

Issued to Mr. _____

Vide D.R. No. _____ dated _____.

T E N D E R F O R W O R K S

I/We hereby tender for the execution, for the Government of Sindh/ Chancellor of Sindh Agriculture University, Tando Jam (hereinbefore and hereinafter referred to as "University of the work specified in the underwritten memorandum within the time specified in such memorandum at _____ % above/below Part-I, and at _____ %Above/Below Part-II, and at _____ %Above/Below Part-III the estimated rates entered in schedule "B" memorandum showing items of work to be carried out) and in accordance in all respects with the Specifications, designs, drawings and instructions in written referred to in Rule 1 hereof and in clause 13 of the annexed conditions of contract and agree that when materials for the work are provided by the University such materials and rates to be paid for them shall be as provided in schedule, A, hereto.

M E M O R A N D U M

General Description: **Construction of Additional Infrastructure Faculty of Crop Protection SAU Tandojam.**

- (g) Estimate cost. Rs:
- (h) Earnest money. Rs: **3%**
- (i) Security deposit i/c earnest money. Rs: **10.**
- (j) Percentage if any to be deducted Rs:
From bills (Rupees _____) percent.
- (k) Time allowed for the completion of work from date of written order to commence **12 month(s).**

Should this tender be accepted I/We hereby agree to abide by and fulfill all the terms and provisions of the conditions of contract annexed hereto so far as applicable, and in default there of to forfeit and pay to University the sums of money mentioned in the said conditions.

Receipt No. _____ dated _____ from the _____ Bank at _____ in respect of the sum of Rs. _____ is herewith forwarded presenting the earnest Money / (a) the full value of which is to be absolutely forfeited to University should I/We not deposit the full amount of security deposit specified in the above memorandum, in accordance with clause 1 (A) of the said conditions, otherwise the said sum of Rs. _____ shall be retained by University on account of such security deposit as aforesaid / or (b) the full value of which shall be retained by University on account of the security deposit in clause (B) of the condition.

Dated the _____ day of _____ 2016

CONTRACTOR

The above tender is hereby accepted by me on behalf of the Governor of Sindh/Chancellor, Sindh Agriculture University Tando Jam.

SINDH AGRICULTURE UNIVERSITY, TANDOJAM

CROP PROTECTION

SUMMARY OF COST

	<u>SCHEDULE ITEM</u>	<u>NON-SCHEDULE</u>
1) CIVIL WORKS	Rs. 33,901,494.61	Rs.
Below/ above _____ % premium on Schedule items:	Rs.	
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TOTAL =	Rs.	Rs.
2) PLUMBING WORKS	Rs. 212,494.38	Rs.
Below/ above _____ % premium on Schedule items:	Rs.	
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TOTAL =	Rs.	Rs.
3) ELECTRICAL WORKS	Rs. 851,559.00	Rs.
Below/ above _____ % premium on Schedule items:	Rs.	
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TOTAL =	Rs.	Rs.
Grand Total =	Rs.	Rs.
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Total Schedule + Non-Schedule Items: Rs. _____

Say : Rs. _____

SINDH AGRICULTURE UNIVERSITY, TANDOJAM

CROP PROTECTION

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.	64155 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		203,772.32
02.	5045 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		475,051.33
03.	3210 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) & 12 (a&b) and 5(i) chapter 4 of Schedule of Rates 2012)	(i) Ratio 1:3:6	%Cft	12,595.00	404,299.50
	3940 Cft		(ii) Ratio 1:4:8 (Under Floor)	%Cft	11,288.75	444,776.75
04.	5675 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		177,480.52
05.		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.				
	23780 Cft	a) Ground Floor	Cft	337.00		8,013,860.00
	8925 Cft	b) First Floor	Cft	349.11		3,115,806.75
	390 Cft	c) Above First Floor (S.I. No.6(a)(i) chapter 4 of Schedule of Rates 2012)	Cft	361.20		140,868.00
06.	1040 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		40,693.64

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
07.	13705 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		378,393.68
08.		Pucca brick work in Ground Floor in cement sand mortar 1:6 including striking of joints.				
	5070 Cft	a) Ground Floor	%Cft	12,674.36		642,590.05
	5070 Cft	b) First Floor	%Cft	13,112.99		664,828.59
	2070 Cft	c) Above First Floor (S.I. No.5(i)(e) chapter 5 of Schedule of Rates 2012)	%Cft	13,687.74		283,336.22
09.	18370 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		209,647.63
10.	4910 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		163,380.25
11.		Laying floors of approved white glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete.				
	195 Sft	a) Ground Floor	%Sft	27,678.86		53,973.78
	195 Sft	b) First Floor (S.I. No.24 chapter 8 of Schedule of Rates 2012)	%Sft	27,678.86		53,973.78
12.		Glazed tile dado 1/4" thick laid in pigment over 1:2 cement sand mortar 3/4" thick including finishing.				
	645 Cft	a) Ground Floor	%Sft	28,299.30		182,530.49
	645 Cft	b) First Floor (S.I. No.38 chapter 8 of Schedule of Rates 2012)	%Sft	28,299.30		182,530.49
13.		Providing & laying 2" thick topping cement concrete (1:2:4) i/c surface finishing and dividing into pannels.				
	3265 Sft	(a) Floor	%Sft	3,275.50		106,945.08
	8660 Sft	(b) Over Roof Top (S.I. No.16(c) & 18 chapter 8 of Schedule of Rates 2012)	%Sft	3,956.14		342,601.72
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:				
	8995 Sft	(a) Under Floor	Sft	10.70		96,246.50
	8660 Sft	(b) Over Roof Top (S.I. No.38 chapter 7 of Schedule of Rates 2012)	Sft	10.70		92,662.00
15.		Two coats of bitumen laid hot using 34 lbs for % Sft over roof and blinded with sand at one Cft Per % Sft:				
	8195 Sft	(a) Under Floor	%Sft	1,887.40		154,672.43
	8160 Sft	(b) Over Roof Top (S.I. No.13 chapter 7 of Schedule of Rates 2012)	%Sft	1,887.40		154,011.84

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
24.		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).				
	70 Sft	a) Ground Floor	Sft	902.93		63,205.10
	200 Sft	b) First Floor	Sft	902.93		180,586.00
		(S.I. No.7(b)-25(d) chapter 10 of Schedule of Rates 2012)				
25.		Preparing new surface and 2 coats of painting over priming coat on doors and windows any type (including edges).				
	1472 Sft	a) Ground Floor	%Sft	2,116.41		31,153.56
	1472 Sft	b) First Floor	%Sft	2,116.41		31,153.56
		(S.I. No.5(c)(i) & (ii) chapter 11 of Schedule of Rates 2012)				
26.		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).				
	16800 Sft	a) Ground Floor	%Sft	2,237.95		375,975.60
	16800 Sft	b) First Floor	%Sft	2,237.95		375,975.60
	510 Sft	c) Above First Floor	%Sft	2,237.95		11,413.55
		(S.I. No.40(A&B) chapter 9 of Schedule of Rates 2012)				
27.		Distemping (3 coats) (on ceiling).				
	8995 Sft	a) Ground Floor	%Sft	1,079.65		97,114.52
	8995 Sft	b) First Floor	%Sft	1,079.65		97,114.52
	160 Sft	c) Above First Floor	%Sft	1,079.65		1,727.44
		(S.I. No.24(c) chapter 9 of Schedule of Rates 2012)				
28.		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).				
	10995 Sft	a) Ground Floor	%Sft	2,567.95		282,346.10
	10995 Sft	b) First Floor	%Sft	2,567.95		282,346.10
	3560 Sft	c) Above First Floor	%Sft	2,567.95		91,419.02
		(S.I. No.38(A&B) chapter 9 of Schedule of Rates 2012)				
29.	9320 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		90,776.80
		(S.I. No.92 chapter 18 of Schedule of Rates 2012)				

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
30.		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 (Bronze) with glazed partition.				
	168 Sft	a) Ground Floor (S.I. No.83(b) chapter 18 of Schedule of Rates 2012)	Sft	1,507.66		253,286.88
31.		Supplying and fixing in position Aluminium Deluxe model (Bronze) 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 (Bronze).				
	856 Sft	a) Ground Floor	Sft	1,647.69		1,410,422.64
	964 Sft	b) First Floor (S.I. No.84(b) chapter 18 of Schedule of Rates 2012)	Sft	1,647.69		1,588,373.16
32.	1160 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		209,380.00
33.	2945 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		37,425.94
34.	4660 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		186,400.00

TOTAL SCHEDULE ITEMS: Rs.

33,901,494.61

SINDH AGRICULTURE UNIVERSITY, TANDOJAM

CROP PROTECTION

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

01. 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. (RA attached).
- i) Size of Tile 12" x 12"
- | | | | | | | |
|------|-----|-----------------|-----|--|--|--|
| 7500 | Sft | a) Ground Floor | Sft | | | |
| 7500 | Sft | b) First Floor | Sft | | | |
02. Providing and laying 12" x 6" size Porcelain 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. (RA attached).
- | | | | | | | |
|-----|-----|-----------------|-----|--|--|--|
| 995 | Sft | a) Ground Floor | Sft | | | |
| 995 | Sft | b) First Floor | Sft | | | |
03. 470 Rft Providing and fixing balustrade of Mild steel 3/4" square bars fixed with 1" x 1/4" mild steel flat to 6" x 3" sheesham wood 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 enamelled paint over a priming coat of anticorrosive (red oxide) of approved manufacture's (3'-0" high for stair steps and for open area) for all floor.
(Market Rate).
- Rft

S.No.	Quantity	Description	Unit	Rate in Figures Rupees	Rate in Words Rupees	Amount
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04. 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. (RA attached).

360 Rft a) 110 mm dia (4" dia for Rain water) Rft

05. 605 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). (Market Rate).

Sft

TOTAL NON-SCHEDULE ITEMS:

Rs.

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SINDH AGRICULTURE UNIVERSITY, TANDOJAM

CROP PROTECTION

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.	8 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		13,692.80
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 Chapter-10 of Schedule of Rate of 2012)				
	60 Rft	a) RCC Pipe 4" dia	Rft	146.57		8,794.20
	130 Rft	b) RCC Pipe 6" dia	Rft	199.25		25,902.50
	50 Rft	c) RCC Pipe 9" dia	Rft	250.60		12,530.00
04.	8 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		9,545.36
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), Chapter-6 of Schedule of Rate of 2012)				
	2 Nos	a) 1 1/2" dia	Each	970.92		1,941.84
	2 Nos	b) 1" dia	Each	271.92		543.84
	2 Nos	c) 3/4" dia	Each	227.92		455.84
06.	20 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		10,194.80

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
07.	4 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		4,285.60
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.	6 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) Chaper-II of P.H. Engg. of 2012)	Each	14,748.00		88,488.00

TOTAL SCHEDULE ITEMS: Rs.

212,494.38

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
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04. 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.
(R.A. Attached)

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

05. 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.
(R.A. Attached)

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

06. 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.
(Market Rate)

Each

07. 1 No. Supply, erecting and fixing in position fiber glass overhead water tank of required gallons capacity of approved design with all accessories with inlet and outlet connection, paint etc; complete and as directed by the Engineer Incharge (2000 Gallons).
(Market Rate)

Each

TOTAL NON-SCHEDULE ITEMS: Rs.

SINDH AGRICULTURE UNIVERSITY, TANDO JAM

CROP PROTECTION

ELECTRICAL WORKS

SCHEDULE "B"

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

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|----|-----------|--|----------|---------|--|------------|
| 1. | 335 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 | | 378,550.00 |
| 2. | 183 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 | | 180,255.00 |
| 3. | 12 Point | Providing & fixing bakelite ceiling rose with two terminals.
(Schedule Item No. 228-p33) | Point | 72.00 | | 864.00 |
| 4. | 83 Point | Providing & fixing brass ceiling fan 56" (good quality)
(Schedule Item No. 231-p33) | Point | 3185.00 | | 264,355.00 |
| 5. | 10 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 | | 12,130.00 |
| 6. | 4 Point | Providing & fixing one way SP 5amp switch flush type.
(Schedule Item No. 219 -p33) | Point | 54.00 | | 216.00 |
| 7. | 183 Point | Providing & fixing two pin 5amp plug socket flush type.
(Schedule Item No. 225 -p33) | Point | 83.00 | | 15,189.00 |

TOTAL SCHEDULE ITEMS (ELECTRICAL WORKS) : Rs. 851,559.00

SINDH AGRICULTURE UNIVERSITY, TANDO JAM

CROP PROTECTION

ELECTRICAL WORKS

SCHEDULE "B"

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	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	18	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	38	Nos Two gang switch plate.	Each			
202	83	Nos Solid state fan dimmer with "ON-OFF" control.	Each			
203	20	Nos Telephone outlet plates with Jack plug.	Each			
204	1	No. TV outlet plate.	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.	176	Nos Philips Type TFD-240 or equivalent complete with 2x40 W fluorescent lamps.	Each			
102.	40	Nos Philips Type GKD-240 or equivalent complete with 2x40 W fluorescent lamps.	Each			
103.	19	Nos Philips Type TMS-140 or equivalent complete with 1x40 W fluorescent lamps.	Each			
104.	12	Nos Light fixture ceiling mounted with 1x24W PLCE lamp.	Each			
02.		Provide, install, connect and commission Exhaust fan, complete in all respects:				
201.	12	Nos 9" dia exhaust fan.	Each			

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

- | | | | | | | |
|----|----|---|------|--|--|--|
| 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 | | | |
| 2. | 1 | No. Providing, wiring and connecting of TV points with WISI make or equivalent 2x75 OHMS TV antenna coaxial cable RG6U single shielded having centre conductor of 1 sq.mm in 25 mm dia high impact PVC conduit recessed in floor/slab/wall. | Each | | | |

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:

<i>Incoming:</i>

1 - 125 Amp, TP, 15 KA, MCCB:
3 - Phase indicating lamps:
1 - Set of Bus bars

<i>Outgoing:</i>

1 - 60 Amps TP, 15 KA, MCB
18 - 10 Amps SP, 7.5 KA, MCBs | | | | |
| | 1 | Job 12 - 15 Amps SP, 7.5 KA, MCBs | Each | | | |
| 2. | | Provide, install, connect and commission DB-F , 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 - 60 Amp, TP, 15 KA, MCCB:
3 - Phase indicating lamps:
1 - Set of Bus bars

<i>Outgoing:</i>

18 - 10 Amps SP, 7.5 KA, MCBs | | | | |
| | 1 | Job 12 - 15 Amps SP, 7.5 KA, MCBs | Each | | | |

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
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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, burried 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 | | |

F. SEC: F: TELEPHONE SYSTEM:

- | | | | | | | |
|-----|----|------|--|------|--|--|
| 01. | 30 | 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 | | |
| 03. | 25 | 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. _____