

**GOVERNMENT COLLEGE UNIVERSITY
FAISALABAD.**

PERCENTAGE / ITEM RATE TENDER AND CONTRACT FOR WORKS

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

Estimated Cost: Rs. 81.548 (M)

(Both in figures and words)

(Rupees eighty one point five hundred forty eight 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.

BILL OF QUANTITIES

B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" AT NEW
CAMPUS GOVERNMENT COLLEGE UNIVERSITY FAISALABAD.

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

Sr. No	Description	Amount MRS Item (Rs.)	Premium (%) (Above / Below)	Total Amount in Rs.
1.	Civil / Plumbing / Electrical work.	47,020,859.000		

(B) NON-MRS ITEMS.

Sr. No	Description	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 TWO BED APARTMENTS CATEGORY "CA" AT NEW CAMPUS
GOVERNMENT COLLEGE UNIVERSITY FAISALABAD.**

BILL OF QUANTITIES

Sr. No.	Quantity	Description of Works	Unit	Rate	Amount	MRS 1st Bi Annual 2021. Ch. # & Sr. #
(A)		Main Building				
1		(MRS ITEMS).				
i.		Civil WORK (MRS ITEMS).				
1		Earthwork (Excavation)				
1.1	24984	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	192,056	03 /21 b
1.2	16656	Cft filling with surplus earth from foundation i/c compaction.	%Cft	3685.45	61,385	03 / 15 i
1.3	28668	Sft Spray anti termite liquid mixed in the ratio of 1:40 (two sprays).	% Sft.	484.20	138,809	26 / 42
1.4	6189	Cft filling with sand under floor i/c compaction.	% Cft.	2223.15	137,593	07 / 30
2		CONCRETE WORK				
2.1	4223	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	603,890	06 / 3 b
2.2	4104	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	945,206	06 / 5 f
2.3	5518	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	293,248	10 / 3
2.4	3626	cft P/L reinforce cement concrete 1:2:4 i/c concrete using coarse 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	1,006,560	06 / a ii 3
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 insitu, complete in all respects:-				
a	32	Cft (a) Type B (nominal mix 1: 1½: 3)	Per Cft.	413.35	13,293	06 / 6a i 2

**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" AT NEW CAMPUS
GOVERNMENT COLLEGE UNIVERSITY FAISALABAD.**

BILL OF QUANTITIES

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	MRS 1st Bi Annual 2021. Ch. # & Sr. #
b	14630	Cft	(b) Type C (nominal mix 1: 2: 4)	Cft.	384.25	5,621,419	06 / 6a i 3
2.6	4575	Cft	Add extra labour for R.C. concrete in 2nd and subsequent storeys.(First Floor)	Per Cft.	27.30	124,890	06 / 6 d
2.7	4575	Cft	Add extra labour for R.C. concrete in 2nd and subsequent storeys.(Second Floor)	Per Cft.	54.60	249,780	06 / 6 d
2.8	905	Cft	Add extra labour for R.C. concrete in 2nd and subsequent storeys.(third Floor)	Per Cft.	81.90	74,153	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	53436	Kg	Grad 60	% Kg	16463.9	8,797,629	06 / 9 c
b	4647	Kg	Grad 40	% Kg	15944.2	740,863	06 / 9 b
2.10	1262	Sft	P/L damp proof course of cement concrete 1.5" thick 1:2:4 ratio 2 coats of Bitumen and 1 coat of polythene sheet 500 gauge complete in all respect	% Sft.	7204.35	90,883	06 / 33 a i
2.11	2025	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	77,253	06 / 35 a i b
2.12	2984	Sft	Providing and fixing ornamental cement jali 2" (50 mm) thick (1: 2: 4), without steel.	Per Sft.	67.10	200,226	06 / 10
2.13	19704	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	549,836	01 / 01
3			BRICK WORK				
3.1	13542	Cft	Pacca brick work in foundation and plinth in cement, sand mortar:-Ratio 1:6.	% Cft.	23479.10	3,179,496	07 / 4 i
3.2	34194	Cft	Pacca brick work in ground floor:-i) cement, sand mortar:-Ratio 1:5.	% Cft.	25036.15	8,560,814	07 / 5 i
3.3	715	Cft	Pacca brick work in ground floor:-i) cement, sand mortar:-Ratio 1:3.	% Cft.	26284.15	188,024	07 / 5 i
3.4	1814	Cft	Pacca brick work in Other than building in cement, sand mortar:-Ratio 1:6.	% Cft.	23867.10	432,964	07 / 7 i
3.5	10832	Cft	Add extra labour for Brick work in 2nd and subsequent storeys.(First Floor)	% Cft.	960.45	104,032	07 / 6 i
3.6	10832	Cft	Add extra labour for Brick Work in 2nd and subsequent storeys.(2nd Floor)	% Cft.	2153.70	233,279	07 / 6 ii
3.7	730	Cft	Add extra labour for Brick Work in 2nd and subsequent storeys.(third Floor)	% Cft.	3347.00	24,437	07 / 6 iii

**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" AT NEW CAMPUS
GOVERNMENT COLLEGE UNIVERSITY FAISALABAD.**

BILL OF QUANTITIES

Sr. No.	Quantity	Description of Works	Unit	Rate	Amount	MRS 1st Bi Annual 2021. Ch. # & Sr. #
4		PLASTER WORK				
4.1	65914	Sft ¾" thick c/plaster 1:4 ratio on wall, on new surface complete in all respect	% Sft.	2875.00	1,895,013	11 / 9 c
4.2	17816	Sft ¾" thick cement plaster 1:3 under soffit of R.C.C slab on new surface complete in all respect	"	2455.05	437,392	11 / 10 b
4.3	23500	Sft 1/2" thick cement plaster 1:3 on outer surface on new surface up to 20' height complete in all respect	"	2158.10	507,154	11 / 9 b
4.4	12500	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.	"	293.65	36,706	11 / 28
5		FLOORING				
5.1	600	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	72,477	10 / 22 a
5.2	2988	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	366,082	10 / 39 a i
5.3	504	Rft P/F marble patti of any shade & design size ¾" x 1½" for dividing floor into panels	Per Rft.	9.25	4,662	10 / 42 a
5.4	2500	Sft P/L dado of approved Coloured Glazed tiles ¼" thick laid over ¾" thick c/s plaster 1:3 ratio and grouting with white cement and pigment complete in all respects.(Master Premium Grade)	% Sft.	18661.75	466,544	10 / 38
5.5	2000	Sft Providing and laying conglomerate flooring (two coat work) with top layer of ½"(13mm) thick wearing surface, consisting of one part of cement and 2 parts of stone chips passing 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	119,889	10 / 16 c

**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" AT NEW CAMPUS
GOVERNMENT COLLEGE UNIVERSITY FAISALABAD.**

BILL OF QUANTITIES

Sr. No.	Quantity	Description of Works	Unit	Rate	Amount	MRS 1st Bi Annual 2021. Ch. # & Sr. #
6		ROOFING WORK				
6.1	7600	Sft P/L single layer of tiles size 9"x4½"x1½" 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	620,787	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	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 1¼" (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	2793	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"x¾" and leaf frame section 50x20mm (2"x¾") 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.	Per Sft.	692.50	1,933,979	25 / 53 a
7.3	5208	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	258,317	12 / 58 b
8		PAINT WORK				
8.1	83730	Sft Emulsion paint 3 coats on walls and ceiling as per specification	% Sft.	2050.90	1,717,208	13 / 31 a+ b+b'
8.2	1650	Sft Enamel paint 3 coats on doors as per specification	"	1750.60	28,885	13 / 05 c i+ cii+cii
8.3	3500	Sft Preparing surface and paint with weather sheild paint 2 coats on new surface as per specification	% Sft.	2918.25	102,139	13 / 32 A a i+ii
		Total (A)1 (i) FOR CIVIL WORK(MRS ITEMS) =			41,573,265	
	ii.	Public Health (MRS ITEMS).				
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	1750	Rft 1.5"	Per Rft.	364.20	637,350	23 / 22 iii e

**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" AT NEW CAMPUS
GOVERNMENT COLLEGE UNIVERSITY FAISALABAD.**

BILL OF QUANTITIES

Sr. No.	Quantity	Description of Works	Unit	Rate	Amount	MRS 1st Bi Annual 2021. Ch. # & Sr. #
b	1250	Rft 3/4"	Per Rft.	159.2	199,000	23 / 22 iii b
		Total For Public Health Work A (MRS ITEMS) ii.			836,350	
B		<u>External Services</u>				
	i.	<u>Sewerage System</u>				
		<u>a. MRS Items</u>				
1.1	10969	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	%Cft	6370.75	69,879	03 /42 i
1.2	557	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	29,594	10 / 3
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	10969	Rehandling of earthwork:a) Lead upto a single throw of Kassi, phaorah or shovel complete in all respect.	%Cft	1818.95	19,952	03 /13 a
		Total For MRS Items a =			383,822	
B		<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

**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" AT NEW CAMPUS
GOVERNMENT COLLEGE UNIVERSITY FAISALABAD.**

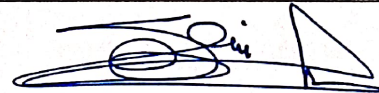
BILL OF QUANTITIES

Sr. No.	Quantity	Description of Works	Unit	Rate	Amount	MRS 1st Bi Annual 2021. Ch. # & Sr. #
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	
B		<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 up to 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, complete in all respects:-				
	50240	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	1796	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
2.2	1796	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 of work except gravel	% Cft.	6647.65	119,359	18 / 04 a
2.3	3591	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	3591	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

**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" AT NEW CAMPUS
GOVERNMENT COLLEGE UNIVERSITY FAISALABAD.**

BILL OF QUANTITIES

Sr. No.	Quantity	Description of Works	Unit	Rate	Amount	MRS 1st Bi Annual 2021. Ch. # & Sr. #
2.5	5045	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	% Cft.	2790.55	140,796	01 / .01
2		CONCRETE WORK				
2.1	59	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	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	



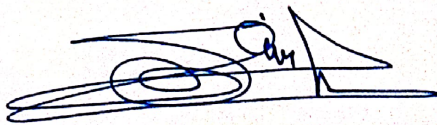
**Project Director
GC University, Faisalabad**




**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" AT
NEW CAMPUS GOVERNMENT COLLEGE UNIVERSITY FAISALABAD.**

BILL OF QUANTITIES

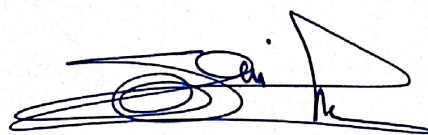
S.#	Descriptions	Quantity	Unit	Rate	Amount	MRS Chapter # & Sr. # of 1st Bi Annual 2021.
(A)	ELECTRICAL WORKS (MRS ITEMS)					
1	S/E of PVC pipe for wiring recessed in walls, i/c inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc complete with all specials.					
a.	20 mm ²	6500	/Rft	51.40	334,100	Ch. # 24/Item # 3-ii
b.	25 mm ²	7500	/Rft	59.75	448,125	Ch. # 24/Item # 3-iii
c.	40 mm ²	250	/Rft	93.15	23,288	Ch. # 24/Item # 3-v
d.	50 mm ²	850	/Rft	113.15	96,178	Ch. # 24/Item # 3-vi
e.	100 mm ²	300	/Rft	177.55	53,265	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"	14500	/Rft	12.30	178,350	Ch. # 24/Item # 11-i
b.	7/0.029"	13500	/Rft	19.60	264,600	Ch. # 24/Item # 11-iii
c.	7/0.044"	4725	/Rft	37.45	176,951	Ch. # 24/Item # 11-v
d.	7/0.064"	1250	/Rft	79.50	99,375	Ch. # 24/Item # 12-i
e.	7/0.064 (4 core)	1250	/Rft	272.80	341,000	Ch. # 24/Item # 13-c-vi
3	S/E of holder bakelite large size.	50	Each	32.25	1,613	Ch. # 24/Item # 39-i
4	Bonding to earth with wire on surface i/c cost of wire 16 SWG copper wire.	8700	/Rft	13.65	118,755	Ch. # 24/Item # 70-b-i
	Total For Internal Electric Work (MRS ITEMS).				2,135,599	


Project Director
GC University, Faisalabad

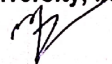
**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" AT NEW CAMPUS
GOVERNMENT COLLEGE UNIVERSITY FAISALABAD.**

BILL OF QUANTITIES

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	400.00	113.15	45260
2	Exacvation of ordinary soil i/c back filling complete job	Cft	4500.00	5.48	24660
	Total For External Electric Work (MRS ITEMS).				69920



**Project Director
GC University, Faisalabad**



**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" 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
		<u>CIVIL WORK(Non MRS ITEMS).</u>				
1	35444	Cft Supply/ filling of Ghassu filling brought from out side i/c compaction.	Per Cft.			N.S
2	2604	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	2604	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 laqure polish in approved color complete in all respects	Per Sft.			"
4	18984	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	1898	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		Sft P/F pre polished Marble Slab (Chinaverona Perlono type approved quality) over c/sand mortar 1:2 ratio including cutting,polishing and making nose with grinding complete in all respects				
a	675	Sft 3/4" thick threads of stair/entrance steps	Per Sft.			"
b	317	Sft 1/2" thick on Risers of stair/entrance steps	Per Sft.			"
c	960	Sft 3/4" thick sills of windows(Badil)	Per Sft.			"
7	702	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 mortor i/c as per instructions of engineer incharge.	Per Sft.			"
8	3416	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.			"

**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" 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
9	106	Rft Providing and fixing stair railing height 2.75 feet consisting of 2" dia Stainless 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	1194	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	7590	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	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	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 equelant 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.			"
14	108	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	108	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			"

**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" 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
18	228	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	108	Nos	Providing and fixing door Stopper approved quality .	Each			"
21	1920	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 instructions of engineer incharge.	Per Sft.			"
22	10354	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	10354	Sft	Providing and Fixing First class burnt Face Bricks with butterflies @ 2' c/c size (9" x 2¼" x 2¼") 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.			
24	28	Sft	Providng 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	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.			

**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" 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
26	415	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) =				
			<u>Public Health (NON MRS ITEMS).</u>				
1	12	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
2	12	Nos	Providing and fixing European type water closet of approved color with UPvc intergal trap best 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	108	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.	Sft			"

**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" 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
4	24	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 respect	each			
6	24	Nos	Providing and fixing Single Lever Drizal Bath Set Sonex as approved by the Engineer Incharge.	each			
7	24	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	24	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			
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	576	Rft	i) 25mm o/d	Per Rft			"
b	2040	Rft	ii) 32mm o/d	Per Rft			"
c	175	Rft	iii) 40mm o/d	Per Rft			"

**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" 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
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	1440	Rft	i) 3" i/d	Per Rft			"
b	1320	Rft	ii) 4" i/d	Per Rft			"
12	72	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			"
13	12	Nos	Providing and Fixing Hobe plate Fortile or equelant complete in all respects. Five burners	Each			"
14	12	Nos	Providing and fixing Electric geyser Ambassador, Cannon or equivalent of 19 gallon capacity.	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			"

**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" 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
24	1	No. P/F of M.S Sheet 16 Swg with frame 1" x1" x 1 # angle iron motor shed box size as per requirement of motors and design i/c three coats of enamel paint complete in all respects	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
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 =				
	B	<u>External Services</u>				
	ii.	<u>Water Supply System</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 In charge	Each			"
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, complete in all respects .	Per Job			"

**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" AT NEW CAMPUS
GOVERNMENT COLLEGE UNIVERSITY FAISALABAD.**

BILL OF QUANTITIES

NON-MRS ITEMS

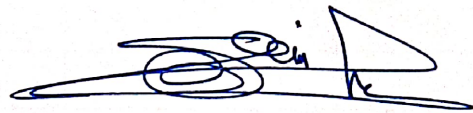
Sr. No.	Quantity	Description of Works	Unit	Rate	Amount	Non-Schedule items
3		Providing, laying, fixing, testing (at 90 psi) and disinfecting, polypropylene pipelines for cold and hot water supply inside toilets as per DIN or equivalent BS specification popular/pipeplus/bbj make PN-20 as approved by the 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 (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				
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 =				
		External Services				
		Approach Road & Car Parking				
		Non MRS Items				
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 1:2:4 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 as specification.	P.Rft			"
3	55	Nos. P/F Cateyes single side plastic body.	Each			"

**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" 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
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 b =				



**Project Director
GC University, Faisalabad**



**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" AT
NEW CAMPUS GOVERNMENT COLLEGE UNIVERSITY FAISALABAD.**

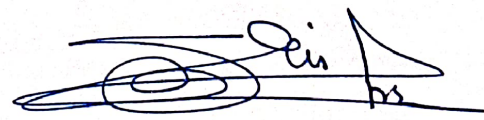
BILL OF QUANTITIES

NON-MRS ITEMS

S.#	Descriptions	Quantity	Unit	Rate	Amount	Non-Schedule Items
(A)	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.	13	Each			
ii)	1 gang two way switch plate.	6	Each			
iii)	2 gang switch plate.	25	Each			
iv)	3 gang switch plate.	25	Each			
v)	4 Gang swith plate.	4	Each			
vi)	5 gang switch plate+1 fan dimmer	63	Each			
xi)	3 pin 5 Amp switch socket outlet.	227	Each			
xii)	3 pin 15 Amp switch socket outlet.	50	Each			
xiv)	bell push switch plate	13	Each			
2	supply and direction of call bell 220 volt as per sample	13	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 Opple,					
a.	(5-8/Watt)	85	Each			
b.	(11-14/Watt)	175	Each			
c.	(18-24/Watt)	45	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.	5	Each			
5.2	Decroative single ceiling/wall bracket light with 23 Watt energy savers Philips.	14	Each			

5.3	chandler	13	Each			
6	S/E of energy saver Philips screw type.					
a.	23/Watt	25	Each			
7	S/E of fan hook box type popular/NBI.	30	Each			
8	S/E ceiling fans A.C capacitor type copper wound Deluxe Model made Royal/Pak Fan/Lahore Fan					
a.	56" sweep	63	Each			
9	S/E of exhaust fan AC capacitor type copper wound i/c shutter Royal/Pak Fan.					
a.	12" size	38	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	25	Each			
b.	TMS 40/W	13	Each			
	TELEPHONE SYSTEM	0				
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.	2100	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	50	Each			
12.1	Supply and installation of RJ-7 cable for TV connection	2100	Rft			
12.2	Supply and installation of RJ-11 cable for TV connection	800	Rft			
12.3	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	13	Each			
15	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 12 No 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)					



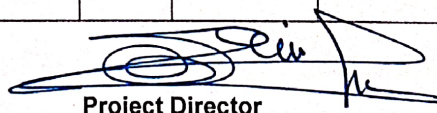
Project Director
GC University, Faisalabad

**B.O.Q FOR CONSTRUCTION OF 12-NOS TWO BED APARTMENTS CATEGORY "CA" AT NEW CAMPUS
GOVERNMENT COLLEGE UNIVERSITY FAISALABAD.**

BILL OF QUANTITIES

NON-MRS ITEMS

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.150mm dia	Per Rft	650		
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 35mm 4 core.	Per Rft	500		
3	P/F of 11 KV 70 mm ² three core XPLE Aluminum conductor cable in exsiting	Meter	215		
4	P/F of heat shrinkable tremination kit for 11 KV 3-core 35 mm ² XPLE copper conductor cable complete job	Each	2		
5	P/F of GI cross arm i/c nut bolt as per Wapda specification	Each	2		
6	P/F of knee braces for GI cross arm i/c nut bolt as per Wapda specification	Each	2		
7	P/F of 11KV pin insulator as per Wapda specification	Each	3		
8	P/F of 11KV pin for GI cross arm as per Wapda specification	Each	3		
9	P/F of alluminium PG double nut bolt as per Wapda specification	Each	12		
10	P/F of earth rod 10 Ft long as per specification	Each	2		
11	P/F of earthing as per MRS specification	Job	1		
12	P/F of 11 KV D- fuse set/drop out cut out set as per WAPDA specification	Each	1		
13	P/F of 200 KVA Three phase stepdown Transformer 11000/440 volt out door type i/c HT, LT connections etc complete Wapda approved PEL, HAMMAD ENGINEERING, or equivalent Wapda approved	Each	1		
14	P/F of foundation pad 2 Ft above ground level for 200 Kva Transformer	Each	1		
	Total Non MRS Electrical work (External)				


Project Director
GC University, Faisalabad