

GOVERNMENT COLLEGE UNIVERSITY FAISALABAD.

PERCENTAGE / ITEM RATE TENDER AND CONTRACT FOR WORKS

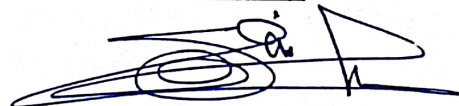
Name of work: CONSTRUCTION OF 06-NOS 10-MARLA EMPLOYEES RESIDENCES
CATEGORY "HB" AT NEW CAMPUS GOVERNMENT COLLEGE
UNIVERSITY FAISALABAD.

Estimated Cost: Rs. 68.366 (M)

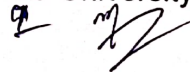
(Both in figures and words)

(Rupees sixty eight point three hundred sixty six 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 06 NOS 10-MARLA EMPLOYEES RESIDENCES CATEGORY
"HB" 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.	6,359,525.000		

(B) NON-MRS ITEMS.

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

Total Project Cost of 01 No. Residence = (A + B)

Rs. _____

Total Project Cost of 06 No. Residences =

Rs. _____

Name of Firm / Bidder _____

Signature of Contractor
with Stamp


Project Director
GC University, Faisalabad


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"HB" 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	3330.57	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	25,603 03 /21 b
1.2	2220.38	Cft	filling with surplus earth from foundation i/c compaction.	%Cft	3685.45	8,183 03 / 15 i
1.3	5599.37	Sft	Spray anti termite liquid mixed in the ratio of 1:40 (two sprays).	% Sft.	484.20	27,112 26 / 42
1.4	564.3	Cft	filling with sand under floor i/c compaction.	% Cft.	2223.15	12,545 07 / 30
2		CONCRETE WORK				
2.1	1090.2458	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	155,890 06 / 3 b
2.2	727.60	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	167,570 06 / 5 f
2.3	620.11	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	32,955 10 / 3

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Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	MRS 1st Bi Annual 2021. Ch. # & Sr. #
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:-				
b	2387.78	Cft	(b) Type C (nominal mix 1: 2: 4)	Per Cft.	384.25	917,503	06 / 6 a i 3
2.6	1092.18	Cft	Add extra labour for R.C. concrete in 2nd and subsequent storeys. (First	Per Cft.	27.30	29,816	06 / 6 d
2.8			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	6977	Kg	Grad 60	% Kg	16463.9	1,148,684	06 / 9 c
b	606.69	Kg	Grad 40	% Kg	15944.2	96,733	06 / 9 b
2.9	362.8575	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	26,142	06 / 33 a i
2.10	600	Sft	Providing and laying vertical damp proof course with cement sand plaster 1:4 ratio 3/4" thick and bitumen coating. (a) with one coat of bitumen and one coat of polythene sheet 500 gauge.	% Sft.	3814.95	22,890	06 / 35 a i b

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Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	MRS 1st Bi Annual 2021. Ch. # & Sr. #
2.12	2741.53	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	76,504	01 / 01
3			BRICK WORK				
3.1	1771.00	Cft	Pacca brick work in foundation and plinth in cement, sand mortar:-Ratio 1:6.	% Cft.	23479.10	415,815	07 / 4 i
3.2	4266.08	Cft	Pacca brick work in ground floor:-i) cement, sand mortar:-Ratio 1:5.	% Cft.	25036.15	1,068,063	07 / 5 i
3.3	65.55	Cft	Pacca brick work in ground floor:-i) cement, sand mortar:-Ratio 1:3.	% Cft.	26284.15	17,229	07 / 5 i
3.4	758.02	Cft	Pacca brick work in Other than building in cement, sand mortar:-Ratio 1:6.	% Cft.	23867.10	180,918	07 / 7 i
3.5	2284.31	Cft	Add extra labour for Brick work in 2nd and subsequent storeys.(First Floor)	% Cft.	960.45	21,940	07 / 6 i
3.6	322.50	Cft	Add extra labour for Brick Work in 2nd and subsequent storeys.(2nd Floor)	% Cft.	2153.70	6,946	07 / 6 ii
4			PLASTER WORK				
4.1	10133.97	Sft	¾" thick c/plaster 1:4 ratio on wall, on new surface complete in all respect	% Sft.	2875.00	291,352	11 / 9 c
4.2	5561.46	Sft	¾" thick cement plaster 1:3 under soffit of R.C.C slab on new surface complete in all respect	"	2455.05	136,537	11 / 10 b
4.3	3141.00	Sft	1/2" thick cement plaster 1:3 on outer surface on new surface up to 20' heigh complete in all respect	"	2158.10	67,786	11 / 9 b
5			FLOORING				"
5.1	138.00	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 Gray cement	% Sft.	12079.55	16,670	10 / 22 a

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Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	MRS 1st Bi Annual 2021. Ch. # & Sr. #
5.2	205.50	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 1/2" thick cement plaster 1:3 i/c rubbing and polishing finishing complete in all respect(using Grey Cement).	% Sft.	12251.75	25,177	10 / 39 a i
5.3	48.00	Rft	P/F marble patti of any shade & design size 3/8" x 1 1/2" for dividing floor into panels	Per Rft.	9.25	444	10 / 42 a
5.5	184.00	Sft	Providing and laying conglomerate flooring (two coat work) with top layer of 1/2"(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	11,030	10 / 16 c
6			ROOFING WORK				
6.1	1110.00	Sft	P/L single layer of tiles size 9"x4 1/2"x1 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 polythene sheet 500 gauge complete in all respect	%Sft.	8168.25	90,668	09 / 05+26 / 37 ii
6.2	3.00	Nos.	Top khurras on roof size 2'x2'x4" of 1:2:4 PCC as per specification	Each	560.90	1,683	09 / 15
7			CARPENTRY JOINERY, IRON WORK				
7.1	501.50	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"x3/4" and leaf frame section 50x20mm (2"x3/4") 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	347,289	25 / 53 a

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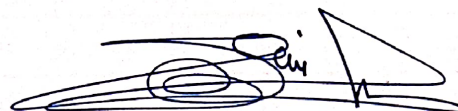
BILL OF QUANTITIES

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	MRS 1st Bi Annual 2021. Ch. # & Sr. #
7.2	637.00	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	31,595	12 / 58 b
8			PAINT WORK				
8.1	15695.43	Sft	Emulsion paint 3 coats on walls and ceiling as per specification	% Sft.	2050.90	321,897	13 / 31 a+ b+b
			Total FOR CIVIL WORK (MRS ITEMS) =				5,801,167
			<u>Public Health (MRS ITEMS).</u>				
1			P/F G-I pipe IILMedum quality as per specification				
a	350	Rft	1.5"	Per Rft.	364.20	127,470	23 / 22 iii e
b	250	Rft	3/4"	Per Rft.	159.2	39,800	23 / 22 iii b
						167,270	
B			<u>External Services</u>				
	i.		<u>Sewerage System</u>				
			<u>MRS Items</u>				
1.1	1625	Cft	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	10,352	03 / 42 i
1.2	82.5	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	P.%CFT	5314.30	4,384	10 / 3
1.3	100	Rft	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	39,170	21 / 1 iii

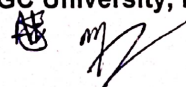
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Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	MRS 1st Bi Annual 2021. Ch. # & Sr. #
3	1625	Cft	Rehandling of earthwork:a) Lead upto a single throw of Kassi, phaorah or shovel complete in all respect.	%Cft	1818.95	2,956	03 /13 a
			Total For MRS Items =			56,863	
			<u>External Services</u>				
			<u>Water Supply System</u>				
			<u>MRS Items</u>				
2.1	1625	Cft	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	8,893	03 / .44
2.2	1625	Cft	Rehandling of earthwork:a) Lead upto a single throw of Kassi, phaorah or shovel complete in all respect.	%Cft	1818.95	2,956	03 /13 a
			Total For MRS Items =			11,849	



**Project Director
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S.#	Descriptions	Quantity	Unit	Rate	Amount	MRS 1st Bi Annual 2021. Ch. # & Sr. #
	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	1250	/Rft	48.40	60,500	24 / 03 ii
b.	25 mm ²	1100	/Rft	56.00	61,600	24 / 03 iii
c.	40 mm ²	100	/Rft	83.15	8,315	24 / 03 v
d.	50 mm ²	120	/Rft	99.45	11,934	24 / 03 vi
e.	100 mm ²	50	/Rft	152.50	7,625	24 / 06 iii
2	S/E of single core PVC insulated copper conductor cables, inprelaid PVC pipe G.I wire/Tranches (rate for cable only).	0			-	
a.	3/0.029	2100	/Rft	12.75	26,775	24 / 10 a i
b.	7/0.029	1850	/Rft	17.00	31,450	24 / 10 a iii
c.	7/0.044	750	/Rft	33.60	25,200	24 / 10 a v
d.	7/0.064	200	/Rft	77.35	15,470	24 / 10 a vi
e.	7/0.064 (4 core)	200	/Rft	272.80	54,560	24 / 13 c vi
3	Supply and erection of bakelite button holder shade, large size.	9	Each	65.35	588	24 / 27
4	Bonding to earth with wire on surface i/c cost of wire 16 SWG copper wire.	1350	/Rft	13.60	18,360	24 / 70 b i
	Total For Electric Work (MRS ITEMS).				322,377	-



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BILL OF QUANTITIES

NON-MRS ITEMS

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	Non-Schedule items
(A)			<u>Main Building</u>				
(B)			<u>CIVIL WORK(Non MRS ITEMS).</u>				
1	7679.62	Cft	Supply/ filling of Ghassu filling brought from out side i/c compaction.	Per Cft.			N.S
2	35	Sft	P/F M.S sheet chowkat 10" wide of 16 SWG i/c painting 3 coats as per specification and as directed by the Engineer In-charge	Per Sft.			"
3	325.5	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.			"
4	679.00	Sft	Providing & Fixing Pre-polished Aysh wood 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.			"
5	2133.05	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.			"
6	168.00	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.			"
7	695.50	Sft	P/F pre polished Full Body Grade 1 porcelain tiles 24"x24"x1/4"(Master approved quality) over c/sand mortar 1:2 ratio complete in all respects	Per Sft.			"
8	104.33	Sft	P/F pre polished Full body Grade 1 porcelain tiles 24"x5"x1/4" (Master approved quality) skirting over c/sand mortar 1:2 ratio complete in all respects	Per Sft.			"
9			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				

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Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	Non-Schedule items
a	294	Sft	3/4" thick threads of stair/entrance steps	Per Sft.			"
b	157.5	Sft	1/2" thick on Risers of stair/entrance steps	Per Sft.			"
c	85	Sft	3/4" thick sills of windows	Per Sft.			"
10	89	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 in charge	Per Sft.			"
11	501.5	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.			"
12	80	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	Per Rft.			"
13	250.13	Sft	Providing & Laying floor of approved colored porcelain matt tile minimum size 12"x26" and thickness 1/4" thick laid in white cement & pigment on a bed of 3/4" thick cement mortar 1:2 complete in all respect	Per Sft.			"
14	1311.25	Sft	Providing & Laying dado of approved colored porcelain glazed tile minimum size 12"x26" and thickness 1/4" thick laid in white cement & pigment over 3/4" thick cement sand plaster ratio 1:2 complete in all respect	Per Sft.			"
15	860.00	Sft	P/F pre polished Marble Size 12"x24"x1/2" (Slkey Black/ Badil approved quality) over c/sand morter 1:2 ratio including cutting,polishing and making nose with grinding complete in all respects	Per Sft.			"

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Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	Non-Schedule items
16	50.00	Sft	Providing and fixing shutter 1" thick solid kail wood leaves of kitchen shelves with 3/4" thick 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.			"
17	50.00	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.			"
18	14	Nos.	P/F approved quality Handle lock imported quality.(Khas China make base price 1500)	Each			"
19	1	Nos.	P/F approved quality Handle lock for main door imported quality.(Itly make base price 2800)	Each			"
20	28	Nos.	Providing and fixing sliding bolt/Tower Bolt brass 12" long approved quality .	each			"
21	1	Nos.	Providing and fixing Tower Bolt brass 18" long approved quality .	each			"
22	72	Rft	P/F PVC rain water down pipe 4" dia Type "A" Popular/Pipe plus complete in all respects.	Per Rft.			"
23	6	Nos.	P/F PVC Shoe,Bend of rain water down pipe 4" dia Popular/Pipe plus complete in all respects.	Each			"
24	28.00	Nos.	Providing and fixing door Stopper approved quality .	Each			"
25	266.80	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	Per Sft.			"

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NON-MRS ITEMS

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	Non-Schedule items
26	3750.00	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.			
27	111.00	Sft	Providing and Fixing of steel Gate consisting of M,S anlje iron fame 1.5"x1.5"x1.5# beam section welded with M.S Sheet 16 Swg Complete as per drawings and specifications and as directed by the Engineer.	Per Sft.			
	Total FOR CIVIL WORK (Non MRS ITEMS) =					-	
	ii.		<u>Public Health (NON MRS ITEMS).</u>				
1	2	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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NON-MRS ITEMS

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	Non-Schedule items
2	3	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	21	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	5	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	1	Nos.	P/F stainless steel bowl made Atlas/Rashid size 16"x20" complete in all respect	each			
6	4	Nos.	Providing and fixing Single Lever Drizal Bath Set Sonex	each			
7	1	Nos.	Providing, fixing and testing of StainLess Steel Sink Mixer Economy Class.Sonex	each			

**B.O.Q FOR CONSTRUCTION OF 06 NOS 10-MARLA EMPLOYEES RESIDENCES CATEGORY
"HB" 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	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			
8			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	375	Rft	i) 25mm o/d	Per Rft			"
b	425	Rft	ii) 32mm o/d	Per Rft			"
c	100	Rft	iii) 40mm o/d	Per Rft			"

B.O.Q FOR CONSTRUCTION OF 06 NOS 10-MARLA EMPLOYEES RESIDENCES CATEGORY
"HB" 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			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	250	Rft	i) 3" i/d	Per Rft			"
b	275	Rft	ii) 4" i/d	Per Rft			"
10	15	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			"
11	1	Nos.	Providing and Fixing Hobe plate Canon or equelant complete in all respects. Five burners	Each			"
12	2	Nos.	P/F 1.5" handle valve made Faisal complete.	Each			"
13	2	Nos.	P/F 1-1/2" dia gate valve made Faisal complete.	Each			"
14	2	Nos.	P/F 1-1/2" dia No return valve made Roma complete.	Each			"
15	1	Nos.	P/F 1-1/2" dia foot valve made Faisal complete.	Each			"
16	1	Nos.	P/F of M.S Sheet 16 Swg with frame 1" x1" 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) =							

B.O.Q FOR CONSTRUCTION OF 06 NOS 10-MARLA EMPLOYEES RESIDENCES CATEGORY "HB" AT NEW CAMPUS GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD.

BILL OF QUANTITIES

NON-MRS ITEMS

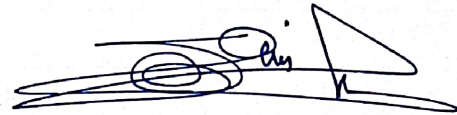
Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	Non-Schedule items
			<u>External Services</u>				
			<u>Sewerage System</u>				
			<u>Non MRS Items</u>				
1	4	Nos.	Const. of main hole size (3'-0"x3'-0"xup to 5') inside with 4" thick R.C.C cover, i/c excavation, P.C.C (1:6:12) 6" thick, brick 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
			Total For Non MRS Items =				
			<u>External Services</u>				
			<u>Water Supply System</u>				
			<u>Non MRS Items</u>				
1	1	Nos.	Providing and Fixing of Plastic make Duraor Super Tuff 500 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 <u>Engineer In charge</u>	Each			"
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				
d	100	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			"

**B.O.Q FOR CONSTRUCTION OF 06 NOS 10-MARLA EMPLOYEES RESIDENCES CATEGORY
"HB" AT NEW CAMPUS GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD.**

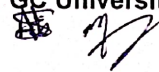
BILL OF QUANTITIES

NON-MRS ITEMS

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	Non-Schedule items
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 =				



**Project Director
GC University, Faisalabad**



B.O.Q FOR CONSTRUCTION OF 06 NOS 10-MARLA EMPLOYEES RESIDENCES
CATEGORY "HB" AT NEW CAMPUS GOVERNMENT COLLEGE UNIVERSITY,
FAISALABAD.

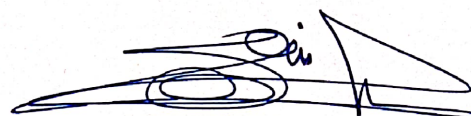
BILL OF QUANTITIES

NON-MRS ITEMS

S.#	Descriptions	Quantity	Unit	Rate	Amount	Non-Schedule Items
	ELECTRICAL WORKS (NON MRS ITEMS)					
1.0	<u>SWITCH SOCKET & OUTLET</u>					
1.1	Supply & Installation of switch & socket outlet make CLIPSAL/Legrand with 16-SWG back box with earth point, complete					
i)	1 gang switch plate.	2	Each			N.S
ii)	1 gang two way switch plate.	1	Each			"
iii)	2 gang switch plate.	3	Each			"
iv)	3 gang switch plate.	3	Each			"
v)	4 Gang switch plate.	2	Each			"
vi)	5 gang switch plate+1 fan dimmer	10	Each			"
xi	3 pin 5 Amp switch double socket outlet.	30	Each			"
xii	3 pin 15 Amp switch socket outlet.	8	Each			"
xiv	bell push switch plate	1	Each			"
2	supply and direction of call bell 220 volt as per sample	1	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 Order Sunlight					
a.	(5-8/Watt)	12.00	Each			"
b.	(11-14/Watt)	25.00	Each			"
c.	(18-24/Watt)	1.00	Each			"
4	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					
4.1	Decorative ceiling/double wall bracket light with two 23 Watt energy savers Philips.	10	Each			"
4.2	Decorative single ceiling/wall bracket light with 23 Watt energy savers	5	Each			"
4.3	chandelier	2	Each			"

5	S/E of energy saver Philips screw type.					
a.	23/Watt	8	Each			"
6	S/E of fan hook box type popular/NBI.	9	Each			"
7	S/E ceiling fans A.C capacitor type copper wound Deluxe Model made Royal/Pak Fan/Lahore Fan					"
a.	56" sweep	9	Each			"
8	S/E of exhaust fan AC capacitor type copper wound i/c shutter Royal/Pak Fan.					
a.	12" size	5	Each			"
9	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	5	Each			"
b.	TMS 40/W	5	Each			"
	TELEPHONE SYSTEM					
10	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.	350	Rft			"
11	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	8	Each			"
11.1	Supply and installation of RJ-11 cable for TV connection	350	Rft			"
11.2	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	1	Each			"
11.3	cable 1-8 TV Splitter	1	Each			"
12	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	1	Each			"

13	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			"
14	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.	1	Each			"
Total Electrical work						



Project Director
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