



# **AYUB TEACHING HOSPITAL, ABBOTTABAD**

## **BIDDING DOCUMENTS**

**Completion of left over works  
at First Floor of Ayub College of Dentistry at  
Medical Teaching Institute  
Ayub Teaching Hospital, Abbottabad**

**Contract No.: ATH/ABBOTTABAD/01/2020**

**VOLUME I-B**

**March 2021**



**National Engineering Services Pakistan (Pvt.) Limited**

NESPAK House, 3rd Floor, Sector G-5/2, Islamabad

Ph: 92-51-2874018, 2874031, 2874033 Fax: 92-51-2820144

Clearance Code	4159/331/BD/27(20)	Doc No.	4159-02	Rev No.	00
----------------	--------------------	---------	---------	---------	----

## Letter of Price Bid

Date: .....

Bid Reference No Completion of left over works at First Floor of Ayub College of Dentistry at Medical Teaching Institute, Ayub Teaching Hospital, Abbottabad

To: Medical Teaching Institute, Ayub Teaching Hospital Abbottabad

Employer's Representative:

**Hospital Director,**  
Medical Teaching Institute,  
Ayub Teaching Hospital Abbottabad

**Address:**  
Office of Hospital Director,  
Medical Teaching Institute,  
Ayub Teaching Hospital Abbottabad

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (IB)9;
- (b) The total price of our Bid, excluding any discounts offered in item (c) below is:
- (c) The discounts offered and the methodology for their application are:
- (d) Our Bid shall be valid for a period of ..... days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (e) If our Bid is accepted, we commit to obtain a performance security in accordance with the Bidding Documents;
- (f) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed and we do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other bidder for the Works

**LPB-2**

- (g) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.
- (h) We agree to permit Employer or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors. This permission is extended for verification of any information provided in our Technical Bid which comprises all documents enclosed herewith in accordance with IB.11.1 of the Bidding Data Sheet.
- (i) If awarded the contract, the person named below shall act as Contractor's Representative.

Name .....

In the capacity of .....

Signed .....

Duly authorized to sign the Bid for and on behalf of .....

Date .....

Address.....

**AYUB TEACHING HOSPITAL ABBOTTABAD**  
**LEFT OVER WORKS AT FIRST FLOOR OF AYUB COLLEGE OF DENTISTRY BLOCK**

**Priced Bill of Quantities**

**Summary**

Bill No.	Description	Amount (Rs.)		
		Schedule	Non-Schedule	
1	Civil Works	23,881,087	12,791,192	
2	Plumbing Works	3,953,909	10,035,541	
3	Electrical Works	1,041,043	33,434,178	
Total		28,876,038	56,260,910	
Grand Total		85,136,948		
Item	Description of item work	Rate		Grand Total KP MRS (2013) + Non Schedule
		Rupees in Figures	Rupees in Words	
A	KP MRS 2013 (3rd Qtr)			
	_____ % above / below/ At Par on KP MRS 2013 3rd Qtr i.e. Rs. 28,876,038 /-			
B	NON SCHEDULE ITEMS			
	_____ % above / below/ At Par on Non Schedule items Rs. 56,260,910/-			

**AYUB TEACHING HOSPITAL ABBOTTABAD**  
**LEFT OVER WORKS AT FIRST FLOOR OF AYUB COLLEGE OF DENTISTRY BLOCK**  
**PRICED BILL OF QUANTITIES**  
**CIVIL WORKS**

ITEM NO.	MRS-KPK-2013 (3rd Qtr)	DESCRIPTION	UNIT	QUANTITY	RATE (Rs.)	TOTAL AMOUNT (Rs.)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
<b>ORIGINAL PC-I SCOPE</b>						

Providing, fabricating and applying in any floor and at any height or depth except where otherwise stated in the specific item of the Bill, including all material, labour, all operations related to the items and plant for the following items, complete in all respects as per drawings, approved shop drawings, specifications, miscellaneous details and instructions of the Engineer, etc. complete as directed.

**SECTION - A**  
**TERMITE CONTROL TREATMENT**

ATH-A-01	26-15	Spraying anti-termite liquid mixed with water in the ratio of 1:40	Sqm	615.61	11.74	7,227.30
----------	-------	--	-----	--------	-------	----------

**SECTION - B**  
**CARPENTRY AND JOINERY**

ATH-B-01	12-53-d-01	Supply and Fixing aluminium door/window, Premium 4" sect. Sliding window	Sqm	223.23	6,377.32	1,423,635.93
ATH-B-02	12-53-d-03	Supply and Fixing aluminium door/window, Premium 4" sect. Fixed glazing	Sqm	547.05	4,466.73	2,443,533.78
ATH-B-03	12-53-d-07	Supply and Fixing aluminium door/window, Premium 4" sect. Swing door single action (long handle)	Sqm	74.65	8,788.98	656,110.43
ATH-B-04	12-23-a	Provide & fix wooden box type wardrobe 22" deep Partial wood boxing & deodar wood shelves etc	Sqm	100.00	8,832.28	883,228.00
ATH-B-05	12-33	Making and fixing 1" thick kail or chir wooden notice board with frame	Sqm	10.00	2,465.83	24,658.30
ATH-B-06	12-62-a	Kitchen Floor Cabinet as per MES Design/Specification.	Sqm	25.00	9,397.80	234,945.00



ITEM NO.	MRS-KPK-2013 (3rd Qtr)	DESCRIPTION	UNIT	QUANTITY	RATE (Rs.)	TOTAL AMOUNT (Rs.)
(a)	(b)	(c)	(d)	(e)	(f)	(g)

**NON SCHEDULE ITEMS****SECTION - G****MISCELLANEOUS****Ref. Spec. No. 2300, 3000, 6411**

ATH-G-01	NS-01	P/L River Bedgarah in 6" layers and mechanical compaction of each layer etc complete in all respect as per specification and instruciton of Engineer incharge.	Cum	544.06	1,260.00	685,519.98
ATH-G-02	NS-02	S/L of polyurethene single component sealent for expension joint 2.5" & 3" to 4" wide thick vertically.	Rm	91.44	3,543.48	324,000.00
ATH-G-03	NS-03	S/A geo membrane for moisture barrier as per required thickness where required.	Sqm	4,868.07	968.40	4,714,239.02

<b>TOTAL (NON-SCHEDULED) :-</b>	<b>5,723,759.00</b>
---------------------------------	---------------------

<b>GRAND TOTAL COST :-</b>	<b>14,648,414.80</b>
----------------------------	----------------------

**AYUB TEACHING HOSPITAL ABBOTTABAD**  
**LEFT OVER WORKS AT FIRST FLOOR OF AYUB COLLEGE OF DENTISTRY BLOCK**  
**PRICED BILL OF QUANTITIES**  
**CIVIL WORKS**

ITEM NO.	MRS-KPK-2013 (3rd Qtr)	DESCRIPTION	UNIT	QUANTITY	RATE (Rs.)	TOTAL AMOUNT (Rs.)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
<b>DEVIATION FROM ORIGINAL PC-I SCOPE</b>						
Providing, fabricating and applying in any floor and at any height or depth except where otherwise stated in the specific item of the Bill, including all material, labour, all operations related to the items and plant for the following items, complete in all respects as per drawings, approved shop drawings, specifications, miscellaneous details and instructions of the Engineer, etc. complete as directed.						
<b><u>SECTION - A</u></b>						
<b><u>TERMITE CONTROL TREATMENT</u></b>						
ATH-C-01	26-15	Spraying anti-termite liquid mixed with water in the ratio of 1:40	Sqm	5,516.75	11.74	64,766.60
<b><u>SECTION - B</u></b>						
<b><u>REINFORCEMENT</u></b>						
ATH-B-01	06-07-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Ton	3.58	119,471.41	427,523.10
<b><u>SECTION - C</u></b>						
<b><u>PLAIN AND REINFORCED CONCRETE</u></b>						
ATH-C-01	06-06-a-02	RCC in roof slab, beam, column & other structural members, insitu or precast. Type B (1:1.5:3)	Cum	29.79	9,095.27	270,907.18
<b><u>SECTION - D</u></b>						
<b><u>BRICK MASONRY WORK</u></b>						
ATH-D-01	07-05-a-03	Pacca brick work in ground floor Cement, sand mortar 1:4	Cum	143.38	6,519.31	934,749.83
ATH-D-02	07-06-a	Add extra on item No.07-05 for brick work in First floor	Cum	143.38	267.16	38,305.86
ATH-D-03	07-06-b	Add extra on item No.07-05 for brick work in in Second floor	Cum	143.38	562.74	80,686.62
<b><u>SECTION - E</u></b>						
<b><u>CEMENT PLASTER</u></b>						
ATH-E-01	11-09-b	Cement plaster 1:4 up to 20' height 1/2" thick	Sqm	993.74	178.98	177,859.42



ITEM NO.	MRS-KPK-2013 (3rd Qtr)	DESCRIPTION	UNIT	QUANTITY	RATE (Rs.)	TOTAL AMOUNT (Rs.)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
ATH-E-02	11-28	Extra for lime, mud or cement plaster & pointing from 20' & above for each additional 10' height	Sqm	414.97	22.08	9,162.64
ATH-E-03	04-48-b	Removing from walls: Cement or lime plaster	Sqm	782.39	9.34	7,307.52
<b><u>SECTION - F</u></b> <b><u>CARPENTRY AND JOINERY</u></b>						
ATH-F-01	12-52-d	Hollow flush door 1.5"-2" thick including iron mongery excluding chowkats & lock : Commercial veneered	Sqm	33.63	5,198.12	174,832.68
ATH-F-02	12-56-a	Supply and Fixing MS Sheet 16 gauge(10x20 feet) box type chowkats including fixing in position with all charges for Hold fast, Hinges and Painting etc	Rm	116.67	957.32	111,692.20
ATH-F-03	12-48	24 SWG aluminum kick plate 4" high, on bottom rail of flush doors of commercial ply	Rm	172.83	138.24	23,891.80
ATH-F-04	12-53-a-01	Supply and Fixing aluminum door/window, Economy model Sliding window	Sqm	78.44	6,159.28	483,125.68
ATH-F-05	12-53-c-03	Supply and Fixing aluminum door/window, Deluxe 3.5" sect. Fixed glazing	Sqm	40.15	4,141.24	166,265.40
ATH-F-06	12-37-b-02	Providing and fixing partition including framework : Sheets on both sides of frame : Ply wood 1/4"	Sqm	200.52	1,217.82	244,195.69
ATH-F-07	12-47	Panelled door of MS sheet with forged door leaves of MS sheet 22 SWG etc complete	Sqm	10.22	6,179.22	63,170.46
ATH-F-08	12-18-a-02	Providing and fixing sliding bolt to doors Iron sliding bolts : 12" long	Each	16.50	255.37	4,213.61
ATH-F-9	12-62-b	Kitchen Wall Cabinet as per MES Design/Specification.	Sqm	8.64	6,631.60	57,286.92
<b><u>SECTION -G</u></b> <b><u>FLOOR &amp; WALL FINISHES</u></b>						
ATH-G-01	10-26-a	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 3/4" thick (Badel, Silky black, Sunny white, Sunny Grey or eq)	Sqm	72.69	1,583.43	115,092.99
ATH-G-02	10-26-c	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 1/2" thick (Badel, Silky black, Sunny white, Sunny Grey or eq)	Sqm	24.23	1,433.05	34,720.83

ITEM NO.	MRS-KPK-2013 (3rd Qtr)	DESCRIPTION	UNIT	QUANTITY	RATE (Rs.)	TOTAL AMOUNT (Rs.)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
ATH-G-03	10-41-b	Provide & lay marble fine dressed and polished stone dado or skirting in white cement complete : 1/2" thick (Badel, Silky black, Sunny white, Sunny Grey or eq)	Sqm	25.35	833.60	21,134.39
<b><u>SECTION - H</u></b> <b><u>PAINTING</u></b>						
ATH-H-01	13-05-b-01	Painting old surfaces : Sashes, fanlights, doors or windows : First coat	Sqm	476.29	48.62	23,157.31
ATH-H-02	13-05-b-02	Painting old surfaces : Sashes, fanlights, doors or windows : Each subsequent coat	Sqm	952.58	40.52	38,598.69
ATH-H-03	13-30-a	Preparing surface and painting with emulsion paint : First coat	Sqm	2,969.41	113.13	335,929.80
ATH-H-04	13-30-b	Preparing surface and painting with emulsion paint : 2nd & each subsequent coat.	Sqm	8,747.75	50.38	440,711.78
ATH-H-05	13-38-a	Preparing surface & painting with snowcem / weather shield paint : First coat	Sqm	2,213.16	121.90	269,784.70
ATH-H-06	13-38-b	Preparing surface & painting with snowcem / weather shield paint : 2nd & subsequent coats	Sqm	4,426.33	66.20	293,022.92
<b><u>SECTION - I</u></b> <b><u>MISCELLANEOUS</u></b>						
ATH-I-01	06-19	Providing and fixing 6" wide GI sheet 18 SWG. stopper to expansion joint.	Rm	374.83	281.81	105,629.53
ATH-I-02	10-29	Cleaning and washing mosaic or marble floor with caustic soda mixture	Sqm	4,912.25	30.75	151,051.69
ATH-I-03	12-41-a	Fixing Door including chowkats	Each	6.00	480.50	2,883.00
ATH-I-04	12-41-b	Fixing Windows including chowkats	Each	14.00	240.25	3,363.50
ATH-I-05	09-15	Khurras on roof 2'x2'x6"	Each	80.00	545.10	43,608.00
ATH-I-06	13-25	Scraping rust from old rails or girders	Sqm	161.78	85.67	13,859.67
<b><u>SECTION - J</u></b> <b><u>DISMANTLING</u></b>						
ATH-J-01	04-13	Dismantling brick work in lime or cement mortar	Cum	36.13	651.38	23,535.47
ATH-J-02	04-19-c	Dismantling : Plain Cement Concrete 1:2:4	Cum	0.54	1,685.92	906.12

ITEM NO.	MRS-KPK-2013 (3rd Qtr)	DESCRIPTION	UNIT	QUANTITY	RATE (Rs.)	TOTAL AMOUNT (Rs.)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
ATH-J-03	04-50	Dismantling glazed or acoustics tiles etc	Sqm	54.06	133.42	7,213.30
<b><u>SECTION - K</u></b> <b><u>WALK WAY</u></b>						
ATH-K-01	03-56	Clearing & Grubbing	Sqm	153.35	20.94	3,211.06
ATH-K-02	03-07-a	Earth excavation in open cut up to 1.5m depth for drains etc & disposal : in Ordinary Soil	Cum	46.72	109.48	5,114.44
ATH-K-03	03-58	Compaction of Natural Ground	Sqm	153.35	18.17	2,786.29
ATH-K-04	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	15.43	4,860.62	75,011.69
ATH-K-05	10-45	P/F Precast Concrete 7000 psi TUFF Tiles over bed of 2" thick sand & 4" thick brick ballast comp	Sqm	153.35	726.24	111,365.80
ATH-K-06	16-63-a	Providing and fixing kerb stone (12"x18"x6") in cement sand mortar 1:3 in center media or round about as specified.	Rm	83.82	650.16	54,493.75
<b><u>SECTION - L</u></b> <b><u>RCC DRAIN</u></b>						
ATH-L-01	03-07-a	Earth excavation in open cut up to 1.5m depth for drains etc & disposal : in Ordinary Soil	Cum	719.42	109.48	78,762.37
ATH-L-02	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	65.41	4,860.62	317,939.46
ATH-L-03	06-06-b-02	RCC in raft foundation slab, base slab of column & ret. wall etc, not including in 06-06 Type B (1:1.5:3)	Cum	261.65	8,566.44	2,241,367.85
ATH-L-04	06-07-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Ton	13.92	119,471.42	1,662,444.81
<b><u>SECTION - M</u></b> <b><u>PLINTH PROTECTION</u></b>						
ATH-M-01	03-58	Compaction of Natural Ground	Sqm	736.37	18.17	13,379.77
ATH-M-02	06-02	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" gauge	Cum	74.04	1,052.05	77,892.78
ATH-M-03	06-05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	Cum	74.04	4,860.62	359,875.68

ITEM NO.	MRS-KPK-2013 (3rd Qtr)	DESCRIPTION	UNIT	QUANTITY	RATE (Rs.)	TOTAL AMOUNT (Rs.)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
ATH-M-04	06-05-h	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:3:6)	Cum	28.05	5,603.70	157,156.29
ATH-M-05	10-43-a	Provide & fix glass strip 1.5" wide for dividing the floors into panels : 5mm thick	Rm	1,207.45	18.52	22,362.01
<b><u>SECTION - N</u></b> <b><u>BASEMENT TREATMENT</u></b>						
ATH-N-01	03-23-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	Cum	598.30	203.84	121,956.52
ATH-N-02	07-30	Supplying and filling sand under floor or plugging in wells	Cum	448.72	1,010.63	453,491.42
ATH-N-03	03-19-c	Dressing & levelling earth to designed section Gravel work or soft rock not requiring blasting up to cut or fill 6 inches	Cum	2,393.18	22.99	55,019.24
ATH-N-04	24-09-c-02	Providing and installing PVC strainer, in tube well borehole comp. BSS Class 'D' working pressure : 8" i/d	Rm	804.97	4,016.32	3,233,009.07
ATH-N-05	10-29	Cleaning and washing mosaic or marble floor with caustic soda mixture	Sqm	6,133.01	30.75	188,590.09

ITEM NO.	MRS-KPK-2013 (3rd Qtr)	DESCRIPTION	UNIT	QUANTITY	RATE (Rs.)	TOTAL AMOUNT (Rs.)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
<b><u>SECTION - Q</u></b> <b><u>RAMP AREA</u></b>						
ATH-O-01	03-56	Clearing & Grubbing	Sqm	311.80	20.94	6,529.15
ATH-O-02	03-29	Extra for slush or daldal including dewatering	Cum	94.79	141.84	13,444.74
ATH-O-03	03-49-b	Jungle clearance and removing within 50m Thick Jungle	Decare	0.31	4,669.84	1,455.53
<b>SUB TOTAL (SCHEDULE ITEMS ) :-</b>						<b>14,520,806.72</b>
<b>ADD 3% ABOVE ON CSR ITEMS FOR DISTRICT ABBOTTABAD :-</b>						<b>435,624.20</b>
<b>TOTAL (SCHEDULED) :-</b>						<b>14,956,430.92</b>

**NON SCHEDULE ITEMS****SECTION - P**  
**FLOOR & WALL FINISHES**  
**Ref. Spec. No. 6600**

ATH-P-01	NS-01	Providing, Laying & Fixing of Porcelain tiles of approved colour, " Master" or equivalent (full body) of 20"x20" size as per finishing schedule using white cement mixed with pigment if required over 3/4" thick grey cement sand mortar (1:3) including finishing etc, design and pattern as shown in drawings, as approved by the Architect and as directed by the Engineer.	Sqm	996.57	2,626.42	2,617,399.59
ATH-P-02	NS-02	Providing & Fixing Porcelain tiles Skirting of approved colour, 12"x4" size as per finishing schedule using white cement mixed with pigment if required over 1/2" thick grey cement sand mortar (1:3) including finishing etc, design and pattern as shown in drawings, as approved by the Architect and as directed by the Engineer.	Rm	1,122.46	272.32	305,672.40
ATH-P-03	NS-03	Providing and fixing with steel nails and washers, the chicken wire mesh of approved quality, at joint of concrete and masonry work (6" wide strip, 20SWG) before plastering etc complete.	Sqm	261.31	898.66	234,826.83
ATH-P-04	NS-04	Repairs to plaster of thickness 1/2" to 3/4" in cement sand mortar 1:4 patches of area 27 Sft and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 30 meters lead.	Sqm	391.19	472.99	185,031.28

ITEM NO.	MRS-KPK-2013 (3rd Qtr)	DESCRIPTION	UNIT	QUANTITY	RATE (Rs.)	TOTAL AMOUNT (Rs.)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
		<b><u>SECTION - Q</u></b> <b><u>CARPENTRY &amp; JOINRY</u></b> <b>Ref. Spec. No. 4600</b>				
ATH-Q-01	NS-05	Supply and Fixing aluminum door/window, Other items Lock for Aluminum	No	48.00	658.80	31,622.40
ATH-Q-02	NS-06	Providing & Replacement of Commercial Ply Including Removal of Existing with Nails, Glue Etc, As directed by the Engineer, Complete in all Respects.	Sqm	15.38	322.92	4,966.50
ATH-Q-03	NS-07	Providing & Fixing of Rubber Gasket to Aluminum Windows, As directed by the Engineer, Complete in all Respects.	Rm	172.83	82.03	14,176.25
ATH-Q-04	NS-08	Providing & Applying of Silicon Filling to Aluminum Windows, As directed by the Engineer, Complete in all Respects.	Rm	172.83	36.09	6,237.55
ATH-Q-05	NS-09	Providing & Fixing of Door Lipping, As directed by the Engineer, Complete in all Respects.	Rm	21.62	75.46	1,631.85
ATH-Q-06	NS-10	Providing & Fixing of Window Sill Slab, As directed by the Engineer, Complete in all Respects.	Sqm	16.06	1,668.42	26,789.81
ATH-Q-07	NS-11	Providing & Fixing of Counter Slab, As directed by the Engineer, Complete in all Respects.	Sqm	2.17	1,463.90	3,169.65
ATH-Q-08	NS-12	Supply and Fixing of Chromium Plated tower bolt: 6" to 9"	Each	33.00	327.21	10,797.93
ATH-Q-09	NS-13	Providing & Fixing of Floor Mounted Kitchen Cabinets Shutters, Consisting of 3/4" thick MDF Board with Partal wooden frame Including all accessories, Complete in all Respects.	Sqm	8.64	3,638.23	31,417.10
		<b><u>SECTION - R</u></b> <b><u>MISCELLANEOUS</u></b> <b>Ref. Spec. No. 2300, 3000, 6411</b>				
ATH-R-01	NS-14	Providing and fixing of Fiber Glass shed consisting of fiber glass Sheet, tubular pipe frame (heavy) quality and Tubular Supports, as Directed by the Engineer, Complete in all Respect.	Sqm	52.34	5,774.75	302,262.01
ATH-R-02	NS-15	Replaced plain glass panes of sizes up to 5 mm thickness with iron, nails and putty including removing broken ones if required in all floors.	Sqm	83.55	2,920.16	243,973.13



**AYUB TEACHING HOSPITAL ABBOTTABAD**  
**LEFT OVER WORKS AT FIRST FLOOR OF AYUB COLLEGE OF DENTISTRY BLOCK**  
**PRICED BILL OF QUANTITIES**

**BILL NO. B1**

**PLUMBING WORKS**

ITEM NO.	KPK MRS 2013 (3rd Qtr)	DESCRIPTION	UNIT	QTY	RATE (Rs.)	TOTAL AMOUNT (Rs.)
(a)	(b)	(c)	(d)	(e)	(f)	(g)

Providing, fabricating and applying in any floor and at any height or depth except where otherwise stated in the specific item of the Bill, including all material, labour, all operations related to the items and plant for the following items, complete in all respects as per drawings, approved shop drawings, specifications, miscellaneous details and instructions of the Engineer, etc. complete as directed.

**ORIGINAL PC-I SCOPE**

**SECTION - A**

**SANITARY FIXTURES AND FITTINGS**

P-A1	14-01-a	Providing and Fixing glazed earthen ware WC European type of approved make/size excluding cost of seat & cover, complete in all respects: White	Each	25.00	4,644.20	116,105.00
P-A2	14-02-a	Providing and Fixing double seat & cover only : Bakelite	Each	25.00	424.89	10,622.25
P-A3	14-10-b	Providing and Fixing glazed earthen ware low down flushing cistern 3 gallons capacity : Coloured	Each	25.00	2,026.65	50,666.25
P-A4	14-05-a-01	Providing and Fixing glazed earthen ware WHB complete Size 25"x18" : Coloured with pedestal	Each	25	2,516.70	62,917.50
P-A5	14-47-a	Providing and Fixing 1/2" (12 mm) dia connection including check nuts etc of approved quality: Plastic rubber connection	Each	180	161.47	29,064.60
P-A6	14-17	Providing and Fixing best quality 5mm mirror 22"x16" size	Each	175	796.30	139,352.50
P-A7	14-18-a	Providing and Fixing best quality 5mm glass shelf 24"x5" With chromium plated brackets & railing	Each	175	634.27	110,997.25
P-A8	14-18-b	Providing and Fixing best quality 5mm glass shelf 24"x5" Glass shelf only, w/o chromium plated brackets	Each	20	419.20	8,384.00
P-A9	14-15	Providing and Fixing CP toilet paper holder	Each	25	439.28	10,982.00
P-A10	14-16-a	Providing and Fixing CP towel rail : 24" long, 3/4" dia	Each	127	651.03	82,680.81
P-A11	14-24-b	Providing and Fixing CP bib-cock, heavy type : 1/2"	Each	175	532.45	93,178.75
P-A12	14-23	Providing and Fixing underground stop-cock 1/2" with CP cover	Each	250	488.10	122,025.00



ITEM NO.	KPK MRS 2013 (3rd Qtr)	DESCRIPTION	UNIT	QTY	RATE (Rs.)	TOTAL AMOUNT (Rs.)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
P-A13	14-26-a	Providing and Fixing CP shower rose : 1/2"x4"	Each	10	387.25	3,872.50
P-A14	14-27	Providing and Fixing CP mixing valve for WHB, sink or shower	Each	127	2,115.13	268,621.51

**SECTION - B****SOIL, WASTE, VENTILATING PIPES & FITTINGS**

P-B1	23-01-b	Providing and Laying RCC pipe, moulded with cement concrete 1:1.5:3, including cost of reinforcement, testing etc : 6" dia::	Mtr	300	611.36	183,408.00
P-B2	23-01-c	ProvidProviding and Laying RCC pipe, moulded with cement concrete 1:1.5:3, including cost of reinforcement, testing etc : 9" dia:	Mtr	400	724.00	289,600.00
P-B3	23-03-a-01	Providing and Laying RCC pipe sewers complete As per ASTM C-76-79, Class II : 12" i/d, Wall B	Mtr	600	1,607.68	964,608.00
P-B4	14-31-b	Providing and Fixing CI floor trap including CI grating & concrete chamber all round : 4"x3"	Each	40	671.98	26,879.20
P-B5	14-41-a	Providing and Fixing CP waste coupling : 1.25"	Each	127	319.67	40,598.09
P-B6	14-43-a	Providing and Fixing waste pipe of PVC : 1.25"	Each	127	118.63	15,066.01
P-B7	14-45-a	Providing and Fixing CP bottle trough with waste pipe : 1.25" i/d	Each	250	1,172.72	293,180.00

**SECTION - C****VALVES**

P-C1	24-21-b	Providing and Fixing sluice valve, BSS quality/weight, Class 'B' working pressure for CI & AC pipe line				
	(a)	4" (100 mm) dia of Valve	Each	4	4,569.80	18,279.20

SUB TOTAL (SCHEDULE ITEMS ) :- 2,941,088.42

ADD 3% ABOVE ON CSR ITEMS FOR DISTRICT ABBOTTABAD :- 88,232.65

TOTAL (SCHEDULED) :- 3,029,321.07

**NON SCHEDULE ITEMS****SECTION - D****SANITARY FIXTURES AND FITTINGS**

P-D1	NS-1	Providing & Fixing of Chromium plated mixer ½" dia of MASTER, Faisal or equivalent complete in all respects	Each	100	4,050.00	405,000.00
P-D2	NS-2	Providing and fixing chromium plated double bib-cock with Muslim Shower of approved quality Complete is all respects.	Each	100	585.00	58,500.00

ITEM NO.	KPK MRS 2013 (3rd Qtr)	DESCRIPTION	UNIT	QTY	RATE (Rs.)	TOTAL AMOUNT (Rs.)
(a)	(b)	(c)	(d)	(e)	(f)	(g)

P-D3	NS-3	Providing and Fixing glazed earthen ware sink including set of brackets, waste pipe etc : 25"x18"l	Each	50	3,000.00	150,000.00
------	------	--	------	----	----------	------------

P-D4	NS-4	Providing and Fixing white glazed earthenware flat back urinal	Each	40	2,700.00	108,000.00
------	------	--	------	----	----------	------------

#### **SECTION - E**

#### **WATER SUPPLY PIPES AND FITTINGS**

**(Ref. Specs 5216)**

P-E1	NS-5	Providing & Fixing of Electric water cooler complete in all respect : 30 gallons	Each	12	40,500.00	486,000.00
P-E2	NS-6 (a)	P/F Polyethylene Water Tank (Vertical) 1500 gallons	Each	10	135,000.00	1,350,000.00
P-E3	NS-7	Supply and fixing of 1.0 HP Monoblock water pump 1.25"x1" single phase upto 88 ft head (Type DE-S2) i/c all accessories.	Each	12	15,300.00	183,600.00
P-E4	NS-8	Providing and Laying HDPE pipe Din-8074/Din-8075/ISO-4427 including testing & disinfect complete (50mm dia)	Mtr	200	900.00	180,000.00
P-E5	NS-9	Providing and Laying HDPE pipe Din-8074/Din-8075/ISO-4427 including testing & disinfect complete (110mm dia)	Mtr	100	4,050.00	405,000.00
P-E6	NS-10	Providing and Laying cut, joint, test, disinfect PVC pipe line BSS Class 'D' working pressure : 8" i/d	Mtr	400	2,832.00	1,132,800.00

#### **SECTION - F**

#### **VALVES**

**(Ref. Specs 5100)**

P-F1	NS-11	Brass/Bronze Gate valves on water supply pipes, conforming to BS standards of approved quality, including jointing arrangement of pipes on both ends of valves; nuts, bolts etc. complete in all respects, of following internal diameters.	Each		375.00	7,500.00
	(a)	20mm	Each	20	489.00	5,868.00
	(b)	25mm	Each	12	677.00	13,540.00
	(c)	37.5mm	Each	20	954.00	11,448.00
	(d)	50mm	Each	12		

#### **SECTION - G**

#### **SOIL, WASTE, VENTILATING PIPES & FITTINGS**

P-G1	NS-12	uPVC Soil, Waste and vent pipes conforming to ISO:3633 type "B" or BS- 4514/5255 class "A" ,including imported rubber ring/solvent cement fittings, jointing, cutting, and breaking concrete/masonry and then making it good, applying painting, cleaning and testing etc. complete in all respects.(for sanitary drainage) : 1 1/2" dia	Mtr	600	297.00	178,200.00
------	-------	--	-----	-----	--------	------------



**AYUB TEACHING HOSPITAL ABBOTTABAD**  
**LEFT OVER WORKS AT FIRST FLOOR OF AYUB COLLEGE OF DENTISTRY BLOCK**  
**PRICED BILL OF QUANTITIES**

**BILL NO. B1**

**PLUMBING WORKS**

ITEM NO.	KPK MRS 2013 (3rd Qtr)	DESCRIPTION	UNIT	QTY	RATE (Rs.)	TOTAL AMOUNT (Rs.)
----------	------------------------------	-------------	------	-----	---------------	--------------------------

(a)	(b)	(c)	(d)	(e)	(f)	(g)
-----	-----	-----	-----	-----	-----	-----

Providing, fabricating and applying in any floor and at any height or depth except where otherwise stated in the specific item of the Bill, including all material, labour, all operations related to the items and plant for the following items, complete in all respects as per drawings, approved shop drawings, specifications, miscellaneous details and instructions of the Engineer, etc. complete as directed.

**DEVIATION FROM ORIGINAL PC-01 SCOPE**

**SECTION - A**

**SANITARY FIXTURES AND FITTINGS**

P-A1	14-15	Providing and Fixing CP toilet paper holder	Each	7	439.28	3,074.96
P-A2	14-06-a	Providing and Fixing stainless steel sink with drain board size	Each	3	3,303.20	9,909.60

**SECTION - B**

**EXCAVATION FOR TRENCHING AND BACKFILLING**

P-B1	03-07-a	Earth excavation in open cut upto 1.5m depth for drains etc & disposal : in Ordinary Soil	M3	473.10	109.48	51,794.99
P-B2	03-16-a	Filling, watering and ramming earth under floor with surplus earth from foundation, etc	M3	291.780	76.63	22,359.10
P-B3	07-30	Supplying and filling sand under floor or plugging in wells	M3	140.540	1,010.63	142,033.94

**SECTION - C**

**GRATINGS**

P-C1	23-05-a	Providing and Fixing 4" gully trap of approved quality including cement concrete cost of PVC grating 6" x6" (150 x 150 mm) and masonry chamber 12"x12" (300 x 300 mm).	No	10	1,797.24	17,972.40
------	---------	--	----	----	----------	-----------

**SECTION - D**

**NEUTRALISING SUMP**

P-D1	03-23-b	Excavation in foundation of building, bridges etc complete : in ordinary soil	M3	154.11	160.93	24,800.54
------	---------	---	----	--------	--------	-----------

ITEM NO.	KPK MRS 2013 (3rd Qtr)	DESCRIPTION	UNIT	QTY	RATE (Rs.)	TOTAL AMOUNT (Rs.)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
P-D2	03-29	Extra for slush or daldal including dewatering	M3	154.11	141.84	21,858.63
P-D3	06-05-f	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	M3	1.84	6,469.09	11,911.92
P-D4	07-05-a-02	Pacca brick work in ground floor Cement, sand mortar 1:4	M3	41.93	6,750.76	283,034.70
P-D5	06-06-a-02	RCC in roof slab, beam, column & other structural members, insitu or precast. Type B (1:1.5:3)	M3	11.90	9,095.27	108,215.68
P-D6	06-02	Dry rammed shingle brick ballast or stone ballast 1.5" to 2" guage	M3	9.07	1,052.05	9,537.00
P-D7	06-07-b	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Ton	1.60	119,471.42	191,154.27
SUB TOTAL (SCHEDULE ITEMS) :-						897,657.73
ADD 3% ABOVE ON CSR ITEMS FOR DISTRICT ABBOTTABAD :-						26,929.73
TOTAL (SCHEDULED) :-						924,587.46

**NON SCHEDULE ITEMS****SECTION - E****SANITARY FIXTURES AND FITTINGS**

P-E1	NS-1	Undercounter Vanity type wash hand basin of approved make, colour, size, shape and quality, including jointing and sealing material, etc. with all accessories for complete installation.	Each	20	8,147.00	162,940.00
P-E2	NS-2	Providing and Fixing of Marble Vanity for Wash Hand Basin of Imported approved quality	M2	8.56	1,749.61	14,976.66

**SECTION - F****WATER SUPPLY PIPES AND FITTINGS****(Ref. Specs 5216)**

P-F1	NS-3	Providing, laying cutting, jointing, testing PPRC pipeline in walls/trenches with pipes (confirming to DIN 8077/8078, PN 20 of approved quality & fittings conforming to DIN 16962,PN25 of the same manufacturer) for cold/hot water supply systems including specials complete in all respect as per specifications: except excavation 3/4" i/d	Mtr	914.35	159.36	145,710.82
P-F2	NS-4	Providing, laying cutting, jointing, testing PPRC pipeline in walls/trenches with pipes (confirming to DIN 8077/8078, PN 20 of approved quality & fittings conforming to DIN 16962,PN25 of the same manufacturer) for cold/hot water supply systems including specials complete in all respect as per specifications: except excavation 1" i/d	Mtr	762	202.77	154,507.69



**AYUB TEACHING HOSPITAL ABBOTTABAD**  
**LEFT OVER WORKS AT FIRST FLOOR OF AYUB COLLEGE OF DENTISTRY**  
**PRICED BILL OF QUANTITIES**

**BILL NO. C1**

**ELECTRICAL WORKS**

ITE	KPK	DESCRIPTION	UNIT	QTY	RATE (Rs.)	TOTAL
M	MRS					AMOUNT
NO	2013					(Rs.)
(a)	(b)	(c)	(d)	(e)	(f)	(g)

**ORIGINAL PC-I SCOPE**

**Non Scheduled Items**

1	<b>Supply, installation and commissioning of switches &amp; sockets 10 Amp one waygang type switches, complete in all respect.</b>					
	a) One switch unit	Nos.	184	250	46,000.00	
	b) Two switch unit	Nos.	134	350	46,900.00	
	c) Three switch unit	Nos.	167	550	91,850.00	
	d) Four switch unit	Nos.	134	630	84,420.00	
	e) Six switch unit	Nos.	167	900	150,300.00	
	f) Two pin plug 5 amp	Nos.	167	750	125,250.00	
	g) Power plug 15 amp	Nos.	134	900	120,600.00	
	h) Telephone plug	Nos.	50	800	40,000.00	
	i) Fan dimmer	Nos.	184	1000	184,000.00	

2 **L.T. Switchgear**

**Main Panel Board (MPB)**

Supply, installation and commissioning of MPB made of sheet steel 14 SWG, totally enclosed, indoor Floor Standing type including all auxiliaries, internal wiring from Mccbs terminating on cable terminals blocks installed at the top of MPB, designation labels of all incoming and outgoing feeders as shown on the drawings, Brass Cable Glands according to the Cable sizes for incoming & outgoing Cables, earthing bar, neutral bar, suitable for system voltage 415 V, 50 Hz, 3 phase, neutral and earthing busbars made of 99.8% electrolytic copper of under mentioned capacities. Body of MPB shall be degreased and de-rusted having one coat of antirust paint with further 2 coats of powder paint of approved colour and shall be equipped as mentioned below, including cost of all necessary materials complete in all respects and accordance with the latest BS codes and conforming to single line diagram. Rated current of Main & Neutral Bus Bar rated at 50 degree centigrade All Breakers to be installed shall be of one make on

**AYUB TEACHING HOSPITAL ABBOTTABAD**  
**LEFT OVER WORKS AT FIRST FLOOR OF AYUB COLLEGE OF DENTISTRY**  
**PRICED BILL OF QUANTITIES**

**BILL NO. C1**

**ELECTRICAL WORKS**

ITE	KPK	DESCRIPTION	UNIT	QTY	RATE (Rs.)	TOTAL
M	MRS					AMOUNT
NO	2013					(Rs.)

*Rated lcs not less than 35 KA for incoming, outgoing Breakers and for busbar installed in the Panel. Front & Rear open able doors. Shop drawings shall be submitted by the manufacturer for Approval to consultant before starting Fabrication of all Main Panel Board, SubMain Panel Board Motor Control Centre and Light.*

**Incoming**

**2-2000 Amps TP ACB** (Air circuit breaker )  
 6-Phase indication lamps (LED Type) of color Red, Yellow, and Blue or green on incoming side. Make Maruyasu Japan Telemecanique France.

2-Digital **Voltmeter** 0-500 V make Frer or Revalco Italy. With

6-2000/5 Amps **CTs**. Make Revalco Italy accuracy class 0.5.

2-Digital **Ampere meter** 0-2000 make Revalco or Frer Italy.

**Incoming**

**2-1250 Amps TP ACB** (Air circuit breaker )  
 6-Phase indication lamps of color Red, Yellow, and Blue or green (LED Type) on incoming side. Make Maruyasu Japan Telemecanique France.

2-Digital **Voltmeter** 0-500 V make Frer or Revalco Italy.

6-1250/5 Amps **CTs**. Make Revalco Italy accuracy class 0.5.

2-Digital **Ampere meter** 0-1250 make Revalco or Frer Italy.

**1-1250 Amps TP ACB** (Air circuit breaker)  
 as Busbar Coupler and Electrical Interlocked with above 4 nos Incoming ACBs.

**Outgoing**

2-800 Amps TP **MCCB** having thermal and magnetic adjustable settings

1-630 Amps TP **MCCB** having thermal and magnetic adjustable settings

4-250 Amps TP **MCCB** having thermal and magnetic adjustable settings

3-200 Amps TP **MCCB** having thermal and magnetic adjustable settings

2-125 Amps TP **MCCB** having thermal and magnetic adjustable settings



**AYUB TEACHING HOSPITAL ABBOTTABAD**  
**LEFT OVER WORKS AT FIRST FLOOR OF AYUB COLLEGE OF DENTISTRY**  
**PRICED BILL OF QUANTITIES**

**BILL NO. C1**

**ELECTRICAL WORKS**

ITE	KPK	DESCRIPTION	UNIT	QTY	RATE (Rs.)	TOTAL
M	MRS					AMOUNT
NO	2013					(Rs.)
		3-100 Amps TP MCCB				
		2- 75 Amps TP MCCB				
		4- 60 Amps TP MCCB				
		1- 50 Amps TP MCCB				
		1- 40 Amps TP MCCB				
		1- 30 Amps TP MCCB	No	1	4,106,630.00	4,106,630.00
3		<b><u>Tinned Copper Bus Tie Duct</u></b>				
		Supply Installation and commissioning of triple pole and neutral tinned Copper Conductor Bustie Duct (BTD) at site all other accessories like tees, bends, right angle bends, channels 2 mm thick sheet steel, cover 1.5 mm thick sheet steel, busbar supports, angle iron supports, tie bolts, including cost of suspension system consisting of angle iron 37x37x6mm, M.S. threaded rods 16mm dia 600 to 900mm long, rawl bolts, all necessary materials as required at site complete in all respects. <b>Actual length of the BTD shall be measured at site by the Manufacturer, for the following capacities:</b>				
		1250 Amps 3 phase and neutral having 3 Nos. 80mm x 10mm copper busbar for each phase & 3 nos. 80mm X 10mm same size for neutral also	Mrt	5	68,200.00	341,000.00
4		<b><u>Sub Main Panel Board Light-Frist Floor (SMPB-L FF)</u></b>				
		Same as item no 8 above but 14 SWG wall mounting type and equipped as under <b>(Ics not less than 20 for incoming &amp; outgoing Breakers.</b>				
		<b><u>Incoming</u></b>				
		<b>1-200 Amps TP MCCB</b> Having Thermal & Magnetic adjustable setting				
		3-Phase indication lamps (LED TYPE) of color Red, Yellow, and Blue or green on incoming side. Make Maruyasu Japan Telemecanique France.				
		1-Digital <b>Voltmeter</b> 0-500 V make Frer or Revalco Italy.				
		3-200/5 Amps <b>CTs.</b> Make Revalco Italy accuracy class 0.5.				
		1-Digital <b>Ampere meter</b> 0-200 make Revalco or Frer Italy.				

**AYUB TEACHING HOSPITAL ABBOTTABAD**  
**LEFT OVER WORKS AT FIRST FLOOR OF AYUB COLLEGE OF DENTISTRY**  
**PRICED BILL OF QUANTITIES**

**BILL NO. C1**

**ELECTRICAL WORKS**

ITE	KPK	DESCRIPTION	UNIT	QTY	RATE (Rs.)	TOTAL
M	MRS					AMOUNT
NO	2013					(Rs.)
5		<b><u>Outgoing</u></b> 3-60 A TP MCCB 3-50 A TP MCCB 1-40 A TP MCCB Space For TP MCCB for Future.	No	1	200,000.00	200,000.00
		<b><u>Sub Main Panel Board-Power First Floor (SMPB- P FF)</u></b> Same as item no 8 above but 14 SWG wall mounting type and equipped as under <b>(Ics not less than 30 KA for incoming &amp; outgoing Breakers.</b> <b><u>Incoming</u></b> 1-800Amps TP MCCB Having Thermal & Magnetic adjustable setting 3-Phase indication lamps (LED TYPE) of color Red, Yellow, and Blue or green on incoming side. Make Maruyasu Japan Telemecanique France. 1-Digital <b>Voltmeter</b> 0-500 V make Frer or Revalco Italy. 3-800/5 Amps <b>CTs.</b> Make Revalco Italy accuracy class 0.5. 1-Digital <b>Ampere meter</b> 0-800 make Revalco or Frer Italy.				
6		<b><u>Outgoing</u></b> 5-200 Amps TP MCCB Having Thermal & Magnetic adjustable setting 1-100A TP MCCB Space For TP MCCB for Future.	No	1	415,000.00	415,000.00
		<b><u>Distribution Board Concealed Light</u></b> <b><u>a) DB-L1</u></b> <b><u>Incoming</u></b> 1-40 Amps TPMCCB (Ics 10 KA) <b><u>Outgoing</u></b> 21-10 Amps SP MCBs Provision of space for 03 No future MCBs	No	1	41,000.00	41,000.00
		<b><u>b) DB-L2</u></b> <b><u>Incoming</u></b> 1-75 Amps TPMCCB (Ics 10 KA) <b><u>Outgoing</u></b> 33-10 Amps SP MCBs Provision of space for 03 No future MCBs	No	1	47,000.00	47,000.00
		<b><u>c) DB-L3</u></b> <b><u>Incoming</u></b> 1-100 Amps TPMCCB (Ics 10 KA)				

**AYUB TEACHING HOSPITAL ABBOTTABAD**  
**LEFT OVER WORKS AT FIRST FLOOR OF AYUB COLLEGE OF DENTISTRY**  
**PRICED BILL OF QUANTITIES**

**BILL NO. C1**

**ELECTRICAL WORKS**

ITE	KPK	DESCRIPTION	UNIT	QTY	RATE (Rs.)	TOTAL AMOUNT
M	MRS					(Rs.)
NO	2013					
		<b><u>Outgoing</u></b>				
		36-10 Amps SP MCBs				
		Provision of space for 03 No future MCBs	No	1	52,000.00	52,000.00
		<b><u>d) DB-L4</u></b>				
		<b><u>Incoming</u></b>				
		1-30 Amps TPMCCB (lcs 10 KA)				
		<b><u>Outgoing</u></b>				
		15-10 Amps SP MCBs				
		Provision of space for 03 No future MCBs	No	1	42,000.00	42,000.00
		<b><u>e) DB-CF</u></b>				
		<b><u>Incoming</u></b>				
		1-60 Amps TPMCCB (lcs 10 KA)				
		<b><u>Outgoing</u></b>				
		18-10/15 Amps SP MCBs				
		2-25 Amps TPMCB				
		Provision of space for 03 No future MCBs	No	1	57,000.00	57,000.00
7		<b><u>Distribution Board Concealed Power</u></b>				
		<b><u>a) DB-P1</u></b>				
		<b><u>Incoming</u></b>				
		1-50 Amps TPMCCB (lcs 10 KA)				
		<b><u>Outgoing</u></b>				
		15-15/20 Amps SP MCBs				
		Provision of space for 03 No future MCBs	No	1	47,000.00	47,000.00
		<b><u>b) DB-P2</u></b>				
		<b><u>Incoming</u></b>				
		1-125 Amps TP MCCB Having Thermal & Magnetic adjustable setting(lcs 10 KA)				
		<b><u>Outgoing</u></b>				
		27-15/20 Amps SP MCBs				
		Provision of space for 03 No future MCBs	No	1	47,000.00	47,000.00
		<b><u>c) DB-P3</u></b>				
		<b><u>Incoming</u></b>				
		1-200 Amps TP MCCB Having Thermal & Magnetic adjustable setting(lcs 10 KA)				
		<b><u>Outgoing</u></b>				
		12-15/20 Amps SP MCBs				
		15-25Amps TP MCBs				
		Provision of space for 03 No future MCBs	No	1	102,000.00	102,000.00
		<b><u>d) DB-P4</u></b>				
		<b><u>Incoming</u></b>				
		1-125 Amps TP MCCB Having Thermal & Magnetic adjustable setting(lcs 10 KA)				

**AYUB TEACHING HOSPITAL ABBOTTABAD**  
**LEFT OVER WORKS AT FIRST FLOOR OF AYUB COLLEGE OF DENTISTRY**  
**PRICED BILL OF QUANTITIES**

**BILL NO. C1**

**ELECTRICAL WORKS**

ITE	KPK	DESCRIPTION	UNIT	QTY	RATE (Rs.)	TOTAL AMOUNT
M	MRS					
NO	2013					(Rs.)
		<u><b>Outgoing</b></u>				
		24-15/20 Amps SP MCBs				
		4-25Amps TP MCBs				
		Provision of space for 03 No future MCBs	No	1	60,000.00	60,000.00
		<u><b>g) DB-UPS1</b></u>				
		<u><b>Incoming</b></u>				
		1-50 Amps TPMCCB (lcs 10 KA)				
		<u><b>Outgoing</b></u>				
		18-10 Amps SP MCBs				
		Provision of space for 03 No future MCBs	No	1	41,000.00	41,000.00
		<u><b>r) DB-WP1</b></u>				
		<u><b>Incoming</b></u>				
		1- 50 Amps TPMCCB (lcs 10 KA)				
		<u><b>Outgoing</b></u>				
		18-10 Amps SP MCBs				
		Provision of space for 03 No future MCBs	No	1	41,000.00	41,000.00
		<u><b>s) DB-1</b></u>				
		<u><b>Incoming</b></u>				
		1-75 Amps TP MCCB (lcs 10 KA)				
		<u><b>Outgoing</b></u>				
		15-10 Amps SP MCBs				
		4-25 Amps TP MCBs				
		Provision of space for 03 No future MCBs	No	1	47,000.00	47,000.00
		<u><b>y) DB-P</b></u>				
		<u><b>Incoming</b></u>				
		1-125 Amps TP MCCB Having Thermal & Magnetic adjustable setting(lcs 10 KA)				
		<u><b>Outgoing</b></u>				
		12-25 Amps TP MCBs				
		Provision of space for 03 No future MCBs	No	1	62,000.00	62,000.00
		<u><b>z) DB-EX1</b></u>				
		<u><b>Incoming</b></u>				
		1- 60 Amps TPMCCB (lcs 10 KA)				
		1x50 Amps TP Magnatic conductor Rating at AC-3 ( Make ABB) Sweden				
		Timer Make Entas ( Model DTR40 ) With Additional Photo cell				
		<u><b>Outgoing</b></u>				
		18-10 Amps SP MCBs				
		Provision of space for 03 No future MCBs	No	1	77,500.00	77,500.00

**AYUB TEACHING HOSPITAL ABBOTTABAD**  
**LEFT OVER WORKS AT FIRST FLOOR OF AYUB COLLEGE OF DENTISTRY**  
**PRICED BILL OF QUANTITIES**

**BILL NO. C1**

**ELECTRICAL WORKS**

ITE	KPK	DESCRIPTION	UNIT	QTY	RATE (Rs.)	TOTAL AMOUNT
M	MRS					(Rs.)
NO	2013					
8		<b><u>Fittings And Fixtures</u></b>				
		<b><u>Fluorescent Fittings/ Metal Halide</u></b>				
		Supply, Installation, testing and commissioning of following fluorescent, Incandescent light fittings, ceiling, wall mounted. Complete with chokes, lamp holders, starters, power factor correction capacitor, tube rods internal wiring, earthing terminal, complete in all respects, fixtures to be approved by the Engineer.				
		a) <b>Philips Make</b> GMP- 118.	Nos	29	2,500.00	72,500.00
		b) <b>Philips make</b> FCS with 1 x 18 Watt PLC Lamps .	Nos	67	2,400.00	160,800.00
		c) <b>Philips Make</b> TCS-288/414 with with 4 x 14 watts lamps.	Nos	125	9,000.00	1,125,000.00
		d) <b>Philips Make</b> TCS 398 WITH 2 x 36 watts 83/84 Lamps.	Nos	34	6,000.00	204,000.00
		e) Cylindrical up and downlighter with 2 x 120 watts Par Lamp	Nos	30	2,000.00	60,000.00
		f) <b>Philips Make</b> TCS-398 WITH TL'D 1 X 36 watts Fluorescent Lamp..	Nos.	64	5,000.00	320,000.00
		h) <b>Philips Make</b> Tango3 M/SMF 383 hpt WITH 400 watts Lamp..	Nos.	3	17,000.00	51,000.00
		i) Energy Savers 23 watt	Nos.	300	300.00	90,000.00
9		<b><u>Earthing System</u></b>				
		Supply and installation of 25 mm dia 3.6 m long copper rod for earthing system directly driven in ground to earthing resistance not more than 1 ohm, i/c brass plate as per drawing and specification.	Nos	5	50,000.00	250,000.00
		Supply and installation of 25 mm X 3mm copper earth strip as per drawing and specification.	Mtr	50	1,500.00	75,000.00
		Supply and installation of 38 mm X 3mm copper tape i/c copper staple and nails as per drawing and specification.	Mtr	50	2,000.00	100,000.00
		Supply and installation of 25mm dia 1m long lightning conductor copper rod i/c 5 no's spike ball and base as per drawing and specification.	Job	1	50,000.00	50,000.00

**AYUB TEACHING HOSPITAL ABBOTTABAD**  
**LEFT OVER WORKS AT FIRST FLOOR OF AYUB COLLEGE OF DENTISTRY**  
**PRICED BILL OF QUANTITIES**

**BILL NO. C1**

**ELECTRICAL WORKS**

ITE	KPK	DESCRIPTION	UNIT	QTY	RATE (Rs.)	TOTAL AMOUNT
M	MRS					(Rs.)
NO	2013					
10		<b><u>Telephone Wiring</u></b> <b><u>Telephone Points</u></b> Wiring for each telephonepoint in preinstalled outlet boxes with 4 pair CAT- 6 (UTP) telephone cable tinned copper conductorPVC insulated PVC sheathed manufactured by Krc 3M, Molex from respective TJB in and including cost of 1" dia. PVC conduit heavyduty make Betaor recessedin slabs, walls, columnsor abovefalse ceiling or as required as per site conditions including cost of telephoneoutlet digital typeRJ-11 makeABB, Krone, 3M, Molex all necessary materials & accessories, completein all respects. Maximum4 telephone cables each of 4 pairs can be pulled through 1" dia PVC conduit.	Mtr	90	60.00	5,400.00
11		<b><u>PVC Conduit</u></b> Supply, installation of PVC conduit heavyduty make Betaor Popular, buriedunder ground or as required as per site conditions including cost of all PVC conduitaccessories, steel pull wires, all necessaryaccessories andmaterials complete in all respect.  1 1/4" dia. PVC conduit to facilitate pulling of incoming telephone cable	Mtr	34	100.00	3,400.00
12		<b><u>Telephone Junction Box 300 Pairs (TJB) (MTJB)</u></b>  Supply, installation and commissioning of telephone junction box 250/5 make Krone GermanyKrone No. 6525/1/022/00of approved colour, designation label as per drawing, including disconnecting modules of 30 Nos. Type2/10 LSAPlus Profile Krone GermanyNo. 6089/1/102/02for incoming and out going telephone cables, all necessary accessories complete in all respects.	No	1	30,000.00	30,000.00
		S/F of Telephone sets	No.	34	2,000.00	68,000.00
13		<b>Air Conditions</b>				



**AYUB TEACHING HOSPITAL ABBOTTABAD**  
**LEFT OVER WORKS AT FIRST FLOOR OF AYUB COLLEGE OF DENTISTRY**  
**PRICED BILL OF QUANTITIES**

**BILL NO. C1**

**ELECTRICAL WORKS**

ITE	KPK	DESCRIPTION	UNIT	QTY	RATE (Rs.)	TOTAL
M	MRS					AMOUNT
NO	2013					(Rs.)

**Scheduled Items**

**Internal Electrification**

19	15-68-c	Supply and Erection best quality AC ceiling fan complete with GI rod, canopy, blades & regulator : 56" sweep	Nos	184	3,045.08	560,294.72
20	15-61-a	Supply and Erection fluorescent tube light fitting including 4' rod, choke, starter, flexible wire et Single	Nos	100	951.80	95,180.00
21	15-55-b	Supply and erection of fancy wall type bracket with brass holder & fancy shade : Double	Nos	167	818.74	136,729.58
22	15-51	Wiring of 2/3-pin 5-Amp. plug point in 3/0.029 PVC insulated bare cable in PVC pipe recessed	Nos	12	607.11	7,285.32

**Location Factor 23,984.69**

**TOTAL (SCHEDULE ITEMS) :- 823,474.31**

**GRAND TOTAL COST :- 30,624,524**



**AYUB TEACHING HOSPITAL ABBOTTABAD**  
**LEFT OVER WORKS AT FIRST FLOOR OF AYUB COLLEGE OF DENTISTRY BLOCK**  
**PRICED BILL OF QUANTITIES**

**BILL NO. C1**

**ELECTRICAL WORKS**

ITE	KPK	DESCRIPTION	UNIT	QTY	RATE	TOTAL
M	MRS				(Rs.)	AMOUNT
NO	2013					(Rs.)
(a)	(b)	(c)	(d)	(e)	(f)	(g)

**DEVIATION FROM ORIGINAL PC-I SCOPE**

**Non Scheduled Items**

1	<b>Supply, installation and commissioning of powder coated back box, complete in all respect.</b>					
	j) 16 SWG- 3"x3" powder coated back box.	Nos.	25	93.75	2,343.75	
	k) 16 SWG- 6"x3" powder coated back box.	Nos.	15	156.25	2,343.75	
2	<b><u>Fittings And Fixtures</u></b> <b><u>Fluorescent / Incandescent Light Fixture</u></b> Supply, Installation, testing and commissioning of following fluorescent, Incandescent light fittings, ceiling, wall mounted. Complete with chokes, lamp holders, starters, power factor correction capacitor, tube rods internal wiring, earthing terminal, complete in all respects, fixtures to be approved by the Engineer.					
	a) Light fixture, cylindrical type surface mount, complete with E-27 lamp holders with 02 Nos Min 09 Watts LED Bulbs and hanging accessoires.	Nos	220	2,400.00	528,000.00	
	b) Light fixture similar to <b>Philips</b> Make TCS-288/414 with 4 x 14 watts lamps.	Nos	270	9,000.00	2,430,000.00	
	c) Light fixture similar to <b>Philips</b> Make TCS 398 WITH 2 x 36 watts 83/84 Lamps.	Nos	13	6,000.00	78,000.00	
	d) Light fixture, Wall mounted Up/down type having E-27 base for 2 x 6 Watts( Min) LED lamps ,	Nos	30	2,000.00	60,000.00	
	e) Light fixture similar to <b>Philips</b> Make GMP-118.	Nos.	4	2,500.00	10,000.00	
	f) Light fixture-WaterProof Type with E-27 base for Min 9 Watts LED lamps.	Nos.	18	9,580.00	172,440.00	



**Appendix-J to Bid****ESTIMATED PROGRESS PAYMENTS**

Bidder's estimate of the value of work which would be executed by him during each of the periods stated below, based on his Program of the Works and the Rates in the Bill of Quantities, expressed in thousands of Pakistani Rupees:

<b>Quarter/ Year/ Period</b>	<b>Amounts (1,000 Rs.)</b>
1 <sup>st</sup> Month	
2 <sup>nd</sup> Month	
3 <sup>rd</sup> Month	
4 <sup>th</sup> Month	
5 <sup>th</sup> Month	
6 <sup>th</sup> Month	