

GOVERNMENT COLLEGE UNIVERSITY FAISALABAD.

PERCENTAGE / ITEM RATE TENDER AND CONTRACT FOR WORKS

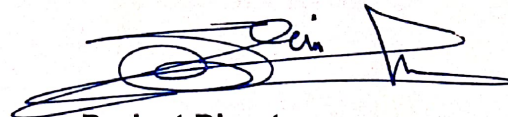
Name of work: CONSTRUCTION OF 12-NOS THREE BED APARTMENTS CATEGORY
"C" AT NEW CAMPUS GOVERNMENT COLLEGE UNIVERSITY
FAISALABAD.

Estimated Cost: Rs. 102.718 (M)

(Both in figures and words)

(Rupees one hundred two point seven hundred eighteen million only)

1. Time for completion: - 09-Month
2. Amount of earnest money = 2% of the Estimated Cost
3. Date of Collection of Tender Documents from: 2021
4. Date of Submission of Bids: 2021
5. Date of Opening of Bids: 2021
6. At Par / Above / Below: _____
(Total Tendered amount, to be filled in by the Tender)
7. Issued to: M/S _____
(Name of the contractor)
8. On payment of Rs. 10000/- Rupees ten thousand only. (Tender Fee).



Project Director
GC University Faisalabad.

CP



BILL OF QUANTITIES

B.O.Q FOR CONSTRUCTION OF 12-NOS THREE BED APARTMENT CATEGORY "C" AT NEW
CAMPUS GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD.

(A) BASED ON MRS 1ST JAN 2021 TO 30TH JUNE 2021

Sr. No		Amount MRS Item (Rs.)	Premium (%) (Above / Below)	Total Amount in Rs.
1.	Civil / Plumbing / Electrical work.	58,998,190.000		

(B) NON-MRS ITEMS.

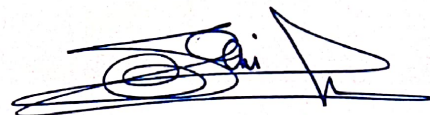
Sr. No		Total Amount in Rs.
1.	Civil / Plumbing / Electrical work.	

Total Project Cost = (A + B)

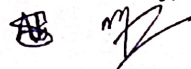
Rs. _____

Name of Firm / Bidder _____

Signature of Contractor
with Stamp



Project Director
GC University, Faisalabad



**B.O.Q FOR CONSTRUCTION OF 12-NOS THREE BED APARTMENT CATEGORY "C" AT NEW CAMPUS
GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD.**

BILL OF QUANTITIES

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	MRS Chepter # & Sr. # of 1st Bi Annual 2021.
	(A)		Main Building				
	1		(MRS ITEMS).				
	i.		Civil WORK (MRS ITEMS).				
1			Earthwork (Excavation)				
1.1	33594.5	Cft	Excavation in foundation of building, Bridge and other than structure i/c deg billing, dressing, refilling lead upto 100' and lift 5' complete in all respect	%Cft	7687.15	258,246	03 /21 b
1.2	22396.33	Cft	filling with surplus earth from foundation i/c compaction.	%Cft	3685.45	82,541	03 / 15 i
1.3	33676.85	Sft	Spray anti termite liquid mixed in the ratio of 1:40 (two sprays).	% Sft.	484.20	163,063	26 / 42
1.4	2704.52	Cft	filling with sand under floor i/c compaction.	% Cft.	2223.15	60,126	07 / 30
2			CONCRETE WORK				
2.1	5121.0638	Cft	P/L plain cement concrete i/c placing compacting, finishing and curing of brick or stone ballasts 1.5" to 2" gauge 1:4:8 ratio complete in all respect	% Cft.	14298.60	732,240	06 / 3 b
2.2	4896.51	Cft	P/L plain cement concrete i/c placing compacting, finishing and curing screening and washing of stone aggregates 1:2:4 ratio complete in all respect .	% Cft.	23030.55	1,127,693	06 / 5 f
2.3	7180.22	Cft	Providing, laying, watering and ramming brick ballast 1½"to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	% Cft.	5314.30	381,579	10 / 3
2.4	4594.22	cft	P/L reinforce cement concrete 1:2:4 i/c concrete using course sand and washed aggregates in required shape and design, i/c forms moulded, shuttering, lifting compacting curing rendering, finishing surface in rafts foundation, complete in all respects .	Per Cft.	277.60	1,275,356	06 / a ii 3

**B.O.Q FOR CONSTRUCTION OF 12-NOS THREE BED APARTMENT CATEGORY "C" AT NEW CAMPUS
GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD.**

BILL OF QUANTITIES

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	MRS Chepter # & Sr. # of 1st Bi Annual 2021.
2.5			Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):-(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid insitu or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
a	1196.0	Cft	(a) Type B (nominal mix 1: 1½: 3)	Per Cft.	413.35	494,346	06 / 6a i 2
b	18694.72	Cft	(b) Type C (nominal mix 1: 2: 4)	Cft.	384.25	7,183,447	06 / 6a i 3
2.6	5771.84	Cft	Add extra labour for R.C. concrete in 2nd and subsequent storeys.(First Floor)	Per Cft.	27.30	157,571	06 / 6 d
2.7	5771.84	Cft	Add extra labour for R.C. concrete in 2nd and subsequent storeys.(Second Floor)	Per Cft.	54.60	315,142	06 / 6 d
2.8	1379.22	Cft	Add extra labour for R.C. concrete in 2nd and subsequent storeys.(third Floor)	Per Cft.	81.90	112,958	06 / 6 d
2.9			Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) deformed bars.				
a	68989	Kg	Grad 60	% Kg	16463.9	11,358,238	06 / 9 c
b	5999.02	Kg	Grad 40	% Kg	15944.2	956,496	06 / 9 b
2.10	2244	Sft	P/L damp proof course of cement concrete 3" thick 1:2:4 ratio 2 coats of Bitumen and 1 coat of polythene sheet 500 gauge complete in all respect	% Sft.	7204.35	161,666	06 / 33-b-iii
2.11	2010	Sft	Providing and laying vertical damp proof course with cement sand plaster 1:3 ratio 3/4" thick and bitumen coating.(a) with one coat of bitumen and one coat of polythene sheet 500 gauge.	% Sft.	3814.95	76,680	06 / 35-a-ii-b
2.12	2958	Sft	Providing and fixing ornamental cement jali 2" (50 mm) thick (1: 2: 4), without steel.	Per Sft.	67.10	198,482	06 / 12

**B.O.Q FOR CONSTRUCTION OF 12-NOS THREE BED APARTMENT CATEGORY "C" AT NEW CAMPUS
GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD.**

BILL OF QUANTITIES

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	MRS Chepter # & Sr. # of 1st Bi Annual 2021.
2.13	25807.80	Cft	Carriage of 100 Cft of all material like stone aggregate . Spawl kankar lime surkhi etc or 150 Cft of timber by truck or by any other means owned by the contracor.lead up to 79 Km.	% Cft.	2790.55	720,179	01 / 01
3			BRICK WORK				
3.1	16913.06	Cft	Pacca brick work in foundation and plinth in cement, sand mortar:-Ratio 1:6.	% Cft.	23479.10	3,971,035	07 / 4 i
3.2	43780.50	Cft	Pacca brick work in ground floor:-i) cement, sand mortar:-Ratio 1:5.	% Cft.	25036.15	10,960,952	07 / 5 i
3.3	410.40	Cft	Pacca brick work in ground floor:-i) cement, sand mortar:-Ratio 1:3.	% Cft.	26284.15	107,870	07 / 5 i
3.4	2864.06	Cft	Pacca brick work in Other than building in cement, sand mortar:-Ratio 1:6.	% Cft.	23867.10	683,569	07 / 7 i
3.5	14470.05	Cft	Add extra labour for Brick work in 2nd and subsequent storeys.(First Floor)	% Cft.	960.45	138,978	07 / 6 i
3.6	14470.05	Cft	Add extra labour for Brick Work in 2nd and subsequent storeys.(2nd Floor)	% Cft.	2153.70	311,641	07 / 6 ii
3.7	1568.25	Cft	Add extra labour for Brick Work in 2nd and subsequent storeys.(third Floor)	% Cft.	3347.00	52,489	07 / 6 iii
4			PLASTER WORK				
4.1	76990.00	Sft	¾" thick c/plaster 1:4 ratio on wall, on new surface complete in all respect	% Sft.	2875.00	2,213,463	11 / 9 c
4.2	34185.50	Sft	¾" thick cement plaster 1:3 under sofit of R.C.C slab on new surface complete in all respect	% Sft.	2455.05	839,271	11 / 10 b
4.3	30440.00	Sft	1/2" thick cement plaster 1:3 on outer surface on new surface up to 20' heigh complete in all respect	% Sft.	2158.10	656,926	11 / 9 b
4.4	15000.00	Sft	Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof.	% Sft.	293.65	44,048	11 / 28
5			FLOORING				
5.1	750.00	Sft	P/L 1½" thick mosaic flooring, consisting of ½" thick mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips laid over 1" thick floor of 1:2:4 cement concrete i/c rubbing and polishing finishing, complete in all respect.(b) using Grey cement	% Sft.	12079.55	90,597	10 / 22 a
5.2	3335.00	Sft	P/L mosaic dado or skirting 3/8" thick with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips laid over ½" thick cement plaster 1:3 i/c rubbing and polishing finishing complete in all respect(using Grey Cement).	% Sft.	12251.75	408,596	10 / 39 a i

**B.O.Q FOR CONSTRUCTION OF 12-NOS THREE BED APARTMENT CATEGORY "C" AT NEW CAMPUS
GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD.**

BILL OF QUANTITIES

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	MRS Chepter # & Sr. # of 1st Bi Annual 2021.
5.3	660.00	Rft	P/F marble patti of any shade & design size $\frac{3}{8}$ " x $1\frac{1}{2}$ " for dividing floor into panels	Per Rft.	9.25	6,105	10 / 42 a
5.4	3250.00	Sft	P/L dado of approved Coloured Glazed tiles $\frac{1}{4}$ " thick laid over $\frac{3}{4}$ " thick c/s plaster 1:3 ratio and grouting with white cement and pigment complete in all respects.(Master Premium Grade)	% Sft.	18661.75	606,507	10 / 38
5.5	2600.00	Sft	Providing and laying conglomerate flooring (two coat work) with top layer of $\frac{1}{2}$ "(13mm) thick wearing surface, consisting of one part of cement and 2 parts of stone chips passing $\frac{3}{16}$ "(6 mm) sieve, over bottom layer of cement concrete 1:3:6, including surface finishing and dividing in panels:-2" thick	% Sft.	5994.45	155,856	10 / 16 c
6			ROOFING WORK				
6.1	9724.00	Sft	P/L single layer of tiles size 9"x4 $\frac{1}{2}$ "x1 $\frac{1}{2}$ " laid over 4" earth and 1" mud plaster with out Bhoosa grouted with cement sand 1:3 on top of R.C.C roof slab using 34 Lbs per % Sft. or 1.72 Kg per sq. meter bitumen coating sand blinded i/c polythene sheet 500 gauge complete in all respect	%Sft.	8168.25	794,281	09 / 05+26 / 37 ii
6.2	5	Nos.	Top khurras on roof size 2'x2'x4" of 1:2:4 PCC as per specification	Each	560.90	2,805	09 / 15
7			CARPENTRY JOINERY, IRON WORK				
7.1	588.00	Sft	First class deodar wood wrought joinery work in wire gauze doors and windows, with 22 SWG G.I. wire gauze 12x12 meshes per square inches (5x5 per cm including Iron fitting . deodar wood framing 1 $\frac{1}{4}$ " (45 mm) thick with wire gauze fixed in position: with springs or spring hinges.	Per Sft.	614.30	361,208	12 / 12 a ii
7.2	3380.00	Sft	P/F aluminum window of all types anodized bronze colour partly fixed and partly sliding using deluxe sections of M/s.Al cop Having frame size of 100x20mm 4"x $\frac{3}{4}$ " and leaf frame section 50x20mm (2"x $\frac{3}{4}$ ") all of 1.6mm thickness Glazed with 5mm thick imported tinted glass with rubber gasket using approved standard catcher hardware etc. as approved by the Engineer In-charge. 1.6 mm thick	Per Sft.	692.50	2,340,650	25 / 53 a

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GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD.**

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Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	MRS Chapter # & Sr. # of 1st Bi Annual 2021.
7.3	8022.00	Sft	Providing and Fixing of wooden architrave deodar wood make all around the door side 3" x 1" tapered as per instructions of engineer incharge.	Per Sft.	49.60	397,891	12 / 58 b
8			PAINT WORK				
8.1	111175.50	Sft	Emulsion paint 3 coats on walls and ceiling as per specification	% Sft.	2050.90	2,280,098	13 / 31 a+ b+b
8.2	3015	Sft	Enamel paint 3 coats on doors as per specification	% Sft.	1750.60	52,781	13 / 05 c i+ cii+cii
8.3	4500.00	Sft	Preparing surface and paint with weather sheild paint 2 coats on new surface as per specification	% Sft.	2918.25	131,321	13 / 32 A a i+ii
	Total FOR CIVIL WORK(MRS ITEMS) =					53,424,984	
	ii.		<u>Public Health (MRS ITEMS).</u>				
1			Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves.as per specification (iii) Heavy Quality				
a	1425	Rft	1.5"	Per Rft.	364.20	518,985	23 / 22 iii e
b	850.02	Rft	3/4"	Per Rft.	159.2	135,323	23 / 22 iii b
			Total For Public Health Work (MRS ITEMS)			654,308	
			<u>External Services</u>				
	i.		<u>Sewerage System</u>				
			<u>a. MRS Items</u>				
1.1	12187.5		Earthwork excavation of trenches in open cutting for sewers and manhole chambers, etc. as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:-i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth	Per %Cft	6370.75	77,644	03 / 42 i
1.2	618.75		Providing, laying, watering and ramming brick ballast 1½"to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	Per %Cft	5314.30	32,882	10 / 3

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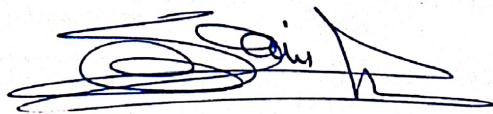
BILL OF QUANTITIES

Sr. No.	Quantity	Description of Works	Unit	Rate	Amount	MRS Chepter # & Sr. # of 1st Bi Annual 2021.
1.3	675	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc including cost of reinforcement, conforming to B.S. 5911 Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete iii) 225 mm (9") i/d	Per Rft.	391.70	264,398	21 / 1 iii
3	12187.5	Rehandling of earthwork:a) Lead upto a single throw of Kassi, phaorah or shovel complete in all respect.	Per %Cft	1818.95	22,168	03 /13 a
		Total For MRS Items a =			397,092	
		<u>External Services</u>				
	ii.	<u>Water Supply System</u>				
		<u>a.MRS Items</u>				
2.1	2000	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides,levelling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	%Cft	5472.70	10,945	03 / .44
2.2	2000	Rehandling of earthwork:a) Lead upto a single throw of Kassi, phaorah or shovel complete in all respect.	%Cft	1818.95	3,638	03 /13 a
		Total For MRS Items a =			14,583	
		<u>External Services</u>				
	iii.	<u>Approach Road & Car Parking</u>				
1		<u>Earthwork (Excavation)</u>				
1.1		Earthwork in ordinary soil for embankments lead upt 7 Km, including ploughing and mixing with blade grade or disc harrow or other suitable equipment, and compaction by mechanical means at optimum moisture content and dressing to designed section,				
	50,240	Cft i) 95% to 100% maximum modified AASHO dry density	%Cft	11375.50	571,505	03 / 15 ii +17
2		<u>Road & Road Structure</u>				
2.1	1,796	Cft a) Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing,spreading and compaction of sub-base material to required depth, camber, grade to achieve 100 % maximum modified AASHO dry density, including carriage of all material to site of work .ii) Crushed stone aggregate.	% Cft.	4412.05	79,218	18 / 03 a ii

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BILL OF QUANTITIES

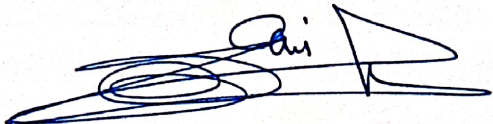
Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	MRS Chepter # & Sr. # of 1st Bi Annual 2021.
2.2	1,796	Cft	Providing and laying base course of crushed stone aggregate of approved quality and grade, and supply and spreading of stone screening, including placing, mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density, including carriage of all materials to site	% Cft.	6647.65	119,359	18 / 04 a
2.3	3,591	Sft	Providing and laying bituminous priming coat, using 10 lbs. kerosene oil and 10 lbs. binder per 100 Sft. or 0.5 Kg kerosene and 0.5 Kg binder per square metre.	% Sft.	964.95	34,651	18 / 06
2.4	3,591	Sft	P/L plant premixed bitumen carpet 2" thick i/c compaction and finishing to required, camber, grade and density 4.5% bitumen complete in all respects.	% Sft.	7450.30	267,540	18 / 10 iv
2.5	5,045	Cft	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. Lead up to 79 Km.	% Cft.	2790.55	140,796	01 / .01
2			CONCRETE WORK				
2.1	59.40	Cft	P/L plain cement concrete i/c placing compacting, finishing and curing screening and washing of stone aggregates 1:2:4 ratio complete in all respect.	% Cft.	23030.55	13,680	06 / 5 f
4			FLOORING				
4.1	7080.00	Sft	Providing and laying Tuff Pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope. Complete in all respect. (85% Grey+15% Coloured) 60-mm thick	Per Sft.	110.25	780,570	10 / 43 b
			Total For MRS Items a =				2,007,319


Project Director
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**B.O.Q FOR CONSTRUCTION OF 12-NOS THREE BED APARTMENT CATEGORY "C" AT
NEW CAMPUS GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD.**

BILL OF QUANTITIES

S.#	Descriptions	Quantity	Unit	Rate	Amount	MRS Chepter # & Sr. # of 1st Bi Annual 2021.
	ELECTRICAL WORKS (MRS ITEMS)					
1	S/E of PVC pipe for wiring recessed in walls, i/c inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc complete with all specials.					
a.	20 mm ²	7400	/Rft	51.40	380,360	Ch. # 24/Item # 3-ii
b.	25 mm ²	8600	/Rft	59.75	513,850	Ch. # 24/Item # 3-iii
c.	40 mm ²	285	/Rft	93.15	26,548	Ch. # 24/Item # 3-v
d.	50 mm ²	1000	/Rft	113.15	113,150	Ch. # 24/Item # 3-vi
e.	100 mm ²	350	/Rft	177.55	62,143	Ch. # 24/Item # 6-iii
2	S/E of single core PVC insulated copper conductor cables, inprelaid PVC pipe G.I wire/Tranches (rate for cable only).				-	
a.	3/0.029"	16500	/Rft	12.30	202,950	Ch. # 24/Item # 11-i
b.	7/0.029"	15350	/Rft	19.60	300,860	Ch. # 24/Item # 11-iii
c.	7/0.044"	5500	/Rft	37.45	205,975	Ch. # 24/Item # 11-v
d.	7/0.064"	1450	/Rft	79.50	115,275	Ch. # 24/Item # 12-i
e.	7/0.064 (4 core)	1400	/Rft	272.80	381,920	Ch. # 24/Item # 13-c vi
3	S/E of holder bakelite large size.	58	Each	32.25	1,871	Ch. # 24/Item # 39-i
4	Bonding to earth with wire on surface i/c cost of wire 16 SWG copper wire.	10000	/Rft	13.65	136,500	Ch. # 24/Item # 70-b i
	Total For Internal Electric Work (MRS ITEMS).				2,441,401	


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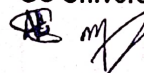
BILL OF QUANTITIES

External Electric Work

S.#	DESCRIPTION	UNIT	Qty	RATE	AMOUNT
1	S/E of PVC pipe for wiring recessed in walls, i/c inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc complete with all specials.50mm dia	Per Rft	350.00	113.15	39603
2	Exacvation of ordinary soil i/c back filling complete job	Cft	3500.00	5.40	18900
	Total For External Electric Work (MRS ITEMS).				58503



**Project Director
GC University, Faisalabad**



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GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD.**

BILL OF QUANTITIES

NON-MRS ITEMS

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	Non-Schedule Items
			Main Building				
			CIVIL WORK(Non MRS ITEMS).				
1	46185.167	Cft	Supply/ filling of Ghassu filling brought from out side i/c compaction.	Per Cft.			N.S
2	3822	Sft	P/F M.S sheet chowkat 5" wide of 16 SWG i/c painting 3 coats as per specification and as directed by the Engineer In-charge	Per Sft.			"
3	3822.00	Sft	Providing & Fixing Pre-polished Aysh wood Ply 5mm thick panelled door as per drawing design ,Holdfasts.Ball Baring brass Hinges tower bolts door stopers, etc complete including three coats of wood sealar (ICI) and laque polish in approved color complete in all respects	Per Sft.			"
4	24538.80	Sft	P/F pre polished Full Body Grade 1 porcelain tiles 16"x16"x1/4"(Master approved quality) over c/sand mortar 1:2 ratio complete in all respects	Per Sft.			"
5	2453.88	Sft	P/F pre polished Full body Grade 1 porcelain tiles 16"x5"x1/4" (Master approved quality) skirting over c/sand mortar 1:2 ratio complete in all respects	Per Sft.			
6			P/F pre polished Marble Slab (Chinaverona Perlino type approved quality) over c/sand mortar 1:2 ratio including cutting,polishing and making nose with grinding complete in all respects				
a	708	Sft	3/4" thick threads of stair/entrance steps	Per Sft.			"
b	336	Sft	1/2" thick on Risers of stair/entrance steps	Per Sft.			"
c	1092.5	Sft	3/4" thick sills of windows(Badil)	Per Sft.			"
7	900	Sft	Providing and Fixing of Prepolished Mable Slab top 2' wide with golla Granite Chery Brown,Chemel Brown,Chery pink approved quality Marble over 3/4" c/s mortar i/c as per instructions of engineer incharge.	Per Sft.			"

**B.O.Q FOR CONSTRUCTION OF 12-NOS THREE BED APARTMENT CATEGORY "C" AT NEW CAMPUS
GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD.**

BILL OF QUANTITIES

NON-MRS ITEMS

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	Non-Schedule Items
8	3835	Sft	Making and fixing grill in opening i/c fixing site with M.S pipe frame 1"x1"x16 SWG welded with 1/2" M.S square bars at 5" (100 mm) centre to centre mesh i/c enamel paint three coats complete in all respect as per specification, design, drawings and as directed by the Engineer.	Per Sft.			"
9	261	Rft	Providing and fixing stair railing height 2.75 feet consisting of 2" dia Stanless steel pipe of 16 SWG one member horizontal and 3' c/c vertical fixed with rawel bolts over RCC steps and 3 nos 3/4" dia 16 swg horizontal pipes fixed with s.s bolts.also i/c s.s base plats, caps,bends,corners,and other necessary hardwares Complete in all respect as per specification, design, drawings and as directed by the Engineer.	Per Rft.			"
10	2268.00	Sft	Providing & Laying floor of approved colored porcelain matt tile minimum size 12"x26" and thickness 1/4" thick (Master Grade -1) laid in white cement & pigment on a bed of 3/4" thick cement mortar 1:2 complete in all respect	Per Sft.			"
11	11497.50	Sft	Providing & Laying dado of approved colored porcelain glazed tile minimum size 12"x 26"and thickness 1/4" thick (Master Grade -1) laid in white cement & pigment over 3/4" thick cement sand plaster ratio 1:2 complete in all respect	Per Sft.			"
12	600.00	Sft	Providing and fixing shutter 1"thick solid kail wood leaves of kitchen shelves with 3/4" thick Lasani vin board fixed with deadar wood frame size 2"x1" with full hinges,catchers,c.p handles i/c laquer polish complet in all respect.	Per Sft.			"
13	600.00	Sft	Providing / fixing Kitchen wall mounted cabinet 1 feet deep comprising of 1" thick Kail wood shutter with 3/4" thick Lasani vin board and 3/4" thick laminated sheet fortile or equvelant box with 2mm thick laminated sheet back i/c brass full hinges,catchers,c.p handles also i/c laquer polish complet in all respect.	Per Sft.			"

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GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD.**

BILL OF QUANTITIES

NON-MRS ITEMS

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	Non-Schedule Items
14	144	Nos.	P/F approved quality Handle lock imported quality.(Khas China make base price 1500)	Each			"
15	12	Nos.	P/F approved quality Handle lock for main door imported quality.(Itly make base price 2800)	Each			"
16	144	Nos.	Providing and fixing sliding bolt/Tower Bolt brass 12" long approved quality .	each			"
17	12	Nos.	Providing and fixing Tower Bolt brass 18" long approved quality .	each			"
18	304	Rft	P/F PVC rain water down pipe 4" dia Type "A" Popular/Pipe plus complete in all respects.	Per Rft.			"
19	12	Nos.	P/F PVC Shoe,Bend of rain water down pipe 4" dia Popular/Pipe plus complete in all respects.	Each			"
20	144.00	Nos.	Providing and fixing door Stopper approved quality .	Each			"
21	2520.00	Sft	Providing and fixng room almirah consiting of Sliding aluminum partation with frosted glass 5mm thick i/c all C.P. fittings,locking arrangments,lashes,rubber,also i/c Brick work in 1:4 c/s mortor & RCC (1:2:4) shelves 1½" (40 mm) thick including plastering and 3 coats of painting and complete as per drawing design and	Per Sft.			"
22	14100.00	Sft	Providing and applying graffito to outer plastered surfaces with approved quality and colour including preparing the base by rubbing with sand paper and carborandum stone, filling depressions with putty, applying primer etc., as per drawings and specifications and as directed by the Engineer.	Per Sft.			
23	11500.00	Sft	Providing and Fixing First class burnt Face Bricks with butterflies @ 2' c/c size (9" x 2.¼" x 2.¼") laid in (1: 2) cement sand mortor with red oxide including filling,curing and scaffolding for any height and designing of Bricks complete in all respects as per design and drawings.	Per Sft.			

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BILL OF QUANTITIES

NON-MRS ITEMS

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	Non-Schedule Items
24	28.00	Sft	Providing and fixing paneled door of M.S angle 1.25" x1.5# frame and braceings welded with M.S sheet 16 SWG fitted in M. S angle iron chowkhat 1.5" x 1.5# with patti 2" x 1.5# i/c three coats of enamel paint complete in all respects.	Per Sft.			
25	210.00	Rft	Providing and fixing of Emergency stairs consisting of M.S cherquer sheet 10 swg welded with m.s angle iron 2"x2"x2# with M.S sq bar 1/2" x1/2" railing 2.75' height over 1.5" dia m.s pipe 16 Swg i/c three coats of enamel paint master or equivalent complete as per drawing design and instructions of engineer incharge.	Per Rft.			
26	576	Rft	Extra Provision of Labour for Architectural Design at Perefere of Building i/c Steel shuttering,Bamboo and Planks Scaffolding,dry bricks for offsets, plaster 1:8 ratio foam work on bricks complete as per design drawing and instructions of engineer incharge.	Per Rft.			
Total FOR CIVIL WORK (Non MRS ITEMS) =							
Public Health (NON MRS ITEMS).							
1	36	Nos.	Providing and fixing Indian (Orissa) type water closet of approved color with UPvc S or P trap best quality local make Master,I.C.L. I.F.O with low level flushing cistern, including all fittings and accessories MASTER waste and trap, PVC flexible pipe connection, tee stop cock with wall cups, , all joints to services and drains, plugging and screwing as necessary to the structure and making good the same complete in all respects. as per specification, design, drawings and as directed/approved by the Engineer.	each			N.S

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GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD.**

BILL OF QUANTITIES

NON-MRS ITEMS

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	Non-Schedule Items
2	24	Nos.	Providing and fixing European type water closet of approved color with UPvc intergal trapbest quality local make Master,Coupal set one peice as approved by the Engineer Incharge complete in all respects to their entire satisfaction with coupled flushing cistern, including all accessories and fittings MASTER as approved, waste and trap, double seat and cover, tee stop cock with wall cups, PVC flexible pipe connection, all joints to services and drains, plugging and screwing as necessary to the structure and making goof the same complete in all respects	each			"
3	162	Sft	Providing and fixing beveled edge mirror with frame of 18"X36" size of Belgium glass or Itlay as approved by the Engineer Incharge complete in all respects to their entire satisfaction complete with 3 mm thick lasani board backing, fixed to walls etc. complete in all respects.	Per Sft.			"
4	48	Nos.	P/F Vanity PORTA make i/c botal trap s.steel or equivalent also i/c cutting as per desired shape & size for vanity & hole for mixer and making gloa,rubbing polishing, complete in all respect..	each			
5	12	Nos.	P/F stainless steel bowl made Atlas/Rashid size 16"x20" complete in all	each			
6	48	Nos.	Providing and fixing Single Lever Drizal Bath Set Sonex as approved by the Engineer Incharge.	each			
7	48	Nos.	Providing, fixing and testing of StainLess Steel heavy duty ball valve 3/4" dia.	each			
8	12	Nos.	Providing, fixing and testing of StainLess Steel Sink Mixer Economy Class.Sonex	each			
9	48	Nos.	Providing, fixing and testing of C.P Bath Accessories Set of Porta make or Equivalent including Soap dish Code # KMB53,Towel Rod Code # KMB 11-600mm,Toilet Paper Holder Code # KMB 70,Towel Ring,Glass Holder Code # KMB 41,Double Coat Hook Code # KMB 32 as approved by the Engineer Incharge complete in all respects to their entire satisfaction including all accessories and jointing material complete in all respects.	each			

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BILL OF QUANTITIES

NON-MRS ITEMS

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	Non-Schedule Items
10			Providing, laying, fixing, testing (at 90 psi) and disinfecting, polypropylene pipelines for cold and hot water supply inside toilets as per DIN or equivalent BS specification popular/pipeplus/bbj make PN-20 as approved by the Engineer Incharge complete in all respects to their entire satisfaction, including specials such as tee, cross, reducer, bend, union, elbow, plug, socket etc., supported on walls or suspended from slab or run in chases (chased in walls shall be made by using electric cutter) including supports, cutting and making good the same as necessary to the structure complete in all respects.				"
a	3600	Rft	i) 25mm o/d	Per Rft			"
b	4080	Rft	ii) 32mm o/d	Per Rft			"
c	275	Rft	iii) 40mm o/d	Per Rft			"
11			Providing, laying, fixing and testing uPVC soil, waste, vent as per BSS 4514 & 5255 or equivalent BS specifications including uPVC fittings with solvent cement jointing or rubber ring joints Popular/pipeplus make type B as approved by the Engineer Incharge complete in all respects, including, clamps, bends, tees, Y-tees, cowls, reducers, clean out etc., embedded in floors and walls, clamped to walls, suspended from slab, making requisite no. of holes and making good the same complete in all respects.				
a	2880	Rft	i) 3" i/d	Per Rft			"
b	2640	Rft	ii) 4" i/d	Per Rft			"
12	144	Nos.	Providing, laying, fixing and testing floor drain water uPVC P trap 3" dia including extension grating and stainless steel cover grating best quality local make Dadex or Beta as approved Engineer Incharge complete in all respects to their entire satisfaction.	Each			"

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GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD.**

BILL OF QUANTITIES

NON-MRS ITEMS

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	Non-Schedule Items
13	12	Nos.	Providing and fixing Electric geyser Ambassador, Cannon or equivalent of 19 gallon capacity.	Each			"
14	12	Nos.	Providing and Fixing Hobe plate Fortile or equivalent complete in all respects. Five burners	Each			"
15	4	Nos.	P/F 1-1/2" dia gate valve made Faisal complete.	Each			"
16	4	Nos.	P/F 1-1/2" dia No return valve made Roma complete.	Each			"
17	4	Nos.	P/F 1-1/2" dia foot valve made Faisal complete.	Each			"
18	36	Nos.	P/F 1" dia handle valve made Faisal.	Each			"
19	12	Nos.	P/F 1" dia Safty valve made KITZ.	Each			"
20	1	No.	P/F Inaugration name plate of stainless steel Size 24"x 36".	Each			"
21	1	No.	P/F stainless steel Monogram (UOF) size 4'x4'.	Each			"
22	15	No.	P/F writing lettering S.S 6" long.	Each			"
23	28	No.	P/F writing lettering faculty apartments S.S 15" Long.	Each			"
24	1	No.	P/F of M.S Sheet 16 Swg with frame 1" x 1" x 1 # angle iron motor shed box size as per requirment of motors and design i/c three coats of enamel paint complete in all respencts	Each			"
Total For Public Health Work (NON MRS ITEMS)							
			<u>External Services</u>				
	i.		<u>Sewerage System</u>				
			<u>Non MRS Items</u>				
1	4	Nos.	Const. of main hole size (3'-0"x3'-0"xup to 5') inside with 4" thick R.C.C cover, i/c excavation, P.C.C (1:6:12) 6" thick, brick work 9" thick in 1:4 C/S inside & outside plaster in 1:4 cement sand mortar, i/c benching & hunching of PCC 1:2:4 3" thick complete as per drawing & design	Each			N.S

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GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD.**

BILL OF QUANTITIES

NON-MRS ITEMS

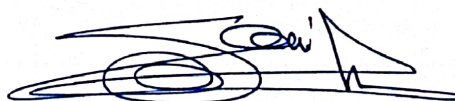
Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	Non-Schedule Items
2	18	Nos.	Const. of Circular main hole size (4' dia x up to 5') inside with 4" thick R.C.C cover, i/c excavation, P.C.C (1:6:12) 6" thick, brick work 9" thick in 1:4 C/S inside & outside plaster in 1:4 cement sand mortar, i.c benching & hunching of PCC 1:2:4 3" thick complete as per drawing & design	Each			N.S
			Total For Non MRS Items =				
			<u>External Services</u>				
			<u>Water Supply System</u>				
			<u>a.MRS Items</u>				
			<u>Non MRS Items</u>				
1	4	Nos.	Providing and Fixing of Plastic make Duraor Super Tuff 1000 gallon Capacity Over Head water tank i/c cover, all G.I fittings and 6" heigh Circular Plate form of brick work in 1:4 c/s mortor over plaster in 1:3 c/s mortor complete as per instructions of engineer incharge Engineer	Each			N.S
2	3	Job	Providing and fixing 2 HP pump for water Supply with minimum 50 ft head (Shahzad Pumps, Glodmatic Made). i/c electric control pannel, electric wire fixed as per drawings i/c Steel fence, complete with all necessary fittings,	Per Job			"
3			Providing, laying, fixing, testing (at 90 psi) and disinfecting, polypropylene pipelines for cold and hot water supply inside toilets as per DIN or equivalent BS specification popular/pipeplus/bbj make PN-20 as approved by the Engineer Incharge complete in all respects to their entire satisfaction, including specials such as tee, cross, reducer, bend, union, elbow, plug, socket etc., supported on walls or suspended from slab or run in chases				
d	200	Rft	iv) 63 mm o/d	Per Rft			N.S
4	1	Each	P/F Gate Volve 1.5" dia Faisal complete in all respects.	Each			"
5	1	Each	Const. of Gate Valve Chamber size (3'-0"x3'-0"xup to 5') inside with 4" thick R.C.C cover, i/c excavation, P.C.C (1:6:12) 6" thick, brick work 9" thick in 1:4 C/S inside & outside plaster in 1:4 cement sand mortar, i.c benching & hunching of PCC 1:2:4 3" thick complete as per drawing & design	Each			"
			Total For Non MRS Items =				

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GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD.**

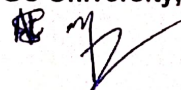
BILL OF QUANTITIES

NON-MRS ITEMS

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	Non-Schedule Items
			<u>External Services</u>				
			<u>Approach Road & Car Parking</u>				
			<u>Non MRS Items</u>				
1	132	Rft	P/L Edging Stone Size 12"x8"x4" of Power Crete, Concrete Concepts, Banu Mukhtar Pvt Ltd Taxila i/c excavation, pcc 1:24 ratio 6" thick for hunching, grouted with cement sand mortar 1:3 ratio complete as per drawing design and as per instructions of engineer incharge.	P.RFT			N.S
2	366	Rft	Painting traffic lane 5" wide with reflective (Thermoplastic)TP paint ICI, Berger as per specification.	P.RFT			"
3	55	Nos.	P/F Cateyes single side plastic body.	Each			"
4	1314	Sft	Const. of Steel car Shed consisting of M.S pipe 3"x3"x 16Swg for vertical members 10' heigh welded with M.S frame 3"x 1.5"x16 Swg over G.I Sheet 22 Swg with necessary over laps also i/c excavation, pcc 1:2:4 size 1.5'x1.5'x1.5', three coats of emanel paint complete as per instructions of engineer incharge. (Measurment taken as straight)	P.SFT			"
			Total For Non MRS Items =				



**Project Director
GC University, Faisalabad**



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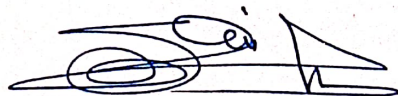
BILL OF QUANTITIES

NON-MRS ITEMS

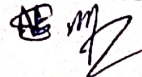
S.#	Descriptions	Quantity	Unit	Rate	Amount	Non-Schedule Items
	ELECTRICAL WORKS (NON MRS ITEMS)					
1.0	SWITCH SOCKET & OUTLET					
1.1	Supply & Installation of switch & socket outlet make CLIPSAL/Legrand with 16-SWG back box with earth point, complete in all respect.					
i)	1 gang switch plate.	17	Each			
ii)	1 gang two way switch plate.	9	Each			
iii)	2 gang switch plate.	32	Each			
iv)	3 gang switch plate.	30	Each			
v)	4 Gang switch plate.	6	Each			
vi)	5 gang switch plate+1 fan dimmer	75	Each			
xi	3 pin 5 Amp switch socket outlet.	270	Each			
xii	3 pin 15 Amp switch socket outlet.	65	Each			
xiii	3 pin 5 Amp universal socket outlet.	312	Each			
xiv	bell push switch plate	22	Each			
2	supply and direction of call bell 220 volt as per sample	18	Each			
3	S/installation of LED light panel with driver reflector metal casing and fixing arrangement having 0.95/PF etc complete , including 1.5 mm cable for connection from existing points to suitable places.(5' to 8') Made Oppl, (5-8/Watt)					
a.	(5-8/Watt)	175	Each			
b.	(11-14/Watt)	200	Each			
c.	(18-24/Watt)	60	Each			
4	S/installation of LED light fittings(50 Watt) with p.f 0.95 i/c driver reflector casing etc complete Made philips, opple, sunlight, Osaka, Philips, NVC	2	Each			
5	Providing & Installing incandescent lights fittings complete with holders, lamps, fixing and decorative accessories and wiring etc, installed on ceiling, walls or columns, as per approval of the Engineer					
5.1	Decroative ceiling/double wall bracket light with two 23 Watt energy savers Philips.	250	Each			
5.2	Decroative single ceiling/wall bracket light with 23 Watt energy savers Philips.	67	Each			

5.3	chandier	18	Each			
6	S/E of energy saver Philips screw type.					
a.	23/Watt	65	Each			
7	S/E of fan hook box type popular/NBI.	84	Each			
8	S/E ceiling fans A.C capacitor type copper wound Deluxe Model made Royal/Pak Fan/Lahore Fan					
a.	56" sweep	84	Each			
9	S/E of exhaust fan AC capacitor type copper wound i/c shutter Royal/Pak Fan.					
a.	12" size	50	Each			
10	S/E of tube light i/c rod, Electronic choke with frame and flexible wire i/c connection from ceiling rose etc complete Philips/pak lite.as per approved sample.					
a.	TMS 20/W	29	Each			
b.	TMS 40/W	15	Each			
	TELEPHONE SYSTEM					
11	Supply, Installation & Connecting up of Telephone cables 0.6mm solid conductor, polyethylene insulated, 2 insulated conductors twisted together and PVC sheathed of following pairs make PAKISTAN/SIEMENS cable or approval equivalent					
	4 pairs.	2650	Rft			
12	Supply, Installation and Connecting of telephone/TV outlet make LEGRAND/CLIPSAL including cost of 16 SWG M.S. board, derusted, phosphates & electrostatic painted with earth terminal concealed in walls column or as required as per site condition, complete in all respects	60	Each			
12.1	Supply and installation of RJ-7 cable for TV connection	2650	Rft			
12.1	Supply and installation of RJ-11 cable for TV connection	800	Rft			
12.1	Supply and Installation of 16-SWG sheet steel wall mounting hanged door, vermin and duct proof communication box comprising of disconnection module make 3M for 10 pairs telephone	2	Each			
12.4	cable 1-8 TV Splitter	2	Each			
13	S/E Of street light LED Type with fixture and necessary fittings 220 volts 56 watt as per approved sample i/c bracket G.I pipe 2 meter long 30 mm Sq. size 12 gauge etc complete in all respects	8	Each			

14	Earthing supply and installation commissioning and testing of the earthing system i/c cost of flowing excavation and refilling charges of earth pit upto 100 Rft. Depth 1 (one) core copper rod size 1"x10 feet long, two copper conductor 70mm sq. to be drawn up to earth connecting point in G.I pipe 50 mm dia all G.I pipe accessories charcoal and lime mixture to be packed 300mm all around the vertical and horizontal plate, legs, thimbles, brass nuts and bolts const. of inspection.	1	Each			
15	S/E of M.S sheet of 16 SWG for housing circuit breakers i/c cutting, welding, nut and bolts, handle powder coating paints, locking arrangement (18"x24") size + MCCB,TP 63/Amp 1 No 10 KA single pole circuit breaker 15 Nos 6 to 20 Amp etc complete NBI/Bilal Engg/Prime as approved by engineer incharge. and all breakers made legrand france/ABB italy.	14	Each			
16	S/E of metering panel of 14 SWG for housing circuit breaker i/c cutting, painting powder coating and locking arrangement etc complete size 4.5'x6'x1.25' i/c main bus bars 300 Amp and porcelaine insulators i/c main MCCB,TP,36 KA 250/Amp 1 No and sub main brakers 10 KA MCCB,TP 63/Amp 12No and single pole circuit breaker 8 Nos 10-32 Ampere and digital energy meters three phase Creative/PEL with PCS box 12 Nos and 1 No single phase energy meter i/c volt meter 1 No and Amp meter 1 No (Entes) i/c indication light 3 Nos and selector switch 2 Nos and CT,s 300/5 Amp made fico 3 Nos i/c connection fixing etc complete job. All braker made legrand france/ABB Itly and Panel Made NBI/ Bilal Engineering/Prime as approved by engineer incharge .	1	Each			
	Total Non MRS Electrical work (INTERNAL)					



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BILL OF QUANTITIES

NON-MRS ITEMS

S.#	DESCRIPTION	UNIT	Qty	RATE	AMOUNT
2	S/E of single core PVC insulated copper conductor cables, inprelaid PVC pipe G.I wire/Tranches (rate for cable only). Coppergat/ Fast/ Newage 50mm 4 core.	Per Rft	400.00		
	Total Non MRS Electrical work (EXTERNAL)				

