

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 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

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

SINDH AGRICULTURE UNIVERSITY, TANDOJAM

CONSTRUCTION OF MAIN ENTRANCE GATE

CIVIL WORKS

SCHEDULE "B"

| S.No. | Quantity | Description | Unit | Rate in Figure Rupees | Amount |
|-------|----------|-------------|------|-----------------------|--------|
|-------|----------|-------------|------|-----------------------|--------|

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) | %Cft | 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) | %Cft | 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. | | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of Stone aggregate without shuttering) | | | |
| | 1080 Cft | 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 |
|-------|----------|-------------|------|-----------------------|--------|
|-------|----------|-------------|------|-----------------------|--------|

| | | | | | |
|-----|---------|--|-----|--------|-----------|
| 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 |
|-----|---------|--|-----|--------|-----------|

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 |
|--------|----------|-------------|------|-----------------------|--------|
|--------|----------|-------------|------|-----------------------|--------|

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 |
|-------|----------|-------------|------|--------------------------|-------------------------|--------|
|-------|----------|-------------|------|--------------------------|-------------------------|--------|

SCHEDULE ITEM:

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

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 | 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 ² 3 1/2 core PVC/PVC cable in 100mm dia high impact PVC conduit, complete with all accessories. | Mtr | | |
|----|----|------|---|-----|--|--|

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

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, 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. 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

| | <u>SCHEDULE ITEM</u> | <u>NON-SCHEDULE ITEM</u> |
|----|-----------------------------|---------------------------------|
| 1) | CIVIL WORKS | |
| | Rs. 13,715,695.86 | Rs. |
| | Below/ above _____ Rs. | |
| | Schedule items: _____ | _____ |
| | TOTAL = | |
| | 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 |
|-------------------------|--|-----------|--------|-----------|--------------|
| A-Schedule Items | | | | | |
| 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 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. (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 | | | | | |
| <u>B-Non-schedule Items</u> | | | | | |
| 1- | Providing and making designed C,C copping 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 embeded in masonry wall and as well as in RCC columns, 2 Nos. 1 1/2" x 3/16" flat iron continuous tiles for | 21200 Sft | | P. Sft | |
| B-Total Amount of Non-schedule Items | | | | | |
| GRAND TOTAL RS, | | | | | |