

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

AGRICULTURAL ENGINEERING WORKSHOP

SUMMARY OF COST

	<u>SCHEDULE ITEM</u>	<u>NON-SCHEDULE ITEM</u>
1) CIVIL WORKS	Rs. 22,103,073.18	Rs.
Premium Above/Below (.....%)	Rs.	—
TOTAL =	Rs. _____	Rs. _____

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

2) PLUMBING WORKS	Rs. 363,524.00	Rs.
Premium Above/Below (.....%)	Rs.	—
TOTAL =	Rs. _____	# Rs. _____

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

3) ELECTRICAL WORKS	Rs. 509,060.00	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 ENGINEERING WORKSHOP

CIVIL WORKS

SCHEDULE-B

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
<u>SCHEDULE ITEMS:</u>						
01.	43,765 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)	%0Cft	3,176.25		139,008.58
02.	3,610 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		339,927.71
03.	2,240 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	282,128.00
	3,250 Cft		(ii) Ratio 1:4:8 (Under Floor)	%Cft	11,288.75	366,884.38
04.	32790 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		49,594.88
05.	1,200 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		37,528.92
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.				
	26,585 Cft	a) Ground Floor	Cft	337.00		8,959,145.00
	320 Cft	b) Above First Floor	Cft	349.11		111,715.20
		(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 Rupees	Amount
07.	930 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		36,389.51
08.	7,000 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		193,269.30
09.	10,800 Cft	Pucca brick work in Ground Floor in cement sand mortar 1:6 including striking of joints. a) Ground Floor (S.I. No.5(i)(e) chapter 5 of Schedule of Rates 2012)	%Cft	12,674.36		1,368,830.88
10.	11,390 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		129,988.38
11.	3,260 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		108,476.50
12.	405 Sft	Laying floors of approved white glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete. a) Ground Floor (S.I. No.24 chapter 8 of Schedule of Rates 2012)	%Sft	27,678.86		112,099.38
13.	450 Cft	Glazed tile dado 1/4" thick laid in pigment over 1:2 cement sand mortar 3/4" thick including finishing. a) Ground Floor (S.I. No.38 chapter 8 of Schedule of Rates 2012)	%Sft	28,299.30		127,346.85
14.	5,440 Sft	Providing & laying C.C. topping cement concrete (1:2:4) i/c surface finishing and dividing into pannels: (a) 3" thick in work shops (S.I. No.16(c) & (d) chapter 8 of Schedule of Rates 2012)	%Sft	4,411.82		240,003.01
15.	10,250 Sft	Providing and laying single per layer of polythene sheet 0.13 mm thick for water proofing as per specification and instructions of Engineer Incharge: (a) Under Floor (S.I. No.38 chapter 7 of Schedule of Rates 2012)	Sft	10.70		109,675.00
16.	10,250 Sft	Two coats of bitumen laid hot using 34 lbs for % Sft over roof and blinded with sand at one Cft Per % Sft: (a) Over Roof Top (S.I. No.13 chapter 7 of Schedule of Rates 2012)	%Sft	1,887.40		193,458.50
17.	12,000 Sft	Cement plaster 3/8" thick Ratio 1:6 (1st Coat Internal). a) Ground Floor (S.I. No.13(a) chapter 9 of Schedule of Rates 2012)	%Sft	2,122.72		254,726.40

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
18.	12,000 Sft	Cement plaster 3/8" thick Ratio 1:4 (2nd Coat Internal). a) Ground Floor (S.I. No.11(a) chapter 9 of Schedule of Rates 2012)	%Sft	2,197.52		263,702.40
19.	8,140 Sft 5,335 Sft	Cement plaster 3/8" thick Ratio 1:6 (1st Coat External). a) Ground Floor b) Above Ground Floor (S.I. No.13(a)+29 chapter 9 of Schedule of Rates 2012)	%Sft %Sft	2,122.72 2,262.72		172,789.41 120,716.11
20.	7,590 Sft 4,785 Sft	Cement plaster 3/8" thick Ratio 1:4 (2nd Coat External). a) Ground Floor b) Above Ground Floor (S.I. No.11(a)+29 chapter 9 of Schedule of Rates 2012)	%Sft %Sft	2,197.52 2,337.52		166,791.77 111,850.33
21.	10 Nos	Making Khuras on Roof 2'-0" x 2'-0" x 0'-6". (S.I. No.18 chapter 7 of Schedule of Rates 2012)	Each	358.68		3,586.80
22.	10 Nos	Bottom Khuras of brick masonry in cement mortar 1:6 4'x2'x4'1/2", 3" cement concrete (1:4:8). (S.I. No.19 chapter 7 of Schedule of Rates 2012)	Each	649.83		6,498.30
23.	1,168 Cwt	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). a) Ground Floor (S.I. No.8(b) chapter 4 of Schedule of Rates 2012)	Cwt	5,001.70		5,841,985.60
24.	450 Rft	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. a) Ground Floor (S.I. No.29 chapter 17 of Schedule of Rates 2012)	Rft	228.90		103,005.00
25.	490 Sft	First class deodar wood, wrought joinery in doors & windows etc, fixed in position i/c chowkats, hold fasts, cleats, handles & cords with hooks etc. Deodar paneled or paneled & glazed or fully glazed. 1-3/4" thick (shutter only). a) Ground Floor (S.I. No.7(b)-25(b) chapter 10 of Schedule of Rates 2012)	Sft	902.93		442,435.70
26.	500 Sft	Preparing new surface and 2 coats of painting over priming coat on doors and windows any type (including edges). a) Ground Floor (S.I. No.5(c)(i) & (ii) chapter 11 of Schedule of Rates 2012)	%Sft	2,116.41		10,582.05

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
27.		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).				
	12,000 Sft	a) Ground Floor (S.I. No.40(A&B) chapter 9 of Schedule of Rates 2012)	%Sft	2,237.95		268,554.00
28.		Distempering (3 coats) (on ceiling).				
	10,250 Sft	a) Ground Floor (S.I. No.24(c) chapter 9 of Schedule of Rates 2012)	%Sft	1,079.65		110,664.13
29.		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).				
	8,140 Sft	a) Ground Floor	%Sft	2,567.95		209,031.13
	5,335 Sft	b) Above Ground Floor (S.I. No.38(A&B) chapter 9 of Schedule of Rates 2012)	%Sft	2,567.95		137,000.13
30.	11,000 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		107,140.00
31.		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).				
	150 Sft	a) Ground Floor (S.I. No.84(a) chapter 18 of Schedule of Rates 2012)	Sft	1,592.69		238,903.50
32.		Supplying and fixing in position Aluminium channels framing for hinged doors of Alcop made with 5 mm thick tinted glass glazing (Belgium) and Alpha (Japan) locks including handles, stoppers etc. Deluxe model (White) with glazed partition.				
	133 Sft	a) Ground Floor (S.I. No.83(a) chapter 18 of Schedule of Rates 2012)	Sft	1,450.76		192,951.08
33.	640 Sft	Providing and fixing G.I sheet roling shutter using 2 gauge G.I sheet for shutter, side iron channel of 12 gauge for rolling on 2" dia C.I. pipe including bracket of 20 gauge springs of requisite size and rolling pulley, necessary hold fasts, nuts bolts, welding, greasing, all carriage, T&P required for making and fixing in masonry bore. (S.I. No.33 chapter 17 of Schedule of Rates 2012)	Sft	264.96		169,574.40

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
34.	500 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		90,250.00
35.	600 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		7,624.98
36.	4,181 Bags	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		167,240.00

TOTAL SCHEDULE ITEMS (CIVIL WORKS) : Rs. 22,103,073.18

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

AGRICULTURAL ENGINEERING WORKSHOP

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. | 1,100 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. | | 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. | | | | |
| | 222 Rft | a) 110 mm dia (4" dia for Rain water) | Rft | | | |
| 03. | | Providing and laying Porcelain Tiles Floor of approved size, design and quality laid over 1 3/4" 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" | | | | |
| | 4500 Sft | a) Ground Floor | Sft | | | |

S.No.	Quantity	Description	Unit	Rate in Figures Rupees	Rate in Words Rupees	Amount
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04. 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.

900 Sft a) Ground Floor Sft

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

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

AGRICULTURAL ENGINEERING WORKSHOP

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.	8 Nos.	Providing & fixing C.P. Brass Towel Rail complete with bracket fixing on wooden cleats with 1" long C.P. brass screws, 30" long 3/4" dia (round standard quality). (S.I. No.1(ii)(a) Chapter-2 of Schedule of Rate of 2012)	Each	1,082.95		8,663.60
02.	4 Nos.	Providing & fixing 24"x18" bevelled edge mirror of Belgium Glass complete with 1/8" thick C.P. Brass Towel Rail complete with bracket fixing on wooden cleats with 1" long C.P. brass screws, 30" long 3/4" dia (round standard quality). (S.I. No.3(a) Chapter-2 of Schedule of Rate of 2012)	Each	1,711.60		6,846.40
03.		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(b), (c) & (d) Chapter-10 of Schedule of Rate of 2012)				
	200 Rft	a) RCC Pipe 6" dia	Rft	199.25		39,850.00
	100 Rft	b) RCC Pipe 9" dia	Rft	250.60		25,060.00
04.	4 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		4,772.68
05.		Providing and fixing full way gunmetal valves with wheels threaded or flanged ends with rubber washers, standard pattern. (Note: Standard manufacturer by M/s. Anwar Mechanical Works) (S.I.No.4(B)(ii),(iii)&(v), Chapter-6 of Schedule of Rate of 2012)				
	2 Nos	a) 1 1/2" dia	Each	970.92		1,941.84
	4 Nos	b) 1" dia	Each	271.92		1,087.68
	2 Nos	c) 3/4" dia	Each	227.92		455.84
06.	10 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		5,097.40

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
07.	8 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		8,571.20
08.	8 Nos.	Supplying and fixing C.P. Muslim shower with double bib cock and ring pipe etc; complete. (S.I.No. 19(a), Chapter-6 of Schedule of Rate of 2012)	Each	3,432.00		27,456.00
09.	10 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 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) Chaper-2 of P.H. Engg. of 2012)	Each	14,748.00		147,480.00
10.	4 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 hingels and buffers, 3 gallons plastic flushing cisternen with fitting and clamps 3/4" dia and cutting and making requisite number of holes in walls plinth and floor for pipe connection and making good in cement concrete 1:2:4. (S.I. No.4 Page-2 Chapter-1 of Schedule of Rate of 2012)	Each	5,339.40		21,357.60
11.	8 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-3 Chapter-1 of Schedule of Rate of 2012)	Each	5,192.17		41,537.36

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
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12. 4 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.

Each 5,836.60

23,346.40

(S.I. No.3(a)(i) Page-2)

TOTAL SCHEDULE ITEMS (PLUMBING WORKS) : Rs. 363,524.00

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

AGRICULTURAL ENGINEERING WORKSHOP

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. Providing and laying PPRC pipe and fittings to specification DIM 8077-8078 including all necessary fittings (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.

200	Rft	a) 20 mm dia (1/2" dia:)	Rft		
75	Rft	b) 25 mm dia (3/4" dia:)	Rft		
50	Rft	c) 32 mm dia (1" dia:)	Rft		
100	Rft	d) 50 mm dia (1½" dia:)	Rft		

02. 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.

75	Rft	a) 75 mm dia (3" dia:)	Rft		
50	Rft	b) 110 mm dia (4" dia:)	Rft		

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

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

AGRICULTURAL ENGINEERING WORKSHOP

ELECTRICAL WORKS

SCHEDULE-B

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

1.	208 Point	Wiring for light or fan point with (3/.029") PVC insulated wire in 20 mm ² (3/4") PVC conduit recessed in slab/wall/column as required. (Schedule Item No. 124-p15)	Point	1130.00		235,040.00
2.	50 Point	Wiring for plug point with (3/.029") PVC insulated wire in 20 mm ² (3/4") PVC conduit recessed in the wall or column as required. (Schedule Item No. 126-p15)	Point	985.00		49,250.00
3.	10 Point	Providing & fixing bakelite ceiling rose with two terminals. (Schedule Item No. 228-p33)	Point	72.00		720.00
4.	50 Point	Providing & fixing brass ceiling fan 56" (good quality). (Schedule Item No. 231-p33)	Point	3185.00		159,250.00
5.	50 Mtrs	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 4-7/.064 (16mm ²) copper conductor in 1-1/2" dia PVC conduit on surface. (Schedule Item No. 42 -p6)	Per Mtr.	1213.00		60,650.00
6.	50 Point	Providing & fixing two pin 5amp plug socket flush type. (Schedule Item No. 225 -p33)	Point	83.00		4,150.00

TOTAL SCHEDULE ITEMS (ELECTRICAL WORKS) : Rs. 509,060.00

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

ELECTRICAL WORKS

SCHEDULE-B

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupee	Amount
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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	30 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	4 Nos	One gang switch plate.	Each			
202	32 Nos	Two gang switch plate.	Each			
203	4 Nos	Three gang switch plate.	Each			
204	7 Nos	Four gang switch plate.	Each			
205	50 Nos	Solid state fan dimmer with "ON-OFF" control.	Each			
206	12 Nos	Telephone outlet plates with Jack plug.	Each			
207	8 Nos	Split A/C point.	Each			
208	8 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.	21 Nos	Philips Type TFD-240 or equivalent complete with 2x40 W fluorescent lamps.	Each			
102.	112 Nos	Philips Type GKD-240 or equivalent complete with 2x40 W fluorescent lamps.	Each			
103.	2 Nos	Philips Type TMS-140 or equivalent complete with 1x40 W fluorescent lamps.	Each			
104.	10 Nos	Light fixture ceiling mounted with 1x24W PLCE lamp.	Each			

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupee	Amount
02.		Provide, install, connect and commission Exhaust fan, complete in all respects:				
201.	8 Nos	12" dia exhaust fan.	Each			
C.		SEC: C: <u>FEEDERS:</u>				
1.	40 Mtrs	Provide lay and connect feeder from Main Source to Main DB, 50mm ² 3 1/2 core PVC/PVC cable in 100mm dia high impact PVC conduit, complete with all accessories.	Mtr			
D.		SEC: D: <u>DISTRIBUTION BOARDS:</u>				
01.		Provide, install, connect and commission DB-WS1, 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: <i>Incoming:</i> 1 - 50 Amp, TP, 15 KA, MCCB: 3 - Phase indicating lamps: 1 - Set of Bus bars <i>Outgoing:</i> 15 - 10 Amps SP, 7.5 KA, MCBs 6 - 15 Amps SP, 7.5 KA, MCBs				
	2 Jobs	6 - 30 Amps SP, 7.5 KA, MCBs	Each			
E.		SEC: E: <u>EARTHING:</u>				
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.	30 Mtrs	Provide, lay and connect 2x8 SWG copper conductors in 32mm dia G.I. Pipe from earth plate to DB.	Mtr			
F.		SEC: F: <u>TELEPHONE SYSTEM:</u>				
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.	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 Figure Rupees	Rate in Words Rupee	Amount
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03. 12 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 (ELECTRICAL WORKS) : Rs. _____