

**Tender Notice**

Sealed tenders on prescribed tender forms are invited on the basis of MRS/ITEM RATES from the approved contractors of the Islamia University of Bahawalpur for the following works.

Sr. #	Project Name	Name of Works	MRS/Item Rates	T.S Cost Rs.	Earnest Money Rs.	Tender Fee Rs.	Period
1	Strengthening of Existing Departments at the IUB	Extension of External Electric Distribution System at Baghdad-ul-Jadeed Campus	MRS Jul-Dec, 2016	Rs.7,699,637 T.S No.700/Engg Date 18.11.2016	Rs.1,54,000	Rs.3,900	03 Months
2	Establishment & Development of the IUB Sub-Campus at Rahim Yar Khan (Revised)	Construction of Boys Hostel (Ground Floor) of IUB Sub Campus at Rahimyar Khan	MRS Jul-Dec, 2016	Rs.78,521,772 T.S No.337/Engg Date 15.09.2016	Rs.1,570,500	Rs.39,300	09 Months
3		Construction of Administration Block of IUB Sub Campus at Rahimyar Khan	MRS Jul-Dec, 2016	Rs.25,604,389 T.S No.338/Engg Date 15.09.2016	Rs.513,000	Rs.12,900	06 Months
4		Construction of Girls Hostel (Ground Floor) of IUB Sub Campus at Rahimyar Khan	MRS Jul-Dec, 2016	Rs.78,521,772 T.S No.339/Engg Date 15.09.2016 T.S No.414/Engg Date 05.10.2016	Rs.1,570,500	Rs.39,300	09 Months

- 1) Detailed particulars of the works can be seen in the office of the undersigned on the working days during office hours.
- 2) Prescribed tender forms duly signed by the Sr. Project Director (works) of Directorate of Engineering can be obtained immediately from the date of publication of this advertisement from the office of the undersigned upto **Monday, February 06, 2017** during office hours OR online downloaded from IUB website. The below mentioned items/documents should also be attached with the tender form.
  - i. Bank receipt of Tender fee.
  - ii. Deposit at call as earnest money @ 2% of estimated cost (as mentioned against each) issued in the name of Sr. Project Director (works), The Islamia University of Bahawalpur from any scheduled Bank.
  - iii. Proof of Enlistment/Renewal in the Islamia University of Bahawalpur for the year 2016-17.
  - iv. Proof of deposit of Enlistment/Renewal fee for the year 2016-17.
  - v. Tenders will be issued to the contractors in their specified fields as per PEC license and approved by IUB.
- 3) The tenders will be issued, received and opened as per following schedule:-
  - i. Date of Issuance of tender upto 06-02-2017 (during office hours)
  - ii. Date of Receiving 08-02-2017 (upto 11:00 AM)
  - iii. Date of Opening 08-02-2017 (at 11:30 AM)
  - iv. In case of holiday next date of working day will be considered.
- 4) Tenders will be opened by Tender opening committee in the office of Senior Project Director (works) at Abbasia Campus in the presence of contractors/their authorized representatives.
- 5) The Competent Authority, the Islamia University of Bahawalpur may reject all bids or proposal at any time prior to the acceptance of a bid or proposal as per PPRA rules.

# The Islamia University of Bahawalpur

## Extension of External **Electrical** Distribution System of Baghdad-ul-Jadeed Campus

MRS: 1ST July TO 31ST December, 2016

No.	Ref	Description	Quantity		Unit Rate	Unit	Amount
<b>A-1</b>							
<b>Civil Work (Schedule)</b>							
1	3/10	Earthwork excavation in irrigation channels, drains, etc. to designed section, grades and profiles, excavated material disposed off and dressed within 50 ft. (15 m) lead.	12000.00	Cft		%0 Cft	
2	6/5-f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	1700.00	Cft		%Cft	
					<b>Total of</b>	<b>A-1</b>	
<b>A-2</b>							
<b>Electrical Work (Schedule)</b>							
1	24/57	Supply and erection of shackle insulator, medium size	340.00	No		Each	
2	24/62	Supply and erection of all aluminum stranded hard drawn bare conductor, of size 7/3.099 mm (7/0.122")	50000.00	Rft		Per Rft	
3	24/63	Supply and erection of street light pole bracket 30 mm (1¼") G.I. pipe 2 metre long, complete with 2 No. pole clamp	60.00	No		Each	
4	24/4 (III)	Supply and erection of PVC pipe for wiring on surface including clamps inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials:	100.00	Rft		Per Rft	
25 mm i/d							
5	24/10	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only) 250/440 volts PVC insulated:					
			i) 7/0.74 mm (7/0.029")	1350.00	Rft	Per Rft	
			ii) 7/1.63 mm (7/0.064")	250.00	Rft	Per Rft	
6	24/18-a(iii)	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles etc double pole 60/65 Amp	5.00	No		Each	
					<b>Total of</b>	<b>A-2</b>	
<b>B-1</b>							
<b>Electrical Work (Non-Sechedule)</b>							
1	N.S	Manufacturing and erection of galvanized angle iron lattice steel structure HT pole of size 34'-8" long using high tensile steel angle 1¼"x1¼"x3/16" with MS angle iron and 1"x1"x½" and flat iron 2"x½" bracing, weighing 200±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	60.00	No		Each	
2	N.S	Manufacturing and erection of galvanized angle iron lattice steel structure LT pole of size 30'-8" long using high tensile steel angle 1¼"x1¼"x3/16" with MS angle iron and 1"x1"x½" and flat iron 2"x¼" bracing, weighing 150±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	10.00	No		Each	
3	N.S	Supply & installation of Creosoted Wooden cross arm on steel structure pole with galvanized steel bracing & bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	85.00	No		Each	
4	N.S	Supply & Installation of 11KV Disc Insulator i/c aluminum alloy Dead end clamp and any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	64.00	No		Each	
5	N.S	Supply & Installation of 11KV Pin Insulator i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	235.00	No		Each	
6	N.S	Supply & erection of ACSR Dog (118.5 mm <sup>2</sup> ) Conductor (Aluminum Conductor Steel Reinforced) for overhead 11 KV Lines i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	25000.00	Rft		Per Rft	
7	N.S	Supply & Installation of Stay wire set i/c all accessories such as 'U' clamp, Rod & concrete block etc and any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	15.00	No		Each	
8	N.S	Supply & Installation of Die-cast aluminum LED Street light (27W, 240V, IP66, IK08 certified) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Phillips BRP210/Streetstar or equivalent)	60.00	No		Each	

9	N.S	Supply & installation of 11-KV Dropout Fuse assemblies Set i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	2.00	No		Each	
10	N.S	Supply and installation of Double pole Plate Farm for 200KVA Transformer (Rs.Joist size 4"x8" with cross, welding, nut bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	2.00	No		Each	
					<b>Total of</b>	<b>B-1</b>	

**The Islamia University of Bahawalpur**  
**Construction of Boys Hostel Sub Campus at Rahim Yar Khan**  
**Estimate**

MRS July-Dec, 2016 RYK

No.	Ref	Description	Quantity	Unit Rate	Unit	Amount
1	NS	<b>Civil Work (Non-Schedule)</b> Providing and fixing windows consisting of M.S. box section frame 3"x1½", leaves frame 1-1/4"x1" box section frame for glazing 1/2"x1/2" using 16 SWG sheet 'U' shaped rubber supported with 1"x1/4" M.S. flat for fixing 3/16" (5 mm) thick coloured tinted glass panes 1/2" dia M.S. bar fixed in channel i/c two pair of 1" dia M.S round wheel for sliding of leaves.M.S. box section 1/2"x1/2" of 16 SWG for fixing 24 SWG wire gauze on 'outer side by means of 1"x1/4" M.S. flat and screws I/C all C.P. fitting and painting 3 coats complete in all respect & as approved by the Engineer	2520.62	Sft	P/Sft	
2	NS	Making and erecting in position MS Grill of MS Box pipe 1/2"x1/2", 18 SWG complete in all respects and duly painted as approved by the engineer in charge.	3543.95	Sft	P/Sft	
3	NS	Providing & Laying 3/4" Thick marble floor Boticina marble (fancy), size 12"x12"x3/4" of approved quality including PCC 1:2:4, 1.5" thick & 1:2 cement (Sulphate Resistant Cement) sand mortar 3/4" thick for laying of marble tiles i/c chemical polishing, rubbing & grinding complete as per drawing, design & pattern as approved by the Engineer-in-Charge.	23316.59	Sft	P/Sft	
4	NS	Providing & Laying 3/8" thick marble dado or skirting (fancy) buticina/lasbela of approved quality (size 12"x6"x3/8"), 1:2 cement (Sulphate Resistant Cement) sand mortar 3/8" thick for laying of marble tile including chemical polishing, rubbing & grinding complete as per drawing, design & pattern as approved by the Engineer-in-Charge.	3376.31	Sft	P/Sft	
5	NS	Providing and fixing 3/4" thick laminated Board shutter with 3/4" x 3/4" deodar wood beading wardrobe frame 3"x1.5" M.S Box pipe 18 SWG including tower bolts on top & bottom lock 808, hinges, 3-coat painting complete in all respects including aluminum hanger rod etc. as approved by the Engineer In charge.	7849.80	Sft	P/Sft	
6	NS	Providing & laying 1/4" thick colored mat tile 12"x12" size for floor of Master, Shabeer i/c laid in white cement & pigment and on a bed of cement concrete 1" thick 1:2:4 & 3/4" thick cement (Using Sulphate Resistant Cement) sand mortar 1:2 complete in all respects as approved by the engineer incharge.	2894.41	Sft	P/Sft	

7	NS	Providing & laying 1/4" thick coloured glazed tile 12"x18", 10"x13" size for dado/skirting of Master, Shabeer laid in white cement & pigment including 3/4" thick cement sand mortar 1:2 (Using Sulphate Resistant Cement) complete in all respects as approved by the engineer incharge.	7059.13	Sft		P/Sft
8	NS	Providing & Fixing uPVC door 1.25" thick wooden colour i/c hinges kik plate, door handle with locking arrangement complete in all respects.	734.76	Sft		P/Sft
9	NS	Providing & laying 3/4" thick marble slab Boticina/Lasbela of approved quality size 1'x2'x3/4" including (rounding of corner) and 1:2 cement (Sulphate Resistant Cement) sand mortar for laying of marble tiles 3/4" thick i/c chemical polishing, rubbing & grinding complete as per drawing, design & pattern as approved by the Engineer-in-Charge.	1361.11	Sft		P/Sft
10	NS	Providing & Fixing Cabnet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & patern as approved by the 'engineer incharge.	80.82			P/Sft
11	NS NS	a) For Kitchen cabinet down portion b) For Kitchen cabinet Upper portion	62.90	Sft		P/Sft P/Sft
12	NS	Providing and fixing 1½" (40mm) thick deodar wood panelled and glazed in special design door , best quality, with Tower bolt 3' Length, Tower bolt 12" Length in Bottom, Handle 12" (150mm) special, Sliding Bolt brass 18" Special Quality italian design and vax polishing etc ,complete in all respects as design, drawing and as approved by the Engineer Incharge.	68.51	Sft		P/Sft
	NS	Providing, Laying & Fixing of 2" thick Diamond Jumbolon Roll in Roof insulation complete in all respects as approved by the engineer incharge.	30750.00	Sft		% Sft
					Sub Total	

No.	Ref	Description	Quantity	Unit Rate	Unit	Amount
1	(i)	<b>Electrical Work (Non Schedule Items)</b> L.T. Switch geer LT Panel Supply, installation and commissioning of LT-Panel made of sheet steel 14 SWG, totally enclosed, indoor in free standing design including all auxiliaries, internal wiring from MCCBS terminating on cable terminals blocks installed at the top of LT-PANEL, designation labels of all incoming and outgoing feeders as shown on the drawings, earthing bar, neutral bar, suitable for system voltage 415 V, 50 Hz, 3 Phase, neutral and earthing bus bars 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 in accordance with the latest BS codes and conforming to single line diagram. rated current of Main & Neutral Bus Bar rated at 50 degree				

		All Breakers to be installed shall be of one make only and not moisture of two manufacturers. Make MG. (Made in France), Mitsubishi and Terasaki (Made in Japan / Spain) ABB, Legrand, GE / AEG (Made in Italy). Rated current of ACB & MCCB 50 degree centigrade Icu not less than 20 KA for incoming, outgoing Breakers and for busbar installed in the panel. Front & Rear open able doors. shop drawings shall be submitted by the manufacture for Approval to consultant before starting Fabrication of all Main Panel Board, Sub Main Panel Board Motor control center and Light, pore distribution boards. Icu=lcs for all incoming, outgoing Breakers.				
(ii)		Incoming 1-400amp, TP, MCCB,				
(iii)		3-Phase indication lamps of colour Red, yellow, and Blue or green ion incoming 1-Diigital Voltmeter scales 0-500 V with phase selector switch. 3-400/5 Amps CTs. Make Revalco Italy accuracy class 0.5. 1-Digital voltmeter 0-500 volts with phase selector switch. 1-Digital Ampr meters 0-400 Amps.	1.00	No		Each
2	NS	<b>Distribution Board</b> Supply, installation, connection of wires cables, and commissioning of distribution boards concealed type or to be installed on wall, made of 16 SWG M.S. sheet with hinged door, handle, catcher, earthing bar and neutral link with necessary holes, nuts, bolts, washers, earthing of DB door with braided copper internal wiring, PVC cable glands for incoming and out going wires / cables, 2 earthing terminals designation label engraved on plastic sheet of appropriate size to be pated on the front side of DB, 3 Phase indicaion lamps of colour red, yellow, blue, make hager, Lagrand (France) SV122 SV128 SV126 moulded case circuit breaker with overload and short circuit protection (MCCB) to be installed on the incoming side, Icu not less than 10 KA, and for miniature circuit breakers Icu 6 KA make  a) DB-G1, G3, Incoming 1-40 Amps TP MCCB Outgoing 24-10/15 Amps SP MCBs Icu not less than 6 KA.				
	NS	3-Provision of space for future MCBs ii) DB-GL2,FL2,SL2, <b>incoming</b> 1-40 Amps TP MCCB <b>Outgoing</b> 21-10/15 Amps SP MCBs Icu not less than 6 KA.	6.00	No		Each
3	NS	3-Provision of space for future MCBs Providing and fixing Energy saver 23 watt ( Philips / Orient ) complete in all respects i/c fixing at site as approved & directed by the Engineer Incharge	3.00	No		Each
4	NS	Providing & Fixing of kit type switches & Sockets fixed on plastic sheet & plastic board (Make Lear China) complete in all respects and as approved by the Engineer Incharge.	403.00	No's		Each
(i)	NS	<b>6 Switch &amp; 2-socket</b>	57.00			Each
(ii)	NS	<b>5 Switch &amp; Socket</b>	9.00			Each
(iii)	NS	<b>4 Gang Switch</b>	8.00			Each

(iv)	NS	<b>4 Switch &amp; 2-socket</b>	6.00			Each
(v)	NS	<b>7 Switch &amp; socket</b>	8.00			Each
vi	NS	<b>8 Gang Switch</b>	4.00			Each
vii	NS	<b>8 Switch &amp; Socket</b>	3.00			Each
viii	NS	<b>9 Switch &amp; Socket</b>	7.00			Each
ix	NS	<b>3 Switch &amp; Socket</b>	4.00			Each
x	NS	<b>Light Plug</b>	55.00			Each
xi	NS	<b>Power Plug</b>	148.00	No's		Each
5	NS	Supply & installation of ceiling fan 56" sweep make (Royal/ Pak Fan/ Asia) i/c Fan Dimmer complete in all respects and as approved by the Engineer Incharge.	99.00	No's		Each
6	NS	Providing & Fixing of Golden Electric Pump (mono block) for Water supply including connection & testing with MS Steel safety box for electric pump, complete in all respects and as approved by the Engineer Incharge.				
	NS	a) 2.5 to 3 H.P GoldenPump	1.00			Each
	NS	a) 2 H.P GoldenPump	2.00	Nos		Each
7	NS	Manufacturing and erection of galvanized angle iron lattice steel structure pole of size 34'-8" long using higriron and 1"x1"x1/8" and flat iron 2"x1/8"bracing, tensile steel angle 1.3/4"x1.3/4"x3/16" with MS angle weighing 200±3%kg , complete in all respect as directed and approved by the Engineer incharge	1.00	No.		Each
8	NS	Supply & Installation Stay wire set including all accessories required at site complete in all respect as approved by the engineer in charge.	1.00	No.		Each
9	NS	Supply, installation, commissioning and testing of the earthing system including cost of the following 3/4" 3 meter long copper rod as earth electrode up-to water level including cost of boring and lowering complete with clamp and 1x70 mm <sup>2</sup> stranded copper conductor from copper rod to ground surface in 1-1/2" uPVC pipe class D with watering cap manhole with cover as per detail complete in all respects and as approved by the engineer Incharge.	1.00	No.		Each
10	NS	Providing & Fixing Exhaust Fan 12" size in Plastic body complete in all respects and as approved by the Engineer Incharge.	15.00	No.		Each
						Sub Total

No.	Ref	Description	Quantity	Unit Rate	Unit	Amount
1		<b>Plumbing Work (Non Schedule Items)</b> Providing, laying, fixing and testing uPVC plain ends socketed pipes Soil Waste, vent & rain water as per approved make & quality including uPVC (Unplasticsized Polyvinyl chloride) fittings with solvent cement jointing or rubber ring joints complete in all respects including clamps, tees, Y-tees, Cowl reducers, clean out WC- Elbow Adopter etc. complete in all respects (Dadex, Beta or Equalent.				
2	NS	4" dia Pipe	1961.22	Rft	P/ Rft	
	NS	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipeline for hot & cold (Polypropylene random copolymer) water supply complete in all respects, i/c specials such as coupler, reducing socket, elbow, end caps, male/female, threaded, fittings, like tease, adaptors to connect polydex pipes to other pipe and shower, wash basin, bibcock etc. as required at site (For internal wiring of bathrooms)				
	NS	i) 1/2" i/d (25 mm o/d)	592.82		P/ Rft	
	NS	ii) 3/4" i/d (32 mm o/d)	1495.22	Rft	P/ Rft	

3	NS	Providing & Fixing counter basin coloured best quality including waste pipe and waste coupling etc as approved by the engineer in charge.	20.00	Nos	Each
4	NS	Providing & Fixing Muslim shower with double bib cock with one meter flexible pipe complete unit in function and as directed by the engineer in charge. (Master or Equalent)	6.00	Nos	Each
5	NS	Providing & Fixing wall shower set complete in all respects as approved by the Engineer Incharge. (Dilawar Glaxy or Equalent)	26.00	Nos	Each
6	NS	Providing & Fixing super Tuff Imported quality Water Tank 1000 Gallon capacity placing on the top of roof of Girls hostel Building including Treatment with Jumbolan arrangement for Heat & Cold proofing & in working condition complete in all respects and as approved by the Engineer Incharge.	4.00	Nos	Each
7	NS	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipeline (Beta/Dadex/Minhas) 63mm o/d for hot & cold (Polypropylene random copolymer) water supplyline, complete in all respects, i/c specials such as coupler, reducing socket, elbow, endcaps, male/female, threaded, fittings, like teese, adoptors to conect polydex pipes to other pipes, Complete in all respects, as approved by the engineer incharge.	1165.00	Rft	P/ Rft
8	NS	Providing, laying, cutting, jointing, testing and disinfecting Polyethylene 90mm Dadex/BBJ/Beta pipe (PE-100, PN-10) for main service connection complete in all respects, i/c specials such as coupler, reducing socket, elbow, endcaps, male/female, threaded, fittings, like teese, adaptors to connect the Polyethylene pipes to other pipe etc. as required at site and in all respects as approved by the Engineer-in-charge.	1005.00	Rft	P/ Rft
9	NS	P/F Looking glass imported quality complete in all respect and as approved by the Engineer Incharge.	142.00	Sft	P/ Sft
10	NS	Providing & fixing floor trap Jali plastic	38.00	No	Each
11	NS	Providing & fixing floor trap Jali Stainlessteel	40.00	No	Each
12	NS	Providing & Fixing steel bowl complete including waste Coupline etc. complete in all respect as approved by the engineer in charge.	5.00	No	Each
13	NS	Providing & Fixing Stop valve PPRC 50mm complete in all respects as approved by the Engineer Incharge.	6.00	No	Each
	NS	a.63 mm o/d	2.00	No	Each
	NS	b.32 mm o/d			Each
					<b>Sub Total</b>

**The Islamia University of Bahawalpur**

**Construction of Admin Block of IUB Sub Campus Rahim Yar Khan**

MRS, July, 2016 to Dec, 2016 RYK

No.	Ref	Description	Quantity	Rate	Unit	Amount
		<b>Civil Work (Non Schedule)</b>				
1	N.S	Providing and fixing windows consisting of M.S. box section frame 3"x1½", leaves frame 1-1/4"x1" box section frame for glazing 1/2"x1/2" using 18 SWG sheet 'U' shaped rubber supported with 1"x1/4" M.S. flat for fixing 3/16" (5 mm) thick coloured tinted glass panes 1/2" dia M.S bar fixed in channel i/c two pair of 1" dia M.S round wheel for sliding of leaves.M.S. box section 1/2"x1/2" of 18 SWG for fixing 24 SWG wire gauze on 'outer side by means of 1"x1/4" M.S. flat and screws I/C all C.P. fitting and painting 3 coats complete in all respect & as approved by the Engineer	4,304.50	Sft	P/Sft	
2	N.S	Making and erecting in position MS Grill of MS Box pipe 1/2"x1/2", 18 SWG complete in all respects and duly painted as approved by the engineer in charge.	4,304.50	Sft	P/Sft	
3		Providing & Fixing kitchen cabinet consisting of lamination board 3/4" thick for leaves,MS Box frame size 3" x 3/4" Gola for leaf size 3/4" x 3/4" , including sprit polish for gola and to other wood work of the cabinet, with all requisite hard ware fittings as per drawing, & pattern complete in all respects as approved by the Engineer In-Charge.				
	N.S	a) For Kitchen cabinet down portion	625.00	Sft	P/Sft	
	N.S	b) For Kitchen cabinet Upper portion	50.00	Sft	P/Sft	
4	N.S	Construction of Dome of fiber glass sheet comprising on coloured fiber glass 4mm thick sheet for upper portion and off-white fiber glass sheet 4mm thickness for lower portion, where as whole dome shall have the supports of 1 1/4" & 1 1/2" square MS pipes of 16 gauge laid in curvature as of dome, including hoisting & placing on the already prepared base of octagon shape, with MS square pipe of suitable section as base of dome & with steel plate 3mm thick for connecting rawal bolts etc & painting etc, complete as per approved drawing of dome for academic block and	571.50	Sft	P/Sft	
5	N.S	P/L 3/8" thick dado or skirting buticina / lasbela marble (fancy) of approved quality (size 12"x6"x3/8"), 1:2 cement (Using Sulphate Resistant Cement) sand mortar 3/8" thick for laying of marble tile including chemical polishing rubbing and grinding complete in all respects as approved design and petren and as directed by the engineer in charge.	610.00	Sft	P/Sft	
6	N.S	Providing & Laying 3/4" Thick marble floor Boticina marble (fancy), size 12"x12"x3/4" of approved quality including PCC 1:2:4, 1.5" thick & 1:2 cement (Using Sulphate Resistant Cement) sand mortar 3/4" thick for laying of marble files i/c chemical polishing, rubbing & grinding complete as per drawing, pattern and in all as approved by the Engineer-in-Charge.	8,748.00	Sft	P/Sft	
7	N.S	Providing & laying 3/4" thick marble slab on steps (Boticina/ Fancy) of approved quality size 1'x2'x3/4" including (rounding of corner) and 1:2 cement (Using Sulphate Resistant Cement) sand mortar for laying of marble tiles 3/4" thick i/c rubbing grinding and chemical polishing, complete in all respects as per specifications and drawings and as approved by the Engineer In charge.	625.00	Sft	P/Sft	
8	N.S	Providing & laying 1/4" thick coloured mat tile 12"x12" size for floor of Master, Shabeer i/c laid in white cement & pigment and on a bed of cement (Using Sulphate Resistant Cement) concrete 1" thick 1:2:4 & 3/4" thick cement sand mortar 1:2 complete in all respects as approved by the engineer in charge.	449.00	Sft	P/Sft	
9	NS	Providing & laying 1/4" thick coloured glazed tile 12"x18", 10"x13" size for floor & tile 12"x18", 10"x13" size for floor & dado / skirting of Master, Shabeer i/c laid in white cement & pigment and on a bed of 3/4" thick cement (Using Sulphate Resistant Cement) sand mortar 1:2 complete in all respects as approved by the engineer in charge.	1,116.00	Sft	P/Sft	



10	N.S	Providing and fixing 3/4" thick laminated Board shutter with 3/4" x 3/4" deodar wood beading wardrobe frame 3"x1.5" M.S Box pipe 18 SWG including tower bolts on top & bottom lock 808, hinges, 3-coat painting complete in all respects including aluminum hanger rod etc. as approved by the Engineer In charge	96.00	Sft		P/Sft
11	N.S	Providing/Using Sulphate Resistant Cement instead of Ordinary portland Cement. Where mentioned in MRS Items. (Difference in cost of OPC & SRC)	12,000.00	Bag		P/Bag
12	N.S	Providing and fixing upvc door complete & as approved by the Engineer In charge.	84.96	Sft		P/Sft
13	N.S	Providing, Laying & Fixing of 1" thick Diamond Jumbolon Roll in Roof insulation complete in all respects as approved by the engineer incharge.	4,896.00	Sft		%Sft
14	N.S	Providing & laying in position Pre-cast concrete grey tuff tiles of Izhar / Envicrete Tuff Tile Pvt. Ltd. or equivalent approved brand 7000 PSI, 60 mm thick sand grouted laid over 4" thick sand filling 4" thick PCC 1:6:12 stone of brick ballast and 2" thick sand cushion, as design & pattern and approved by the engineer incharge	2,215.00	Sft		P/Sft
15	N.S	Providing & laying in position Pre-cast concrete coloured tuff tiles of Izhar / Envicrete Tuff Tile Pvt. Ltd. or equivalent approved brand 7000 PSI, 60 mm thick sand grouted laid over 4" thick sand filling 4" thick PCC 1:6:12 stone of brick ballast and 2" thick sand cushion, as design & pattern and approved by the engineer incharge	800.00	Sft		P/Sft
16	N.S	Providing,Laying,Placing & Finishing two coats of wall putty (ICI,Burger,Brighto,Master) on finished plastered surfaces complete in all respects as deirected & approved by the engineer incharge	64,730.00	Sft		% Sft
17	N.S	Providing & Fixing Stainless steel railing vertical pipe 2½" dia 4' center to center, horizontal pipe 2½" dia on top railing and 3 No's horizontal pipes brassing 1" dia, fixed to the base with rawal bolts, vertical post to be covered with stainless steel plate complete in all respects & as approved by the Engineer Incharg.	200.00	Rft		Per Rft
						<b>Total of (iv)</b>

**Electric Work (Non Schedule)**

1	NS	<b>Distribution Board</b> Supply, installation, connection of wires cables, and commissioningof distribution boards concealed type or tobe installed on wall, made of 16 SWG M.S. sheet with hinged door, handle, catcher, earthing bar and neutral link with necessary holes, nuts, bolts, washers, earthing of DB door with braided copper internal wiring, PVC cable glands for incoming and out going wires / cables, 2 earthing terminals designation label engraved on plastic sheet of appropriate size to be pated on the front side of DB, 3 Phase indicaion lamps of colour red, yellow, blue, make hager, Lagrand (France) SV122 SV128 SV126 moulded case circuit breaker with overload and short circuit protection (MCCB) to be installed on the incoming side, lcu not less than 10 KA, and for miniature circuit breakers lcu 6 KA make M.G., Legrand (Frnace), ABB (Italy) Terasaki (Japan), G.E, having overload andshort circuit protection, including cost of all necessary fixing accessories complete in all respects. <b>a) DB-G1, G3,</b> <b>Incoming</b> 1-60 Amps TP MCCB <b>Outgoing</b> 24-10/15 Amps SP MCBs lcu not less than 6 KA. 3-Provision of space for future MCBs	1.00	No.		Each
1	NS	<b>d) DB-CF1,</b> <b>incoming</b> <b>1-30 Amps TP MCCB</b> <b>Outgoing</b> <b>9-10/15 Amps SP MCBs lcu not less than 6 KA.</b> <b>3-Provision of space for future MCBs</b>	6.00	No		Each

1.1	NS	<b>a) SMSB-2</b> <b>Incoming</b> <b>1-630 A TP MCCB</b> <b>3-Phase indication lamps of colour Red, Yellow, and Blue or green on incoming</b> <b>1-Digital voltmeter scales 0-500 V with phase selector switch</b> <b>3-600/5 Amps CTs. Make Revalco Italy accuracy class 0.5.</b> <b>1-Digital Ampere meter 0-500 Amps.</b> <b>Outgoing</b> <b>4-60 Amps TP MCCB.</b> <b>2-30 Amps TP MCCB.</b> <b>2-40 Amps TP MCCB.</b> <b>2-60 Amps TP MCCB. (Provision Only).</b>	1.00	No		Each
1.1	NS	Providing & Fixing main power panel board for air conditioner comprising of 1 No bus bar 100 Amp. T.P MCCB, NF 125EV Mitsubishi , 4 No 60 Amps P MCCB NF 63 HE 9 NO. 20/25 Amp. Single phase MCCB 3 Phase indication lamps red, yellow, green or blue and cost of wiring thimble complete in all respects as approved by the engineer incharge	1.00	No		Each
<b>Sub Total Part-1 Rs.</b>						
<b>Part-2</b>						
2.01	NS	Supply and Installation of plastic body 12" dia exhaust fan complete with louvered make Royal / Younus /Asia / Pak Fan / Breeze all complete as per specifications and drawings.	4.00	NO		Each
2	NS	Supply & Installation of ceiling fan 56" sweep make Royal / Pak Fan Younus/ Asia i/c fan dimmer complete in all respect as approved by the Engineer Incharge.	50.00	NO		Each
2	NS	Providing & Fixing Fan hook papular or equilant quality with PVC fan hook cover sheet 8" dia	65.00	NO		Each
2	NS	Supply & Installation of ceiling fan 48" sweep make PAK/YOUNUS/GFC Climax / Asia complete in all respect.	15.00	NO		Each
2.1	NS	Supply & fixing energy saver blub 23 watt	80.00	NO		Each
2.1	NS	Supply and erection of powers plug 20 Amp Bosh/ Hero company for Air conditioners best quality as approved by the engineer incharge	20.00	NO		Each
2.1	NS	Supply & Installation Led Flud Light 100 watt approved quality including Casing, bracket, hanging arrangment complete in all respects as approved by the engineer Incharge.	2.00	No		Each
<b>Sub Total Part-2 Rs.</b>						
<b>Part-3</b>						
3.01	NS	<b>Earthing System</b> <b>Earthing System</b> Supply, Installation, commissioning and testing of the earthing system including cost of the following 3/4" 3 meter long copper rod as earth electrode up-to water level including cost of boring and lowering complete with clamp and 1 x 70mm <sup>2</sup> stranded copper conductor from copper rod to ground surface in 1-1/2" u PVC pipe class D with watering cap manhole with cover as	1.00	Nos.		Each
3.02	NS	<b>Earth Connecting Points (ECP).</b> Supply, installation, of earth connecting points consisting of copper plate 12" long, 2" wide and 1/2" thick to be installed as and where shown on drawings on the wall of trenches, complete with fixing arrangement, brass nuts bolts complete in all respects to facilitate connections of incoming copper strips and	1.00	Nos.		Each
<b>Sub Total Part-3 Rs.</b>						
<b>GRAND TOTAL (Part 1 to 3)</b>						
<b>Plumbing Work (Non-Schedule)</b>						
1		Providing, laying, cutting, jointing, testing and disinfecting PPRC pipeline (Dadex/Beta) for hot & cold (Polypropylene random copolymer) water supplyline, complete in all respects, i/c specials such as coupler, reducing socket, elbow, endcaps, male/female, threaded, fittings, like teese, adoptors to conect polydex pipes to other pipe and shower, wash basin, bibcock etc. as required at site (For internal				
	N.S	i) 1/2" i/d (25 mm o/d)	250.00	Rft		Per Rft
	N.S	ii) 3/4" i/d (32 mm o/d)	200.00	Rft		Per Rft

2	N.S	Providing, laying, fixing and testing uPVC plain ends socketed pipes Soil Waste, vent & rain water as per approved make & quality including uPVC (Unplasticized Polyvinyl chloride) fittings with solvent cement jointing or rubber ring joints complete in all respects including clamps, tees, Y-tees, Cowl reducers, clean out WC- Elbow Adopter etc. complete in all respects. (Dadex, Beta or Equalent)				
		i) 3" dia pipe	135.00	Rft		Per Rft
		ii) 4" dia Pipe	250.00	Rft		Per Rft
3	N.S	Providing, laying, cutting, jointing, testing and disinfecting Polyethylene pipe 2" dia for main service connection complete in all respects, i/c specials such as coupler, reducing socket, elbow, end caps, male/female, threaded, fittings, like tease, adaptors to connect the Polyethylene pipes to other pipe etc. as required at site.	150.00	Rft		Per Rft
4	N.S	Providing & fixing floor trap Jali plastic	6.00	No		Each
6	N.S	Providing & Fixing Muslim shower with double bib cock with one meter flexible pipe complete unit in function and as directed by the engineer in charge. (Master or Equalent)	5.00	No		Each
7	N.S	Providing & Fixing wall shower set complete in all respects as approved by the Engineer Incharge. (Dilawar Glaxy or Equalent)	5.00	No		Each
9	N.S	Providing & Fixing Looking Glass imported quality, complete in all respects and as approved by the Engineer Incharge.	148.00	Sft		P/Sft
					<b>TOTAL (vi)</b>	

**The Islamia University of Bahawalpur**  
**Construction of Girls Hostel Sub Campus at Rahim Yar Khan**  
**Estimate**

MRS July-Dec, 2016 RYK

No.	Ref	Description	Quantity	Rate	Unit	Amount
1	3/21-b	Excavation in foundation of building, bridges and other structures including dag-belling, dressing, refilling around structure with excavated earth, watering and ramming lift upto 5 Ft. - Ordinary Soil	59622.68	Cft	%oCft	
2	26/42	Spraying anti-termite liquid mixed with water in the ratio of 1:40 as approved by the Engineer Incharge.	65939.76	Sft	% Sft	
3	26/37-ii	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. ii) 500 gauge (.005" thick)	69476.72	Sft	P/ Sft	
4	6/5-i	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	8998.36	Cft	%Cft	
5		Fabrication of M.S. Reinforcement for cement concrete including bending, laying in position, making joints and fastening i/c cast of binding wire and labour charges for bending of steel reinforcement also includes removal of rust from bars -				
	6/9-c	Deformed Bars ( 60-Grade )	141562.20	Kg	%Kg	
	6/9-b	Deformed Bars ( 40-Grade )	27993.26	Kg	%Kg	
6	6/6 a-(ii)	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)(ii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) used harrow sand & Sulphate Resistant Cement.	13839.84		P/Cft	
7	6/6 a-(i)	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 in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- i) (nominal mix 1: 1½: 3) used harrow sand.	27953.60	Cft	P/Cft	
8	13\9-i	Bitumen coating to plastered or cement concrete surface:- iii) 10 lbs. per 100 Sft. (4.54 Kg per Sq.m)	22562.27	Sft	% Sft	
9	7/4-i	Pacca Brick Work in foundation and plinth in Cement Sand Mortar --- Ratio (1:6) (Using Sulphate Resistant Cement).	22178.83		%Cft	

10	3/15-ii + 3/17-a	Filling, watering and ramming earth under floors:- with new earth excavated from outside, lead upto one chain (30 m). upto ¼ mile (400 m). for every 330 ft. (100 m) additional lead or part thereof, beyond ¼ mile (400 m) upto one mile.	272431.91	Cft	%Cft
11	3/15-i	Filling, watering & ramming earth under floors with surplus earth from foundation etc -	32390.38	Cft	%Cft
12	6/33	Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), including bitumen coating:- (a) with one coat bitumen and one coat polythene sheet 500 gauge. 'i) 1½" thick (40 mm)	3519.11	Sft	% Sft
13	6/32-a	Providing and fixing thermopore (foamed polythene) sheet in horizontal and vertical expansion joints: a) 1" (25 mm) thick thermopore sheet.	1852.00	Sft	P/Sft
14	12/14-a	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:- a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)	4289.40	Sft	P/Sft
15	6/6-a-i	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 in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (2) Type B (nominal mix 1: 2 : 4) used harrow sand.	1765.27	Cft	P/Cft
16	7/5-i	Pacca B/Work in Cement Sand Mortar, (1:5) Ground floor	29295.92	Cft	%Cft
17	7/21-ii	First class brick walling laid in 1:3 cement sand mortar, reinforced with 1" (25 mm) wide 18 gauge hoop iron:- ii) 4½" (113 mm) thick walling with hoop iron. bonding 12" (300 mm) apart.	9168.51	Sft	% Sft
18	11/10-b	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	41793.20	Sft	% Sft
19	11/9-b	Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick	112084.18	Sft	% Sft
20	6/35-ii b	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge: ii) Ratio 1:3 'b) ¾ " thick (20 mm)	1104.14	Sft	% Sft
21	7/30	Supplying and filling sand under floor; or plugging in wells.	10164.77	Cft	%Cft
22	6/2	Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge.	11846.28	Cft	%Cft

23	9/5	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded. It also includes the laying of 1" thick thermopre sheet and a lyer of polythene sheet etc. ii) 500 gauge (.005" thick)	26,620.85	Sft	% Sft
24	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	44.00	No	Each
25	21/1-iii	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. i) i/d 9"	1,041.67		Per Rft
26	21/3-i	Providing and laying R.C.C. pipe sewers, moulded with ditto cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete. i) 310 mm (12" ) i/d	168.00	Rft	Per Rft
27	6.008 Input	Providing/Using Sulphate Resistant Cement instead of Ordinary Portland Cement. Where mentioned in MRS Items. (Difference in cost of OPC & SRC)	7607.17	Bag	P/Bag
28	7/9	Extra labour for arch work in brick masonry, including labour for centering and decent ring.	349.14	Cft	% Cft
29	12/55	Providing and fixing G.I. wire gauze 22 SWG, 12x12 'meshes per square inch, (5x5 meshes in cm <sup>2</sup> ) fixed to steel window, complete with flat iron patti ½"x 1/8" (13 mmx3 mm) and machine made screws.	1446.80	Sft	P/ Sft
30	12/18-iv	Providing and fixing sliding bolt to doors:- iv) brass sliding bolt, 12" (300 mm) long	17.00	No	Each
31	12/50	Providing and fixing 1½" (40mm) thick solid flush 'door shutter sterling or equivalent with commercial 'ply (5 mm thick) on both sides double pressed and 'deodar wood lapping 1½"x3/8" (40mm x 10mm) 'around shutter including chromium plated fitting, iron hinges with aluminum kick plate 22 SWG on both 'sides & finger plate complete in all respect	1829.58	Sft	P/ Sft
32	10/42-a	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. a) 'Size 1½" x 3/8" (40 x 10 mm)	1614.00	Rft	Per Rft
33	10/15-e	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- (c) 2" thick	6771.64	Sft	% Sft
34	11/22	Priming coat of chalk under distemper.	29915.69	Sft	% Sft
35	11/23-iii	Distempering:- a) new surface:- iii) three coats	29915.69	Sft	% Sft
36	13/31	Preparing surface and painting with emulsion paint:- New surface 3-coats	93583.40	Sft	% Sft

37	25/10	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, 'tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position.	2621.36	Kg	%Kg	
38	25/11	Erection and fitting in position iron trusses, staging of water tanks, etc.	1282.07	Kg	%Kg	
39	9/2	Second class tile roofing consisting of 4" (100 mm) earth and 1" (25 mm) mud plaster with Gobri leeping over ½" (13 mm) thick cement plaster 1:6 with 34 lbs. per %Sft or 1.72 Kg/sq.m of hot bitumen coating sand blinded,provided over one layer of 12"x6"x2" (300x150x50 mm) tiles laid in 1:6 cement mortar, including 1:2 cement pointing underneath of tiles complete including curing, etc.	772.78	Sft	% Sft	
40	12/18-iii	Providing and fixing sliding bolt to doors:-brass sliding bolt, 10" (300 mm) long	77.00	Nos	Each	
41	13/32A	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: new surface: 3-Coats	33110.54	Sft	% Sft	
42	13/5-c	Painting new surface:- Preparing surface and painting of doors and windows any type (including edges):- 3-Coats	3934.32	Sft	% Sft	
43	10/39 a-ii	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3,including rubbing and polishing, complete with finishing: (a) using grey cement: ii) ½"(13 mm) thick	639.00	Sft	% Sft	
44	3/42-i	Earthwork excavation in open cutting for sewers and manholes 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	1007.73	Cft	%0 Cft	
45	6/3-b	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (d) Ratio 1: 4:8	477.72	Cft	% Cft	
46	7/4-i	Pacca brick work in foundation and plinth in:- Cement, sand mortar:- Ratio 1:3 for manholes	904.52	Cft	% Cft	
47	6/5-f	Cement concrete plain including placing,compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4	269.13	Cft	% Cft	
48	11/8-b	Cement plaster 1:3 upto 20' (6.00 m) height:- b) '½" (13 mm) thick	2164.76	Sft	% Sft	
49	12/44-a	Glazing with panes (16 oz. to 18 oz.,) including cost of putty.	478.09	Sft	P/Sft	
50	21/15	Providing and fixing 3" (75 mm) thick R.C.C. manhole 'cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	9.00	No.	Each	

51	13/5-c	Painting new surface:- Preparing surface and painting of doors and windows any type (including edges):- 2-Coats	16324.00	Sft		% Sft
52	25/34	Providing and fixing stair railing of 2½" (63 mm) i/d G.I. pipe, welded with 5/8"x5/8" (16x16 mm) square M.S. bars 2'-9" (838 mm) high, fixed in each step, complete in all respects, including painting, polishing three coats.	183.32	Rft		P/Rft
53	25/35	Providing and fixing terrace railing of 2" (50 mm) i/d conduit pipe 16 SWG, welded with 5/8"x5/8" (16x16 mm) square bar 2.75 ft. (838 mm) high fixed at 5" (125 mm) centre to centre, in reinforced cement concrete slab with suitable arrangement, complete in all respects, as per design and drawing.	41.43	Rft		P/Rft
54	12/21	Providing & Fixing approved quality mortice lock.	19.00	No's		Each
55	9/5	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded. It also includes layer of polythene sheet etc and excluding the laying of 1" thick thermopre sheet. ii) 500 gauge (.005" thick)	122.64	Sft		% Sft
56	6/24-ii	Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I. screw,1.5 in (40 mm) long to cover construction joints vertically ii) G.I. sheet, 18 SWG	1450.00	Rft		P/Rft
					<b>Sub Total</b>	

<b>Civil Work (Non-Schedule)</b>						
1	NS	Providing and fixing windows consisting of M.S. box section frame 3"x1½", leaves frame 1-1/4"x1" box section frame for glazing 1/2"x1/2" using 16 SWG sheet 'U' shaped rubber 'supported with 1"x1/4" M.S. flat for fixing 3/16" (5 mm) thick coloured tinted glass panes 1/2" dia M.S. bar fixed in channel i/c two pair of 1" dia M.S. round wheel for sliding of leaves.M.S. box section 1/2"x1/2" of 16 SWG for fixing 24 SWG wire gauze on 'outer side by means of 1"x1/4" M.S. flat and screws I/C all C.P. fitting and painting 3 coats complete in all respect & as approved by the Engineer	2520.62	Sft		P/Sft
2	NS	Making and erecting in position MS Grill of MS Box pipe 1/2"x1/2", 18 SWG complete in all respects and duly painted as approved by the engineer in charge.	3543.95	Sft		P/Sft
3	NS	Providing & Laying 3/4" Thick marble floor Boticina marble (fancy), size 12"x12"x3/4" of approved quality including PCC 1:2:4, 1.5" thick & 1:2 cement (Sulphate Resistant Cement) sand mortar 3/4" thick for laying of marble tiles i/c chemical polishing, rubbing & grinding complete as per drawing, design & pattern as approved by the Engineer-in-Charge.	23316.59	Sft		P/Sft
4	NS	Providing & Laying 3/8" thick marble dado or skirting (fancy) buticina/lasbela of approved quality (size 12"x6"x3/8"), 1:2 cement (Sulphate Resistant Cement) sand mortar 3/8" thick for laying of marble tile including chemical polishing, rubbing & grinding complete as per drawing, design & pattern as approved by the Engineer-in-Charge.	3376.31	Sft		P/Sft



5	NS	Providing and fixing 3/4" thick laminated Board shutter with 3/4" x 3/4" deodar wood beading wardrobe frame 3"x1.5" M.S Box pipe 18 SWG including tower bolts on top & bottom lock 808, hinges, 3-coat painting complete in all respects including aluminum hanger rod etc. as approved by the Engineer In charge.	7849.80	Sft		P/Sft
6	NS	Providing & laying 1/4" thick colored mat tile 12"x12" size for floor of Master, Shabeer i/c laid in white cement & pigment and on a bed of cement concrete 1" thick 1:2:4 & 3/4" thick cement (Using Sulphate Resistant Cement) sand mortar 1:2 complete in all respects as approved by the engineer incharge.	2894.41	Sft		P/Sft
7	NS	Providing & laying 1/4" thick coloured glazed tile 12"x18", 10"x13" size for dado/skirting of Master, Shabeer laid in white cement & pigment including 3/4" thick cement sand mortar 1:2 (Using Sulphate Resistant Cement) complete in all respects as approved by the engineer incharge.	7059.13	Sft		P/Sft
8	NS	Providing & Fixing uPVC door 1.25" thick wooden colour i/c hinges kik plate, door handle with locking arrangement complete in all respects.	734.76	Sft		P/Sft
9	NS	Providing & laying 3/4" thick marble slab Boticina/Lasbela of approved quality size 1'x2'x3/4" including (rounding of corner) and 1:2 cement (Sulphate Resistant Cement) sand mortar for laying of marble tiles 3/4" thick i/c chemical polishing, rubbing & grinding complete as per drawing, design & pattern as approved by the Engineer-in-Charge.	1361.11	Sft		P/Sft
10	NS NS	Providing & Fixing Cabnet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & patern as approved by the 'engineer incharge. a) For Kitchen cabinet down portion b) For Kitchen cabinet Upper portion	80.82 62.90	Sft		P/Sft P/Sft
11	NS	Providing and fixing 1½" (40mm) thick deodar wood panelled and glazed in special design door , best quality, with Tower bolt 3' Length, Tower bolt 12" Length in Bottom, Handle 12" (150mm) special, Sliding Bolt brass 18" Special Quality italian design and vax polishing etc ,complete in all respects as design, drawing and as approved by the Engineer Incharge.	68.51	Sft		P/Sft
12	NS	Providing, Laying & Fixing of 2" thick Diamond Jumbolon Roll in Roof insulation complete in all respects as approved by the engineer incharge.	30750.00	Sft		% Sft
						Sub Total
1		<b>Electrical Work (Schedule Items)</b> Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries,and repairing surface, etc., complete with all specials.				
(i)	24/3-ii	3/4" (20 mm) i/d	5078.95	Rft		P/ Rft
(ii)	24/3-iii	1" (25 mm) i/d	11060.06	Rft		P/ Rft
(iii)	24/3-vi	2" (50 mm) i/d	80.00	Rft		P/ Rft

2	24/49	Supply and erection of 3/8" (10 mm) dia <b>Plastic Coated</b> M.S. bar fan hook. placed at the time of casting of slab.	99.00	No		Each	
3		Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe / M.S. conduit / G.I. pipe / wooden strip batten / wooden casing an capping / G. I. wire / trenches (rate for cables only):- 250 / 440 Volts, PVC insulated:-					
	24/10a-i	3/0.74 mm (3/0.029")	9794.50			P/ Rft	
	24/10a-ii	3/0.91 mm (3/0.036")	31910.00			P/ Rft	
	24/10a-iii	7/0.74 mm (7/0.029")	16967.00			P/ Rft	
	24/10a-iv	7/0.91 mm (7/0.036")	1340.00			P/ Rft	
	24/10a-v	7/1.12 mm (7/0.044")	1975.00			P/ Rft	
	24/10a-vi	7/1.63 mm (7/0.064")	7272.00	Rft		P/ Rft	
4	24/13 d- viii	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-PVC insulated. PVC sheathed 4-core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG. 37/2.62 mm (37/0.103")	150.00	Rft		P/ Rft	
					Sub Total		
1	(i)	<b>Electrical Work (Non Schedule Items)</b> L.T. Switch gear LT Panel Supply, installation and commissioning of LT-Panel made of sheet steel 14 SWG, totally enclosed, indoor in free standing design including all auxiliaries, internal wiring from MCCBS terminating on cable terminals blocks installed at the top of LT-PANEL, designation labels of all incoming and outgoing feeders as shown on the drawings, earthing bar, neutral bar, suitable for system voltage 415 V, 50 Hz, 3 Phase, neutral and earthing bus bars 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 in accordance with the latest BS codes and conforming to single line diagram. rated current of Main & Neutral Bus Bar rated at 50 degree All Breakers to be installed shall be of one make only and not moisture of two manufacturers. Make MG. (Made in France), Mitsubishi and Terasaki (Made in Japan / Spain) ABB, Legrand, GE / AEG (Made in Italy). Rated current of ACB & MCCB 50 degree centigrade lcu not less than 20 KA for incoming, outgoing Breakers and for busbar installed in the panel. Front & Rear open able doors. shop drawings shall be submitted by the manufacture for Approval to consultant before starting Fabrication of all Main Panel Board, Sub Main Panel Board Motor control center and Light, pore distribution boards. lcu=lcs for all					
	(ii)	Incoming 1-400amp, TP, MCCB,					
	(iii)	3-Phase indication lamps of colour Red, yellow, and Blue or green ion incoming 1-Diigital Voltmeter scales 0-500 V with phase selector switch. 3-400/5 Amps CTs. Make Revalco Italy accuracy class 0.5. 1-Digital voltmeter 0-500 volts with phase selector switch.					
	NS	1-Digital Ampr meters 0-400 Amps.	1.00	No		Each	

2		<p><b>Distribution Board</b> Supply, installation, connection of wires cables, and commissioning of distribution boards concealed type or to be installed on wall, made of 16 SWG M.S. sheet with hinged door, handle, catcher, earthing bar and neutral link with necessary holes, nuts, bolts, washers, earthing of DB door with braided copper internal wiring, PVC cable glands for incoming and out going wires / cables, 2 earthing terminals designation label engraved on plastic sheet of appropriate size to be pasted on the front side of DB, 3 Phase indication lamps of colour red, yellow, blue, make Hager, Legrand (France) SV122 SV128 SV126 moulded case circuit breaker with overload and short circuit protection (MCCB) to be installed on the incoming side, lcu not less than 10 KA, and for miniature circuit breakers lcu 6 KA make M.G., Legrand (France), ABB (Italy) Terasaki (Japan), G.E, having overload and short circuit protection, including cost of all necessary fixing accessories complete in all respects.</p>				
		<p>a) DB-G1, G3, Incoming 1-40 Amps TP MCCB Outgoing 24-10/15 Amps SP MCBs lcu not less than 6 KA.</p>				
	NS	<p>3-Provision of space for future MCBs ii) DB-GL2,FL2,SL2, <b>incoming</b> 1-40 Amps TP MCCB <b>Outgoing</b> 21-10/15 Amps SP MCBs lcu not less than 6 KA.</p>	6.00	No		Each
	NS	<p>3-Provision of space for future MCBs</p>	3.00	No		Each
3	NS	<p>Providing and fixing Energy saver 23 watt ( Philips / Orient ) complete in all respects i/c fixing at site as approved &amp; directed by the Engineer Incharge</p>	403.00	No's		Each
4		<p>Providing &amp; Fixing of kit type switches &amp; Sockets fixed on plastic sheet &amp; plastic board (Make Lear China) complete in all respects and as approved by the Engineer Incharge.</p>				
(i)	NS	<b>6 Switch &amp; 2-socket</b>	57.00			Each
(ii)	NS	<b>5 Switch &amp; Socket</b>	9.00			Each
(iii)	NS	<b>4 Gang Switch</b>	8.00			Each
(iv)	NS	<b>4 Switch &amp; 2-socket</b>	6.00			Each
(v)	NS	<b>7 Switch &amp; socket</b>	8.00			Each
vi	NS	<b>8 Gang Switch</b>	4.00			Each
vii	NS	<b>8 Switch &amp; Socket</b>	3.00			Each
viii	NS	<b>9 Switch &amp; Socket</b>	7.00			Each
ix	NS	<b>3 Switch &amp; Socket</b>	4.00			Each
x	NS	<b>Light Plug</b>	55.00			Each
xi	NS	<b>Power Plug</b>	148.00	No's		Each
5	NS	<p>Supply &amp; installation of ceiling fan 56" sweep make (Royal/ Pak Fan/ Asia) i/c Fan Dimmer complete in all respects and as approved by the Engineer Incharge.</p>	99.00	No's		Each
6		<p>Providing &amp; Fixing of Golden Electric Pump (mono block) for Water supply including connection &amp; testing with MS Steel safety box for electric pump, complete in all respects and as approved by the Engineer Incharge.</p>				
	NS	a) 2.5 to 3 H.P GoldenPump	1.00			Each
	NS	a) 2 H.P GoldenPump	2.00	Nos		Each

7	NS	Manufacturing and erection of galvanized angle iron lattice steel structure pole of size 34'-8" long using high iron and 1"x1"x1/8" and flat iron 2"x1/8" bracing, tensile steel angle 1.3/4"x1.3/4"x3/16" with MS angle weighing 200±3%kg, complete in all respects as directed and approved by the Engineer in charge	1.00	No.	Each
8	NS	Supply & Installation Stay wire set including all accessories required at site complete in all respects as approved by the engineer in charge.	1.00	No.	Each
9	NS	Supply, installation, commissioning and testing of the earthing system including cost of the following 3/4" 3 meter long copper rod as earth electrode up-to water level including cost of boring and lowering complete with clamp and 1x70 mm <sup>2</sup> stranded copper conductor from copper rod to ground surface in 1-1/2" uPVC pipe class D with watering cap manhole with cover as per detail complete in all respects and as approved by the engineer Incharge.	1.00	No.	Each
10	NS	Providing & Fixing Exhaust Fan 12" size in Plastic body complete in all respects and as approved by the Engineer Incharge.	15.00	No.	Each
					Sub Total

		<b>Plumbing Work (Schedule Items)</b>			
1	19/34-ii	Providing & Fixing P-Trap 4" Glazed.	65.00	No	Each
2	19/3-ii	Providing and fitting glazed earthen ware water closet squatter type (Orissa pattern) combined with foot rest. (Coloured).	22.00	No	Each
3	19/11-ii	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.	22.00	No	Each
4	19/1-ii	ii) coloured Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:- coloured	4.00	Nos	Each
5	19/2-i	Providing and fixing, double seat and cover only. Bakelite	4.00	Nos	Each
6	19/29	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower, as approved by the engineer in charge	27.00	Nos	Each
7	19/6-ii	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. ii. coloured, with pedestal	5.00	Nos	Each
8	19/26-ii	Providing and Fixing Chromium plated bib cock 1/2" dia with plastic head as approved by the Engineer Incharge.	41.00	Nos	Each
9	19/23-i	Providing and fixing chromium plated pillar-cock, heavy:- i) (3/4")	3.00	No.	Each
10	19/27	Providing and fixing chromium plated tee stop cock 15mm (1/2").	77.00	No.	Each
11	19/22-i	Providing and fitting: i) plastic soap dish	2.00	No.	Each
	19/22-ii	ii) plastic toilet paper holder	22.00	No.	Each
	19/22-iii	iii) plastic towel rail	10.00	No.	Each
	19/22-iv	iv) plastic shelf (24"x5") with bracket and railing.	2.00	No.	Each

12		Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Medium Quality				
	23/22-g	2.5" i/d (65 mm)	65.00	Rft		P/Rft
					Sub Total	
1	NS	<b>Plumbing Work (Non Schedule Items)</b> Providing, laying, fixing and testing uPVC plain ends socketed pipes Soil Waste, vent & rain water as per approved make & quality including uPVC (Unplasticsized Polyvinyl chloride) fittings with solvent cement jointing or rubber ring joints complete in all respects including clamps, tees, Y-tees, Cowl reducers, clean out WC- Elbow Adopter etc. complete in all respects (Dadex, Beta or Equalent. 4" dia Pipe	1961.22	Rft		P/ Rft
2		Providing, laying, cutting, jointing, testing and disinfecting PPRC pipeline for hot & cold (Polypropylene random copolymer) water supply complete in all respects, i/c specials such as coupler, reducing socket, elbow, end caps, male/female, threaded, fittings, like tease, adaptors to connect polydex pipes to other pipe and shower, wash basin, bibcock etc. as required at site (For internal wiring of bathrooms)				
	NS	i) 1/2" i/d (25 mm o/d)	592.82			P/ Rft
	NS	ii) 3/4" i/d (32 mm o/d)	1495.22	Rft		P/ Rft
3	NS	Providing & Fixing counter basin coloured best quality including waste pipe and waste coupling etc as approved by the engineer in charge.	20.00	Nos		Each
4	NS	Providing & Fixing Muslim shower with double bib cock with one meter flexible pipe complete unit in function and as directed by the engineer in charge. (Master or Equalent)	6.00	Nos		Each
5	NS	Providing & Fixing wall shower set complete in all respects as approved by the Engineer Incharge. (Dilawar Glaxy or Equalent)	26.00	Nos		Each
6	NS	Providing & Fixing super Tuff Imported quality Water Tank 1000 Gallon capacity placing on the top of roof of Girls hostel Building including Treatment with Jumbolan arrangement for Heat & Cold proofing & in working condition complete in all respects and as approved by the Engineer Incharge.	4.00	Nos		Each
7	NS	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipeline (Beta/Dadex/Minhas) 63mm o/d for hot & cold (Polypropylene random copolymer) water supplyline, complete in all respects, i/c specials such as coupler, reducing socket, elbow, endcaps, male/female, threaded, fittings, like teese, adoptors to conect polydex pipes to other pipes, Complete in all respects, as approved by the engineer incharge.	1165.00	Rft		P/ Rft

8	NS	Providing, laying, cutting, jointing, testing and disinfecting Polyethylene 90mm Dadex/BBJ/Beta pipe (PE-100, PN-10) for main service connection complete in all respects, i/c specials such as coupler, reducing socket, elbow, endcaps, male/female, threaded, fittings, like teese, adaptors to connect the Polyethylene pipes to other pipe etc. as required at site and in all respects as approved by the Engineer-in-charge.	1005.00	Rft		P/ Rft
9	NS	P/F Looking glass imported quality complete in all respect and as approved by the Engineer Incharge.	142.00	Sft		P/ Sft
10	NS	Providing & fixing floor trap Jali plastic	38.00	No		Each
11	NS	Providing & fixing floor trap Jali Stainlesssteel	40.00	No		Each
12	NS	Providing & Fixing steel bowl complete including waste Coupline etc. complete in all respect as approved by the engineer in charge.	5.00	No		Each
13	NS	Providing & Fixing Stop valve PPRC 50mm complete in all respects as approved by the Engineer Incharge.	6.00	No		Each
	NS	a.63 mm o/d	2.00	No		Each
	NS	b.32 mm o/d				Each
<b>Sub Total</b>						