



# **SHAHEED BB UNIVERSITY, SHERINGAL, DIR UPPER**

## **REHABILITATION WORKS OF FIRST FLOOR AT FAMILY FLATES AT SHAHEED BENAZIR BHUTTO UNIVERSITY, SHERINGAL DIR UPPER KHYBER PAKHTUNKHWA**



**BILL OF QUANTITIES(BoQ)**

**VOLUME -III**

**March ,2020**

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**OFFICE OF THE DIRECTOR OF WORKS  
SHAHEED BB UNIVERSITY,  
SHERINGAL, DIR UPPER**

<b>Bill of Quantities(BoQ)</b>		
<b>Rehabilitation Works of Family Flats at Shaheed BB University, Sheringal Dir Upper</b>		
<b>Ser</b>	<b>Description of Works</b>	<b>Amount</b>
<b>1. (Schedule items) Priced on MRS 2019 Khyber Pakhtunkhwa.</b>		
<b>A.</b>	<b>Civil Works</b>	<b>Rs. 6,983,793</b>
<b>B.</b>	<b>Plumbing, Sanitary and Water Supply Works</b>	<b>Rs. 192,237</b>
<b>C.</b>	<b>Electrical/Mechanical Works</b>	<b>Rs. 426,994</b>
<b>Sub-Total of Serial 1. Schedule items</b>		<b>Rs. 7,603,024</b>
<b>Add 10% Location Factor</b>		<b>Rs. 760,302</b>
<b>Sub-Total of Serial 1. Schedule items</b>		<b>Rs. 8,363,327</b>
<b>2. (Non-schedule items)</b>		
<b>A.</b>	<b>Electrical/Mechanical Works</b>	<b>Rs. 15,200</b>
<b>Sub-Total of Serial 2. Non-Schedule items</b>		<b>Rs. 15,200</b>
<b><u>Grand Total</u></b>		<b><u>Rs. 8,378,527</u></b>
<b>Add/deduct <math>\pm</math> % over Total (by the Bidder) _____ %</b>		<b>Rs. _/-</b>
<b>Grand Total</b>		<b>Rs. _/-</b>

We the undersigned offer to execute and complete such works and remedy ,therein, any defect in conformity with the complete bidding/ contract documents (Conditions of the Contract, Contract Data, BoQ alongwith preamble, Specifications, Technical & Special Provisions), appendices, formats and Drawings within the Stipulated Period in the Quoted Rates MRS 2019, NSI by us.

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**Bill of Quantities(BoQ)**

**Rehabilitation Works of Family Flats at Shaheed BB University, Sheringal Dir Upper**

Sr. No.	CSR Item No	Description	Qty	Unit	Rate	Amount
1	2	3	4	5	6	7
		<b>A- Civil Works (Schedule items)</b>				
<b>1</b>		<b>Chapter –7 (Masonry Works)</b>				
0.01	07-45-c	P/L PCC Hollow Block Masonry Work in First Floor or more than 20' & upto 30' height, Laid Jointed and Pointed in Cement, Sand Mortar Ratio 1:4complete made of 1800 PSI Crushing Strength as per specification.	372.50	Cft	371.41	Rs. 138,349
<b>2</b>		<b>Chapter-9 (Roofing Works)</b>				
2.01	09-14-c	Supplying and Fixing of 24 BWG Corrugated Galvanized Iron Sheet Coloured (as approved by the Engineer) fixed to Timber/Steel Framing or Purlins with one and half Corrugation side lap and six inches end laps fixed with GI Bolts, Nuts, or Nails, including GI Limpet and Bituminous Washer, @ 15" C/C, complete in all respect (but excluding cost of Valleys, ridges, wind ties).	6983.63	Sft	169.9536	Rs. 1,186,893
2.02	09-29-b	Supplying and Fixing of 24 BWG Galvanized Iron Sheet Coloured with GI Bolts, Nuts, or Nails, including GI Limpet and Bituminous Washer, as in Ridges, Hips Valley, Covels etc. complete in all respect as per directions of the Engineer.	320.00	Rft	804.00	Rs. 257,280
2.03	25-10	Supplying and fixing in position, Mild Steel Sections, Angles, Tees, Flat, Channels, Solid, Square or Round bars and Steel Trusses any size and thickness including Welding, Grinding where required/ directed/ shown in drawings complete work all as per directions of the Engineer.	6545.45	Kg	213.889	Rs. 1,400,000
	25-09	Supplying and fixing in position, Mild Steel Nut and Bolts and similar light weight items Galvanized, erected in concrete RCC for holding up roof trusses. and/or where required/ directed/ shown in drawings complete work all as per directions of the Engineer.	185.07	Kg	238.888	Rs. 44,211
	12-47	Supplying and fixing acoustic mineral fibre tile ceiling fixed with aluminium tee hung by GI wire Fixed in roof where required as per specification approved drawings as directed by Engineer.	5412.12	Sft	218.38	Rs. 1,181,899
	12-42-b	Supplying and fixing external cielling including frame work, Chip board 1/2" thick Sheet Fixed in roof where required as per specification approved drawings as directed by Engineer.	960.00	Sft	153.2084	Rs. 147,080

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**Bill of Quantities(BoQ)**

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Sr. No.	CSR Item No	Description	Qty	Unit	Rate	Amount
1	2	3	4	5	6	7
<b>3</b>		<b>Chapter-10 (Flooring)</b>				
3.01	10-25	Providing and Laying Floor of approved Colours, Non-Skid, Glazed Tiles 1/4" thick, Laid in White Cement & Pigment complete, on a base of 3/4" thick cement mortar 1:2.	35.00	Sft	198.07	Rs. 6,932
3.02	10-39-a	Providing and laying of Glazed tiles 1/4" thick as in dado/skirting jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick incl. finishing complete : Coloured Plain Tiles, complete in all respect.	402.00	Sft	126.867	Rs. 51,001
3.03	10-26-g	P&F Glazed Tiles Colour Printed Boarders 2" Wide and 1/4" thick as in Dado/ Skirting jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick incl. finishing complete.	24.00	Rft	176.89	Rs. 4,245
<b>3</b>		<b>Chapter-11 (Surface Rendering)</b>				
3.01	11-9-b	1/2" thick Cement Plaster in CM 1:6 on walls in any floor as per Specifications and directions of the Engineer.	1490.00	Sft	27.6369	Rs. 41,179
3.02	11-26	Add extra for cement upto 10' additional height.	1490.00	Sft	3.690	Rs. 5,498
<b>4</b>		<b>Chapter-12 (Joinery Works)</b>				
4.01	12-49-c - 12-29-c	First Class 1.50" thick deodar wood wrought joinery in doors as per approved design fully paneled, or paneled & gauzed, or paneled & glazed, or fully glazed using 05mm thick plain/ tinted/ Frosted Glass fixed in position complete, including Brass mongary/fittings i-e Hinges, Tower Bolts, Handles, Chokes, Stopper, Cleats/ GI Clamp, and cord with hooks etc. where directed (but excluding, Chowkats, sliding bolts, locks, latches and painting).	623.00	Sft	844.91	Rs. 526,379
4.02	12-49-c	First Class 1.50" thick deodar wood wrought joinery in Windows as per approved design fully paneled, or paneled & gauzed, or paneled & glazed, or fully glazed using 05mm thick plain/ tinted/ Frosted Glass fixed in position complete, including Brass mongary/fittings i-e Hinges, Tower Bolts, Handles, Chokes, Stopper, Cleats/ GI Clamp, and cord with hooks etc.	395.00	Sft	1377.24	Rs. 544,010
4.02	12-62	P&F GI wire gauze 22 SWG 12x12 mesh per square inch fixed to windows with 3"x3/4" arch fillets complete in all respect as per drawings and specifications.	395.00	Sft	270.64	Rs. 106,903
4.03	12-01-a	Supplying and fixing in position First Class Deodar Wood as in Chowkats for doors, fillets, beading or similar fancy joinery works etc. of/in any size, design and shape including sawing, planing, wroughting, etc. fixing in position, including nails and screws, hold fasts, etc. as and where directed complete in all respect as per specifications.	11.91	Cft	7974.19	Rs. 94,941

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**Bill of Quantities(BoQ)**

**Rehabilitation Works of Family Flats at Shaheed BB University, Sheringal Dir Upper**

<b>Sr. No.</b>	<b>CSR Item No</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
4.04	12-70-a	Supply and Fixing MS Sheet 16SWG (10"x2") Box Type Steel Chowkats (Single/ Double pattam) including fixing in position with incl. 6 Nos 1"x1/8"x 12 " MS Flat Iron Hold fasts and Flat Iron for Hinges, including PCC 1:2:4 etc. as specified.	245.00	Rft	354.36	Rs. 86,818
4.05	12-22-a-02	P& F of approved Best Quality Heavy Duty C/P Sliding Bolt 12"long as per approved sample by the Engineer/Employer.	26	No	527.61	Rs. 13,718
4.06	12-52-a	Supplying and Fixing in position of Glasses	100.00	Sft	224.19	Rs. 22,419
4.07	12-44-b	Lasani Limanitted Sheeting in Wall cabinet	156.00	Sft	138.67	Rs. 21,633
4.08	12-44-b	Lasani Limanitted Sheeting in Floor cabinet	390.00	Sft	138.67	Rs. 54,081
4.09	12-27-a	Providing and fixing Wood Box Type Wardrobe 22" deep Partel wood Boxing and deodar wood shelves etc.	168.00	Sft	1421.95	Rs. 238,888
<b>5</b>		<b>Chapter-13 (Painting &amp; Varnishing)</b>				
5.01	13-03-b-02x02	Preparation of surface & Painting to doors, windows, ceiling, walls and other surfaces such as wooden/ steel/ plastered or as and where directed/required in any colour, design, pattern, glass or mate finish One Coat of Synthetic Enamel paint complete as per specifications and directions of the Engineer.	4052.00	Sft	11.84	Rs. 47,968
5.02	11-20-b	Priming Coat of (pre-mixed, factory made) Chalk putty to form smooth base for distemper and P/E paint on walls and ceiling etc. complete as per specifications and directions of the Engineer.	15877.00	Sft	4.52	Rs. 71,726
5.03	13-03-i	Prepare surface and Painting with Plastic Emulsion Paint three Coats on Walls and Ceiling complete all as per Specifications and Directions of the Engineer.	15877.00	Sft	43.44	Rs. 689,745
		<b>A- Civil Works (Schedule items)</b>				<b>Rs. 6,983,793</b>

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**Bill of Quantities(BoQ)**

**Rehabilitation Works of Family Flats at Shaheed BB University, Sheringal Dir Upper**

Sr. No.	CSR Item No	Description	Qty	Unit	Rate	Amount	
1	2	3	4	5	6	7	
<b>6</b>	<b>B</b>	<b>Chapter-14 (Plumbing, Sanitary Installations &amp; Water Supply Works)</b>					
6.01	14-05-a-05	P&F Glazed Earthen Ware WHB i/c set of brackets, waste pipe and waste coupling, complete Size 25"x18" with pedestal, (Best quality).	1	No	4096.16	Rs. 4,096	
6.02	14-06-d	P&F 18 BG thick Stainless Steel Sink with drain board size 60"x20" incl. set of Brackets, Waste Pipe and waste coupling etc. complete, (Best quality).	4	No	10208.70	Rs. 40,835	
6.03	14-20-a	P&F Soap Dish Plastic, heavy type, Best quality, any Colour.	6	No	468.63	Rs. 2,812	
6.04	14-20-b	P&F Toilet Paper Holder Plastic, heavy type, Best quality, any Colour.	6	No	469.86	Rs. 2,819	
6.05	14-20-c	P&F Towel Rail Plastic, heavy type, Best quality, any Colour).	6	No	479.66	Rs. 2,878	
6.06	14-17-b	P&F 5mm thick mirror with plastic frame best quality complete (any Colour).	6	No	806.03	Rs. 4,836	
6.07	14-20-d	P&F best quality Plastic Shelf 24"x5" heavy type, Best quality, any Colour.	6	No	866.76	Rs. 5,201	
6.08	14-39-a	P&F 1/2" CP Bib-Cock/t, heavy type : best quality complete.	10	No	600.08	Rs. 6,001	
6.09	14-21-c	P&F 1/2" CP Double Bib-Cock/tap, heavy type : best quality complete.	24	No	938.42	Rs. 22,522	
6.10	14-86	P&F Muslim Shower, double bib cock with PVC pipe complete set, , heavy type : best quality complete.	4	No	2426.00	Rs. 9,704	
6.11	14-27-a	P&F CP Mixing Valve for WHB, Sink, heavy type : best quality complete	4	No	2739.17	Rs. 10,957	
6.12	14-33	P&F 4" Gully Trap with PCC, incl. Masonry Chamber 1'x1' and PVC Grating 6"x 6", heavy type : best quality complete work.	4	No	1843.13	Rs. 7,373	
6.13	14-48-a	P&F Brass float/safety valve 1/2" dia , heavy type : best quality complete.	3	No	440.76	Rs. 1,322	
6.14	14-55-f	P&F GI pipe & incl. Specials complete 1/2" dia. (Light)	200.00	Rft	102.96	Rs. 20,592	
6.15	14-160-a	P&F approved best quality Elect Water Heaters/Geyser 10 gallons capacity, best quality complete with thermostat, etc.	3	No	16763.40	Rs. 50,290	
	<b>B</b>	<b>Plumbing, Sanitary Installations &amp; Water Supply Works</b>					<b>Rs. 192,237</b>

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Sr. No.	CSR Item No	Description	Qty	Unit	Rate	Amount
1	2	3	4	5	6	7
<b>7</b>	<b>C</b>	<b>Chapter-15 (Electrical Works)</b>				
<b>7.01</b>		Supply and erection of PVC Pipe for wiring purpose including fixing with nails and laying of wiring and drilling holes in walls where required complete work as per directions of the Engineer.				
a.	15-02-b-01	PVC Pipe 1/2" i/d	10.00	Rft	48.26	Rs. 483
b.	15-02-b-02	PVC Pipe 3/4" i/d	156.00	Rft	63.90	Rs. 9,968
7.02		Supply and erection of PVC Duct (patty) for wiring purpose including fixing with nails and laying of wiring and drilling holes in walls where required complete work as per directions of the Engineer.				
a.	15-79-a	1/2" wide	10.00	Rft	19.97	Rs. 200
c.	15-79-b	1" wide	640.00	Rft	28.64	Rs. 18,330
e.	15-79-c	1-1/2" wide	210.00	Rft	40.79	Rs. 8,566
7.03		Supply and erection of single core PVC insulated copper conductor 250/440 volts grade cable (BSS-2004) in pre-laid pipes/duct patty etc.				
a.	15-05-a	3/0.029"	600.00	Rft	13.11	Rs. 7,866
b.	15-05-b	3/0.036"	100.00	Rft	21.15	Rs. 2,115
c.	15-05-c	7/0.029"	3200.00	Rft	23.19	Rs. 74,208
d.	15-05-d	7/0.036"	1300.00	Rft	28.42	Rs. 36,946
e.	15-05-e	7/0.044"	500.00	Rft	46.40	Rs. 23,200
e.sp	15-05-e	1/0.044" (earth wire)	3200.00	Rft	6.63	Rs. 21,213
7.04		Supply and erection of Single core PVC insulated & Sheathed copper conductor 660/1100 volts grade cable (BSS-2004) in pre-laid pipes etc.				
a.	15-07-a	7/0.064"	240.00	Rft	97.28	Rs. 23,347
7.05		Supply and erection of PVC Boxes for wiring including making holes for regulator, switch, plug etc complete.				
a.	15-09-a	4"x4"	32	No.	160.29	Rs. 5,129
b.	15-09-b	7"x4"	32	No.	213.89	Rs. 6,844
7.06	15-18-a	Supply and erection of multiswitches/ sockets , Plugs, switches and sockets for different options 10/15 Amp, best quality as per Specifications and directions of the Engineer.	144	No.	56.14	Rs. 8,084
7.07	15-19-b	Supply and erection of 3 pin 10/15 Amp: Power Plug with PVC Board best quality as per Specifications and directions of the Engineer.	32	No.	140.94	Rs. 4,510
7.08	15-20-b	Supply and erection of 3 pin switch and plug combined 10/15 Amp, best quality as per Specifications and directions of the Engineer.	20	No.	643.19	Rs. 12,864

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<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
7.09	15-25	Providing & fixing of plastic body fan box, suitable for RCC roof with MS bar 5/8" dia & covered with round white plastic sheet complete in all respect best quality as per Specifications and directions of the Engineer.	12	Set	322.24	Rs. 3,867
7.10	15-66-a	Supply and erection of PVC flood light fitting with holder, heat resistant clear glass and 24 watt energy saver fixed in any position complete best quality as per Specifications and directions of the Engineer.	8	No.	1409.38	Rs. 11,275
7.11	15-68-c	Supply and erection of best quality/approved make (premium quality) 56" sweep AC Ceiling Fan complete with GI rod, canopy, blades and capacitor, best quality as per Specifications and directions of the Engineer.	10	No.	4428.69	Rs. 44,287
7.12	15-69-a	Supply and erection of best quality/approved (premium quality) plastic body 12"x12" Exhaust Fan with shutter etc., best quality as per Specifications and directions of the Engineer.	12	No.	2440.45	Rs. 29,285
7.13	15-70-a	Supply & Erection of 30Amp Transpower Auto Circuit Breaker 3-Phase, 400V as required at site and as approved by the Engineer.	4	No.	3391.80	Rs. 13,567
7.14	15-70-b	--ditto-- but 60Amp.	4	No.	4004.30	Rs. 16,017
7.15	15-71-a	Supply & Erection of 6Amp Single Phase Auto Circuit Breaker as approved by the Engineer.	20	No.	635.96	Rs. 12,719
7.16	15-71-b	--ditto-- but 15 Amp.	20	No.	635.96	Rs. 12,719
7.17	15-75-b	Supply & Erection of Cubical Type Factory Fabricated Floor/ Wall Mounted 16 BG Steel Main board 4" deep with hinged door 16 BG steel or of 5mm glazing having locking arrangement, powder coated or S/E Painted suitable for housing of different capacities of MCCB's etc. complete in all respect best quality as approved by the Engineer.	6.00	Sft	2772.80	Rs. 16,637
7.18	15-80	Supply & Erection of Dimmer switch best quality as approved by the Engineer.	12	No.	228.93	Rs. 2,747
	<b>C</b>	<b>Chapter-15 (Electrical Works)</b>				<b>Rs. 426,994</b>

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Contractor-----



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<b>Sr. No.</b>	<b>CSR Item No</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	
	<b>D</b>	<b>Electrical Works (Non-Schedule items)</b>					
Elect-Non.Sch 1		Supplying and erection of Philips Energy Saver Light 23 Watt complete as per approved sample by the Engineer.	30	No	300	Rs. 9,000	
Elect-Non.Sch 2		Complete Set comprising 1xChangeover Switch, 3xAmp meter, 3xIndicators for 600Amp complete set as per approved sample complete as per approved sample by the Engineer.	1	Set	3800	Rs. 3,800	
Elect-Non.Sch 3		complete set comprising 3xVotl Meter, 3xIndicators complete as per approved sample by the Engineer.	2	Set	1200	Rs. 2,400	
<b>D</b>		<b>Electrical Works (Non-Schedule items)</b>					<b>Rs. 15,200</b>

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