

Agreement No. _____

KHWAJA FAREED UNIVERSITY OF ENGINEERING & INFORMATION TECHNOLOGY RAHIM YAR KHAN

PERCENTAGE/ITEM RATE TENDER AND CONTRACT FOR WORKS

1. Name of Work _____

2. Estimated Cost _____ Rs. _____

(Both in figures and words.)

3. Time for Completion _____

4. Amount of earnest money Rs. _____ (in figures)

Rupees _____ (in words)

5. Issued to _____

(Name of contractor)

6. On payment of Rs. _____

(Both in words and figures)

Signature _____

(Official Issuing the form)

Dated _____

Office Stamp _____

Note: - The officer opening the tender shall reject the tender which does not bear the stamp and signature of the issuing official and which is not submitted by the same contractor to whom the tender form was issued.

(This page is to be filled in by the issuing official)

Contractor

Accepting Officer /Executive Engineer / Project Director

**CONSTRUCTION OF KHAWAJA FAREED UNIVERSITY OF
ENGINEERING AND INFORMATION TECHNOLOGY, RAHIM YAR
KHAN.**

Construction of Kitchen for Provision of Dinning Facility in A-Class
Residences at KFUEIT, RYK

SUMMARY OF BoQ

Sr. No.	Bill No.	Works	Amount as per BOQ (Rs.)
1		Schedule Items	
2	1	Civil Works	
3	2	Public Health Works	
5	4	Electrical Works	
6	A	Total of Bills(Schedule Items)	
7		Non Schedule Items	
8	5	Civil Works	
9	6	Public Health Works	
10	7	Electrical Works	
11	B	Total of Bills (Non Schedule Items)	
12		Total (A+B)	

**CONSTRUCTION OF KHAWAJA FAREED UNIVERSTY OF ENGINEERING AND INFORMATION
TECHNOLOGY, RAHIM YAR KHAN.**

Construction of Kitchen for Provision of Dinning Facility in A-Class Residences at KFUEIT, RYK

PRISED BILL OF QUANTITIES

CIVIL WORKS

(Scheduled Items)

#

2nd.Bi Annual 2018

Sr. No	DESCRIPTION	TOTAL QUANTITY	UNIT	UNIT RATE (Rs)	AMOUNT (Rs)
		(4)	(5)	(6)	(7)
	(1)				
	All items of civil works described under title "Description" unless specifically indicated otherwise, shall be deemed to be read in terms of supply, storing, protecting, making, assembling, installing, applying, laying, fixing, testing, commissioning, etc				
1.0	EARTH WORK				
	Excavation in foundation ,bridges and other structures, including dagbelling ,dressing ,refilling around structure with excavated earth ,watering and ramming lead up to one chain (30 m) and lift up to 5 ft.(1.5 m).				
1.1	- in Ordinary Soil.				
	Kitchen	4,498	1000 cft		
1.3	Supply and Filling of Local Sand.				
	i) Under Floor				
	Kitchen	3,520	100cf t		
	C O N C R E T E				
2.0	Plain and Reinforced Concret				
2.1	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, Under Floor.				
	- Ratio 1: 4:8				
	Kitchen	251	100cf t		
2.2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):				
	i) 1:4:8 (Blinding)				
	Kitchen	257	100cf t		
	ii) 1:2:4 (Under Floor)				
	Kitchen	128	100cf t		

Contractor

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2.3	Providing and laying reinforced cement concrete (Including prestress Concret) 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,(but Excluding the cost of steel reinforcement, its febrication and placing in position, etc. complete ')				
i)	Reinforced cement concrete type B nominal mix 1:11/2:3 (cylinder strength 3000psi) in slabs of raft/strip foundation , base slab of column and retaining walls; etc. and other structural members other than not requiring form work, (i.e. horizontal shuttring) complete in all respects.				
	Kitchen	397	Cft		
iii)	Reinforced cement concrete type B nominal mix 1:11/2:3 (cylinder strength 3000psi) in roof slabs, beams lintels ,girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects.				
	a) Ground Floor				
	Faculty Hostel (7 Nos)	575	Cft		
2.5	Providing and laying 3/4" thick Vertical Damp Proof course with cement sand plaster retio 1:3 and bitumen coating including water proofing chemical witch shall be paid separately (under non MRS item no 5.3. excluding bitumen coating.				
	Kitchen	223	100Sf t		
3.0	Steel Reinforced				
3.1	Supply and Fabrication of mild steel reinforcement for cement concrete, including cutting bending ,laying in position ,making joints and fastening ,including cost of binding wire and labor charges for binding of steel reinforcement (also includes removal of rust)				
	ii) Deformed bars (G-60)				
	Kitchen	2,473	100 Kg		
4.0	BRICK WORK				
4.1	Pacca brick work of 9" and above thickness including removal of surplus debris, unused material and by product ratio 1:5 cement sand mortar etc. Complete in all respect-				
	i) Foundation and Plinth				
	Kitchen	1,451	100Cf t		
	ii) Ground Floor				
	Kitchen	1,539	100Cf t		

Contractor

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4.1 a	Pacca Brick Work other then Building upto 10' (3m) Height. (1:4)				
	Kitchen	243	100Cf t		
4.2	Pacca brick work of 4½ " and above thickness including removal of surplus debris, unused material and by product ratio 1:4 cement sand mortar etc. Complete in all respect-				
	i) Ground Floor				
	Kitchen	20	100Cf t		
	ii) First Floor				
	Kitchen	60	100Cf t		
5.0	Roofing & Water Proofing				
5.1	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) Brick tile grouted with cement sand 1:3 laid over 4"(100 mm) (average) earth and 1" (25 mm) mud plaster without Bhoosa, Including cost of 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded (substract the cost of bitumen coating sand blinded)				
	i) First Floor				
	Kitchen	862	100Sf t		
5.3	Construction of Khuras on roof 2'x2'x6"				
	Kitchen	2	Each		
5.4	Provide and laying insulation material of Extrude Polystyrene XPS in Rigid insulation / foam board on roof or walls, density 32-28 Kg/M, compressive strenght 250-400 kpa, R-value 5 per inch thickness and water obsorbtion (1% by volume, cell structure clored cell) i/c cutting and placing in position complete in all respect.				
	i) 1½" thick				
	Kitchen	862	100Sf t		
5.5	Supply and Laying polythine sheet on Roof etc.				
	i) 500 Gauge (2-layer)				
	Kitchen	862	100Sf t		
6.0	FLOORING				
6.1	P/L Topping of Cement concre 1:2:4 including Surface finishing and dividing in panels.				
	i) 3" thick (Plinth Protection)				
	Kitchen	629	100Sf t		
6.2	Providing and fixing marble strip Size 1½" x 3/8" (40 x 10 mm) of any shade for dividing the mosaic flooring into panels.				
	Kitchen	600	Rft		

Contractor

Accepting Officer /Executive Engineer / Project Director

6.4	Laying Floor of approved Glazed Tile 1/4" thick, laid in white cement On a bed of 3/4" thick 1:2 cement mortar.			
	<i>i) Colour glazed tiles (with matching colour jointing mortar)</i>			
	Kitchen (Page-68)	42	100Sft	
6.5	Colour Glazed Tile Dado (6mm) thick in pigment over 1:2 cement, Sand mortar 3/4" (20mm) thick including finishing,			
	<i>i) Colour glazed tiles (with matching colour jointing mortar)</i>			
	Kitchen (Page-70)	168	100Sft	
7.0	SURFACE RENDERING			
7.1	Cement plaster 3/8" (10mm) thick under soffit of R C C roof slab up to 20'			
	Ratio (1:3)			
	Kitchen	1,140	100Sft	
7.2	Cement plaster 1:4 on Internal walls upto 20' height 1/2" (13mm) thick. :-			
	Kitchen	1,721	100Sft	
7.3	Cement plaster 1:4 on Internal walls upto 20' height 3/4" (20mm) thick. :-			
	Kitchen	927	100Sft	
7.4	Cement plaster 1:4 on External walls upto 20' height 3/4" (20mm) thick. :-			
	i) upto 20' height			
	Kitchen	1,994	100Sft	
8.0	WOOD WORK & ALUMINUM JOINERY			
8.1	First class deodar wood wrought joinery 1 1/2" thick (40 mm) in doors and windows, etc. panelled, or panelled or glazed, or fully glazed, fixed in position, including chowkat , holdfast, hinges, tower bolts, chocks, rubber stop, cleats/G.I. clamps, handles and chord with hooks, etc. complete.			
	Kitchen	84	P/Sft	
8.2	providing & fixing 1 1/2" inch thick (40 mm) solid flush door shutter (Approved Factory Manufactured) with Commercial ply (5mm thick) on both sides double pressed and deodar wood lipping 1-1/2" x3/8" (40 mm X 10 mm) around shutter including chromium paltered fitting iron hinges with aluminum kick plate 22 SWG on both sides & finger plates complete in all respects.			
	Kitchen	84	P/Sft	

8.3	P/F Approved Quality Mortice Lock Complete In All Respect.			
	Kitchen	2	Each	
8.4	Providing and fixing Iron sliding bolt , 10" (250 mm) long, Complete in all respect.			
	Kitchen	6	Each	
8.5	Providing and fixing ornamental wooden architrave 3" x (1½" tapered to ¼") all along the door frame complete in all respect.			
	a)- Deodar wood			
	Kitchen	122	P/Rft	
8.6	Providing and fixing wooden box type wardrobe 22" (550 mm) deep including ¾" (20 mm) thick boxing and shelves, hanger rods, hard board back drawers, brass fittings, locking arrangements, handles, internal bolts, shoes rods, etc. including three coats of enamel paint:-			
	<i>i) Partial wood boxing and deodar wood shelves and leaves, etc.</i>			
	Kitchen	66	P/Sft	
9.0	PAINT & VARNISHING			
9.1	French polishing over Deodar wood paneled door on new work complete in all respect:-			
	Kitchen	168	100Sft t	
9.2	preparing surface and painting of Doors and window any type (including edges);-			
	Kitchen	168	100Sft t	
9.3	preparing surface and painting with 3 coats of Emulsion paint .on new surface complete in all respect.			
	Kitchen	2,648	100Sft t	
9.4	Providing and Applying Weather Shield Paint of Approved Quality on External Surface of Building including preparation of surface, application of primer complete in all respect.			
	Kitchen	1,994	100Sft t	
9.5	Providing and laying Tuff Pavers , having 7000 PSI, crushing strenght 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. (50% Grey / 50% Coloured)			
	i) 60mm thick	9,000	P/Sft	
10.0	Metal W O R K s			

10. 1	Providing and fixing all types of glazed aluminum windows of anodized bronze colour partly fixed and partly sliding using deluxe section of M.S Al-Cop or Pakistan cables having frame size 100mm x 20mm x 2mm using leaf frame size 50mmx20mmx2mm, 5mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc complete in all respect as approved by the Engineer Incharge. (all aluminum section shall be of 2 mm thick)				
	Kitchen	190	P/Sft		
	Total Cost Of Civil Works (Schedule Items)			-	-

**CONSTRUCTION OF KHAWAJA FAREED UNIVERSTY OF ENGINEERING AND INFORMATION
TECHNOLOGY, RAHIM YAR KHAN.**

Construction of Kitchen for Provision of Dinning Facility in A-Class Residences at KFUEIT, RYK

PRISED BILL OF QUANTITIES

PUBLIC HEALTH WORKS

(Scheduled Items)

Sr. No	DESCRIPTION				
		TOTAL QUANTITY	UNIT	UNIT RATE (Rs)	AMOUNT (Rs)
	(1)	(4)	(5)	(6)	(7)
1.0	WATER SUPPLY			-	
2.0	SEWERAGE AND DRAINAGE				
2.1	Providing and filling 4" gully trap including cement concrete, cost of PVC grating (6" x 6") and masonry chamber (12" x 12").				
	Kitchen	4	Each		
3.0	PLUMBING FIXTURES				
3.1	Providing and fixing chromium plated tee stop cock (15 mm) 1/2"				
	Kitchen	4	No.		
3.2	Providing and fixing chromium plated mixing valve .for wash hand basin ,sink or shower				
	Kitchen	2	No.		
3.3	Providing and fitting glazed earthen ware water closet , Squatter type, (Orissia pattern) combine with foot rest. (White-)				
	Kitchen	1			
3.4	Providing and fitting glazed earthen ware made low down Flushing cistern 13.63 Litre (3 Gallons)capacity ,including bracket set,copper connection,etc complete in all respects.				
	Kitchen	1	No.		
3.6	Providing and Fitting glazed earthen ware wash hand basin 56 x 40 cm (22" x 16") including bracket set,waste pipe and waste coupling etc, with pedestal (for laboratories & J.C)				
	White ,with Pedestal				
	Kitchen	1	No.		
3.7	Providing and fixing stainless steel sink with drain board, size 120 x 60 cm (48" x 24") including bracket set, waste coupling.				
	Kitchen	1	No.		

Contractor

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3.9	Providing and fixing looking glass 55 x 40 cm (22" x 16") size and 5mm Thick ,first quality				
	Kitchen	1	No.		
3.10	Providing and Fixing glass shelf 60 x 13 cm (24" x 5") with 5mm thick glass with chromium plates brackets and railing				
	Kitchen	1	No.		
3.11	Providing and fixing ,chromium plated towel rail: 60cm (24") long, and 2cm (3/4"dia).				
	Kitchen	1	No.		
3.12	Providing and fixing ,chromium plates soap dish				
	Kitchen	1	No.		
3.13	Providing and fixing , chromium plated bib cock.				
	Kitchen	2	No.		
3.14	Providing and fixing ,chromium plates shower rose. 1.5x10cm (1/2"x4")				
	Kitchen	1	No.		
	Total PUBLIC health Works (Schedule Items)				-

Construction of Kitchen for Provision of Dining Facility in A-Class Residences at KFUEIT, RYK
ELECTRICAL WORKS
(Scheduled Items)

Sr. No	DESCRIPTION	TOTAL QUANTITY	UNIT	UNIT RATE (Rs)	AMOUNT (Rs)
1.0	WIRING AND ACCESSORIES				
1.1	Wiring of light or fan point from switch to the point with 3*3/0.9 mm (3/.036") PVC insulated single core cables in PVC pipes concealed in walls, columns and slabs including accessories, PVC box, 10 AMP. Gang switch 1 or 2 way as required, one for each light or fan and installed as in specifications.				
	Kitchen	30.00	Each		
1.2	Circuit wiring from MCBs board to gang switches board with 3*7/.074 mm (7/.029") 2.5 mm ² PVC insulated single core cables in appropriate size PVC conduit.				
	Kitchen	10.00	Each		
1.3	The same as item No.1.1 but from one light point to another light point.				
	Kitchen	5.00	Each		
1.4	5 Amp 2/3 pin universal flush mounting switch socket unit away from switch board and wired with 3x7/.91 mm (7/.036") single core cable from nearest circuit available in PVC concealed conduits or trunking including all conduit accessories as required complete in all respects.				
	Kitchen	6.00	Each		
1.5	The same as item no.1.4 but wiring from one socket to another socket with 3x7/.074 mm (7/.029") 2.5 mm ² single core cable.				
	Kitchen	4.00	Each		
1.6	The same as item No.1.4 but wiring of 15/ 20 A , 3 Pin flush mounting switch socket unit wired with 3x7/1.12 mm (7/.044") single core cable wires starting from D.B				
	Kitchen	2.00	Each		
2.0	CABLES AND CONDUITS				
	supply and erection of copper conductor cables for service connection, in pre-laid pipe / G.I. wire / trenches, etc. (rate for cables only) PVC insulated, PVC sheathed 4 core , 660 / 1100 volt non armoured cables :-				
	7 / 1.63 mm (7/0.064")				

Contractor

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	Kitchen	100.00	P/Rft		
2.1	supply and erection of PVC pipe for wiring on surface including clamps, inspection boxes, pull boxes,bends,tees and repairing surface etc, complete will all specials				
	i) 25 mm				
	Kitchen	50.00	P/Rft		
	ii) 50 mm				
	Kitchen	100.00	P/Rft		
	Total ELECTRICAL Works (Schedule Items)-d				-

**CONSTRUCTION OF KHAWAJA FAREED UNIVERSITY OF ENGINEERING AND INFORMATION
TECHNOLOGY, RAHIM YAR KHAN.**

Construction of Kitchen for Provision of Dinning Facility in A-Class Residences at KFUEIT, RYK

PRISED BILL OF QUANTITIES

CIVIL WORKS

(Non Scheduled Items)

Sr. No	DESCRIPTION	TOTAL QUANTITY	UNI T	UNIT RATE (Rs)	AMOUNT (Rs)
		(4)	(5)	(6)	(7)
1	(1) Earth Work				
5.0	Roofing & Water Proofing				
5.1	Provide and Apply 2-Coats of cold applied Rubberized Bitumen on roof slab of approved manufacture's @ 1Kg/M2/Coat over .75 Kg/M2 over primer coat (mixed with 6% water) respectively,over well prepared surfaces complete in all respects and /or as directed by the Engineer				
	Kitchen	862	P/S FT		
6.0	Flooring				
6.3	Providing and laying pre-polished porcelain tiles full body, (local origion) dado 16" x 16" including the cost of 3/4" thick cement sand mortar 1:2 cement paste, filling the joints with white cement and pigment with matching colour, cutting etc. complete in all respects as per approval of the Engineer.				
	Kitchen	80	P/S FT		
6.3 a	Providing and laying pre-polished porcelain tiles full body, (local origion) on Floor 16" x 16" including the cost of 3/4" thick cement sand mortar 1:2 cement paste, filling the joints with white cement and pigment with matching colour, cutting etc. complete in all respects as per approval of the Engineer.				
	Kitchen	711	P/S FT		
6.4	Providing and Laying Pre-Polished Granite Marble Slabs 3/4" thick of approved quality, colour, shade and texture on Kitchen / Pantry counter top set over 3/4 " thick 1:3 cement sand mortar i/c bevelling of exposed edges and filling of joints grouted with white cement mixed with pigment. complete				
	Kitchen	18	P/S FT		

Contractor

Accepting Officer /Executive Engineer / Project Director

8	Wood Work				
	<i>Before execution of below mentioned itemized works the contractor shall provide the shop Drawings for the prior approved the Engineer)</i>				
8.1	Providing /Fixing followings cabinets comprising of 3/4" Thick Lamination sheet both sides veneered of approved colour/texture i/c shutter,sides ,top,bottom, back and shelves i/c best quality hardware, deodar wood lipping (1/2" x 3/4") and polishing wherever specified, complete in all respects as shown in the drawings and/or as directed by the Engineer				
i	Floor Mounted Cabinets (Shutters only)				
	Kitchen	27	P/S FT		
ii	Wall Mounted Cabinets				
	Kitchen	18	P/S FT		
iii	Kitchen Hood made with 3/4" thick Kitchen hood made with 3/4" thick both sides veneered Lamination board external side and inside lining of 22 SWG stainless steel sheet.				
	Kitchen	1	Eac h		
8.2	Providing and Fixing Iron Tower Bolts(9" Long) of approved make on wooden doors complete in all Respects as per specifications and /or as directed by the Engineer				
	Kitchen	7	Eac h		
9.0	Painting & Varnishing				
10	Miscellaneous				
	<i>Wood Work (Before execution of below mentioned itemized works the contractor shall provide the shop Drawings for the prior approved the Engineer)</i>				
10.2	Providing ,fabricating and fixing 18 SWG M.S sheet hollow pressed jamb frame (Factory Primmed) for doors welded with M.S flat size 10" x 1" x 1/8", hold fasts i/c welding/ screwing 4" long iron hinges , filling concete for jamb frame and embedding hold fast in the adjoining walls with 1:2:4 concrete ,Emamel painting etc, complete in all respects as shown on the drawings and /or as directed by the Engineer, in-conformance with following sizes.				
	10" x 2-1/2 "				
	Kitchen		P/S		

Contractor

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		144	FT		
	6" x 2-1/2"				
	Kitchen	25	P/S FT		
10.4	Providing and Fixing Aluminium wire Gauze sliding panel for windows with frame size (1-3/4" x 1/2") 43 *13.5 mm and 1.34 mm Thick section (colour matching with window) of approved manufactures's including imported roller, accessories ,etc complete in all respects.				
	Kitchen	98	P/S FT		
10.5	M.S Steel grill for windows comprising of 3/8" * 3/8" square twisted bar welded with 1-1/2 " * 3/16" M.S Flat Frame including painting complete in all respect as shown on the drawings,specifications and /or as directed by the Engineer				
	Kitchen	190	P/K G		
11.0	Miscellaneous				
11.1	Providing and applying of approved Anti-Termite chemical ,mixed and applied as accordance with the manufacture's recommendation complete in all respect (The contractor shall provide 10 Yaers warranty of Anti -Termite Treatment)				
	Kitchen	3,035	P/S FT		
	Total Cost Of Civil Works (Non Schedule Items)				-

Construction of Kitchen for Provision of Dining Facility in A-Class Residences at KFUEIT, RYK
PRISED BILL OF QUANTITIES
PUBLIC HEALTH WORKS
(Scheduled Items)

Sr No	DESCRIPTION				
		TOTAL QUANTITY	UNIT	UNIT RATE (Rs)	AMOUNT (Rs)
	(4)		(5)	(6)	(6)
1.0	WATER SUPPLY			-	
1.1	Providing ,fixing,jointing and testing Polypropylene Random (PPR) pipes or approved equivalent pressure pipe for cold water as per DIN 8077-8078,PN-20 for pipes and DIN 16962,PN-25 for fitting (Polyfusion welded joints) inside building including fittings and specials (sockets,tees,elbows,etc) crosses,reducers,adaptor,plug and union etc.) supported on walls or suspended from roof slab cutting and making good the chases and holes complete in all respects				
	i) 25 mm O.D				
	Kitchen	50	P/RF T		
	ii) 32 mm O.D				
	Kitchen		P/RF T		
1.3	Supply and installation of electric geyers of following capacity ,including ball valves on inlet and outlet connections complete in all respects.				
	i) 6L/Min				
	Kitchen	1	P/RF T		
2.0	SEWERAGE AND DRAINAGE				
2.1	Providing ,fixing ,cutting,jointing and testing UPVC sewerage , Drainage and vent piping conforming to ISO 3633:1991 including Upvc Drainage fittings with solvent cement jointing includin cost of clamping to walls and ceiling, hangers,supports, cutting through walls and providing sleeves through concrete slabs for pipelines and pipe fittings of the following diameter complete in all respect.				
	i) 2" i/d				
	Kitchen	16	P/RF T		
	iii) 4" i/d				
	Kitchen	50	P/RF T		

Contractor

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2.2	Providing and fixing Upvc FLOOR Trap of approved quality including PVC grating and cover and P-Trap				
	Kitchen	4	No.		
2.3	Providing and fixing cowel for vent pipe of approved quality i) 3" Dia				
	Kitchen	2	No.		
2.4	Providing and fixing angle drain for 4" dia rain water pipe with brass top complete in all respects.				
	Kitchen	1	No.		
2.6	Construction of suquire manhole masonry 2.5x2.5ft, including cover and frame.				
	i) 5ft depth				
	Kitchen	1	No.		
Total PUBLIC health Works (Schedule Items)					-

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TECHNOLOGY, RAHIM YAR KHAN.**
Construction of Kitchen for Provision of Dinning Facility in A-Class Residences at KFUEIT, RYK
PRISED BILL OF QUANTITIES
ELECTRICAL WORKS
(Non-Scheduled Items)

Sr. No	DESCRIPTION	TOTAL QUANTITY	UNIT	UNIT RATE	AMOUNT
				(Rs)	(Rs)
	(4)			(5)	(5)
	<i>Supply, installation,testing and commissioning of the following items of work(unless specifically stated otherwise) including all material,labour ,tools,accessories etc.required for proper completion of each item as per specification and drawings and as directed by Engineer.</i>				
1.0	LIGHTING FITTINGS				
1.5	Wall Bracket fan 18" sweep make (Royal, Pak, Millat or approved equivalent) capacitor type, cooper winding complete with all accessories etc.				
	Kitchen	2	Each		
1.6	Ceiling fan 56" sweep make (Royal, Pak, Millat or approved equivalent) Capacitor type complete with all required accessories.				
	Kitchen	4	Each		
1.7	Exhaust fan 12" sweep make (Royal, Pak, Millat or approved equivalent) capacitor type complete with all required accessories etc.				
	Kitchen	2	Each		
2.0	DISTRIBUTION BOARDS				
	Faculty Hostel				
f	Servent Quarter				
	MDB-SQ				
	<i>D.Bs with TP adjustable setting incoming moulded case circuit breaker and SP miniature circuit breakers as shown in single line diagrams.</i>				
	01 No.In coming 16 Amp (Adj) MCCB, TP, RC = 25 KA				
	04 No. Outgoing 10 Amp (Adj) MCCB, SP, RC,10 KA				
	02 No. Outgoing 20 Amp (Adj) MCCB, SP, RC,10 KA				
	03 No. spare 10/20 Amp MCB,SP,RC,10 KA				

Contractor

Accepting Officer /Executive Engineer / Project Director

	Indication lights ,ammeter with selector switch voltmeter with selector switch,Panel box SWG 16 Powder coated RAL colour 7032, IP Class 44 and with all accessories.				
	Kitchen	1	Each		
	LED light 15watt (Philips)	20	Each		
	Total Cost Of Electrical Works (Non Schedule Items)				-