

Issued to Mr. \_\_\_\_\_

Vide D.R. No. \_\_\_\_\_ dated \_\_\_\_\_.

### TENDER FOR WORKS

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 Monument of main entrance gate and compound wall (Grill type) along Hyderabad to Mirpurkhas road and solid compound wall around the campus SAU Tandojam.**

- (a) Estimate cost. Rs: \_\_\_\_\_
- (b) Earnest money. Rs: **3%**
- (c) Security deposit i/c earnest money. Rs: **10.**
- (d) Percentage if any to be deducted Rs: \_\_\_\_\_  
From bills (Rupees \_\_\_\_\_) percent.
- (e) Time allowed for the completion of work from date of written order to commence **09** 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**

**SINDH AGRICULTURE UNIVERSITY, TANDOJAM**

**CONSTRUCTION OF MAIN ENTRANCE GATE**

**SUMMARY OF COST**

	<b><u>SCHEDULE ITEM</u></b>	<b><u>NON-SCHEDULE ITEM</u></b>
1) CIVIL WORKS	Rs. 2,666,454.54	Rs. -
Add: Cartage Statement (Attached)		-
TOTAL =	<hr/>	<hr/> Rs. -
2) ELECTRICAL WORKS	Rs. 84,338.00	Rs. -
TOTAL =	<hr/>	<hr/> Rs. -
Total Schedule + Non-Schedule Items:	<u>Rs. -</u>	
Say :	<u>                    </u>	

**SINDH AGRICULTURE UNIVERSITY, TANDOJAM**

**CONSTRUCTION OF MAIN ENTRANCE GATE**

**CIVIL WORKS**

**SCHEDULE "B"**

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

01.	4910 Cft	Excavation in foundation of buildings Bridges and other structures including dag belling dressing; refilling around structure with excavated earth Watering and ramming led upto one chain and lift upto 5 feet in ordinary soil. (S.I. No. 18(b) Chapter-1 of Schedule of Rates 2012)	%oCft	3,176.25	15,595.39
02.	160 Cft	Filling, watering and ramming earthen floors with surplus earth from foundation lead upto one chain and lift upto 5 ft. (S.I. No. 21 Chapter-1 of Schedule of Rates 2012)	%oCft	1,512.50	242.00
03.	1013 Cft	Cement concrete brick or stone ballast 1-1/2" 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	95,386.92
04.	1080 Cft	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of Stone aggregate without shuttering) a) Ratio 1:3:6 (In foundation)	%Cft	12,595.00	136,026.00
	321 Cft	b) Ratio 1:4:8 (Under floor) (S.I. No. 5(i) & (h) Chapter-4 of Schedule of Rates 2012)	%Cft	11,288.75	36,236.89
05.	255 Sft	Erection and removal of centering for RCC or plain cement concrete works for Partial wood (Vertical). (S.I. No.18(b) Chapter-4 of Schedule of Rates 2012)	%Sft	3,127.41	7,974.90
06.		Reinforcement cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds lifting shuttering, curing, rendering and finishing the exposed surface (including screening and washing of shingle).  (a) R.C. work in roof slab beams columns rafts lintels and other structural members laid in situ or precast laid in position complete in all respects. Ratio (1:2:4) 90 Lbs cement 2 Cft. Sand 4 Cft of shingle 1/8" to 3/4" gauge. (S.I. No. 6(a)(i) Chapter-4 of Schedule of Rates 2012)			
	1511 Cft	a) Upto 12 ft. height	Cft	337.00	509,207.00
	603 Cft	b) above 12 ft height	Cft	349.11	210,513.33



S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Amount
07.	76 Sft	Damp proof course with cement sand and shingle concrete (1:2:4) including two coat of asphaltic mixture 2" thick. (S.I. No.27(b) Chapter-4 of Schedule of Rates 2012)	%Sft	3,912.85	2,973.77
08.	1572 Cft	Pucca brick work in Ground floor in cement sand mortar 1:6 including striking of joints. (S.I. No.5(i) (e), Chapter-5 of Schedule of Rates 2012)	%Cft	12,674.36	199,240.94
09.	326 Cft	Dry rammed brick or stone ballast 1-1/2" to 2" gauge. (S.I. No.2(b) Chapter-4 of Schedule of Rates 2012)	%Cft	3,327.50	10,847.65
10.	800 Sft	Providing and laying 2" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (S.I. No.16(c) plus S.I. No:18 Chapter-8 of Schedule of Rates 2012)	%Sft	1,396.67	11,173.36
11.	1886 Sft	Cement plaster 3/8" thick Ratio 1:6 (1st Coat Internal). (S.I. No.13(a) Chapter-9 of Schedule of Rates 2012)	%Sft	2,122.72	40,034.50
12.	1886 Sft	Cement plaster 3/8" thick Ratio 1:4 (2nd Coat Internal). (S.I. No.11(a) Chapter-9 of Schedule of Rates 2012)	%Sft	2,197.52	41,445.23
13.	1340 Sft	Cement plaster 3/8" thick Ratio 1:6 (1st Coat External). (S.I. No.13(a)+29 chapter 9 of Schedule of Rates 2012)	%Sft	2,122.72	28,444.45
14.	1310 Sft	Cement plaster 3/8" thick Ratio 1:4 (2nd Coat External). (S.I. No.11(a) Chapter-9 of Schedule of Rates 2012)	%Sft	2,197.52	28,787.51
15.	300 Sft	White washing (Three Coats) (S.I. No.26(c) Chapter-9 of Schedule of Rates 2012)	%Sft	829.95	2,489.85
16.		Fabrication of deformed steel reinforcement for cement concrete including cutting bending laying in position making joints and fastenings including cost of binding wire and includes cost of steel bars (also includes removal of rust from bars). (S.I. No.7(b) Chapter-4 of Schedule of Rates 2012)			
	55 Cwt	a) Upto 12 ft. height	Cwt	5,001.70	275,093.50
	15 Cwt	b) above 12 ft height	Cwt	5,001.70	75,025.50
17.	225 Bags	Difference of cost of S.R. Cement and Portland Cement. (S.I. No.45 (a) & (b) of Schedule of Rate of Material 2011)	Bags	40.00	9,000.00
18.	179 Cwt	Fabrication of heavy steel work with angles, tees, flat iron, round iron and sheet iron for making trusses, girders, tands etc. including cutting, tanks etc. including cutting, drilling rivetting, handling assembling and fixing but excluding erection in position. (S.I. No.2 Chapter-17 of Schedule of Rates 2012)	Cwt	4,928.49	882,199.71

S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Amount
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19.	179 Cwt	Erection and fitting in position of iron trusses staging of water tanks etc. (S.I. No.3 Chapter-17 of Schedule of Rates 2012)	Cwt	271.04	48,516.16
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**TOTAL SCHEDULE ITEMS:** 2,666,454.54

**SINDH AGRICULTURE UNIVERSITY, TANDOJAM**

**CONSTRUCTION OF MAIN ENTRANCE GATE**

**CIVIL WORKS**

**SCHEDULE "B"**

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

01.      4080   Sft   Providing, making and installation of Alucobond made of 4mm thick aluminium sandwiched sheet on front elevation with backup of U-shaped aluminium channel frame complete with accordance with the manufacturer's specification including scaffolding etc. complete in all respect and as per directed by the Engineer Incharge.      Sft  
(RA Attached)

**TOTAL NON-SCHEDULE ITEMS:** \_\_\_\_\_

**SINDH AGRICULTURE UNIVERSITY, TANDO JAM**

**CONSTRUCTION OF MAIN ENTRANCE GATE**

**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. | 48 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.<br>(Schedule Item No. 124-p15) | Point | 1130.00 |  | 54,240.00 |
| 2. | 16 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.<br>(Schedule Item No. 126-p15)       | Point | 985.00  |  | 15,760.00 |
| 3. | 4 Point  | Providing & fixing brass ceiling fan 56" (good quality)<br>(Schedule Item No. 231-p33)  | Point | 3185.00 |  | 12,740.00 |
| 4. | 5 Point  | Providing & fixing one way SP 5amp switch flush type.<br>(Schedule Item No. 219 -p33)   | Point | 54.00   |  | 270.00    |
| 5. | 16 Point | Providing & fixing two pin 5amp plug socket<br>(Schedule Item No. 225 -p33)   | Point | 83.00   |  | 1,328.00  |

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

**Rs.**

**84,338.00**

**SINDH AGRICULTURE UNIVERSITY, TANDO JAM**

**CONSTRUCTION OF MAIN ENTRANCE GATE**

**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 <sup>2</sup> + 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	6	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	Two gang switch plate.	Each		
202	4	Nos	Solid state fan dimmer with "ON-OFF" control.	Each		
203	3	Nos	Telephone outlet plates with Jack plug.	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.	4	Nos	Philips Type GKD-240 or equivalent complete with 2x40 W fluorescent lamps.	Each		
102.	4	Nos	Philips Type TMS-240 or equivalent complete with 1x40 W fluorescent lamps.	Each		
103.	6	Nos	Fancy light fixtures ceiling mounted with 1x100W GLS lamp.	Each		
104.	18	Nos	Light fixture concealed down lighter.	Each		
105.	4	Nos	Floor recessed pit light with 1x500W HPLN lamp.	Each		

**C. SEC: C: FEEDERS:**

1.	40	Mtrs	Provide lay and connect feeder from Main Source to Main DB, 16mm <sup>2</sup> 3 1/2 core PVC/PVC cable in 100mm dia high impact PVC conduit, complete with all accessories.	Mtr		
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S.No.	Quantity	Description	Unit	Rate in Figure Rupees	Rate in Words Rupees	Amount
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**D. SEC: D: DISTRIBUTION BOARDS:**

01. 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:

Incoming:

1 - 30 Amp, TP, 15 KA, MCCB:

3 - Phase indicating lamps:

1 - Set of Bus bars

Outgoing:

9 - 10 Amps SP, 7.5 KA, MCBs

1 Job 3 - 15 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

**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. 2 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.**

**SINDH AGRICULTURE UNIVERSITY, TANDOJAM**

**Construction of Compound wall (Grill Type) Along Hyd-Mir Dual Carriageway**

**SUMMARY OF COST**

	<b><u>SCHEDULE ITEM</u></b>	<b><u>NON-SCHEDULE ITEM</u></b>
1)	<b>CIVIL WORKS</b>	
	Rs. 13,715,695.86	Rs.
	Below/ above _____ Rs.	
	Schedule items: _____	_____
	<b>TOTAL =</b>	
	Rs.	Rs.

Total Schedule + Non-Schedule Iter Rs.

Say : Rs.

Schedule-"B"

**Construction of Compound wall (Grill Type) Along Hyd-Mir Dual Carriageway**

Sindh Agriculture University, Tando Jam.

S.#	Item	Quantity	Rate	Unit	Amount
<b><u>A-Schedule Items</u></b>					
1-	Excavation in foundation of buildings bridges and other structures i/c dag belling, dressing, refilling around the structure with excavated earth watering and ramming. lead upto one chain and lift upto 5 ft. (b) In Ordinary soil ( S.Item No. 18-b, Page No. 4 )	22540 Cft	%0 Cft	3,176.25	71,592.68
2-	C.c brick or stone ballast 1 1/2" to 2" gauge ratio 1:4:8 ( S.Item No. 4 ( b ), Page No. 17 )	4508 Cft	% Cft	9,416.28	424,485.90
3-	Fabrication of deformed steel reinforcement for cement concrete i/c cutting, bending, laying in position. Making joints and fastenings i/c cost of binding wire. <u>Tor Steel</u> ( S.Item No. 8-b, Page No. 17 )	1035 Cwt	P. Cwt	5,001.70	5,176,759.50
4-	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 i/c all kinds of forms, moulds, lifting, shuttering, curing, rendering and finishing the exposed surface. (i/c screening and washing of shingle). (b) RCC work in roof slabs, beams, columns, rafts, lintels and other structural mambbers 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. ( S.Item No. 6-a-I), Page No. 19 )	14932 Cft	P. Cft	337.00	5,032,084.00
7-	Pacca brick work other than building including striking of joints upto 20 feet height in 1:6 ( S.Item No. 7-I-e, Page No. 22 )	9297 Cft	% Cft	12,346.65	1,147,868.05
10-	Cement plaster 1:6, 3/8" thick in cement sand mortar. ( S.Item No. 13-a, Page No. 52 )	12255 Sft	% Sft	2,122.72	260,139.34
11-	Cement plaster 1:4 up-to 20 ft height 3/8" thick in cement sand mortar. ( S.Item No. 11-a, Page No. 52 )	12255 Sft	% Sft	2,197.52	269,306.08
11-	Cement pointing struck jints on walls Ratio 1:2. ( S.Item No. 19 (a) , Page No. 53 ) @ Rs. 1287/44, % Sft	12255 Sft	% Sft	1,287.44	157,775.77

S.#	Item	Quantity	Rate	Unit	Amount
12-	Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick/sand paper, filling the voids with chalk/plaster of paris and than painting with weather coat of approved make. 3-coats ( S.Item No. 25, Page No. 54 )	45783 Sft	% Sft	2,567.95	1,175,684.55
Total Rs.					13,715,695.86
Premium @ -----% Above/below					
A-Total Amount of schedule Items					
<b>B-Non-schedule Items</b>					
1-	Providing and making designed C,C coping 15"-11" wide and 1-1/2" thick, ratio 1:4 over boundary wall as shown on drawing i/c form work, levelling, compacting, finishing and curing etc. complete in all respects.	5300 Rft	P. Rft		
2-	Providing and fixing mild steel fencing on top of Compound wall comprising of 3/4" square vertical bars 4'-0" clear height fixed at 9" c/c from top of the brick wall and 8 Nos. over RCC column, bottom end welded to 1 1/2" x 3/16" flat embedded in masonry wall and as well as in RCC columns, 2 Nos. 1 1/2" x 3/16" flat iron continuous ties for	21200 Sft	P. Sft		
B-Total Amount of Non-schedule Items					
GRAND TOTAL RS,					