

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

AGRICULTURAL SOCIAL SCIENCES

SUMMARY OF COST

	<u>SCHEDULE ITEM</u>	<u>NON-SCHEDULE ITEM</u>
1) CIVIL WORKS	Rs. 60,551,506.82	Rs.
Premium Above/Below (.....%)	Rs.	—
TOTAL =	Rs. _____	Rs. _____

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

2) PLUMBING WORKS	Rs. 669,781.81	Rs.
Premium Above/Below (.....%)	Rs.	—
TOTAL =	Rs. _____	# Rs. _____

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

3) ELECTRICAL WORKS	Rs. 1,925,641.00	Rs.
TOTAL =	Rs. _____	Rs. _____

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

Total (A + B + C) Rs. _____

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

AGRICULTURAL SOCIAL SCIENCES

CIVIL WORKS

SCHEDULE-B

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupee	Amount
<u>SCHEDULE ITEMS:</u>						
01.	95,800 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)	%Cft	3,176.25		304,284.75
02.	7,905 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		744,356.93
03.	1,740 Cft	Cement Concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate without shuttering): (S.I. No.5(h) and 5(i) chapter 4 of Schedule of Rates 2012)	(i) Ratio 1:3:6	%Cft	12,595.00	219,153.00
	6,530 Cft		(ii) Ratio 1:4:8 (Under Floor)	%Cft	11,288.75	737,155.38
04.	42930 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		64,931.63
05.	9,500 Sft	Erection and removal of centering for RCC or plain cement concrete works for Partal wood (Vertical). (S.I. No.19(b) chapter 4 of Schedule of Rates 2012)	%Sft	3,127.41		297,103.95
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 mambers 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.				
	50,650 Cft	a) Ground Floor	Cft	337.00		17,069,050.00
	16,970 Cft	b) First Floor	Cft	349.11		5,924,396.70
	2,710 Cft	c) Above First Floor	Cft	361.20		978,852.00
		(S.I. No.6(a)(i)(d) chapter 4 of Schedule of Rates 2012)				

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupee	Amount
07.	2,025 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		79,235.21
08.	22,520 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		621,774.95
09.		Pucca brick work in Ground Floor in cement sand mortar 1:6 including striking of joints.				
	17,100 Cft	a) Ground Floor	%Cft	12,674.36		2,167,315.56
	16,700 Cft	b) First Floor	%Cft	13,112.99		2,189,869.33
	1,715 Cft	c) Above First Floor (S.I. No.5(i)(e) chapter 5 of Schedule of Rates 2012)	%Cft	13,687.74		234,744.74
10.	21,470 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		245,026.38
11.	6,060 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		201,646.50
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.				
	390 Sft	a) Ground Floor	%Sft	27,678.86		107,947.55
	390 Sft	b) First Floor (S.I. No.24 chapter 8 of Schedule of Rates 2012)	%Sft	27,678.86		107,947.55
13.		Glazed tile dado 1/4" thick laid in pigment over 1:2 cement sand mortar 3/4" thick including finishing.				
	2,500 Cft	a) Ground Floor	%Sft	28,299.30		707,482.50
	2,500 Cft	b) First Floor (S.I. No.38 chapter 8 of Schedule of Rates 2012)	%Sft	28,299.30		707,482.50
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:				
	18,350 Sft	(a) Under Floor (S.I. No.38 chapter 7 of Schedule of Rates 2012)	Sft	10.70		196,345.00
15.		Two coats of bitumen laid hot using 34 lbs for % Sft over roof and blinded with sand at one Cft Per % Sft:				
	19,382 Sft	(a) Over Roof Top (S.I. No.13 chapter 7 of Schedule of Rates 2012)	%Sft	1,887.40		365,815.87
16.		Cement plaster 3/8" thick Ratio 1:6 (1st Coat Internal).				
	40,100 Sft	a) Ground Floor	%Sft	2,122.72		851,210.72
	39,100 Sft	b) First Floor (S.I. No.13(a) chapter 9 of Schedule of Rates 2012)	%Sft	2,122.72		829,983.52

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupee	Amount
17.		Cement plaster 3/8" thick Ratio 1:4 (2nd Coat Internal).				
	40,100 Sft	a) Ground Floor	%Sft	2,197.52		881,205.52
	39,100 Sft	b) First Floor	%Sft	2,197.52		859,230.32
		(S.I. No.11(a) chapter 9 of Schedule of Rates 2012)				
18.		Cement plaster 3/8" thick Ratio 1:6 (1st Coat External).				
	9,390 Sft	a) Ground Floor	%Sft	2,122.72		199,323.41
	7,900 Sft	b) First Floor	%Sft	2,262.72		178,754.88
	1,000 Sft	c) Above First Floor	%Sft	2,402.72		24,027.20
		(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).				
	8,390 Sft	a) Ground Floor	%Sft	2,197.52		184,371.93
	6,900 Sft	b) First Floor	%Sft	2,337.52		161,288.88
	1,000 Sft	c) Above First Floor	%Sft	2,177.52		21,775.20
		(S.I. No.11(a)+29 chapter 9 of Schedule of Rates 2012)				
20.	26 Nos	Making Khuras on Roof 2'-0" x 2'-0" x 0'-6".	Each	358.68		9,325.68
		(S.I. No.18 chapter 7 of Schedule of Rates 2012)				
21.	26 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		16,895.58
		(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).				
	2,010 Cwt	a) Ground Floor	Cwt	5,001.70		10,053,417.00
	860 Cwt	b) First Floor	Cwt	5,001.70		4,301,462.00
	120 Cwt	c) Above First Floor	Cwt	5,152.95		618,354.00
		(S.I. No.8(b) & 29 chapter 4 of Schedule of Rates 2012)				
23.		Providing & Fixing G.I frames/chowkats of size 7" x 2" or 4 1/2" 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.				
	848 Rft	a) Ground Floor	Rft	228.90		194,107.20
	848 Rft	b) First Floor	Rft	228.90		194,107.20
		(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).				
	2,511 Sft	a) Ground Floor	%Sft	2,116.41		53,143.06
	2,511 Sft	b) First Floor	%Sft	2,116.41		53,143.06
		(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 Rupee	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).				
	40,100 Sft	a) Ground Floor	%Sft	2,237.95		897,417.95
	39,100 Sft	b) First Floor (S.I. No.40(A&B) chapter 9 of Schedule of Rates 2012)	%Sft	2,237.95		875,038.45
26.		Distempering (3 coats) (on ceiling).				
	18,350 Sft	a) Ground Floor	%Sft	1,079.65		198,115.78
	17,360 Sft	b) First Floor (S.I. No.24(c) chapter 9 of Schedule of Rates 2012)	%Sft	1,079.65		187,427.24
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).				
	9,390 Sft	a) Ground Floor	%Sft	2,567.95		241,130.51
	7,900 Sft	b) First Floor	%Sft	2,567.95		202,868.05
	1,000 Sft	c) Above First Floor (S.I. No.38(A&B)&42 chapter 9 of Schedule of Rates 2012)	%Sft	2,796.04		27,960.40
28.	22,000 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). (S.I. No.92 chapter 18 of Schedule of Rates 2012)	Sft	9.74		214,280.00
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).				
	1,050 Sft	a) Ground Floor	Sft	1,592.69		1,672,324.50
	1,050 Sft	b) First Floor (S.I. No.84(a) chapter 18 of Schedule of Rates 2012)	Sft	1,592.69		1,672,324.50
30.	576 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). (S.I. No.26 chapter 17 of Schedule of Rates 2012)	Sft	180.50		103,968.00
31.	2,700 Sft	Preparing surface and painting sashes, fan light glazed or gauzed door and window grill etc. any type (including edges). (S.I.No.5(d)(i)&(ii) chapter 11 of Schedule of Rates 2012)	%Sft	1,270.83		34,312.41

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupee	Amount
32.	4,071 Bag	Difference of cost of S.R. cement and Portland cement. (S.I.No.45(a) and 45(b) Page-4 of Schedule of Rate of Material 2011)	Bag	40.00		162,840.00
33.	72 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		104,454.72

TOTAL SCHEDULE ITEMS (CIVIL WORKS) : Rs. 60,551,506.82

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

AGRICULTURAL SOCIAL SCIENCES

CIVIL WORKS

SCHEDULE-B

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

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|-----|-----------|--|-----|--|--|--|
| 01. | 2,000 Sft | Providing and laying Gutta 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 | | | |
| 02. | 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 | | | |
| 03. | | 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. | | | | |
| | 710 Rft | a) 110 mm dia (4" dia for Rain water) | Rft | | | |

S.No.	Quantity	Description	Unit	Rate in Figures Rupees	Rate in Words Rupees	Amount
04.	1,752 Sft	Providing and fixing 1½" 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			
05.		Providing and fixing steel windows and ventilators of required Z & T section fully glazed openable or hinged and partly fixed using 5mm thick glass fixed with mastic filler and best quality deodar beading of 3/4" 1/2" size complete with iron lugs for fixing frame including galvanized steel fittings including painting primer coat of anti-corrosive paint (red oxide) of approved manufacturers as per drawings and specifications (For all floors).				
	956 Sft	a) All Floors	Sft			
06.	380 Rft	Providing and fixing expansion joint of 16 gauge and 6" wide aluminium sheet cover, with one end fixed with stainless steel screws and the other end kept free as per drawing and specifications complete (over the top roof).	Rft			
07.	235 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 specifications complete (over the top roof).	Rft			
08.	1220 Sft	Providing and fixing in position thermopor board in expansion joint 1" thick in between different member of RCC work including column, slab and beam etc; as per drawings and specifications (For all floor).	Sft			
09.	100 Rft	Providing and filling expansion joints 1"x1" size epoxy filer made of Zahibia make including proper finishing and smooth filling etc; as per drawing and manufacturer's specification and as directed by the Engineer Incharge.	Rft			

S.No.	Quantity	Description	Unit	Rate in Figures Rupees	Rate in Words Rupees	Amount
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10. 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"

19875	Sft	a) Ground Floor	Sft			
19875	Sft	b) First Floor	Sft			

11. 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.

1540	Sft	a) Ground Floor	Sft			
1540	Sft	b) First Floor	Sft			

TOTAL NON-SCHEDULE ITEMS : **Rs.** _____

**KHAIRPUR COLLEGE OF AGRICULTURE & MANAGEMENT SCIENCES,
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AGRICULTURAL SOCIAL SCIENCES

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 Chapter-10 of Schedule of Rate of 2012)				
	200 Rft	a) RCC Pipe 4" dia	Rft	146.57		29,314.00
	500 Rft	b) RCC Pipe 6" dia	Rft	199.25		99,625.00
	150 Rft	c) RCC Pipe 9" dia	Rft	250.60		37,590.00
02.	16 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		19,090.72
03.	21 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		22,499.40
04.	9 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, Chapter-2 of Schedule of Rate of 2012)	Each	5,339.40		48,054.60
05.	12 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)(i) Page-2)	Each	5,836.60		70,039.20

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
06.	14 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		72,690.38
07.	28 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		12,520.20
08.	22 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		3,320.24
09.	14 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		11,134.20
10.	14 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		48,048.00
11.	22 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		18,566.24
12.	14 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		23,962.40
13.	14 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		15,161.30
14.	22 Nos	Supplying and fixing 3/4" dia handle valve (China). (S.I. No.5(ii) Page-17)	Each	271.92		5,982.24
15.	10 Nos	Supplying and fixing 1" dia handle valve (China). (S.I. No.5(iii) Page-17)	Each	365.42		3,654.20
16.	9 Nos	Supplying and fixing 1-1/2" dia handle valve (China). (S.I. No.5(v) Page-17)	Each	640.42		5,763.78

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
17.	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
18.	13 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		63,773.71

TOTAL SCHEDULE ITEMS (PLUMBING WORKS) : Rs. 669,781.81

**KHAIRPUR COLLEGE OF AGRICULTURE & MANAGEMENT SCIENCES,
KHAIRPUR MIR'S
AGRICULTURAL SOCIAL SCIENCES
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. 2 Nos 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.
- 275 Rft a) 17 mm dia (3/4" dia) Rft
- 175 Rft b) 25 mm (1" dia) Rft
- 225 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, cowels, 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:
- 40 Rft a) 75 mm dia (3" dia:) Rft
- 25 Rft b) 110 mm dia (4" dia:) Rft
- 30 Rft c) 150 mm dia (6" dia:) Rft

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

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

AGRICULTURAL SOCIAL SCIENCES

ELECTRICAL WORKS

SCHEDULE-B

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

1. 894 Point Wiring for light or fan point with (3/.029") PVC insulated wire in 20 mm² (3/4") PVC conduit recessed in slab/wall/column as required.
(Schedule Item No. 124-p15) Point 1130.00
2. 242 Point Wiring for plug point with (3/.029") PVC insulated wire in 20 mm² (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. 187 Point Providing & fixing brass ceiling fan 56" (good quality).
(Schedule Item No. 231-p33) Point 3185.00
5. 50 Mtrs Providing & laying (MAIN or SUB MAIN) PVC insulated with size 4-7/.064 (16mm²) copper conductor in 1-1/2" dia PVC conduit on surface.
(Schedule Item No. 42 -p6) Per Mtr. 1213.00
6. 242 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

1,010,220.00

238,370.00

720.00

595,595.00

60,650.00

20,086.00

1,925,641.00

KHAIRPUR COLLEGE OF AGRICULTURE & MANAGEMENT SCIENCE
KHAIRPUR MIR'S
AGRICULTURAL SOCIAL SCIENCES
ELECTRICAL WORKS
SCHEDULE-B

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

A. SEC-A: WIRING INSTALLATIONS:

1		Provide, wire and connect 2 x 2.5mm ² + 1x1.5 sq. mm S/C PVC cable in 20mm dia high impact PVC conduit recessed in slab/wall, complete with all accessories, for:			
101	290 Nos	Circuits for light/fan points	Each		
2		Provide, fix and connect following accessories 1.5mm thick sheet steel back box of appropriate dimensions surface on walls:			
201	73 Nos	Two gang switch plate.	Each		
202	21 Nos	Three gang switch plate.	Each		
203	22 Nos	Four gang switch plate.	Each		
204	187 Nos	Solid state fan dimmer with "ON-OFF" control.	Each		
205	50 Nos	Telephone outlet plates with Jack plug.	Each		
206	24 Nos	Split A/C point.	Each		
207	21 Nos	Wiring of Exhaust Fan points.	Each		

B. SEC: B: LIGHT FITTINGS & FIXTURES:

1.		Provide, fix, connect and commission light fixtures Philips make or equivalent with Philips components as approve, complete in all respects and ready for use:			
101.	64 Nos	Philips Type TFD-240 or equivalent complete with 2x40 W fluorescent lamps.	Each		
102.	429 Nos	Philips Type GKD-240 or equivalent complete with 2x40 W fluorescent lamps.	Each		
103.	29 Nos	Light fixture ceiling mounted with 1x24W PLCE lamp.	Each		
02.		Provide, install, connect and commission Exhaust fan, complete in all respects:			
201.	21 Nos	9" dia exhaust fan.	Each		

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees
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C. SEC: C: FEEDERS:

1. 50 Mtrs Provide lay and connect feeder from Main Source to Main DB, 50mm² 3 1/2 core PVC/PVC cable in 100mm dia high impact PVC conduit, complete with all accessories. Mtr

D. SEC: D: DISTRIBUTION BOARDS:

1. Provide, install, connect and commission MAIN DB-G, 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 - 175 Amp, TP, 15 KA, MCCB:
3 - Phase indicating lamps:
1 - Set of Bus bars

Outgoing:

- 1 Job 5 - 60 Amps TP, 15 KA, MCB Each

2. Provide, install, connect and commission DB-F1, G1 & G2, F2, 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 - 60 Amp, TP, 15 KA, MCCB:
3 - Phase indicating lamps:
1 - Set of Bus bars

Outgoing:

- 4 Jobs 18 - 10 Amps SP, 7.5 KA, MCBs
12 - 15 Amps SP, 7.5 KA, MCBs
6 - 30 Amps SP, 7.5 KA, MCBs Each

E. SEC: E: 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 5mm 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 with frame, complete in all respects as per drawings and specifications. Each
2. 10 Mtrs Provide, lay and connect 2x8 SWG copper conductors in 32mm dia G.I. Pipe from earth plate to DB. Mtr

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees
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F. SEC: F: TELEPHONE SYSTEM:

01.	80	Mtrs	Provide, lay and connect 5 pairs telephone cable, laid in 25mm dia D CLASS PVC conduit recessed underground, complete with all accessories.	Mtr	
02.	2	Jobs	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	
03.	50	Nos	Provide, wire and connect telephone points wired with 2 pairs telephone cable in 20mm dia high impact PVC conduit recessed in floor/wall, complete with all accessories.	Each	

TOTAL NON-SCHEDULE ITEMS: Rs.

₹,

Amount

Amount

Amount

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