

**KHAIRPUR COLLEGE OF AGRICULTURE & MANAGEMENT  
SCIENCES, KHAIRPUR MIR'S**

**CENTRAL LIBRARY**

**SUMMARY OF COST**

	<u>SCHEDULE ITEM</u>	<u>NON-SCHEDULE ITEM</u>
1) CIVIL WORKS	Rs. 34,253,499.83	Rs.
Premium Above/Below (.....%)	Rs.	—
<b>TOTAL =</b>	<u>Rs.</u>	<u>Rs.</u>

**A = Total Schedule + Non-Schedule Items (Civil Works):   = Rs.**

2) PLUMBING WORKS	Rs. 558,975.53	Rs.
Premium Above/Below (.....%)	Rs.	—
<b>TOTAL =</b>	<u>Rs.</u>	# <u>Rs.</u>

**B = Total Schedule + Non-Schedule Items (Plumbing Works):   = Rs.**

3) ELECTRICAL WORKS	Rs. 1,377,539.00	Rs.
<b>TOTAL =</b>	<u>Rs.</u>	<u>Rs.</u>

**C = Total Schedule + Non-Schedule Items (Electrical Works):   = Rs.**

**Total (A + B + C)   Rs.**

**KHAIRPUR COLLEGE OF AGRICULTURE & MANAGEMENT SCIENCES,**  
**KHAIRPUR MIR'S**  
**CENTRAL LIBRARY**  
**CIVIL WORKS**  
**SCHEDULE-B**

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
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**SCHEDULE ITEMS:**

01.	41,160 Cft	Excavation in foundation of buildings bridges and other structures including dag belling, dressing, refilling around the structure with excavated earth watering and ramming. lead upto one chain and lift upto 5 ft. in Ordinary soil. (S.I. No.18(b) chapter 1 of Schedule of Rates 2012)	%oCft	3,176.25		130,734.45
02.	3,400 Cft	Cement concrete brick or stone ballast 1½" to 2" gauge ratio 1:4:8. (a) In foundation (S.I. No.4(b) chapter 4 of Schedule of Rates 2012)	%Cft	9,416.28		320,153.52
03.	3,625 Cft	Cement Concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate without shuttering): (i) Ratio 1:3:6	%Cft	12,595.00		456,568.75
	5,781 Cft	(ii) Ratio 1:4:8 (Under Floor) (S.I. No.5(h) and 5(i) chapter 4 of Schedule of Rates 2012)	%Cft	11,288.75		652,602.64
04.	47,885 Cft	Filling, watering and ramming earth in floors with surplus earth from foundation lead upto one chain and lift upto 5 feet. (S.I. No.21 chapter 1 of Schedule of Rates 2012)	%0Cft	1,512.50		72,426.06
05.	11,573 Sft	Erection and removal of centering for RCC or plain cement concrete works for Partal wood (Vertical). (S.I. No.19(b)(ii) chapter 4 of Schedule of Rates 2012)	%Sft	3,127.41		361,935.16
06.		Reinforced cement concrete work in all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid seperately. This rate also including all kinds of forms, moulds, lifting, shuttering, curing, rendring and finishing the exposed surface.(including screening and washing of shingle). (b) RCC work in roof slabs, beams, columns, rafts, lintels and other structural mangers laid in situ or pre-cast laid in position complete in all respects. (i) Ratio 1:2:4, 90 lbs cement, 2 cft sand, 4 cft shingle 1/8" to 1/4" gauge.				
	36,855 Cft	a) Ground Floor	Cft	337.00		12,420,135.00
	1,250 Cft	b) Above Ground Floor (S.I. No.6(a)(i) & (d) chapter 4 of Schedule of Rates 2012)	Cft	361.20		451,500.00

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
07.	1,655 Sft	Damp Proof Course with cement sand and shingle concrete (1:2:4) including 2 coats of asphaltic mixture 2" thick. (S.I. No.28(b) chapter 4 of Schedule of Rates 2012)	%Sft	3,912.85		64,757.67
08.	20,957 Sft	Vertical damp proof course of 3/4" thick cement plaster 1:2 with bitument @ 20 Lbs per % sft. (S.I. No.70, chapter 18 of Schedule of Rates 2012)	%Sft	2,760.99		578,620.67
09.		Pucca brick work in Ground Floor in cement sand mortar 1:6 including striking of joints.				
	15,895 Cft	a) Ground Floor	%Cft	12,674.36		2,014,589.52
	1,405 Cft	b) Above Ground Floor (S.I. No.5(i)(e) chapter 5 of Schedule of Rates 2012)	%Cft	13,687.74		192,312.75
10.	20,500 Cft	Supplying and filling sand under floors and plugging in walls. (S.I. No.29 chapter 5 of Schedule of Rates 2012)	%Cft	1,141.25		233,956.25
11.	5,781 Cft	Dry rammed brick or stone ballast 1½" to 2" gauge. (S.I. No.2 chapter 4 of Schedule of Rates 2012)	%Cft	3,327.50		192,362.78
12.		Laying floors of approved white glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.				
	565 Sft	a) Ground Floor (S.I. No.24 chapter 8 of Schedule of Rates 2012)	%Sft	27,678.86		156,385.56
13.		Glazed tile dado 1/4" thick laid in pigment over 1:2 cement sand mortar 3/4" thick including finishing.				
	1,275 Cft	a) Ground Floor (S.I. No.38 chapter 8 of Schedule of Rates 2012)	%Sft	28,299.30		360,816.08
14.		Providing and laying single per layer of polythene sheet 0.13 mm thick for water proofing as per specification and instructions of Engineer Incharge:				
	17,515 Sft	(a) Under Floor (S.I. No.38 chapter 7 of Schedule of Rates 2012)	Sft	10.70		187,410.50
15.		Two coats of bitumen laid hot using 34 lbs for % Sft over roof and blinded with sand at one Cft Per % Sft:				
	21,550 Sft	(a) Over Roof Top (S.I. No.13 chapter 7 of Schedule of Rates 2012)	%Sft	1,887.40		406,734.70
16.		Cement plaster 3/8" thick Ratio 1:6 (1st Coat Internal).				
	31,135 Sft	a) Ground Floor	%Sft	2,122.72		660,908.87
	3,370 Sft	b) Above Ground Floor (S.I. No.13(a) chapter 9 of Schedule of Rates 2012)	%Sft	2,122.72		71,535.66

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
17.		Cement plaster 3/8" thick Ratio 1:4 (2nd Coat Internal).				
	31,135 Sft	a) Ground Floor	%Sft	2,197.52		684,197.85
	3,370 Sft	b) Above Ground Floor	%Sft	2,197.52		74,056.42
		(S.I. No.11(a) chapter 9 of Schedule of Rates 2012)				
18.		Cement plaster 3/8" thick Ratio 1:6 (1st Coat External).				
	10,923 Sft	a) Ground Floor	%Sft	2,122.72		231,864.71
	10,000 Sft	b) Above Ground Floor	%Sft	2,122.72		212,272.00
		(S.I. No.13(a)+29 chapter 9 of Schedule of Rates 2012)				
19.		Cement plaster 3/8" thick Ratio 1:4 (2nd Coat External).				
	10,923 Sft	a) Ground Floor	%Sft	2,197.52		240,035.11
	10,000 Sft	b) Above Ground Floor	%Sft	2,197.52		219,752.00
		(S.I. No.11(a)+29 chapter 9 of Schedule of Rates 2012)				
20.	22 Nos	Making Khuras on Roof 2'-0" x 2'-0" x 0'-6".	Each	358.68		7,890.96
		(S.I. No.18 chapter 7 of Schedule of Rates 2012)				
21.	22 Nos	Bottom Khuras of brick masonry in cement mortar 1:6 4'x2'x4'1/2", 3" cement concrete (1:4:8).	Each	649.83		14,296.26
		(S.I. No.19 chapter 7 of Schedule of Rates 2012)				
22.		Fabrication of ToR steel reinforcement for cement concrete including cutting, bending, laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars).				
	1,640 Cwt	a) Ground Floor	Cwt	5,001.70		8,202,788.00
	360 Cwt	b) Above Ground Floor	Cwt	5,152.95		1,855,062.00
		(S.I. No.8(b) chapter 4 of Schedule of Rates 2012)				
23.		Providing & Fixing G.I frames/chowkats of size 7" x 2" or 4½" x 3" for door using 20 guage G.I sheet including welded hinges and fixing at site with necessary hold fasts. Filling with cement and slurry of ratio 1:6 and repairing the jambs. The cost also includes all carriage, tools and plants used in making and fixing.				
	596 Rft	a) Ground Floor	Rft	228.90		136,424.40
	65 Rft	b) Above Ground Floor	Rft	228.90		14,878.50
		(S.I. No.29 chapter 17 of Schedule of Rates 2012)				
24.		Preparing new surface and 2 coats of painting over priming coat on doors and windows any type (including edges).				
	1,800 Sft	a) Ground Floor	%Sft	2,116.41		38,095.38
	200 Sft	b) Above Ground Floor	%Sft	2,116.41		4,232.82
		(S.I. No.5(c)(i) & (ii) chapter 11 of Schedule of Rates 2012)				

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
25.		Preparing the surfaces and painting with plastic Emulsion paint of approved make including rubbing the surface with sand paper, filling the voids with chalk/plaster of paris and then painting etc complete (new surface 3 coats) (on wall).				
	22,500 Sft	a) Ground Floor	%Sft	2,237.95		503,538.75
	3,400 Sft	b) Above Ground Floor	%Sft	2,237.95		76,090.30
		(S.I. No.40(A&B) chapter 9 of Schedule of Rates 2012)				
26.		Distempering (3 coats) (on ceiling).				
	12,250 Sft	a) Ground Floor	%Sft	1,079.65		132,257.13
		(S.I. No.24(c) chapter 9 of Schedule of Rates 2012)				
27.		Preparing the surface and painting with weather coat including rubbing brick/sand paper filling the voids with chalk/plaster of paris and then painting with weather coat of approved make (3 coats).				
	7,423 Sft	a) Ground Floor	%Sft	2,567.95		190,618.93
	8,000 Sft	b) Above Ground Floor	%Sft	2,567.95		205,436.00
		(S.I. No.38(A&B) chapter 9 of Schedule of Rates 2012)				
28.	21,560 Sft	Providing Anti-termite treatment by spraying/sprinkling/spreading Neptachler 0.5% emulsion as an over all pre-construction treatment in slab type construction under the slab and along attached perches or entrances etc. complete as per direction of Engineer Incharge (plinth area).	Sft	9.74		209,994.40
		(S.I. No.92 chapter 18 of Schedule of Rates 2012)				
29.		Supplying and fixing in position Aluminium Deluxe model (White) channels, framing for sliding windows and ventilators of Alcop made with 5 mm thick tinted glass glazing (Belgium) and aluminium fly screen including handles, stoppers and locking arrangement etc; complete. Deluxe model (White).				
	315 Sft	a) Ground Floor	Sft	1,592.69		501,697.35
		(S.I. No.84(a) chapter 18 of Schedule of Rates 2012)				
30.	430 Sft	Supplying and fixing in position iron/steel grill of 3/4" x 1/4" size flat iron of approved design including painting 3-coats etc. complete (weight not to be less than 3.7 Lbs/Sft of finished grill).	Sft	180.50		77,615.00
		(S.I. No.26 chapter 17 of Schedule of Rates 2012)				
31.	600 Sft	Preparing surface and painting sashes, fan light glazed or gauzed door and window grill etc. any type (including edges).	%Sft	1,270.83		7,624.98
		(S.I.No.5(d)(i)&(ii) chapter 11 of Schedule of Rates 2012)				
32.	5,218 Bags	Difference of cost of S.R. cement and Portland cement.	Bag	40.00		208,720.00
		(S.I.No.45(a) and 45(b) Page-4 of Schedule of Rate of Material 2011)				

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
33.	150 Sft	Supplying and fixing in position Aluminium channels framing for hinged doors of Alcope made with 5mm thick tinted glass glazing (Belgium) and alpha japan locks including handles stoppers etc. Deluxe model (White). (S.I.No.83(a), chapter 18 of Schedule of Rates 2012)	Sft	1,450.76		217,614.00

**TOTAL SCHEDULE ITEMS (CIVIL WORKS) :   Rs.   34,253,499.83**

**KHAIRPUR COLLEGE OF AGRICULTURE & MANAGEMENT SCIENCES**  
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**CIVIL WORKS**  
**SCHEDULE-B**

S.No.	Quantity	Description	Unit	Rate in Figures Rupees	Rate in Words Rupees
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**NON-SCHEDULE ITEMS**

- |     |           |   |     |
|-----|-----------|---|-----|
| 01. | 2,780 Cft | Providing and laying 1:2:4 RCC of specified strength using approved quality crushed stone and fine aggregate for Folded Plate slab, and its beams including steel pipe form work as per drawing and design levelling, compacting, rodding, vibrating, finishing, curing etc; complete in all respect but excluding cost of steel and its fabrication.(For all height).  | Cft |
| 02. | 8,596 Sft | Providing and fixing perforated panelling of 1/8" teak plywood pasted over 1/2" thick chip board with and including 2"x2" size deodar wood batten in both direction at 12 inch center to center fixed on existing surface, including providing 1" glass wool pad of panelling as shown in drawings with and including polishing on exposed surfaces and transparent solignum paint (imported) on rear surface of chip board and deodar wood etc; complete in all respect all as per drawings and specification and as directed by the Engineer Incharge.  | Sft |
| 03. | 5,268 Sft | Supply and installation of mineral fibre acoustic ceiling (non-directional) perforated pattern size 2'-0"x2'-0"x1½" thick and imported Aluminium extruded section in natural anodized finish 10-12 microns coating comprising of main tee runner and angle edges trim. Suspension shall be made by mean of adjustable suspender of 8 SWG galvanized steel wire and cadmium plated spring clip supported at 4'-0" centre to centre, suspender shall be fixed to the slab, beam soffits with nylon anchors 1½" No.12 round headed steel screws and washer; complete in all respect as per drawing and specifications and as per directions of the Engineer Incharge. (For all heights). | Sft |

**Note:**

- i) Extra frame to hold the light fixtures, an outlets and other services as per working drawing will be provided and no extra payment will be made on.
- ii) Measurement will be made for the superficial area, no deduction will be made for the light.

S.No.	Quantity	Description	Unit	Rate in Figures Rupees	Rate in Words Rupees
04.	5,500 Sft	Providing and laying Guttca brick facing 2 1/4"x9"x2 1/4" size of approved design set in cement sand mortar 1:3 including filling the joints with white cement slurry using colour pigment for matching, including levelling, smooth finishing, curing and scaffolding etc. complete as per specification and as directed by the Engineer Incharge (For all height).	Sft		
05.	200 Rft	Providing and fixing balustrade of Rectangular Mild steel pipe 18 gauge (2"x1") size fixed with 1" x 1/4" mild steel flat to 2" dia M.S pipe of 18 gauge hand rail moulded to required details as per drawing and specifications including polishing the hand rail and painting the mild steel square bars with 2 coats of paint priming coat of anticorrosive (red oxide) of approved manufacture for all floor.	Rft		
06.		Providing and laying Soil/Waste/Vent U-PVC pipes and fittings with plain socket end/spigot ends (heavy grade) confirming to be BS-4514/1983 Specifications complete, jointing with best quality solvent cement joint or rubber ring push fit joint, U-PVC fittings such as bends, tees, crosses, tee, P-trap, Cowels, Clamps and hangers, including excavation and backfilling etc; required for the proper completion of the job complete in all respects, pipes and fittings are first class best quality manufactured by DADEX/AGM or approved equivalent etc; complete in all respects as per drawing and specifications and as directed by the Engineer Incharge.			
	350 Rft	a) 110 mm dia (4" dia for Rain water)	Rft		
07.	695 Sft	Providing and fixing 1 1/2" thick solid core machine pressed commercial ply veneered door (single or double leaf) best quality shutters of first class deodar wood skeleton and commercial ply wood (3 ply) on both sides, openable on one side of approved manufacturer with and including brass oxidized fittings such as hinges, tower bolts, handles, al-drop mortice lock door stopper etc; as per schedule of hardware etc; complete as per drawings and specifications (For all height).	Sft		
08.	160 Rft	Providing and fixing expansion joint of 16 gauge and 6" wide aluminium sheet cover, with one end fixed with stainless steel screw and the other end free in RCC columns and as per detials and specifications etc; complete.	Rft		



S.No.	Quantity	Description	Unit	Rate in Figures Rupees	Rate in Words Rupees
09.	250 Rft	Providing and fixing flashing with 22 gauge stainless steel sheet 16" wide moulded as per design, one end fixed with rawal plug and stainless steel screws and the other end kept free as per drawing and specification etc; complete. (over the top roof).	Rft		
10.	1,200 Sft	Providing and fixing in position thermopor in expansion joints 1" thick in between different members of RCC works i.e. columns, beams, etc; as per drawing and specifications.	Sft		
11.	600 Rft	Providing and fixing expansion joint 1x1" size epoxy filling.	Rft		
12.		Providing and laying Porcelain Tiles Floor of approved size, design and quality laid over 1¾" thick C.C. 1:2:4 bed floor including filling and grouting the joints with neat white cement slurry using colour pigment for matching, including levelling and curing etc; complete as per specification and as directed by the Engineer Incharge.			
		(i) Size of Tile 12" x 12"			
	17,837 Sft	a) Ground Floor	Sft		
13.		Providing and laying 12" x 6" size Porceline Tiles Skirting of approved design and quality set in cement sand mortar ratio 1:3 including filling the joints with neat white cement slurry using colour pigment for matching, including levelling and curing etc; complete as per specification and as directed by the Engineer Incharge.			
	1,715 Sft	a) Ground Floor	Sft		

**TOTAL NON-SCHEDULE ITEMS (CIVIL WORKS) :      Rs.**

₹,

Amount
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Amount
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Amount
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**KHAIRPUR COLLEGE OF AGRICULTURE & MANAGEMENT SCIENCES,**  
**KHAIRPUR MIR'S**  
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**PLUMBING WORKS**  
**SCHEDULE-B**

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
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**SCHEDULE ITEMS:**

01.		Providing R.C.C pipe with collars class "B" and digging the trenches to required depth & fixing in position including cutting, fitting and jointing with asphalt composition and cement mortar 1:1 and testing with water pressure to a head of 4ft. above the top of the highest pipe and refilling with excavated stuff. (S.I. No.2(c) & (d) Chapter-10 of Schedule of Rate of 2012)				
	500 Rft	a) RCC Pipe 6"dia	Rft	199.25		99,625.00
	150 Rft	b) RCC Pipe 9"dia	Rft	250.60		37,590.00
02.	24 Nos.	Providing and fixing 6"x4" gully trap with 4" outlet complete with 4" thick 1:2:4 C.C. for bed and kerb, 1/2" thick cement plaster (1:3) to the kerb C.I. Grating 6"x6" and C.I. cover and frame 12"x12" (inside) etc; complete C.C. Gully traps 6"x6" with C.I. cover and frame. (S.I. No.1(i), Chapter-10 of Schedule of Rate of 2012)	Each	1,193.17		28,636.08
03.	12 Nos.	Supply and fixing concealed stop cock of superior quality with C.P. head 1/2" dia. (S.I.No.11(b), Chapter-6 of Schedule of Rate of 2012)	Each	509.74		6,116.88
04.	12 Nos.	Providing & fixing C.P. brass toilet paper holder of standard size with chrome plated brass brackets complete, (superior quality). (S.I.No. 2(b), Chapter-2 of Schedule of Rate of 2012)	Each	1,071.40		12,856.80
05.	4 Nos	Construction of manhole or inspection chamber for the required dia of circular sewer and 3'-6" depth with walls of B.B in cement mortar 1:3, cement plaster 1:3 1/2" thick inside of walls and 1" thick over benching benching and channel including fixing C.I. manhoel cover with frame of clear opening 1½"x1½' of 1.75cwt. embedded in plain C.C. 1:2:4 and fixing 1"dia M.S. steps 6" wide projecting 4" from the face of wall at 12" c.c. duly painted etc; complete as per specifications and drawing No: DP/I of Public Health Circle Southern Zone Hyderabad. a) 4" to 12" dia 2' x 2' x 3'-6". (S.I. No.1(a) Chapter-II of P.H. Engg. of 2012)	Each	14,748.00		58,992.00

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
06.	6 Nos	Providing and fixing European type white glazed earthen ware wash down WC pan complete with and including cost of white/black plastic seat (best quality) and lid with CP brass hinges and buffers, 3 gallons plastic flushing cistern with fitting and clamps 3/4" dia and cutting and making requisite number of holes in wall plinth and floor for pipe connections and making good in cement concrete 1:2:4. (S.I. No.4 Page-2)	Each	5,339.40		32,036.40
07.	9 Nos	Providing and fixing 24"x18" lavatory basin in white glazed earthen ware complete with and including the cost of earthen ware pedestal white or coloured glazed (standard pattern), W.I or C.I. cantilever brackets 6 inches built into walls, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia rubber plug and chrome plate brass chain 1-1/4" dia malleable iron or CP brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connections and making good in cement for pipe connections and making good in cement concrete 1:2:4 (standard pattern). (S.I.No.8+9 Page-9 Chapter-1 of Schedule of Rate of 2012)	Each	5,192.17		46,729.53
08.	12 Nos	Providing and fixing in position nylon connection complete with 1/2" dia brass stop cock, with pair of brass nuts and lining joints to nylon connection. (S.I. No.23 Page-6)	Each	447.15		5,365.80
09.	12 Nos	Supplying and fixing in position 1/2" dia CP bib cock, standard pattern. (S.I. No.2(i)(b) Page-16)	Each	150.92		1,811.04
10.	9 Nos	Supplying and fixing Swan type pillar cock of superior quality single C.P head 1/2" dia. (S.I. No.16 Page-19)	Each	795.30		7,157.70
11.	6 Nos	Supplying and fixing CP muslim shower with double bib cock and ring pipe etc. complete. (S.I. No.19-a Page-19)	Each	3,432.00		20,592.00
12.	12 Nos	Supplying and fixing concealed tee-stop cock of superior quality with CP head 1/2" dia. (S.I. No.12-a Page-18)	Each	843.92		10,127.04
13.	12 Nos	Providing and fixing 24"x18" bevelled edge mirror of belgium glass complete with 1/8" thick hard board and CP screws fixed to wooden cleats. (Standard Pattern). (S.I. No.3-a Page-7)	Each	1,711.60		20,539.20

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
14.	12 Nos	Providing and fixing chrome plated brass 30" long towel rail. 3/4" dia. Round or square (Standard Pattern). (S.I. No.1(ii)(a) Page-7)	Each	1,082.95		12,995.40
15.	12 Nos	Supplying and fixing 3/4" dia handle valve (China). (S.I. No.4(b)(ii),(iii)&(v) Page-17 Chapter-6 of Schedule of Rate of 2012)	Each	227.92		2,735.04
16.	12 Nos	Supplying and fixing 1" dia handle valve (China). (S.I. No.5(iii) Page-17)	Each	271.92		3,263.04
17.	9 Nos	Supplying and fixing 1-1/2" dia handle valve (China). (S.I. No.5(v) Page-17)	Each	970.92		8,738.28
18.	4 Nos	Construction of manhole of inspection chamber for the required dia of circular sewer and 3'-6"(1067mm) depth with walls of B.B in cement mortar 1:3 1/2" thick in side of walls and 1" (25mm) thick over benching and channel including fixing C.I manhole cover with frame of clear opening 1-1/2"x1-1/2" (457x457mm) of 7.75cwt. (88.9kg) embedded in plain the face of wall at 12" (305mm) C.C. duly painted etc; complete as per specification and drawing no. D.P/I of Public Health Circular southern zone. (S.I. No.1(a) Page-46)	Each	14,748.00		58,992.00
19.	10 Nos	Providing chambers 15"x9" (inside dimensions) x 24" deep for house meters with 4-1/2" thick burnt brick masonry walls in 1:6 C.M 6" thick C.C. 1:4:8 in foundation 1/2" thick cement plaster in 1:3 C.M to all inside wall surface and top to 1" thick C.C. 1:2:4 flooring complete with cast iron hinged cover and frame 15"x9" (inside) clear opening (W.I Qr) etc; fixed in cement concrete 1:2:4 including curing, excavation, back filling and disposal of earth etc; complete. (S.I. No.4 Page-20)	Each	4,905.67		49,056.70
20.	6 Nos	Providing and fixing Orisa type white of colour glazed earthen ware W.C. Pan with cost, of low level plastic flush tank of 3 gallons capacity of approved quality including making requisite number of holes in wall, plinth and floor and making good in cement concrete 1:2:4.  (a) W.C. pan orisa tye 23" with plastic tank of low down 3 gallons trap and C.I. thimble (superior quality). (i) with 4 " dia C.I. trap. (S.I. No.3(a) Page-2)	Each	5,836.60		35,019.60

**TOTAL SCHEDULE ITEMS (PLUMBING WORKS) :      Rs.      558,975.53**

**KHAIRPUR COLLEGE OF AGRICULTURE & MANAGEMENT SCIENCES,**  
**KHAIRPUR MIR'S**  
**CENTRAL LIBRARY**  
**PLUMBING WORKS**  
**SCHEDULE-B**

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
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**NON-SCHEDULE ITEMS:**

01. 1 No. Providing and installation of 10 gallons water cooler with water supply and drainage connections, resting over angle iron brackets wall mounted at appropriate height with two nos 1/2" dia C.P. brass taps etc, complete. First class best locally made quality of MECO. Each

02. 2 Nos Providing and laying PPRC pipe and fittings to specification DIM 8077-8078 including all necessary fitting (tees, sockets, elbows, crosses etc.) including heat fusion joint, required for proper completion of the job heavy duty, clamping or anchoring pipes to walls or chipping the walls to embedded pipes in walls and making good the surface and/or laying underground pipes including excavation of trenches required and testing the pipe line with 20 PN, pipes and 25 PN fittings are first class best quality manufactured by DADEX/AGM or approved equivalent etc; complete in all respects as per drawing and specifications and as directed by the Engineer Incharge:

300 Rft	a) 17 mm dia (3/4" dia)	Rft
125 Rft	b) 25 mm (1" dia)	Rft
150 Rft	c) 38 mm (1-1/2" dia)	Rft

03. Providing, laying, fixing and testing soil/waste/vent U-PVC pipes and fittings with plain socket end/spigot ends (heavy grade) confirming to be BS-4514/1983 Specifications complete including UPVC fittings with solvent cement jointing, Dadex or equivalent make as approved by the Engineer Incharge, complete in all respects including bends, tees, crosses, tee, P-trap, cowls, clamps, hangers, reducers, etc; embedded in floors and walls, clamped to walls, suspended from slab, making requisite no. of holes and making good in all respects as per drawing and specifications and as directed by the Engineer Incharge:

25 Rft	a) 75 mm dia (3" dia:)	Rft
30 Rft	b) 110 mm dia (4" dia:)	Rft
50 Rft	c) 150 mm dia (6" dia:)	Rft

**TOTAL NON-SCHEDULE ITEMS (PLUMBING WORKS) : Rs.**



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**CENTRAL LIBRARY**

**ELECTRICAL WORKS**

**SCHEDULE-B**

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees
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**SCHEDULE ITEM:**

1. 190 Point Wiring for light or fan point with (3/.029") PVC insulated wire in 20 mm<sup>2</sup> (3/4") PVC conduit recessed in slab/wall/column as required.  
(Schedule Item No. 124-p15) Point 1130.00
2. 63 Point Wiring for plug point with (3/.029") PVC insulated wire in 20 mm<sup>2</sup> (3/4") PVC conduit recessed in the wall or column as required.  
(Schedule Item No. 126-p15) Point 985.00
3. 10 Point Providing & fixing bakelite ceiling rose with two terminals.  
(Schedule Item No. 228-p33) Point 72.00
4. 91 Point Providing & fixing brass ceiling fan 56" (good quality).  
(Schedule Item No. 231-p33) Point 3185.00
5. 75 Mtrs Providing & laying ( MAIN or SUB MAIN ) PVC insulated and PVC seated with 3.5 core armoured copper conductor 600/1000 watts size 150mm<sup>2</sup>.  
(Schedule Item No. 94 -p11) Per Mtr. 9632.00
6. 10 Mtrs Providing & laying ( MAIN or SUB MAIN ) PVC insulated and PVC seated with 3.5 core armoured copper conductor 600/1000 watts size 120mm<sup>2</sup>.  
(Schedule Item No. 93 -p11) Per Mtr. 8260.00
7. 63 Point Providing & fixing two pin 5amp plug socket flush type.  
(Schedule Item No. 225 -p33) Point 83.00

**TOTAL SCHEDULE ITEMS (ELECTRICAL WORKS) : Rs.**

**CES,**

Amount
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214,700.00

62,055.00

720.00

289,835.00

722,400.00

82,600.00

5,229.00

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**1,377,539.00**

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**KHAIRPUR MIR'S**  
**CENTRAL LIBRARY**  
**ELECTRICAL WORKS**  
**SCHEDULE-B**

S.No.	Quantity	Description	Unit	Rate in Figures Rupees	Rate in Words Rupees	Amount
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**NON-SCHEDULE ITEMS:**

**A. SEC-A: WIRING INSTALLATIONS:**

1. Wiring with 2 x 2.5 sq. + 1 x 1.5 sq. mm S/C PVC Cable in 20 mm dia high impact PVC Conduit recessed in slab/wall, complete with all accessories.
- |     |     |     |  |      |  |
|-----|-----|-----|--|------|--|
| 101 | 102 | Nos | Circuits for light/fan points                    | Each |  |
| 102 | 6   | Nos | Set of 8 Light points controlled through MCB/DB. | Each |  |
| 103 | 63  | Nos | 5 Amps socket outlet points.                     | Each |  |

**B. SEC-B: SWITCH ACCESSORIES:**

1. Provide, fix and connect following accessories  
1.5mm thick sheet steel back box of appropriate dimensions recessed in walls.
- |     |    |     |                           |      |  |
|-----|----|-----|---------------------------|------|--|
| 101 | 5  | Nos | Single gang switch plate: | Each |  |
| 102 | 27 | Nos | Double gang switch plate: | Each |  |
| 103 | 11 | Nos | Four gang switch plate.   | Each |  |

**C. SEC-C: LIGHT FITTINGS & FIXTURES:**

1. Provide, fix, connect and commission light fixtures  
Philips make or equivalent with Philips components  
as approved, complete in all respects and ready for use.
- |      |     |     |  |      |  |
|------|-----|-----|--|------|--|
| 101. | 16  | Nos | Providing and fixing of recessed mounting<br>Fluorescent light fixtures similar to Philips type<br>TCS-240, complete with all Philips make<br>components and warm white fluorescent lamps. | Each |  |
| 102. | 112 | Nos | Providing and fixing of Fluorescent light fixtures,<br>similar to Philips type GKD - 240, complete with<br>all Philips make components and day light<br>fluorescent lamp.                  | Each |  |
| 103. | 4   | Nos | Providing and fixing of Fluorescent light fixtures,<br>similar to Philips type TMS - 140, complete with<br>all Philips make components and day light<br>fluorescent lamp.                  | Each |  |

S.No.	Quantity	Description	Unit	Rate in Figures Rupees	Rate in Words Rupees	Amount
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104. 30 Nos Providing and fixing of Ceiling Mounted recessed Downlighters PHILIPS make Smart Spark (14.5W LED), complete in all respect. Each

105. 10 Nos Providing and fixing of Indoor Wall Bracket light fixture PHILIPS make, complete in all respects including 1x18W white PLC lamps, in Auditorium Area. Each

106. 5 Nos Providing and fixing of weather proof / watertight Outdoor Wall Bracket light fixture PHILIPS make, complete in all respects including 1x24W white PLC lamps. Each

2. 10 Nos Provide, install, connect and commission Exhaust fan, complete in all respects. Each

**D. SEC-D: FEEDERS**

1. 30 Mtrs Provide lay and connect sub-feeder from Main DB & DG Panel to LDB-1 & LDB-2, 3 x 35 sq.mm + 2 x 16 sq.mm S/C PVC Cable in 50 mm dia high impact PVC Conduit recessed in slab/wall, complete with all accessories. Mtr

**E. SEC-E: SWITCH GEAR:**

1. Provide, install, connect and commission Main Distribution Board 1.5mm thick, sheet steel fabricated, flush type totally enclosed with hinged front cover suitable for 3 Phase, 4 wire, 50 Hz A/c system and equipped as under:

Incoming:

1-50 Amp, TP, 10 KA, MCCBs, with Mechanical Interlock, such that if one is "ON" the other is "OFF".

6 - Phase indicating lamps

Outgoing:

12 -6 Amps SP,5KA,MCBs

6 -15 Amps SP,5KA,MCBs

2 Jobs 6 -30 Amps SP,5KA,MCBs Each

**F. SEC-F: TELEPHONE SYSTEM:**

1. 20 Mtrs Provide and lay 5 pairs telephone cable from T&T to TJB, in 25mm dia "D" class PVC pipe recessed in slab/wall, complete with all accessories, for. Mtr

2. 1 Job Provide and install 5 pairs telephone junction box, 1.5mm thick sheet steel fabricated with hinged door, having 2 x 5 pairs telephone tag blocks. Job

S.No.	Quantity	Description	Unit	Rate in Figures Rupees	Rate in Words Rupees	Amount
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**G. SEC-G: PUBLIC ADDRESS SYSTEM:**

1. Providing, laying and connecting of wiring of Public Address system comprising of following components using 2 core speaker cable with flexible jacket (WISI Germany make) in 20mm dia PVC conduit concealed in wall/above false ceiling, as shown in the drawing.
- 101 6 Nos Speaker points Each
- 102 1 No. Mic points Each
2. Providing, installation, connection, testing and commissioning of the following Sound system components: (TOA make or equivalent).
- 201 12 Nos False ceiling mounting 6 watt speaker, TOA make. Each
- 202 1 No. CD player Each
- 203 1 No. Paging Microphone with PTTN Lock Each
3. 1 No. Providing, installation, connection, testing and commissioning of 220-watts Dual Channel Amplifier with 08 auxiliary input 03 microphone output accessories, (TOA make or equivalent) complete in all respects. Each

**H. SEC: H: EARTHING:**

1. 1 Job Provide, install, test and commission Earth point measuring an earth resistance of not more than "ONE OHM" with 600mm x 600mm x 6mm thick copper plate, buried 5 meters deep or to the depth of water table, whichever is less, fill with lime, salt and charcoal in appropriate ratio, also construct 450 x 450 x 450 deep inspection chamber, complete with heavy duty C.I. cover frame, complete in all respects as per drawings and specifications. Job
2. 30 Mtrs Provide, lay and connect 2x3/0 SWG Copper Conductor in 2" dia UPVC Pipe from inspection chamber to the MDB, buried 2'-0" deep underground complete in all respects. Mtr
3. 20 Mtrs Provide, lay and connect 2x1/0 SWG Copper Conductor in 2" dia UPVC Pipe from inspection chamber to the A/C Panel & DG Set, buried 2'-0" deep underground complete in all respects. Mtr

**TOTAL NON-SCHEDULE ITEMS (ELECTRICAL WORKS) :**

**Rs.**

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