



**MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY,
JAMSHORO, SINDH, PAKISTAN.**

Tel: Off: +92-222-771212, Fax: +92-222-771403



No. XEN(Works)/MUET/JAM/2014-39,
Dated: 17-04-2014

M/s Pakistan Electric Works,
Contractor, Hyderabad.

WORK ORDER

Subject: **A 500 KVA KIOSK SUB-STATION NO.15 FOR THE BUILDINGS OF STUDENT SERVICE CENTER & SPORTS COMPLEX (GYMNASIUM HALL), PROVISION OF STREET LIGHTING FOR THE BUILDINGS OF STUDENTS SERVICE CENTER & SPORTS COMPLEX (GYMNASIUM HALL) AND SHIFTING OF SUB-STATION NO.06 TO NEW GIRLS HOSTEL AT MUET, JAMSHORO".**

Ref: Your item Rate Tender, Dated: 08-04-2014.

Gentleman,

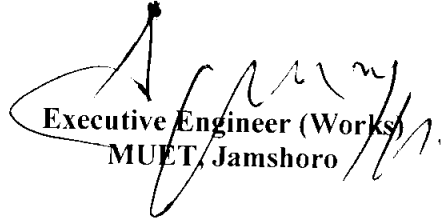
I am pleased to inform you that your item rate tender for execution of the above subjected work consisting the scope attached herewith, at the cost of **Rs.17,029,934.00** has been accepted by the University authorities being in competition.

- ❖ **NO PREMIUM SHALL BE PAID SEPARATELY.**
- ❖ **NO CARTAGE SHALL BE PAID SEPARATELY.**
- ❖ **NO ESCALATION ON ANY MATERIAL SHALL BE PAID SEPARATELY.**

The Mobilization Advance shall be allowed to you at the rate of 10% of the tendered cost on submission of a Mobilization Advance Guarantee for the full amount of the Advance in the specified form from a Scheduled Bank in Pakistan to the Procuring Agency. And the Contractor will pay interest on the mobilization advance at the rate of 10% per annum on the advance.

You are, therefore, directed to please attend the office of the undersigned within Seven (07) days for executing the agreement duly adhesive stamped for completing the other formalities to start the work at site and complete the work within Six (06) Months; according to drawing, design & specifications under the Supervision of Sub-Engineer (Electrical), Mehran University of Engineering & Technology, Jamshoro.

The completion time period shall be reckoned from the actual date of start of the work.


**Executive Engineer (Works)
MUET, Jamshoro**

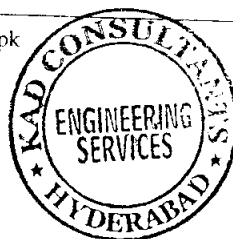
Copy f.w.c.s to the:

1. Director (Works & Services), MUET, Jamshoro.
2. Director Finance, MUET, Jamshoro.
3. ✓ Director (A&F), Sindh Public Procurement Regulatory Authority (SPPRA), Karachi.
4. Secretary to the Vice Chancellor, MUET, Jamshoro.
5. Sub-Engineer (Electrical), MUET, Jamshoro, for information. He is further directed to intimate the undersigned about the actual date of start of the work.

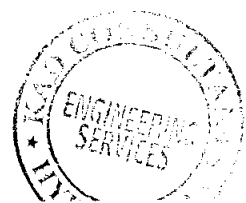


2106
District Accounts Officer Hyderabad

INVITATION FOR BIDS



BILL OF QUANTITIES



- i. 500 kVA KIOSK SUB-STATION NO.15 FOR THE BUILDINGS OF STUDENT SERVICE CENTER & SPORTS COMPLEX (GYMNASIUM HALL)
- ii. PROVISION OF STREET LIGHTING FOR THE BUILDINGS OF STUDENT SERVICE CENTER & SPORTS COMPLEX (GYMNASIUM HALL)
- iii. SHIFTING IF SUB-STATION NO.06 TO NEW GIRLS' HOSTEL


MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY (MUET), JAMSHORO

MAIN SUMMARY

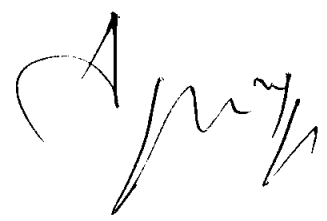
S. No	Description	Amount (Rs.)
1	Section-1: 11kV Uderground Cable & 500kVA KIOSK Sub-Station With LBS <i>This amount is carried from page no: 150</i>	Rs. 8808000=
2	Section-2: Shifting of Sub-Station No. 06 for New Girls' Hostel (Non-Scheduled Items) <i>This amount carried from page no:151</i>	Rs. 946000=
3	Section-3: Street Pole Lighting (Gymnasium & Student Service Center) - (Scheduled Items) <i>This amount carried from page no:152</i>	Rs. 2581241=
4	Section-4: Street Pole Lighting (Gymnasium & Student Service Center) - (Non-Scheduled Items) <i>This amount carried from page no:153</i>	Rs. 2001396=
5	Section-5: Distribution Board & Cables (Scheduled items) <i>This amount carried from page no:154</i>	Rs. 1875447=
6	Section-6: Distribution Board & Cables (Non-Scheduled items) <i>This amount carried from page no:155</i>	Rs. 817850=

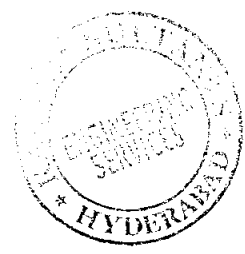
TOTAL AMOUNT Rs. 17029939=

Amount in words one crore seventy Lac Twenty nine thousand seven hundred thirty four only =

SIGNATURE OF BIDDER

 Paton Electric Work
 Government Contractor
 HYDERABAD

SEAL OF BIDDER

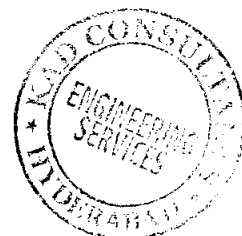




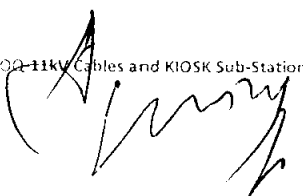
Section No. 01: 11KV UNDERGROUND CABLE & 500KVA KIOSK SUB-STATION WITH LBS
 [Non-Scheduled Items]

S.No	ITEM DESCRIPTION	QTY	UNIT	RATE (RS)	TOTAL AMOUNT (RS)
1.	Providing, laying, connecting, testing and commissioning of 11 KV, 3 core 25 sq.mm XLPE insulated, copper conductor unarmored cable to be laid between sub-station S/S-Diversion of existing 70 sq.mm, H.T, XLPE, be laid in 3 feet depth trench, complete making of trench cable warning tiles as per specifications.	270	Mtr.	3050/-	823500/-
2.	Providing and installing 100 x 100 x 5 mm cast iron cable marker at each 50 Meters distance of specified inscription including excavation of soil and making cement concrete foundation as per drawing complete in all respects conforming to specifications.	6	No.	3000/-	18000/-
3 3.1	<p>Providing, installing, testing & commissioning of KIOSK type 500 kVA Sub-station (02 Incoming + 01 Outgoing) in steel sheet clad housing, comprising of following;</p> <p>H.T Portion Incoming 02 - 11 kV Fused Load Break Switch (LBS) Panel, comprising of following accessories: a) 02 - TP, fused LBS 630A, 25kA, make: Areva with 03 Nos. High Tension HRC Fuses with tripping arrangement (01 No. for each I/C Panel). b) 06 - Potential Transformer make: PEL (03 Nos. for each I/C Panel). c) 02 - P.T operated Voltmeter (Digital) with phase Selector Switch make: Lumel/Zeigler (01 No. for each I/C Panel). d) 02 - Ammeter (Digital) with Phase Selector Switch Make: Lumel/Zeigler (01 No. for each I/C Panel). e) 06 - Current Transformer (25/5/5A~250/5/5A) make: PEL (03 Nos. for each I/C Panel). f) 02 - Capacitor Trip Unit, make: E-Lab (01 No. for each I/C Panel). g) 04 - ON/OFF Indication Lights, make: Telemecanique, China (02 Nos. for each I/C Panel). h) 06 - SP, MCB, 6A (for control), make: Terasaki, Japan (03 Nos. for each I/C Panel). i) 02 - TP, MCB, 6A, (for Control), make: Terasaki, Japan (01 No. for each I/C Panel). j) 12 - Insulators, Make: G.J. Malaysia (06 Nos. for each I/C Panel). k) 02 - Anti-Condensation Heater, make: E-Lab (01 No. for each I/C Panel). l) 06 - Surge Arrestors, make: CPS (03 Nos. for each I/C Panel).</p>				

Contractor
 Hyderabad



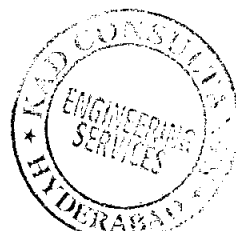
	<p>Outgoing</p> <p>01 - 11kV Fused Load Break Switch (LBS) Panel, comprising of following accessories;</p> <p>a) 01 - TP, fused LBS, 630A, 25kA, make Areva with 03 Nos. High Tension HRC Fuses with tripping arrangement.</p> <p>b) 03 - Potential Transformer, make: PEL.</p> <p>c) 01 - P.T operated Voltmeter (Digital) with Phase Selector Switch. make: Lumel/Zeigler.</p> <p>d) 01 - Ammeter (Digital) with phase Selector Switch, make: Zeigler/Lumel.</p> <p>e) 03 - Current Transformer (25/5/5A~250/5/5A), make: PEL)</p> <p>f) 01 - Auxiliary Relay for Alarm & Trip indication.</p> <p>g) 01 - Capacitor Trip Unit, make: E-Lab.</p> <p>h) 02 - ON/OFF indication lights, make: Telemecanique, China</p> <p>i) 01 - Buzzer, make: Kacon</p> <p>j) 03 - SP, MCB, 6A, (for control), make: Terasaki, Japan</p> <p>k) 01 - TP, MCB, 6A (for control), make: Terasaki, Japan.</p> <p>l) 06 - Insulators, make: G.J. Malaysia</p> <p>3.2 01 - 500 kVA, 11,000/415V, Oil Cooled Transformer (copper winding on Primary & Secondary side) as per specifications and with (single tripping only) Float Buchholz Relay, make: PEL.</p> <p>3.3 L.T Portion</p> <p>01 - L.T Panel for 500 kVA KIOSK Sub-station, comprising of following accessories;</p> <p>Incoming</p> <p>a) 02 - TP, MCCB, rated at 1600A (800~1600A), 85kA make Terasaki with OC and S/C trips and ON/OFF indication (01 No. for T/F & 01 No. for Diesel Generator).</p> <p>b) 04 - Auxiliary Switch (1C) for item No. 3.3 (a), make: Terasaki, Japan.</p> <p>c) 02 - UVT Relay for item No. 3.3 (a)</p> <p>d) 01 - Mechanical Interlock for item No. 3.3 (a), make PEL.</p> <p>e) 02 - Voltmeter (Digital), make: Entes/Lovato.</p> <p>f) 02 - Voltmeter Selector Switch</p> <p>g) 02 - Ammeter (Digital), make: Entes/Lovato.</p> <p>h) 02 - Ammeter Selector Switch</p> <p>i) 06 - Current Tranformer 1200/5~2000A, CTRL-3, TAR-6, make: PEL/Revalco.</p> <p>j) 06 - Phase Indication Lamps, make: Lovato/Telemecanique.</p> <p>k) 04 - ON/OFF Indication Lights, make: Lovato/Telemecanique.</p> <p>l) 06 - SP Control MCB 6A, make: Terasaki, Japan.</p>				
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	Outgoing a) 02 - TP, MCCB, 630A (250~630), 36 kA, make: Terasaki, Japan. b) 04 - TP, MCCB, 400A (250~400), 36 kA, make: Terasaki, Japan. c) 02 - TP, MCCB, 250A (160~250), 36 kA, make: Terasaki, Japan.	1	Job	750000/-	750000/-	✓
4.	Supply of High Tension HRC fuses of appropriate rating as spares for 500 kVA KIOSK Sub-Station.	3	No.	10500/-	31500/-	✓
5.	Making RCC base for sub-station 2' height from ground level and suitable space around the substation and fixing and installation & testing and commissioning of the substation etc., complete in all respects.	1	Job	140000/-	140000/-	✓
6.	Providing, making and testing of earth point for H.T. Panel/L.T Panel body with 24"x24"x1/8" copper plate buried 15 feet deep in ground or 1 foot below the depth of permanent water level whichever is less, covered with charcoal and lime in specified ratio. (H.T = 02 x 1/C, 01 x O/G, L.T = 01 x O/G)	4	Job	50000/-	200000/-	✓
7.	Providing, making and testing of earth point for transformer neutral with 48"x48"x1/8" copper plate buried 15 feet deep in ground or 1 foot below the depth of permanent water level whichever is less, covered with charcoal and lime in specified ratio and to specification.	1	Job	55000/-	55000/-	✓
8.	Providing , laying, connection and testing 2-16 mm ² stranded bare copper conductor in 3/4" dia PVC Pipe from H.T. Panel/L.T. Panel body and transformer neutral to earth plate compete with all accessories and fasteners.	5	Job	3000/-	15000/-	✓
9.	Providing, laying, connecting and testing of copper earth terminal blocks of appropriate size for connecting earth conductor to the Transformer neutral and H.T/L.T Panel body.	5	Job	5000/-	25000/-	✓
Total Amount of SECTION-1 - Non-Schedule Items in Rs.				880,800/-		✓

Amount carried over to summary at serial no - 1, Page- no 147

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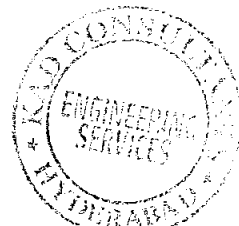
Section No. 02: SHIFTING OF S/S NO.06 FOR NEW GIRLS' HOSTEL
 [Non-Scheduled Items]

S.No.	ITEM DESCRIPTION	QTY	UNIT	RATE (RS)	TOTAL AMOUNT (RS)
1.	Repair & General Maintenance of S/S No. 06 - 150kVA KIOSK type Sub-Station, L.T Panel, Transformer Oil, & Oil Paint Colour, Locking arrangement repair as per instruction of Engineer Incharge.	1	Job	500000/-	500000/-
2.	Providing, laying, connecting, testing and commissioning of 11 kV, 3 core, 16 mm sq. XLPE copper conductor unarmored cable to be laid from Sub-station S/S-04 to New Girls' Hostel Sub-Station, complete making of trench, cable warning tiles as per specifications.	200	Mtr.	950/-	190000/-
3.	Making RCC base for sub-station 2' height from ground level and suitable space around the substation and fixing and installation & testing and commissioning of the substation etc., complete.	1	Job	140000/-	140000/-
4.	Providing, making and testing of earth point with 24"x24"x1/8" copper plate buried 15 feet deep in ground or 1 foot below the depth of permanent water level whichever is less, covered with charcoal and lime in specified ratio. a) for Transformer Neutral b) for H.T. Panel/ L.T. Panel body	2	Job	50000/-	100000/-
5.	Providing, laying, connecting and testing 16 mm ² stranded bare copper conductor in 1/2" dia PVC Pipe from transformer neutral and L.T Panel body to earth plate compete with all accessories and fasteners.	2	Job	3000/-	6000/-
6.	Providing, laying, connecting and testing of copper earth terminal blocks of appropriate size for connecting earth conductor to the Transformer neutral and L.T Panel body.	2	Job	5000/-	10000/-
				Total Amount of SECTION-2 - Non Schedule Items in Rs	
				946000/-	

Amount carried over to summary at serial no - 2, Page- no-147

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Section No. 03: STREET POLE LIGHTING (GYMNASIUM & STUDENT SERVICE CENTER)
[Scheduled Items]

S.No.	ITEM DESCRIPTION	QTY	UNIT	RATE (RS)	TOTAL AMOUNT (RS)
1.	Providing & fixing of MS Tubular pole 31 ft long buried in the ground as per following specifications; 20 ft (6" dia) x 5.5 ft (5" dia) x 5.5 ft (4" dia) = 31 ft Wall thickness 8 SWG Base Plate 16" x 16" x 1/4" Two (02) coats of red oxide as rust preventive Two (02) coats of oil paint Excavation of hard/soft soil 2' x 2' x 6' Lean size 2' x 2' x 6" with 1:4:8 ratio CC work 1:3:6 cast in situ in one mould of (1 1/2' dia) including form work, rodding, curing, etc. complete with CC collar about 2ft high from ground level duly plastered as per site requirement & instruction of EI. (ESI # 137, Page # 17)	69	Job	26,956.00	1,859,964.00
2.	Manufacturing, providing & fixing GI single arm double arch as per site requirement & instruction of EI with following specifications; GI Pipe 2" dia 10 SWG 5ft long 2 Nos. MS clamps with nuts & bolts (ESI # 143, Page # 21)	69	Job	1,546.00	106,674.00
3.	Providing & Fixing of flood light 250 watts (HPIT) having IP-65 classification with 250W lamp, choke, capacitor, ignitor & internal wiring complete in all respect, on ground as per drawings with the help of manual labour and as per instruction of EI. (ESI # 165, Page # 26). Make: Philips/Pierlite.	18	No.	15,440.00	277,920.00
Total of Schedule Items (A)					2,244,558.00

I the Contractor M/s _____

Hereby quote 15% premium above/below on the schedule items.

Total Amount of SECTION-3 Schedule Items (A+B) in Rs. 2,581,241/-
Amount carried over to summary at serial no - 3, Page-no:147

(B)= 336,683/-

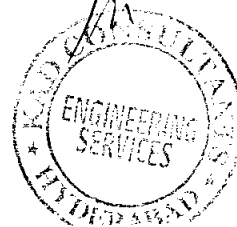
2,581,241/-

Section No. 04: STREET POLE LIGHTING (GYMNASIUM & STUDENT SERVICE CENTER)
[Non-Scheduled Items]

S.No.	Item Description	Qty	Unit	Unit Price (Rs)	Total Amount (Rs)
1.	Providing, installing of 16SWG sheet steel terminal box with steel hinged door covered locking arrangement comprising of 5/10 amps. miniature circuit breaker, connectors etc. including making connections with the incoming and outgoing cables. Complete in all respects as per sketch and drawing conforming to specifications. (for 69 Nos. street lights & 18 Nos. Flood Lights)	87	No.	<u>2000/-</u>	<u>1,74,000/-</u>

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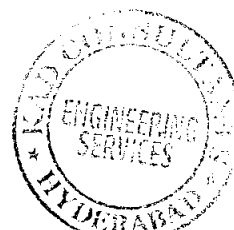
2.	Providing, Installing and connecting of Street Light 250W MH-T / HPI-T Lamp fitting, Model: Road Master, 250W MH / Velocity SGP338 GB ALU, Make: Pierlite / Philips or equivalent as approved by E.I having IP65 c/w Integral Control Gear including Ballast, Capacitor, Ignitor & Internal Wiring for 250W MH-T / HPI-T Lamp complete in all respect at the height of 31ft with the help of hydraulic crane or manual labour as per site requirement.	69	No.	26484/2	1827396/=
Total Amount of SECTION-4 - Non Schedule Items in Rs.				2001396/2	

Amount carried over to summary at serial no - 4, Page- no 147

Section No. 05: DISTRIBUTION BOARDS & CABLES
[Scheduled Items]

S.	Item Description	Qty	Unit	Unit Price (Rs)	Total Amount (Rs)
1.	Proving, installing, connecting & commissioning of the following Distribution Board (D.B) fabricated of 14 SWG steel clad sheet, cubical design with hinged door cover, floor mounted, factory assembled, suitable for 3-Phase, 4 wire, 500 volts, 50 Hz A.C Power Supply. Complete with pure copper busbars, copper cable lugs, glands, neutral link, earth block, terminal block etc. & having following configurations. (All equipment rated to 15kA short circuit rating and 50 °C ambient temperature at 415V). Panel enclosure to comply with IP-50.				
1.1	D.B-SL Incoming 01 - 50A, T.P MCCB (XS-100NS). (ESI # 207, Page # 31)	1	No.	9,261.00	9,261.00
	03 - Providing & fixing Digital Ammeter size 96/96 mm direct 100A as required & as per instruction of EI. (ESI # 284, Page # 41)	3	No.	1,054.00	3,162.00
	01 -Providing & fixing Digital Voltmeter size 96/96 mm 500V as required & as per instruction of EI. (ESI # 285, Page # 41)	1	No.	999.00	999.00
	Outgoing 08 - 20A, S.P, MCB (TB-5S). (ESI # (203, Page # 31)	8	No.	916.00	7,328.00
2.	Providing, laying and connecting of the following cables laid in ground or in PVC pipe wherever required at road crossing or as shown in the drawing from the Sub-Station to the Distribution Box for Street Lights as shown in the drawings. The job includes excavation and back filling of earth, providing and laying cable warning tiles etc. complete with all accessories required conforming to specifications.				
2.1	Providing & laying (Main or Sub Main) PVC insulated & PVC sheathed with 4 core copper conductor 600/1000 volts size 16mm² . (ESI # 102, Page # 12) - (From S.Stn. to D.B)	65	Mtr.	1,300.00	84,500.00

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3.	Providing, laying and connecting of the following cables laid in ground or in PVC pipe wherever required at road crossing or as shown in the drawing from the Sub-Station to Cable Terminal Box for Street Lights as shown in the drawings. The job includes excavation and back filling of earth, providing and laying cable warning tiles etc. complete with all accessories required conforming to specifications.				
3.1	Providing & laying (Main or Sub Main) PVC insulated & PVC sheathed with 2 core copper conductor 300/500 volts size 6 mm ² . (ESI # 62, Page # 08) - (01 ckt. from D.B to Cable Terminal Box as per drawings)	165	Mtr.	233.00	38,445.00
3.2	Providing & laying (Main or Sub Main) PVC insulated & PVC sheathed with 2 core copper conductor 300/500 volts size 10 mm ² . (ESI # 63, Page # 08) - (03 ckts. from D.B to Cable Terminal Box as per drawings)	1,000	Mtr.	375.00	375,000.00
3.3	Providing & laying (Main or Sub Main) PVC insulated & PVC sheathed with Single core copper conductor 300/500 volts size 2-7/0.064" (16 mm ²). (ESI # 57, Page # 07) - (04 ckts. from D.B to Cable Terminal Box as per drawings)	1,500	Mtr.	524.00	786,000.00
4.	Providing & laying (MAIN or SUB-MAIN) PVC insulated with size 2-3/0.029" copper conductor in 1/2" dia PVC conduit recessed in the wall or column as required. (ESI # 08, Page # 02). NOTE: From cable terminal boxes to the lighting fixtures (69 Nos. Street Lights & 18 Nos. Flood Lights)	1,131	Mtr.	173.00	195,663.00
Total of Schedule Items (A)					1,500,358.00

I the Contractor M/s _____

Hereby quote 25% premium above/below on the schedule items.

(B) = 375089/-

Total Amount of SECTION-5 Schedule Items (A+B) in Rs. 1875447/-
 Amount carried over to summary at serial no - 5, Page- no 147

Section No. 06: DISTRIBUTION BOARDS & CABLES
 [Non-Scheduled Items]

S. #	Item Description	Qty	Unit	Unit Price (RS)	Total Amount (RS)
1	Providing, installing, connecting & commissioning of the following Distribution Board (D.B) fabricated of 14 SWG steel clad sheet, cubical design with hinged door cover, floor mounted, factory assembled, suitable for 3-Phase, 4 wire, 500 volts, 50 Hz A.C Power Supply. Complete with pure copper busbars, copper cable lugs, glands, neutral link, earth block, terminal block etc. & having following configurations. (All equipment rated to 15kA short circuit rating and 50 °C ambient temperature at 415V). Panel enclosure to comply with IP-50)				

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1.1	D.B-SL Incoming 01 - Voltmeter Selector Switch (7 Steps), PK9054E. Make: K&N (Newzealand) 03 - Phase (R.Y.B) indication lamps, 220V Model: 8LP2T1LM, Make: Lovato (Italy) or Equivalent & as per instruction of EI. 02 - ON/OFF (Green & Red) indication Lights 220V Model: 8LP2T1LM, Make: Lovato (Italy) or Equivalent & as per instruction of EI. 03 - Control fuse with base 2/32A Model: T-0+PM- F, make: DF (Spain) or equivalent as per instruction of EI.	1	No.	50000/-	50000/-	my/h.
		1	No.	4000/-	4000/-	my/h.
		3	No.	1500/-	4500/-	my/h.
		2	No.	2000/-	4000/-	my/h.
		3	No.	950/-	2850/-	my/h.
2.	Providing & installing connecting of Hard Drawn Copper Wire from Sub-Station to D.B and from DB to Cable Terminal Box in PVC Conduit recessed in RCC or on surface / concealed in ground as required, complete in all respect and entire satisfaction of EI.					
2.1	D.B-SL Providing & Laying of Hard Drawn Copper Conductor size 10 mm ² as ECC. With wiring of DB- SL in 1.5" dia rigid PVC conduit burried in ground/floor. (01 ckt. from Sub-Station to DB)	65	Mtr.	350/-	22750/-	my/h.
2.2	Providing & Laying of Hard Drawn Copper Conductor size 4 mm ² as ECC. With wiring of DB- SL in 3/4" dia rigid PVC conduit burried in ground/floor. (01 ckts. from DB to Cable terminal boxes)	165	Mtr.	150/-	24750/-	my/h.
2.3	Providing & Laying of Hard Drawn Copper Conductor size 6 mm ² as ECC. With wiring of DB- SL in 1 1/4" dia rigid PVC conduit recessed in wall/column or ground/floor. (03 ckts. from DB to Cable terminal boxes)	1,000	Mtr.	180/-	180000/-	my/h.
2.4	Providing & Laying of Hard Drawn Copper Conductor size 10 mm ² as ECC. With wiring of DB- SL in 1 1/4" dia rigid PVC conduit burried in ground/floor. (04 ckts. from DB to Cable terminal boxes)	1,500	Mtr.	350/-	525000/-	my/h.
Total Amount of SECTION-6 - Non Schedule Items In Rs.					817850/-	my/h.

Amount carried over to summary at serial no. 6, Page no. 47

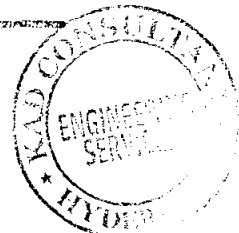
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TENDER DRAWINGS
(NOT VALID FOR CONSTRUCTION)

TENDER DRAWINGS
NOT VALID FOR CONSTRUCTION



**MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY,
JAMSHORO - SINDH - PAKISTAN**

**EXTERNAL DEVELOPMENT
FOR
STUDENT SERVICE CENTER & GYMNASIUM**

**CONSULTANTS ELECTRICAL DESIGN DRAWINGS
FOR
STREET LIGHTS**



NS
NAQVI AND SIDDIQUIE
INC. ARCHITECTS & ENGINEERS
BLOCK NO. 18 FIRST FLOOR
MARKAZ F-6
ISLAMABAD
TEL: 051-2876768-2270268

**FOR ARCHITECTURAL DRAWINGS
NOT VALID FOR CONSTRUCTION**



KAD CONSULTANTS

ELECTRICAL ENGINEERS

F-1, ZAIB RESIDENCY, HUSSAIN HOUSING
SCHEME, NEAR SUMMIT BANK, WADHU WAH,
QASIMABAD (PHASE-1), HYDERABAD.
CELL: +92 334 9377556
TEL: +92 22 2652274, FAX: +92 22 2652275,
E-MAIL: kad_consultants@hotmail.com

STREET LIGHTING
FOR
STUDENTS SERVICE CENTER & GYMNASIUM
MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY
JAMSHORO

LIST OF DRAWINGS

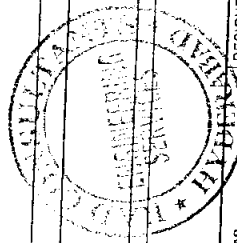
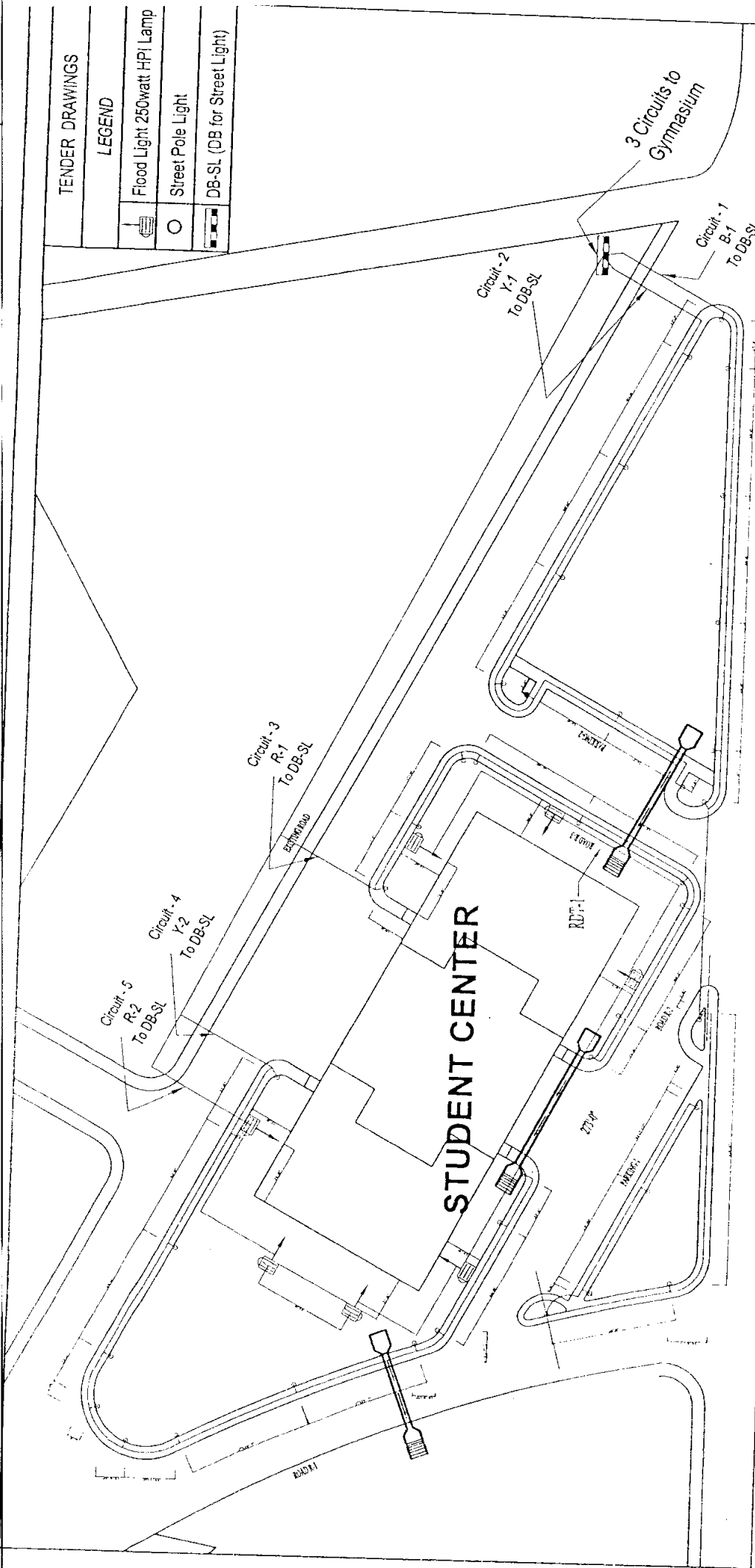
S.NO	DRWG.NO	TITLE	REMARKS
1.	E-01	STREET LIGHTING & FLOOD LIGHTING LAYOUT - STUDENT SERVICE CENTER, MUET, JAMSHORO	REV. 0
2.	E-02	STREET LIGHTING & FLOOD LIGHTING LAYOUT - GYMNASIUM, MUET, JAMSHORO	REV. 0
3.	E-03	LAYOUT FOR LOCATION OF DISTRIBUTION BOARD FOR STREET LIGHTS, MUET, JAMSHORO	REV. 0
4.	SC-E-01	SCHEMATIC DIAGRAM DISTRIBUTION BOARD - STREET LIGHTS	REV. 0



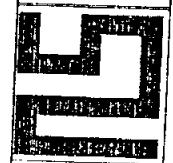
TENDER DRAWINGS

LEGEND

	Flood Light 250watt HPI Lamp
	Street Pole Light
	DB-SL (DB for Street Light)



KAD CONSULTANTS
 ELECTRICAL ENGINEERS
 F-1, ZAB RESIDENCY, LAKSHMI PURAM
 SCHEME, NEAR SUKANT BRANK WARD, 194-A
 GANAPATI, PHASE-3, HYDERABAD
 TEL: 92 22 265224 FAX: 92 22 265225
 E-MAIL: kad.consultants@gmail.com



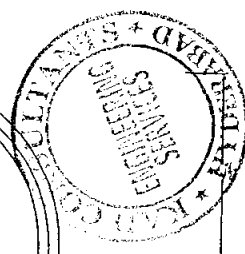
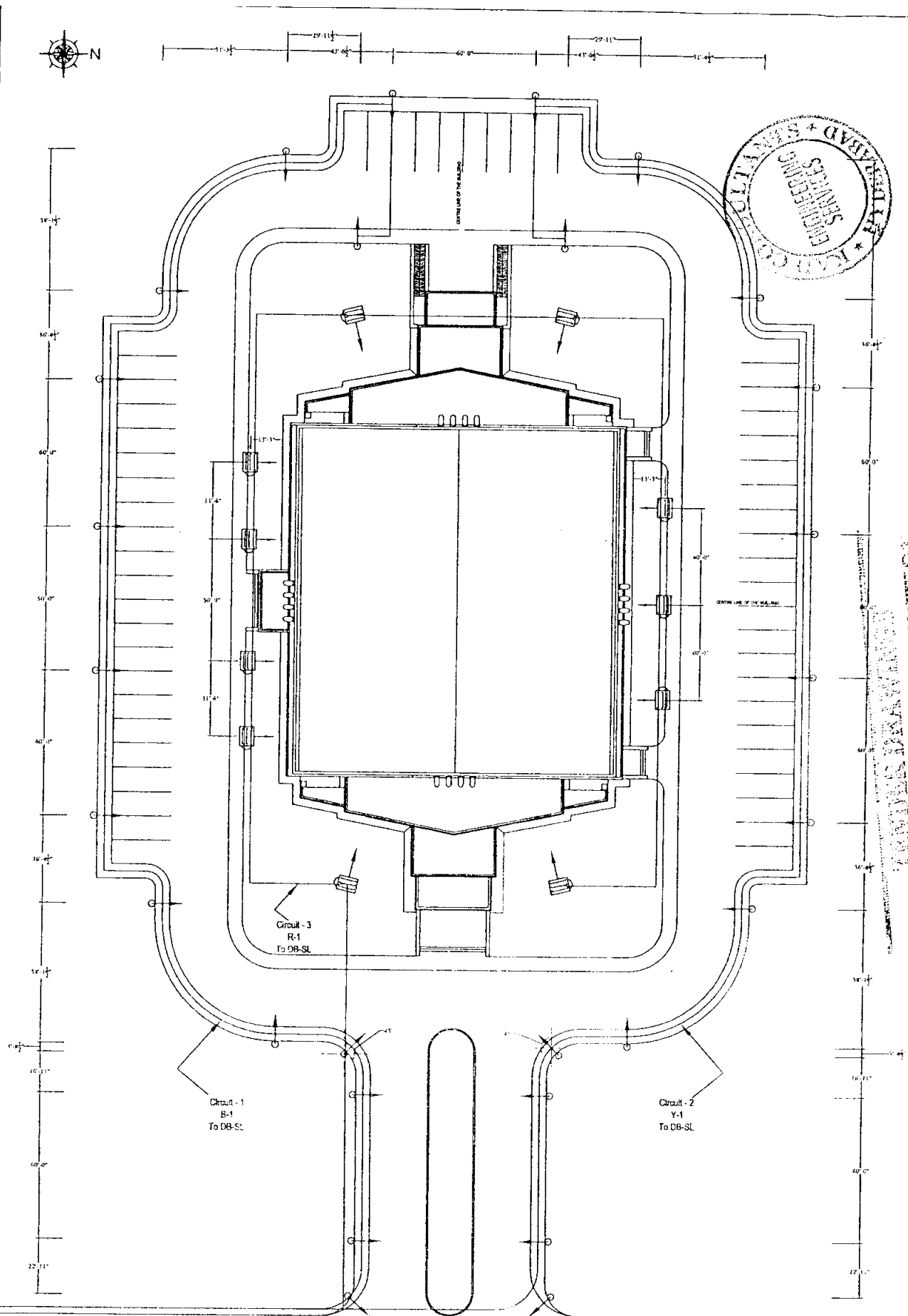
ARCHITECTS
NAQVI AND SIDDIQUE
 INC. ARCHITECTS AND ENGINEERS
 BLOCK NO 13, 1 ST. FLOOR MAS. C
 SLIPER MARKET MARKAZ F-3, ISLAMABAD

EXISTING ROAD

TITLE
 STREET LIGHTING & FLOOD
 LIGHTING LAYOUT -
 STUDENT SERVICE CENTER,
 MUJET, JAMSHORO

PROJECT:
 STREET LIGHTING
 STUDENT SERVICE CENTER & GYMNASIUM
 MEHRAN UNIVERSITY OF ENGINEERING &
 TECHNOLOGY, JAMSHORO

DESIGNED BY: ENGR. SAUULLAH NEMON
 DRAWN BY: ENGR. SAUULLAH NEMON
 PROJECT NO: D19174
 DRAWING NO: N. T. S.
 DATE: 25-02-2014
 E-01

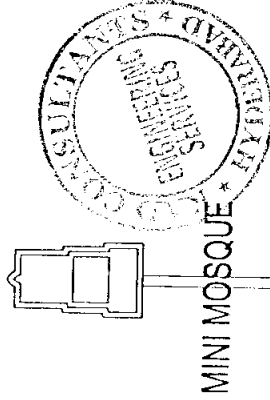
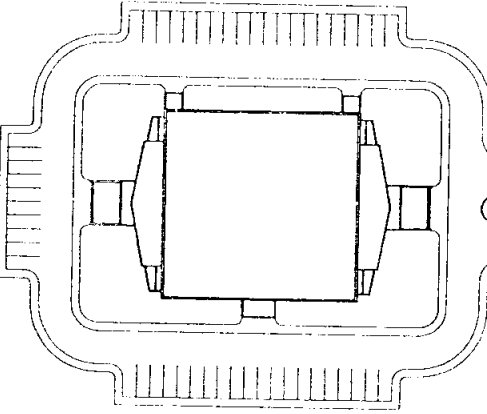


NOT VALID FOR CONSTRUCTION
 TENDER DRAWING

	Flood Light 250Watt HPI Lamp		Street Pole Light	TENDER DRAWINGS					
PROJECT: STREET LIGHTING STUDENT SERVICE CENTER & GYMNASIUM MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY, JAMSHORO		TITLE STREET LIGHTING & FLOOR LIGHTING LAYOUT - GYMNASIUM, MDET, JAMSHORO		ARCHITECTS NAQVI AND SIDDIQUE P&C ARCHITECTS AND ENGINEERS BLOCK NO 16, 1ST FLOOR NAQVI SUPER MARKET MARKAZ F-6 ISLAMABAD		KAD CONSULTANTS ELECTRICAL ENGINEERS F-1, KAMI RESIDENCY, BURJILAN BOURINGI SCHEME, NEAR BUREST BANK, WAZIRO WAK QANJHARAD (PHASE-1), HYDRABAD TEL: +92 99 266274 FAX: +92 99 266270 CELL: +92 334 8777006 E-MAIL: kad_owners@kate@hotmail.com		DESIGNED BY: ENR. SANULLAH MEMON DRAWN BY: ENR. SANULLAH MEMON SCALE: N.T.S. DATE: 25-02-2014	PROJECT NO: 21914 DRAWING NO: E 02

DB - SL
Distribution Board for Street Lights
Beside New 500 kVA KIOSK Sub-Station

GYMNASIUM



MINI MOSQUE

SITE FOR
POST GRADUATE STUDENTS HOSTELS
AND
BACHELOR FACULTY HOSTELS

SITE FOR
STUDENT CENTER

16mm², 4-Core Cable from
500 kVA Sub-Station



PROJECT:

STREET LIGHTING
STUDENT SERVICE CENTER & GYMNASIUM
MEHRAN UNIVERSITY OF ENGINEERING &
TECHNOLOGY, JAMSHORO

TITLE

LAYOUT FOR LOCATION OF
DISTRIBUTION BOARD FOR
STREET LIGHTS, MUJET,
JAMSHORO

ARCHITECTS

NAQVI AND SIDDIQUE
INC. ARCHITECTS AND ENGINEERS
BLOCK NO 15, 'ST' FLOOR MASJID
SUPER MARKET MARKAZ F.6, ISLAMABAD



KAD CONSULTANTS
ELECTRICAL ENGINEERS

P. A. ZULFI RESIDENCY, HOUSAIN, HOUSING
SCHOWAL, SUMMIT BANK, WADHU WAH,
QANSHABAD (CH. J.), FTEHERABAD
CELL: +92 304 9877566 FAX: +92 22 2882275,
E-MAIL: kad.consultants@hotmail.com

DESIGNED BY:

ENGR. SANAUULLAH MEMON

DRAWN BY:

ENGR. SANAUULLAH MEMON

SCALE:

N. T. S

DATE

25-02-2014

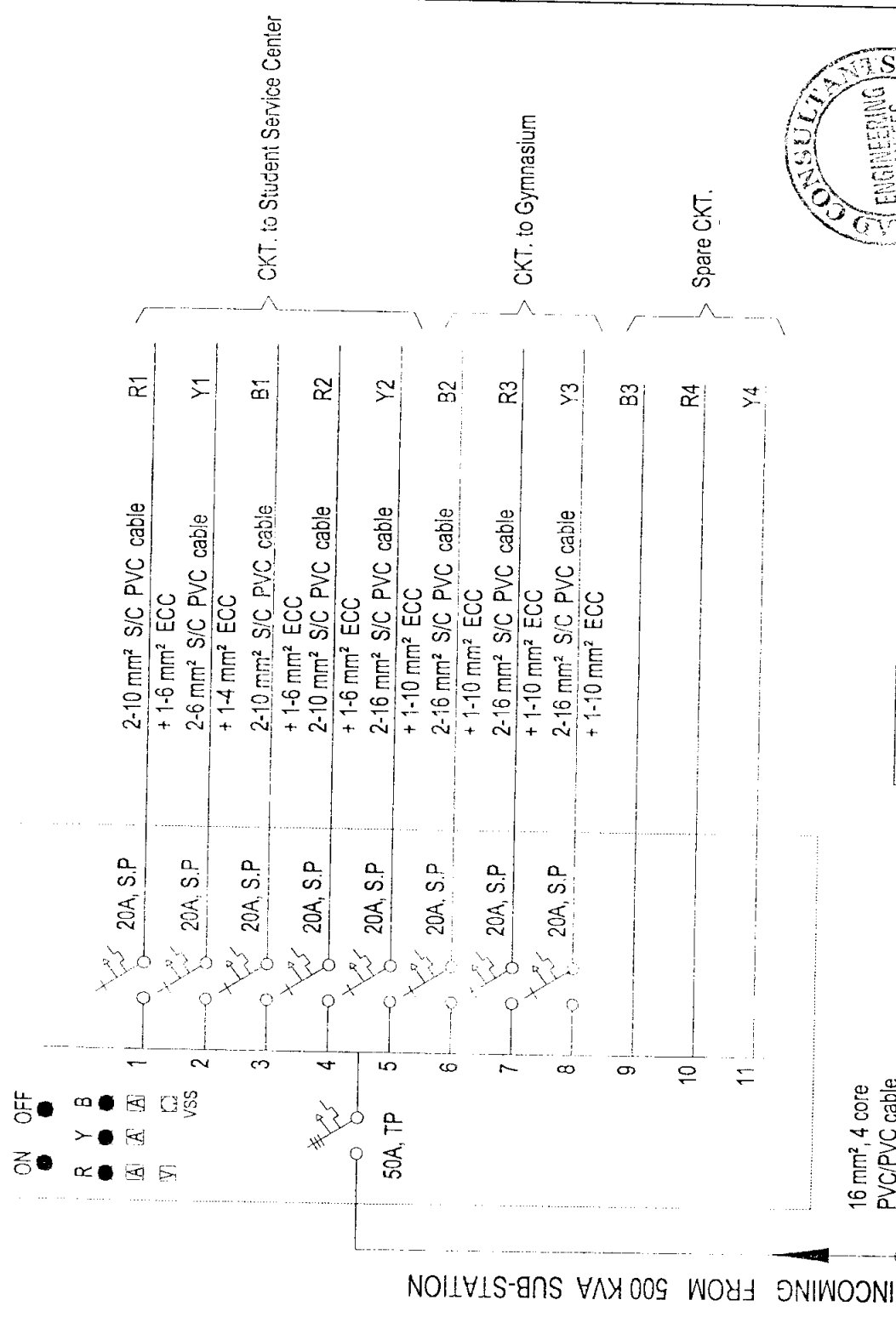
PROJECT NO:

019/14

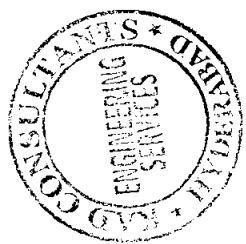
DRAWING NO:

E-03


TENDER DRAWINGS



MAXIMUM DEMAND = 21.75 KW
 CONNECTED LOAD = 21.75 KW



DB - SL
 TENDER DRAWINGS
 NOT VALID FOR CONSTRUCTION

PROJECT STREET LIGHTING STUDENT SERVICE CENTER & GYMNASIUM MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY, JAMSHEDPUR	TITLE SCHEMATIC DIAGRAM DISTRIBUTION BOARD STREET LIGHTS	ARCHITECTS NAQVI AND SIDDIQUE ME ARCHITECTS AND ENGINEERS BLOCK NO. 11, 1ST FLOOR, MASJID SHEEN MARKET, WARANGAL, T.S. 506002	 KAD CONSULTANTS ELECTRICAL ENGINEERS ADDRESS: 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000	DESIGNED BY: ENGR. SAHULAN VEENON	PROJECT NO: 01914
				DRAWN BY: ENGR. SAHULAN VEENON	DRAWING NO.:



MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY,
JAMSHORO, SINDH, PAKISTAN.

Tel: Off: +92-222-771212, Fax: +92-222-771403



No. XEN(Works)/MUET/JAM/2014/-42,
Dated: 17-04-2014

M/s New Mehran Engineering Co.,
Karachi.

WORK ORDER

Subject: **AN EXTENSION OF APPROACH ROAD FROM STUDENT SERVICE CENTRE
TOWARDS THE SPORTS COMPLEX (GYMNASIUM HALL) AT MUET,
JAMSHORO.**

Ref: Your item Rate Tender, Dated: 08-04-2014.

Gentleman.

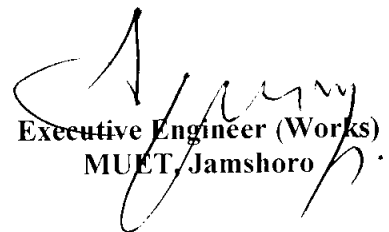
I am pleased to inform you that your item rate tender for execution of the above subjected work consisting the scope attached herewith, at the cost of **Rs.8,845,735.75** has been accepted by the University authorities being lowest in competition.

- ❖ **NO PREMIUM SHALL BE PAID SEPARATELY.**
- ❖ **NO CARTAGE SHALL BE PAID SEPARATELY.**
- ❖ **NO ESCALATION ON ANY MATERIAL SHALL BE PAID SEPARATELY.**

The Mobilization Advance shall be allowed to you at the rate of 10% of the tendered cost on submission of a Mobilization Advance Guarantee for the full amount of the Advance in the specified form from a Scheduled Bank in Pakistan to the Procuring Agency. And the Contractor will pay interest on the mobilization advance at the rate of 10% per annum on the advance.

You are, therefore, directed to please attend the office of the undersigned within Seven (07) days for executing the agreement duly adhesive stamped for completing the other formalities to start the work at site and complete the work within Six (06) Months; according to drawing, design & specifications under the Supervision of undersigned.

The completion time period shall be reckoned from the actual date of start of the work.


Executive Engineer (Works)
MUET, Jamshoro

Copy f.w.c.s to the:

1. Director (Works & Services), MUET, Jamshoro.
2. Director Finance, MUET, Jamshoro.
3. ✓ Director (A&F), Sindh Public Procurement Regulatory Authority (SPPRA), Karachi.
4. Secretary to the Vice Chancellor, MUET, Jamshoro.

**MEHRAN UNIVERSITY OF ENGINEERING AND
TECHNOLOGY, JAMSHORO.**

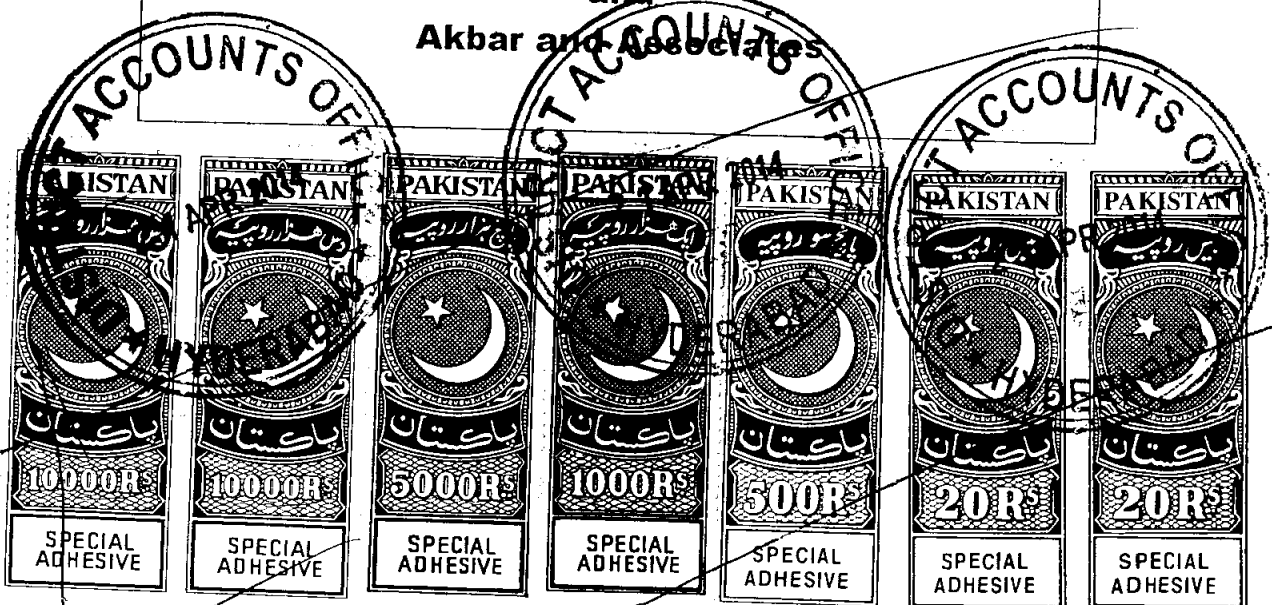
TENDER DOCUMENT

FOR

**AN EXTENSION OF APPROACH ROAD FROM STUDENT
SERVICE CENTRE TOWARDS THE SPORTS COMPLEX
(GYMNASIUM HALL) AT MUET, JAMSHORO.**

Consultants

**Naqvi and Siddiqui
and
Akbar and Associates**



Assistant Accountant
District Accounts Officer Hyderabad

General Conditions

General Provisions

1.1 Definitions

In the Conditions of Contract (“these Conditions”), which include Particular Conditions, Parts A and B, and these General Conditions, the following words and expressions shall have the meanings stated. Words indicating persons or parties include corporations and other legal entities, except where the context requires otherwise.

- A. “Employer” means the Mehran University solely represented by the Director (Works & Service) of Mehran University.
- B. “Contractor” means the persons or, firm or company, whose tender has been accepted by the Employer and includes Contractors representative, successors and permitted assignees.
- C. “Consultant” means Naqvi & Siddiqui who prepared the Drawings, design and these documents, will provide consulting services to the Employer during construction.
- D. “Executive Engineer (Works)” means the authorized Officer of the University, who possess the role of Controlling and Co-ordination between University, Consultants and Contractor.
- E. “Works” means all the works and things to be executed, supplied or done in accordance with the contract.
- F. “University”: means Mehran University of Engineering & Technology, Jamshoro.

1.1.1 The Contract

1.1.1.1 “Contract” means the Contract Agreement, the Letter of Acceptance, the Letter of Tender, these Conditions, the Specification, the Drawings, the Schedules, and the further documents (if any) which are listed in the Contract Agreement or in the Letter of Acceptance.

1.1.1.2 “Contract Agreement” means the contract agreement referred to in Sub- Clause 1.6 [Contract Agreement].

1.1.1.3 “Letter of Acceptance” means the letter of formal acceptance, signed by the Procuring Agency, of the Letter of Tender, including any annexed memoranda comprising agreements between and signed by both Parties. If there is no such letter of acceptance, the expression “Letter of Acceptance” means the Contract Agreement and the date of issuing or receiving the Letter of Acceptance means the date of signing the Contract Agreement.

1.1.1.4 "Letter of Tender" means the document entitled letter of tender or letter of bid, which was completed by the Contractor and includes the signed offer to the Procuring Agency for the Works.

1.1.1.5 "Specification" means the document entitled specification, as included in the Contract, and any additions and modifications to the specification in accordance with the Contract. Such document specifies the Works.

1.1.1.6 "Drawings" means the drawings of the Works, as included in the Contract, and any additional and modified drawings issued by (or on behalf of) the Procuring Agency in accordance with the Contract.

1.1.1.7 "Schedules" means the document(s) entitled schedules, completed by the Contractor and submitted with the Letter of Tender, as included in the Contract. Such document may include the Bill of Quantities, data, lists, and schedules of rates and/or prices.

1.1.1.8 "Tender" means the Letter of Tender and all other documents which the Contractor submitted with the Letter of Tender, as included in the Contract.

1.1.1.9 "Bill of Quantities", "Daywork Schedule" and "Schedule of Payment Currencies" mean the documents so named (if any) which are comprised in the Schedules.

1.1.1.10 "Contract Data" means the pages completed by the Procuring Agency entitled contract data which constitute Part A of the Particular Conditions.

1.1.2 Parties and Persons

1.1.2.1 "Party" means the Procuring Agency or the Contractor, as the context requires.

1.1.2.2 "Procuring Agency" means the person named as employer in the Contract Data and the legal successors in title to this person.

1.1.2.3 "Contractor" means the person(s) named as contractor in the Letter of Tender accepted by the Employer and the legal successors in title to this person(s).

1.1.2.4 "Engineer" means the person appointed by the Procuring Agency to act as the Engineer for the purposes of the Contract and named in the Contract Data, or other person appointed from time to time by the Employer and notified to the Contractor under Sub-Clause 3.4 [Replacement of the Engineer].

1.1.2.5 "Contractor's Representative" means the person named by the Contractor in the Contract or appointed from time to time by the Contractor under Sub-Clause 4.3 [Contractor's Representative], who acts on behalf of the Contractor.

1.1.2.6 "Procuring Agency's Personnel" means the Engineer, the assistants referred to in Sub-Clause 3.2 [Delegation by the Engineer] and all other staff, labour and other employees of the Engineer and of the Procuring Agency; and any other personnel notified to the Contractor, by the Procuring Agency or the Engineer, as Procuring Agency's Personnel.

1.1.2.7 "Contractor's Personnel" means the Contractor's Representative and all personnel whom the Contractor utilizes on Site, who may include the staff, labour and other employees of the Contractor and of each Subcontractor; and any other personnel assisting the Contractor in the execution of the Works.

1.1.2.8 "Subcontractor" means any person named in the Contract as a subcontractor, or any person appointed as a subcontractor, for a part of the Works; and the legal successors in title to each of these persons.

1.1.2.9 "DB" means the person or three persons appointed under Sub-Clause 20.2 [Appointment of the Dispute Board] or Sub-Clause 20.3 [Failure to Agree on the Composition of the Dispute Board].

1.1.2.10 "FIDIC" means the Fédération Internationale des Ingénieurs-Conseils, the international federation of consulting engineers.

1.1.2.11 "Bank" means the financing institution (if any) named in the Contract Data.

1.1.2.12 "Borrower" means the person (if any) named as the borrower in the Contract Data.

1.1.3 Dates, Tests, Periods and Completion

1.1.3.1 "Base Date" means the date 15 days prior to the latest date for submission and completion of the Tender.

1.1.3.2 "Commencement Date" means the date notified under Sub-Clause 8.1 [Commencement of Works].

1.1.3.3 "Time for Completion" means the time for completing the Works or a Section (as the case may be) under Sub-Clause 8.2 [Time for Completion], as stated in the Contract Data (with any extension under Sub-Clause 8.4 [Extension of Time for Completion]), calculated from the Commencement Date.

1.1.3.4 "Tests on Completion" means the tests which are specified in the Contract or agreed by both Parties or instructed as a Variation, and which are carried out under Clause 9 [Tests on Completion] before the Works or a Section (as the case may be) are taken over by the Procuring Agency.

1.1.3.5 "Taking-Over Certificate" means a certificate issued under Clause 10 [Procuring Agency's Taking Over].

1.1.3.6 "Tests after Completion" means the tests (if any) which are specified in the Contract and which are carried out in accordance with the Specification after the Works or a Section (as the case may be) are taken over by the Procuring Agency.

1.1.3.7 "Defects Notification Period" means the period for notifying defects in the Works or a Section (as the case may be) under Sub-Clause 11.1 [Completion of Outstanding Work and Remedying Defects], which extends over twelve months except if otherwise stated in the Contract Data (with any extension under Sub-Clause 11.3 [Extension of Defects Notification Period]), calculated from the date on which the Works or Section is completed as certified under Sub-Clause 10.1 [Taking Over of the Works and Sections].

1.1.3.8 "Performance Certificate" means the certificate issued under Sub-Clause 11.9 [Performance Certificate].

1.1.3.9 "day" means a calendar day and "year" means 365 days.

1.1.4 Money and Payments

1.1.4.1 "Accepted Contract Amount" means the amount accepted in the Letter of Acceptance for the execution and completion of the works and the remedying of any defects.

1.1.4.2 "Contract Price" means the price defined in Sub-Clause 14.1 [The Contract Price], and includes adjustments in accordance with the Contract.

1.1.4.3 "Cost" means all expenditure reasonably incurred (or to be incurred) by the Contractor, whether on or off the Site, including overhead and similar charges, but does not include profit.

1.1.4.4 "Final Payment Certificate" means the payment certificate issued under Sub-Clause 14.13 [Issue of Final Payment Certificate].

1.1.4.5 "Final Statement" means the statement defined in Sub-Clause 14.11 [Application for Final Payment Certificate].

1.1.4.6 "Foreign Currency" means a currency in which part (or all) of the Contract Price is payable, but not the Local Currency.

1.1.4.7 "Interim Payment Certificate" means a payment certificate issued under Clause 14 [Contract Price and Payment], other than the Final Payment Certificate.

1.1.4.8 "Local Currency" means the currency of the Country.

1.1.4.9 "Payment Certificate" means a payment certificate issued under Clause 14 [Contract Price and Payment].

1.1.4.10 "Provisional Sum" means a sum (if any) which is specified in the Contract as a provisional sum, for the execution of any part of the Works or for the supply of Plant, Materials or services under Sub-Clause 13.5 [Provisional Sums].

1.1.4.11 "Retention Money" means the accumulated retention moneys which the Procuring Agency retains under Sub-Clause 14.3 [Application for Interim Payment Certificates] and pays under Sub-Clause 14.9 [Payment of Retention Money].

1.1.4.12 "Statement" means a statement submitted by the Contractor as part of an application, under Clause 14 [Contract Price and Payment], for a payment certificate.

1.1.5 Works and Goods

1.1.5.1 "Contractor's Equipment" means all apparatus, machinery, vehicles and other things required for the execution and completion of the Works and the remedying of any defects. However, Contractor's Equipment excludes Temporary Works, Procuring Agency's Equipment (if any), Plant, Materials and any other things intended to form or forming part of the Permanent Works.

1.1.5.2 "Goods" means Contractor's Equipment, Materials, Plant and Temporary Works, or any of them as appropriate.

1.1.5.3 "Materials" means things of all kinds (other than Plant) intended to form or forming part of the Permanent Works, including the supply-only materials (if any) to be supplied by the Contractor under the Contract.

1.1.5.4 "Permanent Works" means the permanent works to be executed by the Contractor under the Contract.

1.1.5.5 "Plant" means the apparatus, machinery and vehicles intended to form or forming part of the Permanent Works, including vehicles purchased for the Procuring Agency and relating to the construction or operation of the Works.

1.1.5.6 "Section" means a part of the Works specified in the Contract Data as a Section (if any).

1.1.5.7 "Temporary Works" means all temporary works of every kind (other than Contractor's Equipment) required on Site for the execution and completion of the Permanent Works and the remedying of any defects.

1.1.5.8 "Works" mean the Permanent Works and the Temporary Works, or either of them as appropriate.

1.1.6 Other Definitions

1.1.6.1 "Contractor's Documents" means the calculations, computer programs and other software, drawings, manuals, models and other documents of a technical nature (if any) supplied by the Contractor under the Contract.

1.1.6.2 "Country" means the country in which the Site (or most of it) is located, where the Permanent Works are to be executed.

1.1.6.3 "Procuring Agency's Equipment" means the apparatus, machinery and vehicles (if any) made available by the Employer for the use of the Contractor in the execution of the Works, as stated in the Specification; but does not include Plant which has not been taken over by the Employer.

1.1.6.4 "Force Majeure" is defined in Clause 19 [Force Majeure].

1.1.6.5 "Laws" means all national (or state) legislation, statutes, ordinances and other laws, and regulations and by-laws of any legally constituted public authority.

1.1.6.6 "Performance Security" means the security (or securities, if any) under Sub-Clause 4.2 [Performance Security].

1.1.6.7 "Site" means the places where the Permanent Works are to be executed, including storage and working areas, and to which Plant and Materials are to be delivered, and any other places as may be specified in the Contract as forming part of the Site.

1.1.6.8 "Unforeseeable" means not reasonably foreseeable by an experienced contractor by the Base Date.

1.1.6.9 "Variation" means any change to the Works, which is instructed or approved as a variation under Clause 13 [Variations and Adjustments].

1.2 Interpretation

In the Contract, except where the context requires otherwise:

- (a) words indicating one gender include all genders;
- (b) words indicating the singular also include the plural and words indicating the plural also include the singular;
- (c) provisions including the word "agree", "agreed" or "agreement" require the agreement to be record in writing;
- (d) "written" or "in writing" means hand-written, type-written, printed or electronically made, and resulting in a permanent record; and

- (e) the word "tender" is synonymous with "bid", and "tenderer" with "bidder" and the words "tender documents" with "bidding documents".

The marginal words and other headings shall not be taken into consideration in the interpretation of these Conditions.

In these Conditions, provisions including the expression "Cost plus profit" require this profit to be one-twentieth (5%) of this Cost unless otherwise indicated in the Contract Data.

1.3 Communications

Wherever these Conditions provide for the giving or issuing of approvals, certificates, consents, determinations, notices, requests and discharges, these communications shall be:

- (a) in writing and delivered by hand (against receipt), sent by mail or courier, or transmitted using any of the agreed systems of electronic transmission as stated in the Contract Data; and
- (b) delivered, sent or transmitted to the address for the recipient's communications as stated in the Contract Data. However:
 - (i) if the recipient gives notice of another address, communications shall thereafter be delivered accordingly; and
 - (ii) if the recipient has not stated otherwise when requesting an approval or consent, it may be sent to the address from which the request was issued. Approvals, certificates, consents and determinations shall not be unreasonably withheld or delayed. When a certificate is issued to a Party, the certifier shall send a copy to the other Party. When a notice is issued to a Party, by the other Party or the Engineer, a copy shall be sent to the Engineer or the other Party, as the case may be.

1.4 Law and Language

The Contract shall be governed by the law of the country or other jurisdiction stated in the Contract Data.

The ruling language of the Contract shall be that stated in the Contract Data.

The language for communications shall be that stated in the Contract Data. If no language is stated there, the language for communications shall be the ruling language of the Contract.

1.5 Priority of Documents

The documents forming the Contract are to be taken as mutually explanatory of one another. For the purposes of interpretation, the priority of the documents shall be in accordance with the following sequence:

- (a) the Contract Agreement (if any),
- (b) the Letter of Acceptance,
- (c) the Tender,
- (d) the Particular Conditions - Part A,
- (e) the Particular Conditions - Part B,
- (f) these General Conditions,
- (g) the Specification,
- (h) the Drawings, and
- (i) the Schedules and any other documents forming part of the Contract.

If an ambiguity or discrepancy is found in the documents, the Engineer shall issue any necessary clarification or instruction.

NEW MEHRAN ENGINEERING CO



PROPRIETOR



**MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY,
JAMSHORO, SINDH, PAKISTAN.**

Tel: Off: +92-222-771212, Fax: +92-222-771403



No. XEN(Works)/MUET/JAM/2014/-41.
Dated: 17-04-2014

M/s Gul Traders,
Hyderabad.

WORK ORDER

Subject: **INTERNAL & EXTERNAL ELECTRIFICATION, COMPUTER NETWORKING & AIR-CONDITIONING WORKS OF GIRLS HOSTEL FOR 150 STUDENTS AT MUET, JAMSHORO.**

Ref: Your item Rate Tender, Dated: 08-04-2014.

Gentleman.

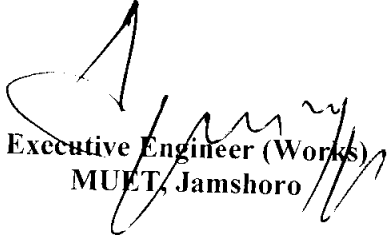
I am pleased to inform you that your item rate tender for execution of the above subjected work consisting the scope attached herewith, at the cost of **Rs.11,011,296.00** has been accepted by the University authorities being lowest in competition.

- ❖ **NO PREMIUM SHALL BE PAID SEPARATELY.**
- ❖ **NO CARTAGE SHALL BE PAID SEPARATELY.**
- ❖ **NO ESCALATION ON ANY MATERIAL SHALL BE PAID SEPARATELY.**

The Mobilization Advance shall be allowed to you at the rate of 10% of the tendered cost on submission of a Mobilization Advance Guarantee for the full amount of the Advance in the specified form from a Scheduled Bank in Pakistan to the Procuring Agency. And the Contractor will pay interest on the mobilization advance at the rate of 10% per annum on the advance.

You are, therefore, directed to please attend the office of the undersigned within Seven (07) days for executing the agreement duly adhesive stamped for completing the other formalities to start the work at site and complete the work within Twelve (12) Months; according to drawing, design & specifications under the Supervision of Sub-Engineer (Electrical), MUET, Jamshoro.

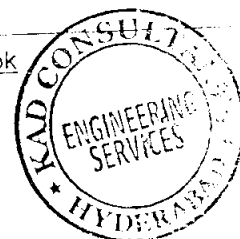
The completion time period shall be reckoned from the actual date of start of the work.


Executive Engineer (Works)
MUET, Jamshoro

Copy f.w.c.s to the:

1. Director (Works & Services), MUET, Jamshoro.
2. Director Finance, MUET, Jamshoro.
3. ✓ Director (A&F), Sindh Public Procurement Regulatory Authority (SPPRA), Karachi.
4. Secretary to the Vice Chancellor, MUET, Jamshoro.
5. Sub-Engineer (Electrical), MUET, Jamshoro, for information. He is further directed to intimate the undersigned about the actual date of start of the work.

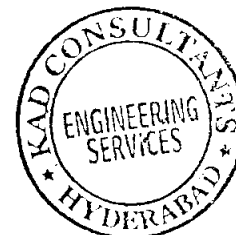
LIST OF APPROVED ELECTRICAL MANUFACTURERS




**LIST OF APPROVED ELECTRICAL MATERIALS / MANUFACTURERS
ELECTRICAL WORKS
FOR
GIRLS' HOSTEL NO. 3
MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY, JAMSHORO**

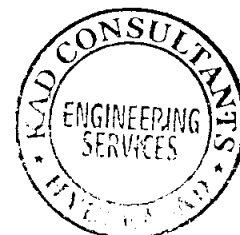
S. No.	Name of Component/System	Manufacturer	Local Agent/Contact Person	Contact Number
1.	L.T Distribution Board	Power Protection Services (PPS) Karachi	Muhammad Faisal	0301-2297443
		Best Electric Panels, Hyderabad	Muhammad Owais Shaikh	022-3863232 022-3813535
2.	MCCB	Terasaki, Japan	Jubilee Corporation Salik Mehmood (Project Sales Engineer)	021-32602211
		Hager, France	Mr. Farrukh Khan (Asstt. Manager-Sales)	111-777-888
		Schneider Electric		
3.	MCB	Terasaki, Japan	Jubilee Corporation Salik Mehmood (Project Sales Engineer)	021-32602211
		Hager, France		
4.	Current Transformer	Terasaki, Japan	Jubilee Corporation Salik Mehmood (Project Sales Engineer)	021-32602211
		Revalco (Italy)		
5.	Voltmeter/Ammeter (Digital)	Revalco (Italy)	Jubilee Corporation Salik Mehmood (Project Sales Engineer)	021-32602211
		Autonics (SWE Taiwan)		
6.	Voltmeter/Ammeter Selector Switch	K&N (Kraus & Naimer), New Zealand	Jubilee Corporation/Salik Mehmood (Project Sales Engineer)	021-32602211
7.	CT Operated Electronic Energy Meter & Electrical Analyzer (Digital)	lovato Italy	Jubilee Corporation/Salik Mehmood (Project Sales Engineer)	021-32602211
8.	Indication / Pilot Lamp	Lovato Italy	Jubilee Corporation	021-32602211
		Maruyasu, Japan	Salik Mehmood (Project Sales Engineer)	
9.	Cables, Wires, & ECC. (Bare Copper Conductors)	Pakistan Cables Ltd.	Wasim Ahmed (Senior Sales Executive)	021-32561170-75
		Newage Cables Ltd.	Syed Farhan	021-35837577
10.	Light Fixtures	Philips Electrical Industries of Pakistan Ltd.	Taimoor Waseem (Senior Lighting Application Specialist)	021-35644263
			Haris Masood (Accounts Manager)	021-35644262
11.	Ceiling, Wall Bracket & Exhaust Fans	Pak Fans - Wahid Industries Ltd.	M.A. Majeed (Manager Sales)	053-3525211-14
		Millat Fans	Madina Electronics/M. Kashif Shaif	021-35657611
12.	Lighting Switches, Sockets, Call Bell, Bell Press & Multi-Outlet Boxes	Clipsal	Mukhtar Ahmed (Sales Executive)	021-111-081-081
		Opal		
13.	Switches, Sockets Back Box, Pull Box	Clipsal	Mukhtar Ahmed (Sales Executive)	021-111-081-081
		Opal		
14.	PVC Consumer Unit (Plastic DB)	Clipsal	Mukhtar Ahmed (Sales Executive)	021-111-081-081
15.	PVC Conduit	Dadex	Amir Hussain (Area Manager - Retail & Distribution - South)	021-35397002-9 (Ext. 106)
		Pak Arab		

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Hyderabad.

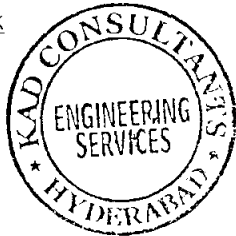


16	Voice Cable	Pakistan Cables Ltd.	Wasim Ahmed (Senior Sales Executive)	021-32586325
		Schneider Electric	Clipsal / Syed Adeel Shah (Executive Engineer - Network Connectivity)	021-35067278
		3M, Pakistan	Britlite Engineering Company Karachi Abdul Razzaq (Project Engineer)	021-35341732-6
17.	Computer Data Cables	Schneider Electric	Clipsal / Syed Adeel Shah (Executive Engineer - Network Connectivity)	021-35067278
		3M, Pakistan	Britlite Engineering Company Karachi Abdul Razzaq (Project Engineer)	021-35341732-6
18.	Computer Data Equipments & Accessories	Schneider Electric	Clipsal / Syed Adeel Shah (Executive Engineer - Network Connectivity)	021-35067278
		3M, Pakistan	Britlite Engineering Company Karachi Abdul Razzaq (Project Engineer)	021-35341732-6
19.	Air Conditioners	Mitsubishi	Orient Electronics (Pvt.) Ltd. / Shahid Mehmood (Manager Commercial Air Conditioning)	042-111-111-660


M/S THE TRADERS
 Govt. & Elec. Contr.
 Hyderabad.



BILL OF QUANTITIES



Internal & External Electrification, Air-Conditioning, Computer Data, & Voice System Works of Girls' Hostel at Mehran University of Engineering & Technology, Jamshoro.

MAIN SUMMARY

S.No.	Description	Amount (Rs.)
1	Section-1: Internal Electrification (Scheduled Items) <i>This amount carried from page no:109</i>	Rs. 21,11,096-00
2	Section-2: Internal Electrification (Non-Scheduled Items) <i>This amount carried from page no:110</i>	Rs. 88,940-00
3	Section-3: Light Fittings & Fixture (Scheduled items) <i>This amount carried from page no:110</i>	Rs. 523,693-00
4	Section-4: Light Fittings & Fixture (Non-Scheduled items) <i>This amount carried from page no:111</i>	Rs. 14,36,360-00
5	Section-5: Power Distribution Board (Scheduled items) <i>This amount carried from page no:112</i>	Rs. 1,43,790-00
6	Section-6: Power Distribution Boards (Non-Scheduled items) <i>This amount carried from page no:112</i>	Rs. 1,16,763-00
7	Section-7: Main Feeders & Cables (Non-Scheduled items) <i>This amount carried from page no:113</i>	Rs. 21,25,000-00
8	Section-8: Distribution Boards & Feeders (Scheduled items) <i>This amount carried from page no:117</i>	Rs. 3,13,994-00
9	Section-9: Distribution Boards & Feeders (Non-Scheduled items) <i>This amount carried from page no:120</i>	Rs. 2,40,450-00
10	Section-10: Earthing (Non-Scheduled items) <i>This amount carried from page no:121</i>	Rs. 20,5800-00
11	Section-11: Voice System (Non-Scheduled Items) <i>This amount carried from page no:121</i>	Rs. 49,605-00
12	Section-12: External Electrification For Motor (Scheduled Items) <i>This amount carried from page no:122</i>	Rs. 32,031-00
13	Section-13: External Electrification For Motor (Non-Scheduled Items) <i>This amount carried from page no:122</i>	Rs. 49,435-00
14	Section-14: External Electrification For Lighting Fixtures (Scheduled Items) <i>This amount carried from page no:122</i>	Rs. 1,10,057-00
15	Section-15: External Electrification For Lighting Fixtures (Non-Scheduled Items) <i>This amount carried from page no:123</i>	Rs. 2,500-00
16	Section-16: Light Fittings & Fixtures (Non-Scheduled Items) <i>This amount carried from page no:123</i>	Rs. 3,82,000-00
17	Section-17: Computer Data System (Scheduled Items) <i>This amount carried from page no:124</i>	Rs. 3,03,096-00
18	Section-18: Computer Data System (Non-Scheduled Items) <i>This amount carried from page no:124</i>	Rs. 15,60,589-00
19	Section-19: Distribution Boards (Scheduled Items) <i>This amount carried from page no:125</i>	Rs. 69,507-00
20	Section-20: Distribution Boards (Non-Scheduled Items) <i>This amount carried from page no:126</i>	Rs. 60,800-00
21	Section-21: Supply & Installation of A/C Units (Non-Scheduled Items) <i>This amount carried from page no:127</i>	Rs. 8,27,000-00
22	Section-22: Wiring of A/C Units (Scheduled Items) <i>This amount carried from page no:127</i>	Rs. 1,07,276-00
23	Section-23: Wiring of A/C Units (Non-Scheduled Items) <i>This amount carried from page no:127</i>	Rs. 50,650-00
24	Section-24: Distribution Boards (Scheduled Items) <i>This amount carried from page no:128</i>	Rs. 62,664-00
25	Section-25: Distribution Boards (Non-Scheduled Items) <i>This amount carried from page no:129</i>	Rs. 38,200-00
TOTAL AMOUNT		Rs. 1,10,11,296-00

Amount in Words: "Eleven Millions Eleven thousand Two hundred and Ninety Six Rupees only -."

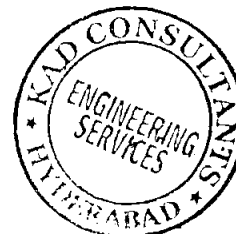
SIGNATURE OF BIDDER

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M/S OUL TRADERS
Govt: Civil & Elec: Contr:
Hyderabad.

M/S OUL TRADERS
Govt: Civil & Elec: Contr:
Hyderabad.

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Section No. 1 INTERNAL ELECTRIFICATION (Scheduled Items)

S. No.	Item Description	Qty	Unit	Unit Rate (Rs.)	Total Amount (Rs.)
1.	Providing and Laying for light or fan point with 3/0.029 PVC insulated copper wire in 20mm (3/4") PVC conduit recessed in wall or column as required. (ESI # 124, P # 15)	790	P. Point	1,130.00	892,700.00
2.	Providing and Laying for plug point with 2-3/0.029 PVC insulated copper wire in 20mm (3/4") PVC conduit recessed in the wall or column as required. (ESI # 126, P # 15).	134	P. Point	985.00	131,990.00
3.	Providing and Laying for call bell point with 2-3/0.029 PVC insulated copper wire in 20mm (3/4") PVC conduit recessed in the wall or column as required. (ESI # 128, P # 15).	4	P. Point	1,764.00	7,056.00
4.	Providing and Laying (for main or sub-main) with 2-7/0.029 S/C, PVC insulated copper wire in 20mm (3/4") PVC conduit recessed in the wall or as required (Lighting Circuit to DB) (ESI # 10, P # 2) (Approx length.)	1,830	Mtr.	222.00	406,260.00
5.	Providing and Laying (for main or sub-main) with 2-7/0.036 S/C, PVC insulated copper wire in 20mm (3/4") dia PVC conduit recessed in the wall or as required (Power Circuit) (ESI # 11, P # 2) (Approx length.)	600	Mtr.	252.00	151,200.00
6.	Providing and Laying (for main or sub-main) with 2-7/0.044 S/C, PVC insulated copper wire in 20mm (3/4") dia PVC conduit recessed in the wall or as required. (Power Circuit) (ESI # 12, P # 2) (Approx length.)	1,980	Mtr.	341.00	675,180.00
7.	Providing & fixing of one way, S.P., 5A, flush type, switches (ESI # 219, P # 33)	790	No.	54.00	42,660.00
8.	Providing & fixing two pin 5 amp plug & socket. (ESI # 222, P # 33)	130	No.	80.00	10,400.00
9.	Providing & fixing of two way, S.P., 5A, flush type switches. (ESI # 220, P # 33)	4	No.	55.00	220.00
10.	Providing and fixing of 2/3 pin (flat type), 5 Amps, S.P., plug & socket. (ESI # 223, P # 33)	151	No.	91.00	13,741.00
11.	Providing, fixing and connecting 3 pin (round), 15A, S.P., plug & socket, flush type. (ESI # 227, P # 33)	88	No.	162.00	14,256.00
Total Cost of Schedule Items (A)					2,345,663.00

I the Contractor M/s Gul Traders Hyd
 Hereby quote 10% premium above/below on the schedule items.

(B) = 234566-00

Total Amount of SECTION-1 Schedule Items (A+B) in RS. 211096-00

Amount Carried over to summary at serial no - 1, Page-no: 108

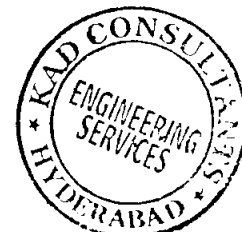
Section No. 2 INTERNAL ELECTRIFICATION (Non-Scheduled)

M/S GUL TRADERS
 Govt. Civil & Elec: Contr:
 Hyderabad.

S. No.	Item Description	Qty	Unit	Unit Rate (Rs.)	Total Amount (Rs.)
1.	Providing & fixing of Call Bell, installed at the marked places in the drawings. (Call Bell of M/s Opal/Clipsal or equivalent quality, approved by EI)	4	No.	450-	1800-00

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 Hyderabad.



2.	Providing & fixing of Bell Press on a given prepared board (Bell Press of M/s Opal/Clipsal or equivalent quality approved by EI).	4	No.	215 - 860 - 00	
3.	Providing and fixing of Plastic Back Box, recessed in the wall or columns and covered with socket sheet to house plug-socket switch or regulator etc. a) Size: 145mm x 80mm x 56mm (LxWxD) b) Size: 78mm x 83mm x 56mm (LxWxD)	204 37	No. No.	250 - 51000 - 00 250 - 9250 - 00	
4.	Providing and fixing of Plastic Back Box, to accommodate mains or sub mains switches, plug socket units etc., recessed in the wall, as required. a) Size: 78mm x 83mm x 56mm (LxWxD)	369	No.	70 - 25,830 - 00	
5.	Providing and fixing of Plastic Back Box, to accommodate Bell Press, recessed in the wall, as required. a) Size: 78mm x 83mm x 56mm (LxWxD)	4	No.	50 - 200 - 00	
Total Amount of SECTION-2 Non-Schedule Items in Rs.				88,940-00	

Amount carried over to summary at serial no - 2, Page- no 108

Section No. 3 LIGHT FITTINGS & FIXTURES (Scheduled items)

M/S GUL TRADERS
Govt: Civil & Elec: Contr:
Hyderabad.

S. No.	Item Description	Qty	Unit	Unit Rate (Rs)	Total Amount (Rs)
1	Providing, installing and connecting of following fans:				
1.1	Millat/Asia/Pak make or equivalent 56" sweep ceiling fan complete with fan dimmer, canopy, down rod, etc. including fixing of fan dimmers in the given and making holes on both sides of down rod and Providing and Laying it with 1.5mm ² twin core, 450/750V grade PVC/PVC and also providing of 16mm dia mild steel fan hook on R. C. C. roof or beam as required. Complete in all respect with all accessories. (ESI # 235, P # 34)	162	No.	3,185.00	515,970.00
1.2	Providing & fixing Brass Bracket Fan 18" (good quality). (ESI # 236, P # 34)	11	No.	2,968.00	32,648.00
1.3	Providing & fixing Baklite Ceiling Rose with two terminals. (ESI # 228, P # 33)	248	No.	72.00	17,856.00
1.4	Providing & fixing bracket Lamp Holder suitable for 15 mm (5/8") dia Bracket (ESI # 231, P # 33)	214	No.	72.00	15,408.00
Total of Schedule Items (A)					581,882.00

I the Contractor M/s M/S Gul Traders Hyd

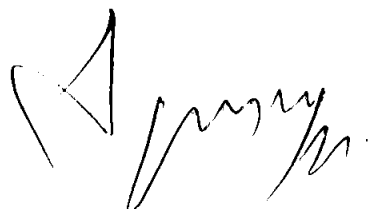
Hereby quote 10% premium above/below on the schedule items.

(B) 58,188-00

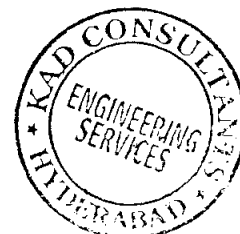
Total Amount of SECTION-3 Schedule Items (A+B) in Rs.

5,23,693-00

Amount carried over to summary at serial no - 3, Page- no 108



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Govt: Civil & Elec: Contr:
Hyderabad.



Section No. 4 LIGHT FITTINGS & FIXTURES (Non-Scheduled items)

S. No.	Item Description	QTY	Unit	Unit Rate (Rs)	Total Amount (Rs)
1.	Providing, installing, fixing and connecting of following light fixtures with lamps, chokes, starters, capacitors etc., complete with all internal connections and all fixing and mounting accessories. Jobs includes rod and Providing and Laying as given in drawing.				
1.1	Philips make recessed light fitting TBS-299/288 2x28W T5 Baes Solution, Post Painted Sheet Steel, High Purity Pre-Anodized Aluminium. <i>equivalemt.</i>	84	No.	7140	599,760.00
1.2	Philips make TMS-140 or equivalent flourescent light fixture with 1x36W TL'D' Lamp.	203	No.	2500	507,500.00
1.3	Philips make TMS-120 or equivalent flourescent light fixture with 1x18W TL'D' Lamp. (Mirror light)	30	No.	2000	60,000.00
1.4	Philips make FCS-120 (Lunar Surface Mounted) or equivalent Downlighter with 24W-E27 220-240V CFL lamp. Complete in all respect with all accessories.	73	No.	2000	1,46,000.00
1.5	Philips make CFL Tornado 24W CDL E27 220-240V 1PF	214	No.	500	1,07,000.00
2.	Providing, installing and connecting of following fans.				
2.1	Millat/Asia/Pak make or equivalent 12" sweep exhaust fan, complete with capacitors including making of hole in wall to accommodate the fan & repairing good the damages Complete in all respect with all accessories.	4	No.	2000	8,000.00
3.	Providing & Installing of plastic Fan Box for supply of wiring for fan with Steel Hook for supporting the fan and plastic cover to cover the fan box, complete in all respect.	162	No.	50	8,100.00
Total Amount of SECTION-4 Non-Schedule Items in Rs.					14,36,360.00

Amount carried over to summary at serial no - 4, Page- no: 108

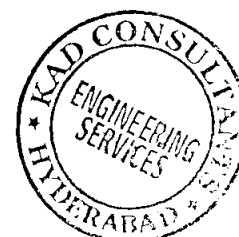
Section No. 5 POWER DISTRIBUTION BOARDS (Scheduled items)

S. No.	Item Description	QTY	Unit	Unit Rate (Rs)	Total Amount (Rs)
1.	Providing, installing, connecting & commissioning of the following Distribution Boards (DBs) fabricated of 14 SWG steel clad, cubical design with hinged door cover, wall (recessed) mounted, factory assembled, suitable for 3 phase, 4 wire, 500 volts, 50 Hz A.C. Power Supply complete with pure copper busbars, copper cable lugs, glands, neutral link, earth block, terminal block etc., & having following configurations (All equipment rated to 25 kA short circuit rating until specified other and 50°C ambient temperature at 415V). Panel enclosure to comply with IP-50.				
1.1	<u>Main Distribution Board</u> Incoming 01- 400A, T.P., M.C.C.B (250-400 Amp Adjustable) (XS-400CJ) (ESI # 210, P # 31)	1	No.	39,401.00	39,401.00

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03- Providing & Fixing Current Transformer rating 400/5amp (round) RLC-50 as required & as per instruction of EI. (ESI # 274, P # 39)	3	No.	1,851.00	5,553.00
01- Providing & fixing voltmeter size 96/96mm 500volt as required & as per instruction of EI. (ESI # 285, P # 41)	1	No.	999.00	999.00
Outgoing				
02- 30 A, T.P., M.C.C.B (XS-80NS[NB]) (ESI # 205, P # 31)	2	No	5,301.00	10,602.00
02- 20 A, T.P., M.C.C.B (XS-80NS[NB]) (ESI # 205, P # 31)	2	No.	5,301.00	10,602.00
01 - 20 A, T.P., M.C.C.B (XS-100NS) (ESI # 207, P # 31)	1	No.	9,261.00	9,261.00
01 - 30 A, T.P., M.C.C.B (XS-100NS) (ESI # 207, P # 31)	1	No.	9,261.00	9,261.00
05 - 40 A, T.P., M.C.C.B (XS-100NS) (ESI # 207, P # 31)	5	No	9,261.00	46,305.00
02 - 60 A, T.P., M.C.C.B (XS-100NS) (ESI # 207, P # 31)	2	No	9,261.00	18,522.00
01 - 75 A, T.P., M.C.C.B (XS-100NS) (ESI # 207, P # 31)	1	No.	9,261.00	9,261.00
Total of Schedule Items (A)				159,767.00

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 Here by quote 10% premium above/below on the schedule items.

(B)= 15,976-00

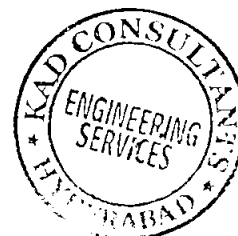
Total Amount of SECTION-5 Schedule Items (A+B) in Rs. 1,43,790-00
 Amount carried over to summary at serial no - 5, Page- no:108

Section No. 6 POWER DISTRIBUTION BOARDS (Non-Scheduled items)

S. No.	Item Description	Qty	Unit	Unit Rate (Rs)	Total Amount (Rs)
1.	Providing, installing, connecting & commissioning of the following Distribution Boards (DBs) fabricated of 14 SWG steel clad, cubical design with hinged door cover, wall (recessed) mounted, factory assembled, suitable for 3 phase, 4 wire, 500 volts, 50 Hz A.C. Power Supply complete with pure copper busbars, copper cable lugs, glands, neutral link, earth block, terminal block etc., & having following configurations. (All equipment rated to 25 kA short circuit rating untill specified other and 50°C ambient temperature at 415V). Panel enclosure to comply with IP-50.				
1.1	Main Distribution Board	1	No	<u>105000</u>	<u>1,05,000-00</u>
	Incoming				
	02 - ON/OFF Indication Lights (Green, Red), 220V, Model 8LP2T ILM, Make Lovato Italy or equivalent, approved by EI.	2	No	<u>500</u>	<u>1,000-00</u>
	01 - Three Phase Digital Multimeter & Electrical Analyzer (C T operated), Make Lovato - Italy (or equivalent, approved by EI)	1	No.	<u>7763</u>	<u>7,763-00</u>
	03 - Phase (R.Y.B) indication lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent, approved by EI.	3	No	<u>500</u>	<u>1,500-00</u>
	03 - Control fuse with base 2/32A Model T-0+ PM-F Make DF (Spain) or equivalent, approved by EI.	3	No	<u>500</u>	<u>1,500-00</u>
Total Amount of SECTION-6 Non-Schedule Items in Rs					<u>1,16,763-00</u>

Amount carried over to summary at serial no - 6, Page- no: 108

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Section No. 7 MAIN FEEDERS & CABLES (Non-Scheduled items)

Sr.	Item Description	Qty.	Unit	Unit Rate (Rs)	Total Amount (Rs)
1.	Providing, laying & connecting of 1x 300 mm ² , 4 Core, PVC/XLPE/PVC from Substation to Main Distribution Board laid in ground in 3" PVC pipe including digging of earth and making of C.C Manholes with covers at required distance for pulling of cables job also involves refilling of Earth and providing cable markers for route of L.T cable as per specifications.	85	Mtr	25000 - 2125000	2125000

Total Amount of SECTION-7 Non-Schedule Items in Rs. 21,25,000/-
 Amount carried over to summary at serial no - 7, Page- no 108

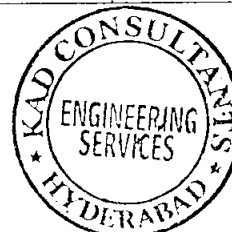
Section No. 8 DISTRIBUTION BOARDS & FEEDERS (Scheduled items)

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Sr.	Item Description	Qty.	Unit	Unit Rate (Rs)	Total Amount (Rs)
1.	Providing, installing, connecting & commissioning of the following Distribution Boards (DBs) fabricated of 14 SWG steel clad, cubical design with hinged door cover, wall (recessed) mounted, factory assembled, suitable for 3 phase, 4 wire, 500 volts, 50 Hz A.C. Power Supply complete with pure copper busbars, copper cable lugs, glands, neutral link, earth block, terminal block etc., & having following configurations. (All equipment rated to 25 kA short circuit rating until specified other and 50°C ambient temperature at 415V). Panel enclosure to comply with IP-22.				
1.1	DB - G1 (GROUND FLOOR)				
	Incoming				
	01 - 30 A, T.P., M.C.C.B (ESI # 205, P # 31)	1	No	5,301.00	5,301.00
	01 - Providing & fixing ammeter size 96/96mm Direct 30A as required & as per instruction of Engineer Incharge (EI) (ESI # 284, P # 41)	1	No.	1,054.00	1,054.00
	01 - Providing & fixing Voltmeter size 96/96mm 500 V as required & as per instruction of Engineer Incharge (EI) (ESI # 285, P # 41)	1	No.	999.00	999.00
	Outgoing				
	18 - 10 A, S.P., M.C.B.s (TB-5S) (ESI # 203, P # 31)	18	No	916.00	16,488.00
1.2	DB - G2 (GROUND FLOOR)				
	Incoming				
	01 - 30 A, T.P., M.C.C.B (ESI # 205, P # 31)	1	No	5,301.00	5,301.00
	01 - Providing & fixing ammeter size 96/96mm Direct 30A as required & as per instruction of Engineer Incharge (EI) (ESI # 284, P # 41)	1	No	1,054.00	1,054.00
	01 - Providing & fixing Voltmeter size 96/96mm 500 V as required & as per instruction of Engineer Incharge (EI) (ESI # 285, P # 41)	1	No	999.00	999.00
	Outgoing				
	16 - 10 A, S.P., M.C.B.s (TB-5S) (ESI # 203, P # 31)	16	No	916.00	14,656.00
	01 - Providing & fixing ammeter size 96/96mm Direct 30A as required & as per instruction of Engineer Incharge (EI) (ESI # 284, P # 41)	1	No.	1,054.00	1,054.00

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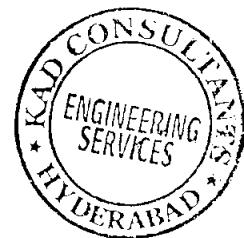
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	01 - Providing & fixing Voltmeter size 96/96mm 500 V as required & as per instruction of Engineer Incharge (EI) (ESI # 285, P # 41)	1	No.	999.00	999.00
1.3	DB - F1 (FIRST FLOOR) Incoming				
	01 - 20 A, T.P., M.C.C.B (ESI # 205, P # 31)	1	No.	5,301.00	5,301.00
	01 - Providing & fixing ammeter size 96/96mm Direct 30A as required & as per instruction of Engineer Incharge (EI) (ESI # 284, P # 41)	1	No.	1,054.00	1,054.00
	01 - Providing & fixing Voltmeter size 96/96mm 500 V as required & as per instruction of Engineer Incharge (EI) (ESI # 285, P # 41)	1	No.	999.00	999.00
	Outgoing				
	12 - 10 A, S.P., M.C.B.s (TB-5S) (ESI # 203, P # 31)	12	No.	916.00	10,992.00
1.4	DB - F2 (FIRST FLOOR) Incoming				
	01 - 20 A, T.P., M.C.C.B (ESI # 205, P # 31)	1	No.	5,301.00	5,301.00
	01 - Providing & fixing ammeter size 96/96mm Direct 30A as required & as per instruction of Engineer Incharge (EI) (ESI # 284, P # 41)	1	No.	1,054.00	1,054.00
	01 - Providing & fixing Voltmeter size 96/96mm 500 V as required & as per instruction of Engineer Incharge (EI) (ESI # 285, P # 41)	1	No.	999.00	999.00
	Outgoing				
	02 - 15 A, S.P., M.C.B.s (TB-5S) (ESI # 203, P # 31)	2	No.	916.00	1,832.00
	09 - 10 A, S.P., M.C.B.s (TB-5S) (ESI # 203, P # 31)	9	No.	916.00	8,244.00
1.5	PDB - G1 (GROUND FLOOR) Incoming				
	01 - 40 A, T.P., M.C.C.B (XS-100NS) (ESI # 207, P # 31)	1	No.	9,261.00	9,261.00
	01 - Providing & fixing ammeter size 96/96mm Direct 30A as required & as per instruction of Engineer Incharge (EI) (ESI # 284, P # 41)	1	No.	1,054.00	1,054.00
	01 - Providing & fixing Voltmeter size 96/96mm 500 V as required & as per instruction of Engineer Incharge (EI) (ESI # 285, P # 41)	1	No.	999.00	999.00
	Outgoing				
	18 - 20 A, S.P., M.C.B.s (TB-5S) (ESI # 203, P # 31)	18	No.	916.00	16,488.00
1.6	PDB - G2 (GROUND FLOOR) Incoming				
	01 - 40 A, T.P., M.C.C.B (XS-100NS) (ESI # 207, P # 31)	1	No.	9,261.00	9,261.00
	01 - Providing & fixing ammeter size 96/96mm Direct 30A as required & as per instruction of Engineer Incharge (EI) (ESI # 284, P # 41)	1	No.	1,054.00	1,054.00
	01 - Providing & fixing Voltmeter size 96/96mm 500 V as required & as per instruction of Engineer Incharge (EI) (ESI # 285, P # 41)	1	No.	999.00	999.00



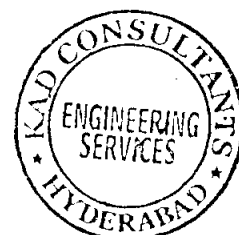
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	Outgoing				
	03 - 15 A, S.P., M.C.B.s (TB-5S) (ESI # 203, P # 31)	3	No.	916.00	2,748.00
	15 - 20 A, S.P., M.C.B.s (TB-5S) (ESI # 203, P # 31)	15	No.	916.00	13,740.00
1.7	PDB - G3 (GROUND FLOOR)				
	Incoming				
	01 - 30 A, T.P., M.C.C.B (XS-100NS) (ESI # 207, P # 31)	1	No.	9,261.00	9,261.00
	01 - Providing & fixing ammeter size 96/96mm Direct 30A as required & as per instruction of Engineer Incharge (EI) (ESI # 284, P # 41)	1	No.	1,054.00	1,054.00
	01 - Providing & fixing Voltmeter size 96/96mm 500 V as required & as per instruction of Engineer Incharge (EI) (ESI # 285, P # 41)	1	No.	999.00	999.00
	Outgoing				
	11 - 15 A, S.P., M.C.B.s (TB-5S) (ESI # 203, P # 31)	11	No.	916.00	10,076.00
	03 - 20 A, S.P., M.C.B.s (TB-5S) (ESI # 203, P # 31)	3	No.	916.00	2,748.00
1.8	PDB - F1 (FIRST FLOOR)				
	Incoming				
	01 - 40 A, T.P., M.C.C.B (XS-100NS) (ESI # 207, P # 31)	1	No.	9,261.00	9,261.00
	01 - Providing & fixing ammeter size 96/96mm Direct 30A as required & as per instruction of Engineer Incharge (EI) (ESI # 284, P # 41)	1	No.	1,054.00	1,054.00
	01 - Providing & fixing Voltmeter size 96/96mm 500 V as required & as per instruction of Engineer Incharge (EI) (ESI # 285, P # 41)	1	No.	999.00	999.00
	Outgoing				
	16 - 20 A, S.P., M.C.B.s (TB-5S) (ESI # 203, P # 31)	16	No.	916.00	14,656.00
1.9	PDB - F2 (FIRST FLOOR)				
	Incoming				
	01 - 40 A, T.P., M.C.C.B (XS-100NS) (ESI # 207, P # 31)	1	No.	9,261.00	9,261.00
	01 - Providing & fixing ammeter size 96/96mm Direct 30A as required & as per instruction of Engineer Incharge (EI) (ESI # 284, P # 41)	1	No.	1,054.00	1,054.00
	01 - Providing & fixing Voltmeter size 96/96mm 500 V as required & as per instruction of Engineer Incharge (EI) (ESI # 285, P # 41)	1	No.	999.00	999.00
	Outgoing				
	03 - 15 A, S.P., M.C.B.s (TB-5S) (ESI # 203, P # 31)	3	No.	916.00	2,748.00
	12 - 20 A, S.P., M.C.B.s (TB-5S) (ESI # 203, P # 31)	12	No.	916.00	10,992.00
1.10	PDB - F3 (FIRST FLOOR)				
	Incoming				
	01 - 20 A, T.P., M.C.C.B (XS-100NS) (ESI # 207, P # 31)	1	No.	9,261.00	9,261.00
	01 - Providing & fixing ammeter size 96/96mm Direct 30A as required & as per instruction of Engineer Incharge (EI) (ESI # 284, P # 41)	1	No.	1,054.00	1,054.00
	01 - Providing & fixing Voltmeter size 96/96mm 500 V as required & as per instruction of Engineer Incharge (EI) (ESI # 285, P # 41)	1	No.	999.00	999.00



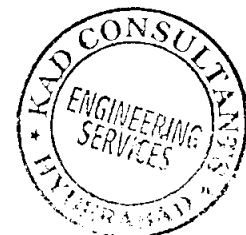
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Outgoing					
	03 - 15 A, S.P., M.C.B.s (TB-5S) (ESI # 203, P # 31)	3	No.	916.00	2,748.00
	02 - 20 A, S.P., M.C.B.s (TB-5S) (ESI # 203, P # 31)	2	No.	916.00	1,832.00
2.	Providing, laying & connecting of PVC/PVC 600/1000V grade copper conductor cable from Main Distribution Board (MDB) to the respective Distribution Boards (DBs), recessed in the RCC or on surface / concealed in wall or column as required, complete in all respect with all fixing and termination accessories and entire satisfaction of Consultant / Owner.				
2.1	DB - G1 Providing & laying PVC insulated with size 4-7/0.044 copper conductor in 1½" dia PVC conduit recessed in wall or column as required. (approx. length) (ESI # 40, P # 6)	9	Mtr.	613.00	5,517.00
2.2	DB - G2 Providing & laying PVC insulated with size 4-7/0.044 copper conductor in 1½" dia PVC conduit recessed in wall or column as required. (approx. length) (ESI # 40, P # 6)	23	Mtr.	613.00	14,099.00
2.3	DB- F1 Providing & laying PVC insulated with size 4-7/0.044 copper conductor in 1½" dia PVC conduit recessed in wall or column as required. (approx. length) (ESI # 40, P # 6)	8	Mtr.	613.00	4,904.00
2.4	DB- F2 Providing & laying PVC insulated with size 4-7/0.044 copper conductor in 1½" dia PVC conduit recessed in wall or column as required. (approx. length) (ESI # 40, P # 6)	23	Mtr.	613.00	14,099.00
2.5	PDB- G1 Providing & laying PVC insulated with size 4-7/0.052 copper conductor in 1½" dia PVC conduit recessed in wall or column as required. (approx. length) (ESI # 41, P # 6)	8	Mtr.	858.00	6,864.00
2.6	PDB- G2 Providing & laying PVC insulated with size 4-7/0.052 copper conductor in 1½" dia PVC conduit recessed in wall or column as required. (approximate length) (ESI # 41, P # 6)	23	Mtr.	858.00	19,734.00
2.7	PDB- G3 Providing & laying PVC insulated with size 4-7/0.044 copper conductor in 1½" dia PVC conduit recessed in wall or column as required. (approximate length) (ESI # 40, P # 6)	23	Mtr.	613.00	14,099.00
2.8	PDB- F1 Providing & laying PVC insulated with size 4-7/0.052 copper conductor in 1½" dia PVC conduit recessed in wall or column as required (approximate length) (ESI # 41, P # 6)	8	Mtr.	858.00	6,864.00
2.9	PDB- F2 Providing & laying PVC insulated with size 4-7/0.052 copper conductor in 1½" dia PVC conduit recessed in wall or column as required. (approximate length) (ESI # 41, P # 6)	22	Mtr.	858.00	18,876.00



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2.10	PDB-F3 Providing & laying PVC insulated with size 4-7/0.044 copper conductor in 1 1/2" dia PVC conduit recessed in wall or column as required. (approximate length) (ESI # 40, P # 6)	22	Mtr.	613.00	13,486.00
Total of Schedule Items (A)					348,883.00

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Here by quote 10% premium ~~above~~ below on the schedule items.

(B) = 348,883.00

Total Amount of SECTION-8 Schedule Items (A+B) in RS. 313,994.00
Amount carried over to summary at serial no - 8, Page- no 108

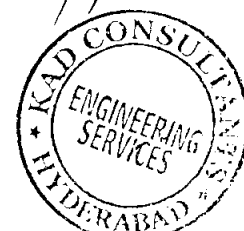
Section No. 9 DISTRIBUTION BOARDS & FEEDERS (Non-Scheduled items)

Sr.	Item Description	Qty.	Unit	Unit Rate (RS)	Total (RS)
1.	Providing, installing, connecting & commissioning of the following Distribution Boards (DBs) fabricated of 14 SWG steel clad, cubical design with hinged door cover, wall (recessed) mounted, factory assembled, suitable for 3 phase, 4 wire, 500 volts, 50 Hz A.C. Power Supply complete with pure copper busbars, copper cable lugs, glands, neutral link, earth block, terminal block etc., & having following configurations. (All equipment rated to 25 kA short circuit rating untill specified other and 50°C ambient temperature at 415V). Panel enclosure to comply with IP-22.				
1.1	DB - G1 (GROUND FLOOR) Incoming	1	No.	2,000	2,000.00
	03 - Phase (R.Y.B) indication lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent as per instruction of EI.	3	No.	200	600.00
	03 - Control fuse with base 2/32A Model T-0+ PM-F Make DF (Spain) or equivalent as per instruction of EI.	3	No.	200	600.00
	01 - Voltmeter selector switch (7 Steps), PK9054E Make K&N (Newzealand)	1	No.	1,000	1,000.00
	01 - Ampere Selector switch 4 step	1	No.	1,000	1,000.00
1.2	DB - G2 (GROUND FLOOR) Incoming	1	No.	2,000	2,000.00
	03 - Phase (R.Y.B) indication lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent	3	No.	200	600.00
	03 - Control fuse with base 2/32A Model T-0+ PM-F Make DF (Spain) or equivalent	3	No.	200	600.00
	01 - Voltmeter selector switch (7 Steps), PK9054E Make K&N (Newzealand)	1	No.	1,000	1,000.00
	01 - Ampere Selector switch 4 step	1	No.	1,000	1,000.00
1.3	DB - F1 (GROUND FLOOR) Incoming	1	No.	2,000	2,000.00
	03 - Phase (R.Y.B) indication lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent	3	No.	200	600.00
	03 - Control fuse with base 2/32A Model T-0+ PM-F Make DF (Spain) or equivalent	3	No.	200	600.00

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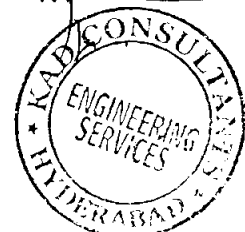
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01 - Voltmeter selector switch (7 Steps), PK9054E Make K&N (Newzealand).	1	No.	1000	1000-00	✓
01 - Ampere Selector switch 4 step	1	No.	1000	1000-00	✓
1.4 DB - F2 (FIRST FLOOR) Incoming	1	No.	20000	20000-00	✓
03 - Phase (R.Y.B) indication lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent (approved by EI).	3	No.	200	600-00	✓
03 - Control fuse with base 2/32A Model T-0+ PM-F Make DF (Spain) or equivalent (approved by EI).	3	No.	200	600-00	✓
01 - Voltmeter selector switch (7 Steps), PK9054E Make K&N (Newzealand) or equivalent (approved by EI).	1	No.	1000	1000-00	✓
01 - Ampere Selector switch 4 step	1	No.	1000	1000-00	✓
1.5 PDB - G1 (GROUND FLOOR) Incoming	1	No.	20000	20000-00	✓
03 - Phase (R.Y.B) indication lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent (approved by EI).	3	No.	200	600-00	✓
03 - Control fuse with base 2/32A Model T-0+ PM-F Make DF (Spain) or equivalent	3	No.	200	600-00	✓
01 - Voltmeter selector switch (7 Steps), PK9054E Make K&N (Newzealand).	1	No.	1000	1000-00	✓
01 - Ampere Selector switch 4 step	1	No.	1000	1000-00	✓
1.6 PDB - G2 (GROUND FLOOR) Incoming	1	No.	20000	20000-00	✓
03 - Phase (R.Y.B) indication lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent	3	No.	200	600-00	✓
03 - Control fuse with base 2/32A Model T-0+ PM-F Make DF (Spain) or equivalent	3	No.	200	600-00	✓
01 - Voltmeter selector switch (7 Steps), PK9054E Make K&N (Newzealand).	1	No.	1000	1000-00	✓
01 - Ampere Selector switch 4 step	1	No.	1000	1000-00	✓
1.7 PDB - G3 (GROUND FLOOR) Incoming	1	No.	20000	20000-00	✓
03 - Phase (R.Y.B) indication lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent	3	No.	200	600-00	✓
03 - Control fuse with base 2/32A Model T-0+ PM-F Make DF (Spain) or equivalent	3	No.	200	600-00	✓
01 - Voltmeter selector switch (7 Steps), PK9054E Make K&N (Newzealand).	1	No.	1000	1000-00	✓
01 - Ampere Selector switch 4 step	1	No.	1000	1000-00	✓
1.8 PDB - F1 (FIRST FLOOR) Incoming	1	No.	20000	20000-00	✓
03 - Phase (R.Y.B) indication lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent	3	No.	200	600-00	✓

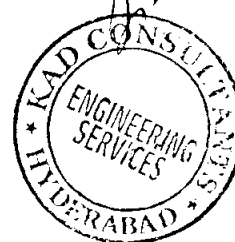
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03 - Control fuse with base 2/32A Model T-0+ PM-F Make DF (Spain) or equivalent	3	No.	200 - 600 - 00	✓
01 - Voltmeter selector switch (7 Steps), PK9054E Make K&N (Newzealand).	1	No.	1000 - 1000 - 00	✓
01 - Ampere Selector switch 4 step	1	No.	1000 - 1000 - 00	✓
1.9 PDB - F2 (FIRST FLOOR) Incoming	1	No.	20,000 - 20,000 - 00	✓
03 - Phase (R.Y.B) indication lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent	3	No.	200 - 600 - 00	✓
03 - Control fuse with base 2/32A Model T-0+ PM-F Make DF (Spain) or equivalent	3	No.	200 - 600 - 00	✓
01 - Voltmeter selector switch (7 Steps), PK9054E Make K&N (Newzealand).	1	No.	1000 - 1000 - 00	✓
01 - Ampere Selector switch 4 step	1	No.	1000 - 1000 - 00	✓
1.10 PDB - F3 (FIRST FLOOR) Incoming	1	No.	20,000 - 20,000 - 00	✓
03 - Phase (R.Y.B) indication lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent	3	No.	200 - 600 - 00	✓
03 - Control fuse with base 2/32A Model T-0+ PM-F Make DF (Spain) or equivalent	3	No.	200 - 600 - 00	✓
01 - Voltmeter selector switch (7 Steps), PK9054E Make K&N (Newzealand).	1	No.	1000 - 1000 - 00	✓
01 - Ampere Selector switch 4 step	1	No.	1000 - 1000 - 00	✓
2. Providing, laying & connecting of hard drawn copper wire from Main Distribution Boards (MDB) to the Distribution Board (DBs) in PVC conduit of detail below recessed in the RCC or on surface / concealed in wall or column as required, complete in all respect and entire satisfaction of Consultant / Dwner.				
2.1 DB - G1 Providing & Laying of hard drawn copper wire 4mm ² as ECC with wiring of DB-G1 in 1½" dia rigid PVC conduit recessed in wall or column as required from MDB	9	Mtr.	50 - 450 - 00	✓
2.2 DB - G2 Providing & Laying of hard drawn copper wire 4mm ² as ECC with wiring of DB-G2 in 1½" dia rigid PVC conduit recessed in wall or column as required from MDB.	23	Mtr.	50 - 1150 - 00	✓
2.3 DB - F1 Providing & Laying of hard drawn copper wire 4mm ² as ECC with wiring of DB-F1 in 1½" dia rigid PVC conduit recessed in wall or column as required from MDB.	8	Mtr.	50 - 400 - 00	✓
2.4 DB - F2 Providing & Laying of hard drawn copper wire 4mm ² as ECC with wiring of DB-F2 in 1½" dia rigid PVC conduit recessed in wall or column as required from MDB.	23	Mtr.	50 - 1150 - 00	✓ 235150

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2.5	PDB-G1 Providing & Laying of hard drawn copper wire 6mm ² as ECC with wiring of PDB-G1 in 1½" dia rigid PVC conduit recessed in wall or column as required from MDB.	8	Mtr.	50-	400-00	~//
2.6	PDB-G2 Providing & Laying of hard drawn copper wire 6mm ² as ECC with wiring of PDB-G2 in 1½" dia rigid PVC conduit recessed in wall or column as required from MDB.	23	Mtr.	50-	1150-00	~//
2.7	PDB-G3 Providing & Laying of hard drawn copper wire 4mm ² as ECC with wiring of PDB-G3 in 1½" dia rigid PVC conduit recessed in wall or column as required from MDB.	23	Mtr.	50-	1150-00	~//
2.8	PDB-F1 Providing & Laying of hard drawn copper wire 6mm ² as ECC with wiring of PDB-F1 in 1½" dia rigid PVC conduit recessed in wall or column as required from MDB.	8	Mtr.	50-	400-00	~//
2.9	PDB-F2 Providing & Laying of hard drawn copper wire 6mm ² as ECC with wiring of PDB-F2 in 1½" dia rigid PVC conduit recessed in wall or column as required from MDB.	22	Mtr.	50-	1100-00	~//
2.10	PDB-F3 Providing & Laying of hard drawn copper wire 4mm ² as ECC with wiring of PDB-F3 in 1½" dia rigid PVC conduit recessed in wall or column as required from MDB.	22	Mtr.	50-	1100-00	~//

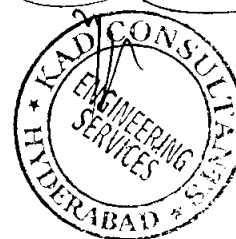
Total Amount of SECTION-9 Non-Schedule Items in Rs. 290450-00
Amount carried over to summary at serial no - 9, Page no 108

Section No. 10 EARTHING (Non-Scheduled items)

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S. No.	Item Description	QTY	Unit	Unit Rate (Rs)	Total Amount (Rs)	Spec. Contn. / Misc. / Misc. / Misc.
1.	Providing, making and testing of earth points with 2' x 2' x 1/8" thick copper plate buried 5 meter deep or to the depth of permanent water level whichever is less covered with charcoal and lime in specified ratio confirming to specification and drawing	1	Job	25,000	25,000-00	~//
2.	Providing, drawing, connecting & testing of 1 - 70 mm ² bare copper conductor as earthing leads in 32mm dia G.I. pipe buried in ground or connected in R.C.C. or masonry as required from Panel Board to the earth plate including making of 18" x 18" cement concrete chamber duly plastered and covered with R.C.C. Slab, including providing & fixing of plug for watering, complete with all accessories and fasteners and as per drawing & specifications	1	Job	11,000	11,000-00	~//
3.	Providing, fixing and connecting of 200 x 200 x 5 mm thick copper earth terminal blocks.	1	Job	1,500	1,500-00	~//
4.	Providing and Laying of PVC copper wire 1.5 mm ² as Earth Continuity Conductor (ECC) with every 7/0.029 cable for general wiring, including metallic electrical accessories. (Approx. Length)	248	Mtr.	150	37,200-00	~//
5.	Providing and Laying of PVC copper wire 2.5 mm ² as Earth Continuity Conductor (ECC) with every 7/0.036 cable for general Power. (Approx. Length)	214	Mtr.	150	32,100-00	~//

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6.	Providing and Laying of PVC copper wire 4 mm ² as Earth Continuity Conductor (ECC) with every 7/0.044 cable for general wiring, including metallic electrical accessories. (Approx. Length)	1,980	Mtr.	50 - 99,000-00	
Total Amount of SECTION-10 Non-Schedule Items in Rs.				20,5800-00	
Amount carried over to summary at serial no - 10, Page- no 108					

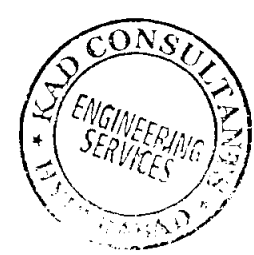
Section No. 11 VOICE SYSTEM (Non-Scheduled items)

S.	Item Description	Qty	Unit	Unit Rate (Rs)	Amount (Rs)
1.	Providing installing and connection of Voice Face Plate with back box recessed on wall complete with all accessories. (Amount of Voice Face Plate has been covered with Multi-Outlet Boxes in the Computer Networking Section "A(b)", S # 9)	-	-	-	-
2.	Providing & Installation of Schneider Actass: 4-Pair CAT-6 UTP cable in 25 mm dia, rigid PVC conduit concealed in R.C.C or masonry as required from Switch Panel to the Multi-Outlet Boxes, including termination of CAT-6 cable, complete in all respects.	195	Mtr.	115 -	22,425-00
3.	Providing Schneider Actass: Katt-RJ45 Voice Patch Cord (3 Meter each)	8	No	460 -	3,680-00
4.	Providing & Installing Telephone Junction Box 50 Pair with Krone Strips with Tag Blocks	1	No.	23500 -	23,500-00
Total Amount of SECTION-11 Non-Schedule Items in Rs.				49,605-00	
Amount carried over to summary at serial no - 11, Page- no 108					

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Section No 12 EXTERNAL ELECTRIFICATION (Schedule Items)

S. No.	Item Description	QTY	Unit	Unit Rate (Rs)	Total Amount (Rs)
1.	Providing, installing and connecting of 30 Amps, S.P, 240 volts, MCB as ON/OFF switch for Water Pump Motors on 18 SWG sheet steel surface mounted box. (ESI # 203, P # 31)	2	No.	916.00	1,832.00
2.	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 2-7/0.044" copper conductor in 1/2" dia PVC conduit recessed in wall or column as required for 2 HP Water Pump Motor (ESI # 12, P # 2)	99	Mtr.	341.00	33,759.00
Total of Schedule Items (A)					35,591.00

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Here by quote 10% premium above below on the schedule items.

(B) = 3559-00

Total Amount of SECTION-12 Schedule Items (A+B) in Rs. 32,031-00
 Amount carried over to summary at serial no - 12, Page- no:108

Section No. 13 EXTERNAL ELECTRIFICATION (Non-Schedule Items)

S. No.	Item Description	QTY	Unit	Unit Rate (Rs)	Total Amount (Rs)
1.	Providing and Fixing 2 HP, Single Phase, Mono Block Centrifugal Pump Motor 220V, 50 Hz or equivalent approved by EI.	2	No.	<u>2000</u>	<u>4000-00</u>
2.	Providing and installing 18 SWG sheet steel surface mounted box, anti-rust treated and painted, complete with ON/OFF indication lamps and all other accessories required.	2	No.	<u>1500</u>	<u>3000-00</u>
3.	Providing & laying of 4 mm ² Copper Conductor as ECC with wiring of Motors in 1/2" dia PVC conduit recessed in wall or column as required, Complete in all respects.	99	Mtr.	<u>65</u>	<u>6435-00</u>
Total Amount of SECTION-13 Non-Schedule Items in Rs.					<u>9935-00</u>

Amount carried over to summary at serial no - 13, Page- no:108

Section No. 14 EXTERNAL ELECTRIFICATION (Schedule Items)

S. No.	Item Description	QTY	Unit	Unit Rate (Rs)	Total Amount (Rs)
1.	Providing and Laying for light or fan point with 2-3/0.029 PVC insulated copper wire in 20mm (3/4") PVC conduit recessed in wall or column as required. (ESI # 124, Page # 15)	78	P. Point	1,130.00	88,140.00
2.	Providing and Laying for plug point with 2-3/0.029 PVC insulated copper wire in 20mm (3/4") PVC conduit recessed in the wall or column as required. (ESI # 126, P # 15)	8	P. Point	985.00	7,880.00
3.	Providing and Laying (for main or sub-main) with 2-2.5mm ² (7/0.029) S/C, PVC insulated copper wire in 20mm (3/4") PVC conduit recessed in the wall or as required. (Lighting Circuit to DB) (ESI # 10, P # 2) (Approx length)	95	Mtr.	222.00	21,090.00
4.	Providing & fixing of one way, S.P., 5A, flush type switch (ESI # 219, P # 33)	84	No	54.00	4,536.00
5.	Providing & fixing two pin 5 amp plug & socket. (ESI # 222, P # 33)	8	No.	80.00	640.00
Total of Schedule Items (A)					122,286.00

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Here by quote 10% premium above below on the schedule items.

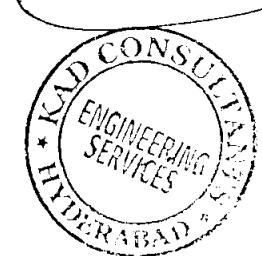
(B) = 12228-00

Total Amount of SECTION-14 Schedule Items (A+B) in Rs. 110,057-00

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Amount carried over to summary at serial no - 14, Page- no 108

Section No. 15 EXTERNAL ELECTRIFICATION (Non-Schedule Items)

S.No.	Item Description	Qty	Unit	Unit Rate (Rs)	Total Amount (Rs)
1.	Providing and fixing of Plastic board, recessed in the wall or columns and covered with socket sheet to house plug-socket switch or regulator etc. a) Size 145x80x56 mm (LxWxD)	10	No	250-	2500-00
Total Amount of SECTION-15 Non-Schedule Items in Rs.					2500-00

Amount carried over to summary at serial no - 15, Page- no 108

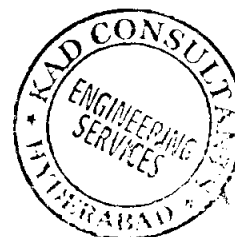
Section No. 16 LIGHT FITTINGS & FIXTURES (Non- Schedule Items)

S.No.	Item Description	Qty	Unit	Unit Rate (Rs)	Total Amount (Rs)
1.	Providing, installing, fixing and connecting of following light fixtures with lamps, chokes, starters, capacitors etc., complete with all internal connections and all fixing and mounting accessories. Jobs includes concrete foundation for Landscape Lighting and Providing and Laying as given in drawing.				
1.1	Phillips make or equivalent Wall- Bracket FCW-098 Mini Vandalite with 24W CFL lamp (warm white). Complete in all respects with accessories	52	No	4000-	208000-00
1.2	Philips LED Bollard II Type: BCP151 (0.8m version) Land scape lighting Fixture with 8W LED Lamps (Neutral white 4000K). Complete in all respects. Aluminium body as per international specs. equivalent.	22	No	7000-	154000-00
1.3	Philips make or equivalent Flood Light Tango3 with BSN.	4	No	5000-	20000-00
Total Amount of SECTION-16 Non-Schedule Items in Rs.					382000-00

Amount carried over to summary at serial no - 16, Page- no 108

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Section No. 17 COMPUTER DATA SYSTEM (Schedule Items)

S. No.	Item Description	Qty	Unit	Unit Rate (Rs)	Total Amount (Rs)
1.	Providing & Laying wiring for mains with 2-7/0.029", S/C, PVC insulated wire in 20 mm (3/4") PVC conduit recessed in the wall or as required. (ESI # 10, P # 2) (Approx. length)	1,517	Mtr.	222.00	336,774.00
Total of Schedule Items (A)					336,774.00

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(B) = 33677-00

Total Amount of SECTION-17 Schedule Items (A+B) in Rs. 3,03,096-00
 Amount carried over to summary at serial no - 17, Page- no: 108

Section No. 18 COMPUTER DATA SYSTEM (Non-Schedule Items)

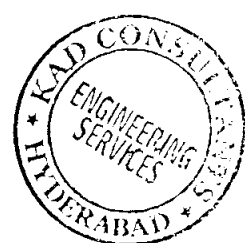
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S. No.	Item Description	Qty	Unit	Unit Rate (Rs)	Total Amount (Rs)
1.	Providing & laying copper 1.5 mm ² Copper Conductor as ECC with wiring of Multi-Outlet Boxes as required. Complete in all respects.	1,517	Mtr	<u>150-</u>	<u>227,550-00</u>
2.	Supply & Installing of 1U, 24 Port, Rack Mount, fiber patch panel, model no DFXOX24RXXX to Connect the Patch Panels to the main Fibre Cable.	1	Mtr.	<u>25,000-</u>	<u>25,000-00</u>
3.	Supply and Installation of Schneider Actassi 24 - Port CAT-6 UTP Patch Panel, model no ACTPP6U24NSS Built in Rear Cable Management, Complete in all respect.	11	No	<u>8864</u>	<u>97,504-00</u>
4.	Supply and Installation of Arkite 15U Communication Rack 600x800 mm with PDU, Complete in all respect.	5	No	<u>6000</u>	<u>30,000-00</u>
5.	Supply & installation of Schneider front cable organizer, model no RJ5ECMPCC.	11	No	<u>2000</u>	<u>22,000-00</u>
6.	Supply and installation of CAT 6 (A/R/T / IBM Campatable) cable, model no ACT4P6UCM3RBBU in already laid PVC conduit from Switch / Patch Panel to the respective Outlet Boxes, including termination of CAT-6 cable, complete in all respect.	7,649	Mtr	<u>65-</u>	<u>497,185-00</u>
7.	Schneider Actassi 4-Pair CAT6 UTP Patch Cord, model no ACTPC6UBCM303U (3 Meter each)	216	No	<u>500-</u>	<u>1,08,000-00</u>
8.	Providing and laying of the following 25 mm dia PVC conduits concealed in wall / ceiling as required from the switch or patch panel to computer outlets. Complete in all respect with all required accessories.	2,550	Mtr	<u>145-</u>	<u>369,750-00</u>
9.	Providing and installing of following Multi-outlet boxes on Floor/Wall/Column of appropriate size for Power for Telephone & Computer Data outlets. a) Multi-Outlet Box "Type-A" b) Multi-Outlet Box "Type-B"	208 8	No No	<u>750-</u> <u>750-</u>	<u>1,56,000-00</u> <u>6,000-00</u>
10.	Providing and fixing of Plastic board to accommodate Multi-Outlet Boxes for power, Voice and Data outlets, recessed in the wall, as required. a) Size 145mm x 83mm x 56mm (LxWxD) b) Size 78mm x 83mm x 56mm (LxWxD)	216 216	No No	<u>50-</u> <u>50-</u>	<u>10,800-00</u> <u>10,800-00</u>
Total Amount of SECTION-18 Non-Schedule Items in Rs.					<u>1,56,589-00</u>

Amount carried over to summary at serial no - 18, Page- no: 108

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Section No. 19 DISTRIBUTION BOARDS (Schedule Items)

S. No.	Item Description	QTY	Unit	Unit Rate (Rs.)	Total Amount (Rs.)
1.	Providing, installing, connecting & commissioning of the following Distribution Boards (DBs) fabricated of 14 SWG steel clad, cubical design with hinged door cover, wall (recessed) mounted, factory assembled, suitable for 3 phase, 4 wire, 500 volts, 50 Hz A.C. Power Supply complete with pure copper busbars, copper cable lugs, glands, neutral link, earth block, terminal block etc., & having following configurations. (All equipment rated to 7.5 kA short circuit rating and 50°C ambient temperature at 415V). Panel enclosure to comply with IP-22.				
1.1	PDB - C1 (COMPUTER) Incoming 01 - 40 A, T.P., M.C.C.B (XS-100NS) (Sr: 207 P-31)	1	No.	9,261.00	9,261.00
	Outgoing 15 - 10 A, S.P., M.C.B.s (Sr-203 P-31)	15	No.	916.00	13,740.00
	01- Providing & fixing ammeter size 96/96mm Direct 40A as required & as per instruction of Engineer incharge (EI) (ESI # 284, P# 41)	1	No.	1054.00	1,054.00
	01- Providing & fixing Voltmeter size 96/96mm 500 V as required & as per instruction of Engineer incharge (EI) (ESI # 285, P# 41)	1	No.	999.00	999.00
1.1	PDB - C2 (COMPUTER) Incoming 01 - 60 A, T.P., M.C.C.B (XS-100NS) (Sr: # 207, P # 31)	1	No.	9,261.00	9,261.00
	Outgoing 22 - 10 A, S.P., M.C.B.s (ESI # 203, P # 31)	22	No.	916.00	20,152.00
	01- Providing & fixing ammeter size 96/96mm Direct 60A as required & as per instruction of Engineer incharge (EI) (ESI # 284, P# 41)	1	No.	1054.00	1,054.00
	01- Providing & fixing Voltmeter size 96/96mm 500 V as required & as per instruction of Engineer incharge (EI) (ESI # 285, P# 41)	1	No.	999.00	999.00
2.	Providing, laying & connecting of PVC/PVC 600/1000V grade copper conductor cable from Main Distribution Board (MDR) to the respective Distribution Boards (DBs), recessed in the RCC or on surface / concealed in wall or column as required, complete in all respect with all fixing and termination accessories and entire satisfaction of Consultant / Owner.				
2.1	PDB-C1 (COMPUTER) Providing & laying PVC insulated with size 4-7/0.052 copper conductor in 1½" dia PVC conduit recessed in wall or column as required. (Approx. Length) (ESI # 41, P # 6)	10	Mtr.	858.00	8,580.00
2.3	PDB-C2 (COMPUTER) Providing & laying PVC insulated with size 4-7/0.064 copper conductor in 1½" dia PVC conduit recessed in wall or column as required. (Approx. Length) (ESI # 42, P # 6)	10	Mtr.	1213.00	12,130.00
Total of Schedule Items (A)					77,230.00

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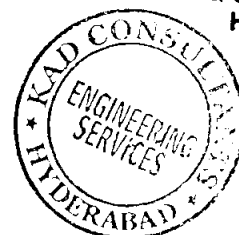
Total Amount of SECTION-19 Schedule Items (A+B) in Rs.

Amount carried over to summary at serial no - 19, Page- no.108

(B) 7723-00

69507-00

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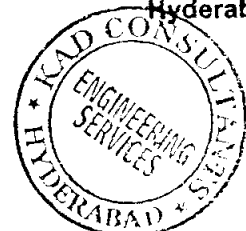
Section No. 20 DISTRIBUTION BOARDS (Non-Schedule Items)

Sl. No.	Item Description	Qty	Unit	Unit Rate (Rs)	Total Amount (RS)
1.	Providing, installing, connecting & commissioning of the following Distribution Boards (DBs) fabricated of 14 SWG steel clad, cubical design with hinged door cover, wall (recessed) mounted, factory assembled, suitable for 3 phase, 4 wire, 500 volts, 50 Hz A.C. Power Supply complete with pure copper busbars copper cable lugs, glands, neutral link, earth block, terminal block etc., & having following configurations. (All equipment rated to 7.5 kA short circuit rating and 50°C ambient temperature at 415V). Panel enclosure to comply with IP-22.				
1.1	PDB - C1 (CDMPUTER) Incoming	1	No.	15,000	15,000-00
	03 - Phase (R.Y.B) indication lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent (approved by EI).	3	No.	200	600-00
	03 - Control fuse with base 2/32A Model T-0+ PM-F Make DF (Spain) or equivalent (approved by EI).	3	No.	200	600-00
	01 - Voltmeter selector switch (7 Steps), PK9054E Make K&N (Newzealand) or equivalent (approved by EI)	1	No.	1000	1000-00
	01 - Ammeter Selector switch 4 step	1	No.	1000	1000-00
1.1	PDB - C2 (COMPUTER) (Cost of PDB-1) Incoming	1	No.	15,000	15,000-00
	03 - Phase (R.Y.B) indicat on lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent (approved by EI).	3	No.	200	600-00
	03 - Control fuse with base 2/32A Model T-0+ PM-F Make DF (Spain) or equivalent (approved by EI).	3	No.	200	600-00
	01 - Voltmeter selector switch (7 Steps), PK9054E Make K&N (Newzealand) or equivalent (approved by EI).	1	No.	1000	1000-00
	01 - Ammeter Selector switch 4 step	1	No.	1000	1000-00
2.	Providing, laying & connecting of copper wire from Main Distribution Boards(MDB) to the Distribution Board (DBs) in PVC conduite of detail below recessed in the RCC or on surface / concealed in wall or column as required, complete in all respect and entire satisfaction of Consultant / Owner				
2.1	DB-C1 (Computer) Providing & Laying of hard drawn bare copper wire 6 mm ² as ECC with wiring in 1 1/2" dia rigid PVC conduit in ground/floor/wall as required from MDB	10	Mtr.	50	500-00
2.2	DB-C2 (Computer) Providing & Laying of hard drawn bare copper wire 10 mm ² as ECC with wiring in 1 1/2" dia rigid PVC conduit in ground/floor/wall as required from MDB.	10	Mtr.	50	500-00
3.	Providing & Laying of 75 mm (3") dia PVC Conduit in Ground Before Final Flooring for Computer Data & Voice System Cable Incoming From Main Communication System of MUEF to the Fibre Patch Panel and TJB respectively.	234	Mtr.	100	23400-00
Total Amount of SECTION-20 Non-Schedule Items in RS.					60800-00

Amount carried over to summary at serial no - 20, Page no 108

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Section No 21 SUPPLY & INSTALLATION OF A/C UNITS (Non-Schedule Items)

Sr	Item Description	Qty	Unit	Unit Rate (Rs)	Total Amount (Rs)
1.	Supply and installation of Owner specified Air-cooled Split Type, Wall Mounted Air conditioning units, designed on High Ambient Temperature of 46° complete with controls and accessories and foundations for outdoor units. Complete with Refrigerant piping, valves, fittings, Refrigerant charge and oil charge.				
	a) Capacity 1.0 T.R	1	No	50000	50000-00
	b) Capacity 1.5 T.R	3	No	60000	180000-00
	c) Capacity 2.0 T.R	6	No	70000	420000-00
2.	UPVC piping class D for equipment drain system complete with fittings, Specialties & Accessories for units of item # 1.	11	No	5000	55000-00
3.	4 oz, weight coarse and 8 oz canvas cloth for pipe installation jacketing	11	No	5000	55000-00
4.	Fornatted plastic pipe insulation for refrigerant piping complete with accessories	11	No	5000	55000-00
Total Amount of SECTION-21 Non-Schedule Items in Re.					827000-00

Amount carried over to summary at serial no - 21, Page no: 108

Section No 22 WIRING FOR A/C UNITS (Schedule Items)

Sr	Item Description	Qty	Unit	Unit Rate (Rs)	Total Amount (Rs)
1.	Wiring for mains with 2-7/0.044, S/C, PVC insulated cable in 20mm (3/4") dia PVC conduit recessed in the wall or as required. (ESI # 12, P # 2) (Approx. Length)	320	Mtr	341.00	109,120.00
2.	Providing and fixing of S.P. MCBs as ON/OFF switch for A/C of following ratings:				
	a) 20A, S.P. M.C.B. (ESI # 203, P # 31)	6	No	916.00	5,496.00
	b) 15A, S.P. M.C.B. (ESI # 203, P # 31)	3	No	916.00	2,748.00
	c) 10A, S.P. M.C.B. (ESI # 203, P # 31)	2	No	916.00	1,832.00
Total of Schedule Items (A)					119,196.00

I the Contractor M/s GUL TRADERS HYD

Here by quote 10% premium above/below on the schedule items.

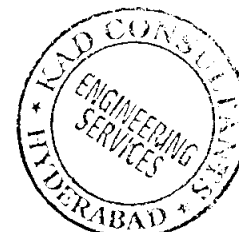
Total Amount of SECTION-22 Schedule Items (A-E) in Rs. 107276-00
Amount carried over to summary at serial no - 22, Page no: 108

Section No 23 WIRING FOR A/C UNITS (Non-Schedule Items)

Sr	Item Description	Qty	Unit	Unit Rate (Rs)	Total Amount (Rs)
1.	Providing & Laying of PVC insulated copper wire 4 mm ² as ECC with wiring of A/C Units in 25 mm dia rigid PVC conduit in ground / floor as required from Main Distribution Board	320	Mtr	150	48000-00
2.	Providing and fixing of Plastic Board recessed in the wall or columns as required and covered with plastic sheet to house MCB's used for A/C as a switch of following size.				
	a) Size 78 mm x 83 mm x 50 mm (LxWxD)	53	No	50	2650-00
Total Amount of SECTION-23 Non-Schedule Items in Re.					50650-00

Amount carried over to summary at serial no - 23, Page no: 108

M/S GUL TRADERS
Govt: Civil & Elec: Contr.
Hyderabad.



Section No. 24 DISTRIBUTION BDARDS & FEEDERS (Schedule Items)

S.No.	Item Description	Qty	Unit	Unit Rate (Rs)	Total Amount (Rs)
1.	Providing, installing, connecting & commissioning of the following Distribution Boards (DBs) fabricated of 14 SWG steel clad, cubical design with hinged door cover, wall (recessed) mounted, factory assembled, suitable for 3 phase, 4 wire, 500 volts, 50 Hz A.C. Power Supply complete with pure copper busbars, copper cable lugs, glands, neutral link, earth block, terminal block etc., & having following configurations. (All equipment rated to 5 kA short circuit rating and 50°C ambient temperature at 415V). Panel enclosure to comply with IP-50.				
1.1	DB-AC-G1 (GROUND FLOOR) Incoming 01 - 40 A, T.P., M.C.C.B (Sr#207 P-31)	1	No.	9,261.00	9,261.00
	01 - Providing & fixing ammeter size 96/96mm Direct 30A as required & as per instruction of Engineer (charge) (EI) (ESI # 284, P# 41)	1	No.	1,054.00	1,054.00
	02 - Providing & fixing Voltmeter size 96/96mm 500 V as required & as per instruction of Engineer (charge) (EI) (ESI # 285, P# 41)	1	No.	999.00	999.00
	Outgoing 04 - 15 A, S.P., M.C.B (ESI # 203, P # 31) 01 - 10 A, S.P., M.C.B (Sr # 203 P # 31)	4 1	No. No.	916.00 916.00	3,664.00 916.00
1.2	DB-AC-F1 (FIRST FLOOR) Incoming 01 - 60 A, T.P., M.C.C.B (ESI # 207, P # 31)	1	No.	9,261.00	9,261.00
	01 - Providing & fixing ammeter size 96/96mm Direct 30A as required & as per instruction of Engineer (charge) (EI) (ESI # 284, P# 41)	1	No.	1,054.00	1,054.00
	01 - Providing & fixing Voltmeter size 96/96mm 500 V as required & as per instruction of Engineer (charge) (EI) (ESI # 285, P# 41)	1	No.	999.00	999.00
	Outgoing 06 - 20 A, S.P., M.C.B.s (Sr#203 P-31)	6	No.	916.00	5,496.00
2.	Providing, laying & connecting of PVC/PVC 600/1000V grade copper conductor cable from Main Distribution Board (MDB) to the respective Distribution Boards (DBs), recessed in the RCC or on surface / concealed in wall or column as required, complete in all respect with all fixing and termination accessories and entire satisfaction of Consultant / Owner.				
2.1	DB-AC G1 Providing & laying PVC insulated with size 4-7/0.052 copper conductor in 1 1/2" dia PVC conduit recessed in wall or column as required (approximate length) (ESI # 41, P # 6)	19	Mtr.	858.00	16,302.00
2.2	DB-AC F1 Providing & laying PVC insulated with size 4-7/0.064 copper conductor in 1 1/2" dia PVC conduit recessed in wall or column as required (approximate length) (ESI # 42, P # 6)	17	Mtr.	1,213.00	20,621.00
				Total of Schedule Items (A)	69,627.00

I the Contractor M/s Ecol. Traders Hyd

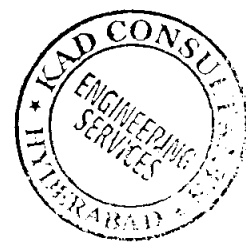
Here by quote 10% premium above/below on the schedule items.

(B) = 69,627.00
62,664.00

Total Amount of SECTION-24 Schedule Items (A+B) in Rs. 62,664.00
Amount carried over to summary at serial no - 24, Page- no 108

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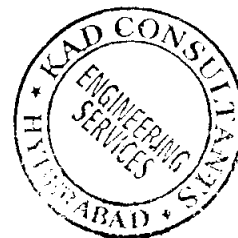
M/S ECOL TRADERS
Govt. Civil & Elec. Contr.
Hyderabad.



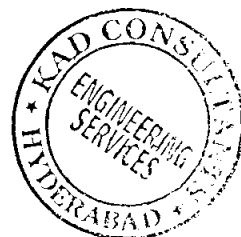
Section No. 25 DISTRIBUTION BOARDS & FEEDERS (Non-Schedule Items)

Sl. No.	Item Description	Qty	Unit	Unit Rate (RS)	Total Amount (RS)
1.	Providing, installing, connecting & commissioning of the following Distribution Boards (DBs) fabricated of 14 SWG steel clad, cubical design with hinged door cover, wall (recessed) mounted, factory assembled, suitable for 3 phase, 4 wire, 500 volts, 50 Hz A.C. Power Supply complete with pure copper busbars, copper cable lugs, glands, neutral link, earth block, terminal block etc., & having following configurations. (All equipment rated to 5 kA short circuit rating and 50°C ambient temperature at 415V). Panel enclosure to comply with IP-50.				
1.1	DB-A/C-G1 (GROUND FLOOR) (Cost of DB A/C-G1) Incoming	1	No	15000	15000-00
	03 - Phase (R.Y.B) indication lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent.	3	No.	200	600-00
	03 - Control fuse with base 2/32A Model T-0+ PM-F Make DF (Spain) or equivalent	3	No	200	600-00
	01 - Voltmeter selector switch (7 Steps), PK9054E Make K&N (Newzealand)	1	No	1000	1000-00
	01 - Ampere Selector switch 4 step	1	No.	1000	1000-00
1.2	DB-A/C-F1 (FIRST FLOOR) (Cost of DB A/C-F1) Incoming	1	No.	15000	15000-00
	03 - Phase (R.Y.B) indication lamps 220V Model 8LP2T1LM, Make Lovato (Italy) or equivalent (approved by EI).	3	No.	200	600-00
	03 - Control fuse with base 2/32A Model T-0+ PM-F Make DF (Spain) or equivalent (approved by EI)	3	No.	200	600-00
	01 - Voltmeter selector switch (7 Steps), PK9054E Make K&N (Newzealand)	1	No.	1000	1000-00
	01 - Ampere Selector switch 4 step	1	No	1000	1000-00
2	Providing, laying & connecting of hard drawn copper wire from Main Distribution Boards(MDB) to the Distribution Board (DBs) in PVC conduit of detail below recessed in the RCC or on surface / concealed in wall or column, as required, complete in all respect and entire satisfaction of Consultant / Owner.				
2.1	DB-A/C G1 Providing & Laying of hard drawn copper wire 6 mm ² as ECC with wiring in 1½" dia rigid PVC conduit in ground/floor/wall as required from MDB	19	Mtr.	50	950-00
2.2	DB-A/C F1 Providing & Laying of hard drawn copper wire 10 mm ² as ECC with wiring in 1½" dia rigid PVC conduit in ground/floor/wall as required from MDB	17	Mtr	50	850-00
Total Amount of SECTION-25 Non-Schedule Items in Rs.					38000-00
Amount carried over to summary at serial no - 25, Page- No 108					

M/S OUL READERS
Govt. Civil & Elec. Contr.
Hyderabad.



TENDER DRAWINGS
(NOT VALID FOR CONSTRUCTION)



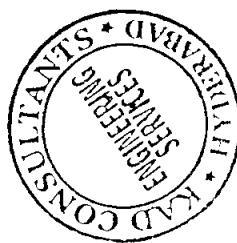
GIRLS HOSTEL NO.03
MEHRAN UNIVERSITY OF ENGINEERING AND
TECHNOLOGY JAMSHORO
(ELECTRICAL TENDER DRAWINGS)

15
NAQVI AND SIDDIQUIE
INC. ARCHITECTS & ENGINEERS
BLOCK NO: 18 FIRST FLOOR
MARKAZ F-6
ISLAMABAD
TEL: 2876769-2270268

~~THIS DRAWING IS THE PROPERTY OF KAD CONSULTANTS HYDERABAD
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KAD CONSULTANTS HYDERABAD
F-1, ZAIB RESIDENCY, HUSSAIN HOUSING
SCHEME, NEAR SUMMIT BANK, WADHU WAH,
QASIMABAD (PHASE-1), HYDERABAD, SINDH
PAKISTAN.
TEL: +92 22 2652274, FAX: +92 22 2652275,
CELL: +92 334 9377556.
E-MAIL: kad.consultants@hotmail.com





MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY,
JAMSHORO, SINDH, PAKISTAN.

Tel: Off: +92-222-771212, Fax: +92-222-771403



No. XEN(Works)/MUET/JAM/2014/-40.
Dated: 17-04-2014

M/s Shams Builders & Developers,
Contractor, Hyderabad.

WORK ORDER

Subject: ESTABLISHMENT OF INNOVATION & ENTREPRENEURSHIP CENTRE (IEC) – AN EXTENSION OF MEHRAN UNIVERSITY INSTITUTE OF SCIENCE, TECHNOLOGY AND DEVELOPMENT (MUISTD), JAMSHORO.

Ref: Your item Rate Tender, Dated: 08-04-2014.

Gentleman,

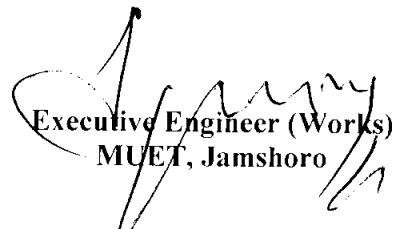
I am pleased to inform you that your item rate tender for execution of the above subjected work consisting the scope attached herewith, at the cost of **Rs.25,254,081.00** has been accepted by the University authorities being lowest in competition.

- ❖ **NO PREMIUM SHALL BE PAID SEPARATELY.**
- ❖ **NO CARTAGE SHALL BE PAID SEPARATELY.**
- ❖ **NO ESCALATION ON ANY MATERIAL SHALL BE PAID SEPARATELY.**

The Mobilization Advance shall be allowed to you at the rate of 10% of the tendered cost on submission of a Mobilization Advance Guarantee for the full amount of the Advance in the specified form from a Scheduled Bank in Pakistan to the Procuring Agency. And the Contractor will pay interest on the mobilization advance at the rate of 10% per annum on the advance.

You are, therefore, directed to please attend the office of the undersigned within Seven (07) days for executing the agreement duly adhesive stamped for completing the other formalities to start the work at site and complete the work within Twenty Four (24) Months; according to drawing, design & specifications under the Supervision of undersigned.

The completion time period shall be reckoned from the actual date of start of the work.


Executive Engineer (Works)
MUET, Jamshoro

Copy f.w.c.s to the:

1. Director (Works & Services), MUET, Jamshoro.
2. Director Finance, MUET, Jamshoro.
3. Director (A&F), Sindh Public Procurement Regulatory Authority (SPPRA), Karachi.
4. Secretary to the Vice Chancellor, MUET, Jamshoro.

**MEHRAN UNIVERSITY OF ENGINEERING AND
TECHNOLOGY, JAMSHORO.**

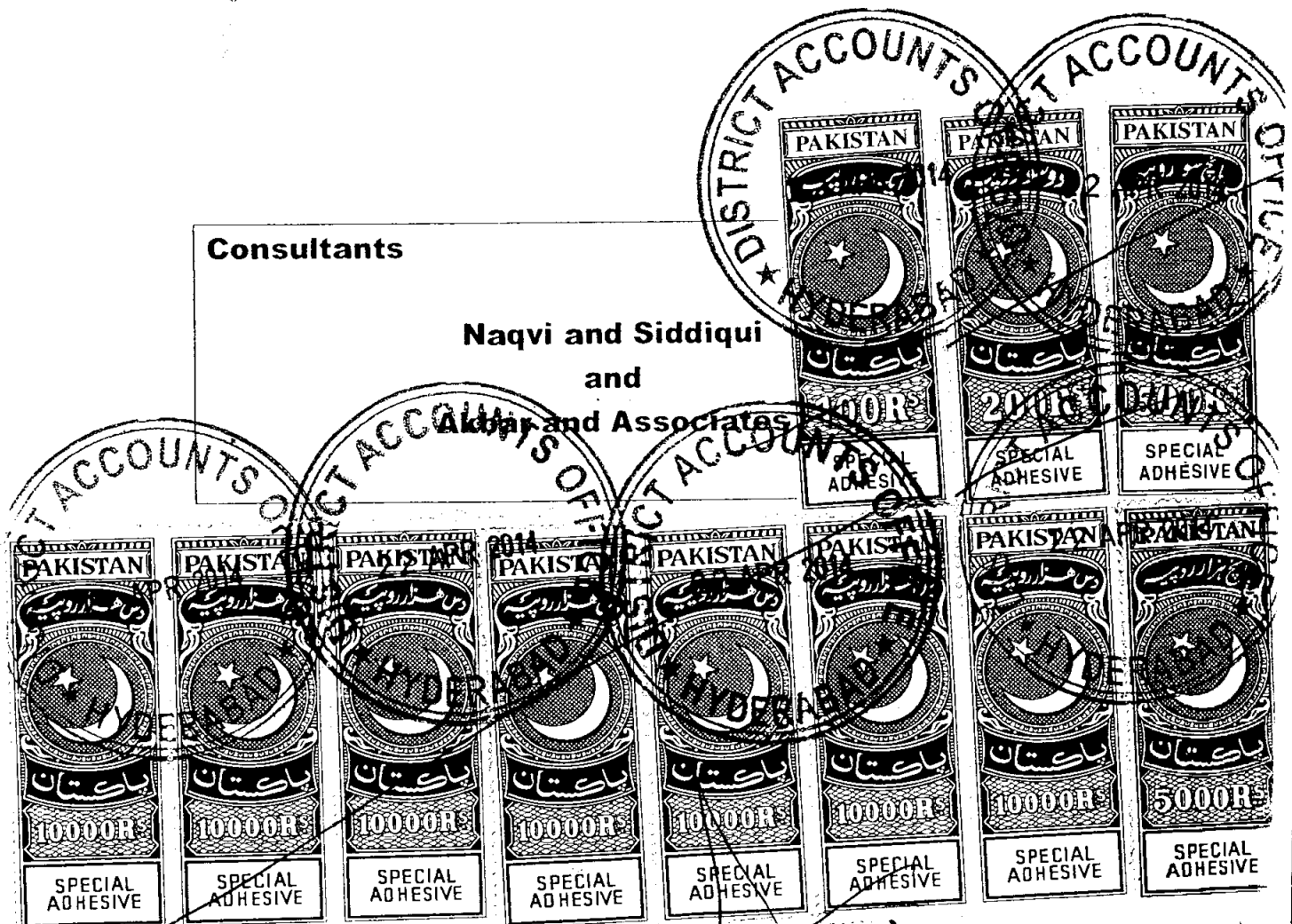
TENDER DOCUMENT

FOR

**ESTABLISHMENT OF INNOVATION &
ENTREPRENEURSHIP CENTRE (IEC) –
AN EXTENSION OF MEHRAN UNIVERSITY
INSTITUTE OF SCIENCE, TECHNOLOGY
AND DEVELOPMENT (MUISTD), JAMSHORO**

Consultants

**Naqvi and Siddiqui
and
Aldar and Associates**



**Assistant Accountant
District Accounts Officer Hyderabad**

BILL OF QUANTITIES
MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY, JAMSHORO

SUMMARY OF COST FOR THE WORK ESTABLISHMENT OF INNOVATION & ENTREPRENEURSHIP CENTRE (IEC) - AN EXTENSION OF MUISTD, JAMSHORO.

S.NO.	DESCRIPTION	AMOUNT
A. SCHEDULE ITEMS		
1.	Schedule Civil Works except Steel and RCC	Rs. 7791695.51/2
2.	Schedule Civil Works Steel	Rs. 5926699.46/2
3.	Schedule Civil Works except RCC	Rs. 5440024.00/2
4.	Non-Schedule Architectural Works	Rs. 4594012/-
	Total-A	Rs. 23752430.96/2
B. SCHEDULE PLUMBING WORKS		
1.	Schedule Plumbing Works SI	Rs. 1006976.84/2
2.	Schedule Plumbing Pipe Works SI	Rs. 289020.32/2
3.	Non-Schedule Plumbing Works NSI	Rs. 116546/2
	Total-B	Rs. 1412543.16/2
C. EXTERNAL DEVELOPMENT		
1.	Drainage Work	Rs. 183005.9/2
2.	External Development SI	Rs. 491078.9/2
3.	External Development Pipe Works SI	Rs. 79936.08/2
	Total-C	Rs. 754020.88/2
D. Special Items		
1.	Special Items (Non-Schedule Items)	Rs. 3945783.4/2
	Total-D	Rs. 3945783.4/2
	Grand Total A+B+C+D	Rs. 29864778.4/2

REBATE ON ALL ITEMS A+B+C+D 15.5% Rs. 4629040.65

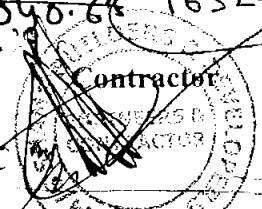
• GRAND TOTAL A+B+C+D •

Rs. 25235737.75

25254081.00

Executive Engineer (Works)

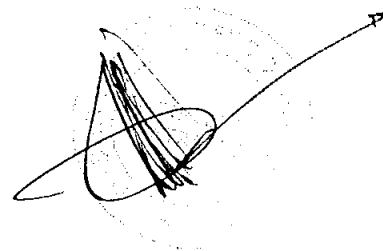
In words: 50
 Two crore fifty two lac thirty five thousand seven hundred thirty seven rupees



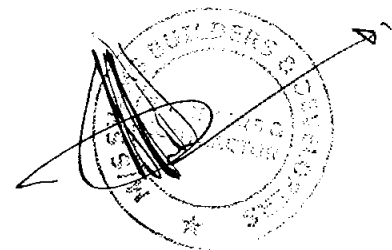
BILL OF QUANTITIES

MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY, JAMSHORO
ESTABLISHMENT OF INNOVATION & ENTREPRENEURSHIP CENTRE
(IEC) - AN EXTENSION OF MUISTD, JAMSHORO.

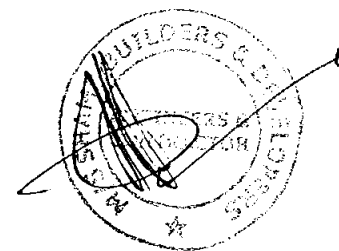
S.#	DISCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
<u>A- SCHEDULE ITEMS</u>					
1. Schedule Civil Works except Steel and RCC:					
01	<u>EXCAVATION FOR FOUNDATION.</u> Excavation in foundation of building bridges and other structures including dagbelling, dressing, refilling around structure with excavated earth watering and ramming lead upto to 5ft.	%0 Cft.	13,270.00	3,176.25	42,148.84
(i)	In ordinary soil.				
02	<u>EARTH FILLING.</u> (i) Filling, watering and ramming earth in floor with surplus earth from foundation lead up to one chain and lift up to 5 ft.	%0 Cft.	5,241.00	1,512.50	7,927.01
03	<u>EARTH FILLING.</u> (i) Filling, watering and ramming earth in floor with surplus earth from foundation lead up to one chain and lift up to 5 ft.	%0 Cft.	1,015.00	3,630.00	3,684.45
04	<u>P.C.C (1:4:8)</u> Cement concrete plain (1:4:8) using sulphate resistant cement type (v) including placing, compacting, fmishing and curing, complete (including screening and washing of stone aggregate without shuttering). Ratio 1:4:8.	%Cft.	2,785.00	11,288.75	314,391.69



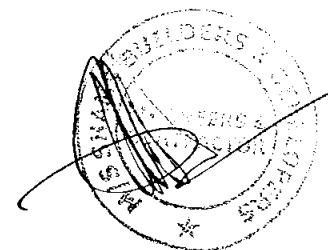
05	<u>P.C.C (1:3:6)</u> Cement concrete plain (1:3:6) using sulphate resistant cement type (v) including placing, compacting, finishing and curing, complete (including screening and washing of stone aggregate without shuttering). Ratio 1:3:6.	%Cft.	839.00	12,595.00	105,672.05
06	<u>CEMENT PLASTER UPTO PLINTH</u> Cement Neru plaster 1:2 using Sulphate resistant cement type (v).	%Sft.	6,142.00	1,438.46	88,350.00
07	<u>BRICK MASONRY IN FOUNDATION & PLINTH</u> Pacca brick work in foundation & plinth in cement sand mortar 1:6 using Sulphate resistant cement type (v).	%Cft.	2,120.00	11,948.36	253,305.23
08	<u>GRADE STONE</u> Dry rammed brick or stone ballast 1-1/2" to 2" gauge.	%Cft.	2,212.00	3,327.50	73,604.30
09	<u>ORNAMENTAL JALLI</u> Providing and fixing Ornamental Cement Jalli 2" thick (1:2:4) without steel.	P.Sft.	250.00	226.02	56,505.00
10	<u>C.I. MANHOLE COVER AND FRAME</u> Providing and fixing C.I. Manhole Cover with frame i/c cost of material.	P.Cwt.	2.00	6,985.00	13,970.00



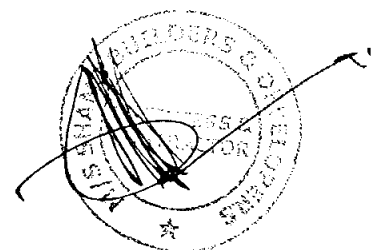
11	<p><u>BRICK MASONRY IN SUPER STRUCTURE (ABOVE PLINTH LEVEL).</u></p> <p>Providing and laying approved first class burnt brick masonry in super structure walls at any height and any floor, laid and jointed with cement and approved source sand machine mixed mortar, masonry to be laid in course true to line, level and plumbing, protected and properly cured including scaffolding and providing deep joints to receive rendering. All work to be complete as per drawings and specifications, including P/F specified anchorage with concrete members and directed by the Engineer.</p> <p>Internal Walls</p> <p>i. Ground Floor (where required)</p> <p>4-1/2" thick and above internal/external walls in (1:4) CSM.</p> <p>9" thick and above internal/external walls in (1:6) CSM.</p> <p>ii) First Floor (where required)</p> <p>4-1/2" thick and above internal/external walls in (1:4) CSM.</p> <p>9" thick and above internal/external walls in (1:6) CSM.</p> <p>iii) Mumty/ roof level/ parapet.</p> <p>9" thick and above internal/external walls in (1:6) CSM.</p> <p>4-1/2" thick and above internal/external walls in (1:4) CSM.</p>				
12	<p><u>GLAZED CERAMIC TILES DADO (MASTER/ EQUIVALENT MAKE)</u></p> <p>Providing and fixing glazed ceramic tiles of size as below of approved make and texture shade in dado set over cement slurry and filling the joints with neat white cement with matching pigments including 3/4" thick base plaster of cement, sand (1:4) with curing and cleaning etc., complete as per drawings, specifications and as directed by the Engineer.</p> <p>Ground Floor + First Floor</p>				



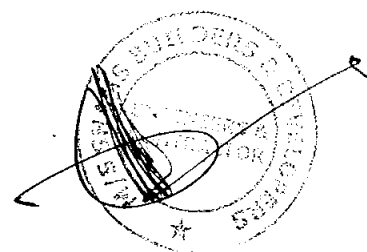
i.	b) 12"x18" any size approved by Engineer.	P.Sft.	2,433.75	282.97	688,678.24
13	NON SKID CERAMIC FLOORING TILE Providing and laying non skid ceramic tiles 12"x12" in floor of approved shade with cement slurry laid in slope towards floor drain and including filling the joints in neat white pigment to match the color of tiles in floors etc. complete as per drawings, specifications and as directed by the Engineer				
i.	Ground Floor + First Floor	P.Sft.	911.35	277.47	252,872.28
14	Plain Cement Sand Wall Plastering, Providing and applying 3/4" thick plaster at any floor or at any height using approved quality sand preferably machine mixed mortar, including all bends, corners, recesses including scaffolding and hacking the concrete surfaces, arching the masonry joints and providing 8" wide GI wire mesh of 17 SWG 1"x1" size fixed with GI staples on masonry joints, concrete joints. All plaster to be finishes smooth with steel float in true to level, line and plumb and properly cured, complete as per drawings, specifications and as directed by the Engineer.				
i.	<u>Ground Floor, Item No. 13 c</u> Internal walls/columns plaster 3/8" thick in 1:6 CSM				
	a) Ground Floor	%Sft.	13,651.25	2,122.72	289,777.81
	b) 1st floor	%Sft.	14,174.00	2,262.72	320,717.93
	c) / Mumty	%Sft.	2,706.50	2,423.93	65,603.67
ii.	<u>Ground Floor + First Floor, Item No. 11 (c)</u> External Surfaces 1/2" thick 1:4 CSM on walls/up stand/down stand beam projection.				
	a) Ground Floor	%Sft.	2,239.75	2,283.93	51,154.32
	b) 1st floor	%Sft.	2,239.75	2,262.72	50,679.27
	c) Parapet / Mumty	%Sft.	1,548.68	2,423.93	37,538.92
15	Distempering Three Coats	P.Sft.	30,531.75	10.79	329,437.58



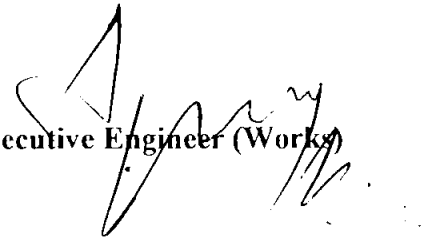
16	Preparing surface and painting with weather coat including rubbing the surface, filling and painting with weather coat of approved make, complete (new surface) three coats				
	a) Plaster Surface External	P.Sft.	6,028.18	25.68	154,803.66
	b) Cement concrete jalli	P.Sft.	455.00	25.68	11,684.40
17	1 1/2 " thick mosaic flooring consisting of 1/2" mosaic topping of one part of grey cement to two part of marble chips laid over 1 " thick flooring of 1:2:4 cement concrete including rubbing and polishing complete	%Sft.	250.00	9,258.67	23,146.68
18	Extra labor rate for making grooves of 1"x1/4" or 3/4" x 1/2" plastered surface with true edges both vertically and horizontally with uniform depth and with groove base smoothly finished etc. complete as per instruction of Engineer Incharge	P.Rft.	950.00	7.71	7,324.50
19	Extra labor for making cement plaster pattas/ band where required width not less than 6" width fine finishing as directed by the Engineer Incharge	P.Rft.	1,320.00	19.25	25,410.00
20	Providing and laying deodar wood wardrobe including boxing with back shelves shutters of MDF 3/4" thick both side laminated with drawers and brass fittings such as handles piano hinges locking arrangement rod, shoe rack, complete as per approved design (except paint / polish).	P.Sft.	85.00	2,364.65	200,995.25
21	Providing and applying three coats of enamel painting (Mat finish/all rounder including cleaning, approved make premixed putty filling, sand papering and a coat of primer complete as per manufacturers standards and as directed by the Engineer.				
	i. On wood surface /steel Chowket three coats	P.Sft.	380.00	21.16	8,040.80
22	Providing and laying French Polish complete on new wood work surface.	P.Sft.	185.00	38.42	7,107.70

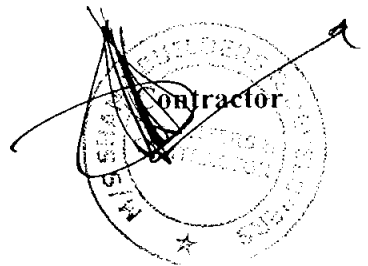


23	ALUMINIUM DOORS / WINDOWS / VENTILATORS Providing and fixing 2mm sectional thickness 101 mm wide of approved color aluminum doors/windows/ventilators including 5mm thick approved glass fixed to concrete or masonry surfaces by means of plastic fisher plugs, screws for windows and expansion bolt for door etc. inclusive but not limited to hinges, Matex Japan rollers, sliding lock having press buttons, handles, stays, PVC glazing gasket, caulking compound etc., complete as per drawings and as directed by the Engineer				
i.	Door	P.Sft.	70.00	1,507.66	105,536.20
ii.	Window partially fixed and partially sliding without fly screen	P.Sft.	1,895.75	1,449.69	2,748,249.82
24	ROOF TREATMENT Second class tile roofing consisting of 4" earth and 1" mud plaster with goblereeping over 1/2" thick cement plaster 1:6 with 34 Lbs .of hot bitumen coating sand blinded ,provided over one layer of 12" x 6" x 2" tiles laid in 1:6 mortar including 1:2 cement pointing under neath of tiles complete including curing etc.				
i.	On Roof	% Sft	5,705.00	7,607.25	433,993.61
25	POLYTHENE SHEET Providing and laying under floors or where required black low density flexible polythere sheet of single thickness not less than 0.46mm and weighing approximately 0.48 KG per SQ.M or in two layers having matching weight including the side and end laps of 4" width turning 4" on walls and sealing all the joints with masking tape etc., complete as per drawings, specifications and as directed by the Engineer				
i)	On Top Roof	% Sft	5,875.00	364.00	21,385.00
26	<u>DAMP PROOF COURSE (2" thick) (S.R Cement)</u> Damp proof course with cement sand & shingle/crush concrete (1:2:4) using Sulphate resistant cement type (v) including 2 coats of asphaltic mixture. (Over Walls)				
		%Sft.	629.00	3,912.85	24,611.83
27	Providing and fixing approved quality mortice lock.	Each	19.00	1,786.13	33,936.47
28	Priming coat of chalk distemper.	%Sft.	30,531.75	442.75	135,179.32



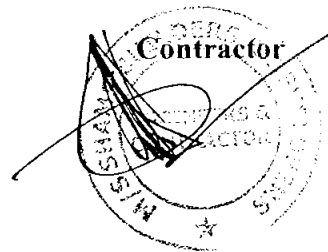
29	Two coats of Bitumen laid hot using 34 lbs for % Sft over roof and blinded with sand at one Cft P% Sft.	%Sft.	6,142.00	1,887.40	115,924.11
SUB-TOTAL					8,657,439.41
Premium 16 % Above/ Below on Schedule Items					= 865743.94
TOTAL					= 7791695.41


 Executive Engineer (Works)

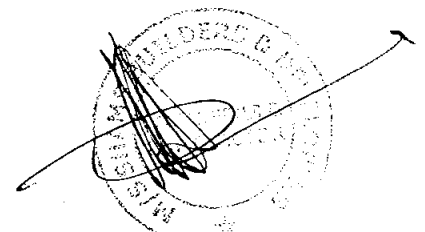


S.#	DISCRPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
	2. Schedule Civil Work Steel				
01	<u>STEEL REINFORCEMENT</u> Fabrication of mild steel reinforcement for cement concrete including cutting, bending, laying in position, making joints fastenings, including cost of binding wire also includes removal of rust from Tor bars.				
	i)Ground Floor				
	Using Tor bar	P.Cwt.	642.0	5,001.7	3,211,091.40
	ii) 1st Floor				
	Using Tor bar	P.Cwt.	494.0	5,013.8	2,476,817.20
	SUB-TOTAL				5,387,908.60
	Premium 16 % Above/ Below on Schedule Items				862,829.86
	TOTAL				6,250,738.46

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Executive Engineer (Works)

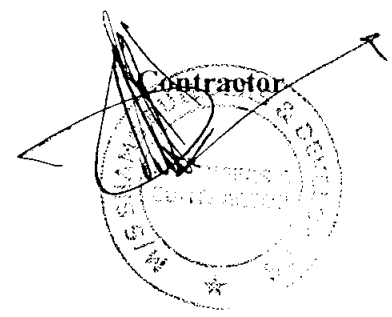


S.#	DISCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
	3. Schedule Works except RCC				
01	<u>REINFORCED CEMENT CONCRETE (S.R Cement)</u> Reinforced cement concrete (1:2:4) using Sulphate resistant cement type (v) or more rich to provide 6"x12" cylinder strength of 3000 psi at 28 days age (equivalent cube strength = 3750 psi) 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 exposed surface including screening and washing of stone aggregate. i) Footing ii) Tie Beam iii) Grade Slab	P.Cft. P.Cft. P.Cft.	2,633.00 758.00 1,730.00	337.00 337.00 337.00	887,321.00 255,446.00 583,010.00
02	<u>REINFORCED CEMENT CONCRETE (S.R Cement)</u> Reinforced cement concrete (1:1½:3) using sulphate resistant cement type (v) or more rich to provide 6"x12" cylinder strength of 4000 psi at 28 days age (equivalent cube strength = 4500 psi) including all labour and material except the cost of steel re-enforcement 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 exposed surface including screening and washing of stone aggregate. i) Column upto plinth.	P.Cft.	99.00	349.00	34,551.00
03	<u>REINFORCED CEMENT CONCRETE</u> Reinforced cement concrete (1:1½:3) or more rich to provide 6"x12" cylinder strength of 4000 psi at 28 days age (equivalent cube strength = 4500 psi) including all labour and material except the cost of steel re-enforcement 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				

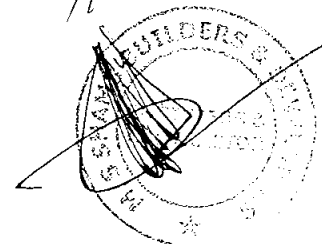


exposed surface including screening and washing of stone aggregate.				
i) Ground Floor				
a) Columns	P.Cft.	727.00	349.00	253,723.00
b) Beams	P.Cft.	1,221.00	349.00	426,129.00
c) Slabs	P.Cft.	2,886.00	349.00	1,007,214.00
d) Lintels	P.Cft.	76.00	349.00	26,524.00
e) Stairs.	P.Cft.	186.00	349.00	64,914.00
ii) First Floor				
a) Columns	P.Cft.	719.00	361.10	259,631.00
b) Beams	P.Cft.	1,259.00	361.10	454,625.00
c) Slabs	P.Cft.	3,211.00	361.10	1,159,492.00
d) Lintels	P.Cft.	76.00	361.10	27,444.00
SUB-TOTAL				5,440,024.00
Premium <u> </u> % Above/ Below on Schedule Items				2:1
TOTAL				= 5440024.00

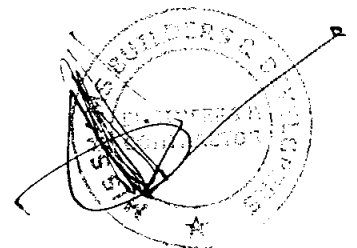
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Executive Engineer (Works)



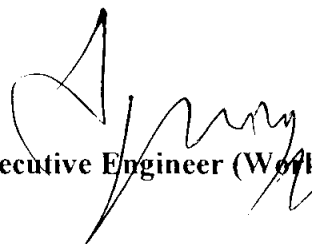
S.#	DISCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
	4. Non-Schedule Architectural Works				
01	PORCELAIN FLOOR TILES Providing and laying imported/local matt finish Porcelain tile in size 16"x16" of approved make, colour, and shade with patches/borders pattern, laid on cement paste having addition of tile bond at 15% by weight of cement laid over 1" thick 1:3 cement sand base mortar, over existing PCC 1:2:4 (cost excluded) complete as per detail shown on the drawing, specifications, and as directed by the Engineer. Same as above but 16"x16" size at any floor	P.Sft.	11,238.00	280/2	3146640/2
02	PORCELAIN SKIRTING TILES Providing and fixing of imported/local porcelain skirting 4"high and 16" length in size of approved make, colour and shade fixed with cement paste having addition of tile bond at 15% by weight of cement and filling the joints with neat white cement slurry with matching colour pigment including 3/4" thick base plaster of cement sand (1:4) with curing and cleaning etc, complete as shown on the drawing, specifications and as directed by the Engineer.	P.Sft.	2,532.00	140/2	354480/2
03	LASBELLA BOUTICSENA CREAM COLOUR MARBLE TILES Providing and laying Lasbella Boutescena Cream/equivalent (without streak) colour marble as per detail shown on the drawing counters / stair steps steps including landing and risers set over and including average 1" thick (1:3)CSM with cement slurry and grouting the joint with neat white cement mixed with colour pigment to match the marble colour including curing, grinding and chemical polishing etc, complete as per specifications, drawings and as directed by the Engineer. A) Stairs On Treads with bull nozing 3/4" thick i) size 4' to 6'x12" to 15"	P.Sft.	24.00	360/2	8640/2 3509760

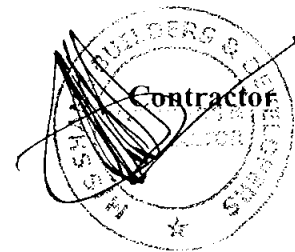


	ii) size 3' to 5' x 12" to 15"	P.Sft.	72.00	335 1/2	24120
	B) Risers				
	i) size 4' - 6' x 0-6" 3/4" thick for stair steps	P.Sft.	12.00	282 1/2	3384 1/2
	ii) size 3' - 5' x 0-6" 3/4" thick for stair steps	P.Sft.	17.00	260 1/2	4420 1/2
	C) Marble skirting 1/2" thick, 4" high				
	D) Marble on Cabinets/vanity (3/4" thick bull nosed)	P.Rft.	105.00	85 1/2	8925 1/2
	i) size 5' to 6' x 3' wide	P.Sft.	200.00	350 1/2	70000 1/2
	E)				
	i) size 12"x 12"	P.Sft.	312.00	330 1/2	102960 1/2
04	HYDRAULIC DOOR CLOSER				
	Providing and fixing Japan made locally available New Star Japan made hydraulic door closer to wood or aluminum door etc., complete as per drawings, specifications and as directed by the Engineer	Each	15	2700 1/2	40500 1/2
05	CARPENTRY AND JOINERY				
a	Providing and laying single action flush door shutter with commercial ply 3mm thick both sides, deodar wooden shutter frame of 4" wide 1-1/4" thick styles and rails bottom rail 6" wide, mild steel (galvanized) 20 gauge size 2"x6" door frame fixed with hold fasts with approved quality brass fittings and double action hinges concrete (1:2:4) or cement sand mortar (1:6) filled in door frame including 3 coats of paint of approved quality, complete in respect	P.Sft.	385.00	750 1/2	288750 1/2
b	Providing and fixing first class deodar wood 1-1/2" thick paneled shutters with 4" wide stile, bottom rail 6" side and top and lock rail 4" wide and 20 gauge 2"x6" GI mild steel moulded sheet frame and fixing in position with concrete or CSM filling in frame including 2"x5/8" and 5/8"x5/8" deodar wood architrave beading at wall / frame joints on both sides, complete with panel of 3/4" deodar wood plank and deodar wood stopper 1/2" x 2" (excluding matt finish enamel paint), approved iron hinges, door stoppers, CP brass fittings, handles, approved quality lock. Complete as per drawings, specifications and as directed by the Engineer.	P.Sft.	245.00	1400 1/2	343600 1/2
					4395819



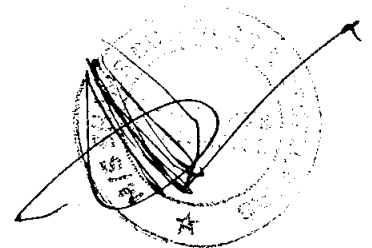
06	STAIR CASE RAILING Providing making and fixing 3'-0" high from the centre of tread Stainless Steel staircase railing consisting of 1-1/2" dia 14SWG stainless steel balustrade screwed down to base plate and 1/2" dia pipes crossing horizontally through balustrade as shown on the drawing including 2-1/2" dia stainless steel pipe hand rail welded to balustrade including base plate, rugs and S.S cover plate 3" dia etc, complete as per drawings as further directed by the Engineer.	P.Sft.	335.00	599 1/2	200665 1/2
07	STAIR CASE WALL BRACKET RAILING (Type-II) Providing making and fixing stair case wall bracket railing consisting of 38 mm x 200mm solid deodar wood decorative hand rail having grooves on either sides fixed with rough wood block of size 38x75x100mm at 3'-0" c/c fixed over all, including lacquer polishing. Complete all as shown on the drawing and as directed by the Engineer	P.Rft.	44.00	399 1/2	17556 1/2
08	Difference of SR Cement	P.Bag	168.00	10 1/2	1680 1/2
			TOTAL = 45940 1/2 4615720 1/2 4615720		


Executive Engineer (Works)

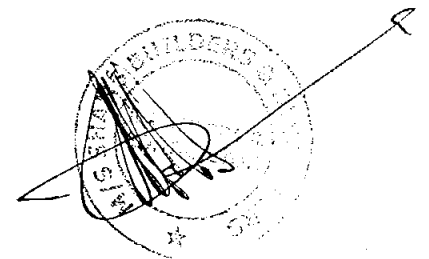


B. PLUMBING WORKS (SCHEDULE ITEMS):

S.#	DISCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
	1. Schedule Plumbing Works.				
01	Providing & fixing a squatting type white glazed earthenware W.C. pan with including the cost of flushing Cistern with internal fittings and flush pipe with bends & making requisite number of holes in wall, plinth and floor for pipe connection and making good in cement concrete 1:2:4. a: With 4" dia white glazed earthen ware trap & plastic thimble (Item No. 1A, Chapter-1)	Each	04	5,044.60	20,178.40
02	Providing & fixing European type white glazed earthenware wash down W.C. pan complete with and including the cost of white/black-plastic seat (Best quality) and lid with C.P. brass hinges and buffers, 3 gallons white glazed earthenware low level flushing cistern with siphon fittings, 1-1/2" dia. white porcelain enameled flush bend, 3/4" dia and making requisite No. of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Foreign quality) (item No.5, chapter-1)	Each	6	11,477.40	68,864.40
03	Providing & fixing 24" x 18" lavatory basin in white glazed earthenware complete with and including the cost of W.I. Or C.I. Cantilever bracket 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia chrome plated pillar taps, 1-1/2" dia rubber plug and chrome plated brass chain, 1-1/4" dia malleable iron or brass, brass unions making requisite number of hole in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4, standard pattern including earthen ware glazed pedestal (Item No.8, chapter-1)	Each	18	4,253.70	76,566.60
04	Providing and fixing C.P. brass toilet paper holder of standard size with chrome plated brass brackets complete (superior quality) (item No.2b, chapter-2)	Each	6	1,071.40	6,428.40
05	Providing and fixing chrome plated brass towel rail complete with brackets fixing on wooden cleats with 1" long C.P. brass screws. 1) Towel rail 24" long. 3/4" dia round or square superior quality (Item No.1- III(b), chapter-2).	Each	14	1,082.95	15,161.30
06	Providing & fixing 24" x 18" beveled edge mirror of Belgium glass complete with 1/8" thick hardboard and C P brass screw fixed to wooden pleat with glass shelves.				

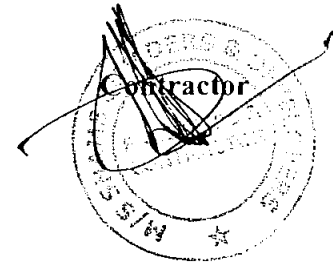


	b) Superior quality (item No.3(b)chapter-2).	Each	18	2,376.00	42,768.00
07	Providing & fixing soap tray earthen with c.p. brass screws etc. complete (item No.5, chapter -2)	Each	14	497.20	6,960.80
08	Supplying & fixing in position 1/2" dia. C.P. bib cocks standard pattern. (Item No. 2(1),b, chapter-6).	Each	04	150.92	603.68
09	Supplying & fixing in position 1/2" dia tee stop of superior quality with C.P. head (item No.12b, chapter-6).	Each	28	889.46	24,904.88
10	Providing & fixing 6"x2" or 6"x3" C.I. Floor trap of approved self cleaning design with a C.I. Screwed down grating with or without a vent arm complete with and i/c, making requisite No. of holes in walls, plinth and floor for making pipe connection and making good in cement concrete 1:2:4 (item No. 20,chapter-1).	Each	26	2,042.43	53,103.18
11	Providing & fixing handle valves (China). (Item No. 5, chapter-6)				
	i) 1/2" dia	Each	04	200.42	801.68
	ii) 3/4 " dia	Each	03	271.92	815.76
	iii) 1 " dia	Each	02	365.42	730.84
	iv) 1-1/4" dia	Each	03	475.42	1,426.26
	v) 1-1/2" dia.	Each	03	640.92	1,922.76
	vi) 2" dia	Each	01	1,382.92	1,382.92
12	Providing & fixing Soil and Waste water pipes including cutting, fitting, and extra painting to match the color of building. Including cutting and fitting C.I. Pipes in trenches and testing with water to pressure head of 200 feet. .				
	ii) 3" dia (item 13,chapter-3)	P.Rft.	460.00	289.25	133,055.00
	iii) 4" dia (item 1, chapter-3)	P.Rft.	195.00	333.20	64,974.00
13	Providing & fixing 4" dia C.I. Fittings including extra painting to match the colour of the Building.				
	a) Plain bend of required degree	Each	46	566.70	26,068.20
	b) Equal and unequal plain branch of required degree and arms.	Each	76	702.00	53,352.00
	c) Equal & unequal plug branch of required degree.	Each	48	270.60	12,988.80

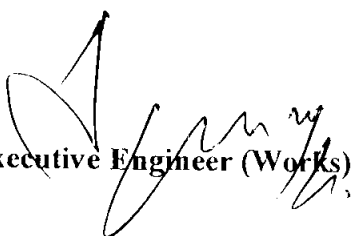


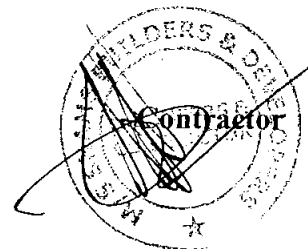
	d) Lead caulked joint.	Each	335	341.85	114,519.75
	e) Plain bend of required degree with access plug.	Each	12	599.60	7,195.20
14	Providing & fixing 3" dia C.I. Fittings including extra painting to match the colour of the Building.				
	a) Equal and unequal plain branch of required degree and arms.	Each	68	591.30	40,208.40
	b) Lead caulked joint.	Each	210	315.36	66,225.00
	c) Plain bend of required degree.	Each	35	495.60	17,346.00
15	Supplying and fixing of CP Muslim shower with double bib cock and ring pipe etc complete. Item 19 (a), chapter-6.	Each	10	3,432.00	34,320.00
16	Providing and fixing of swan neck pillar cock of superior quality single C.P. Head Dia 1/2 inch, Item No. 16, chapter-6 (for Laundry sinks)	Each	18	795.23	14,314.14
SUB-TOTAL					9,07,186.35
Premium \checkmark 11 % Above/ Below on Schedule Items					$= 99790.49\%$
TOTAL					$= 1006976.84\%$

Executive Engineer (Works)



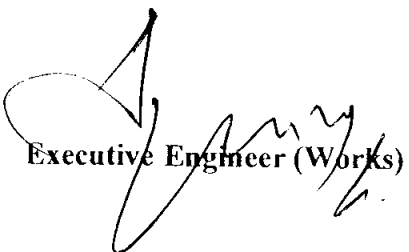
S.#	DISCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
2	Schedule Plumbing Pipe Works				
1	Providing G.I. Pipes, specials and clamps etc., I/c, fixing cutting and fitting complete with and including the cost of breaking through walls and roof, making good etc., painting two coats after cleaning the pipe etc., with white zinc paint with pigment to match the colour of the building and testing with water to a pressure head of 200 feet and handling (item No.1, chapter-4)				
	i) 1/2" dia	P.Rft.	155.00	72.21	11,192.55
	ii) 3/4" dia	P.Rft.	360.00	95.79	34,484.40
	iii) 1" dia.	P.Rft.	64.00	128.55	8,227.20
	iv) 1-1/4" dia	P.Rft.	45.00	153.99	6,929.55
	v) 1-1/2" dia	P.Rft.	65.00	188.97	12,283.05
	vi) 2" dia	P.Rft.	25.00	233.00	5,825.00
	vii) 3" dia (for rain water disposal)	P.Rft.	510.00	360.40	183,804.00
SUB-TOTAL					262,745.75
Premium 16% <input checked="" type="checkbox"/> Above/ <input type="checkbox"/> Below on Schedule Items					= 26274.51
TOTAL					= 289020.32

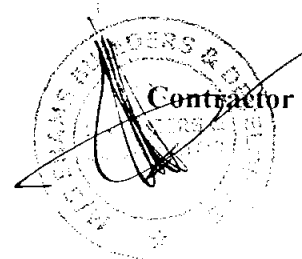

Executive Engineer (Works)



3. PLUMBING WORK (NON-SCHEDULE ITEMS)

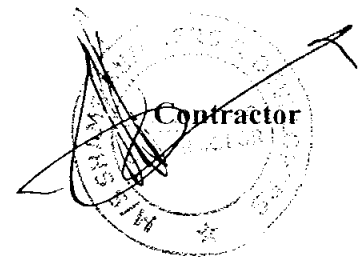
S.#	DISCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
01	Providing & fixing plastic shelf with rawl plug and 1" long C.P. brass screws. (Master make).	Each	18	549 1/2	9882 1/2
02	Providing & fixing 1-1/2" dia uPVC pipe for wash basin drain. i) 3" dia.	P.Rft.	54.00	19 1/2	1026 1/2
03	Providing and fixing C.I. Cleanouts with sunk type C.P. brass screw caps including cost of making requisite number of hole in walls, plinth and floor for pipe connection and restoring damaged surfaces to original condition. a) 3" dia.	Each	14	2999 1/2	41986 1/2
04	Providing and fixing 24 SWG C.P copper connection 18" x 3/8" with two C.P. brass nuts, etc., complete (Asia code No. 329).	Each	28	299 1/2	8372 1/2
05	Providing and installing of c.p. bottle trap as manufactured by Master /Asia	Each	18	849 1/2	15282 1/2
07	Providing and installation of electric Geysers, Capacity 6 Gallons, Make, "SINGER" "VENUS" PAKISTAN	Each	02	19999 1/2	39998 1/2
TOTAL					116546 1/2


Executive Engineer (Works)


Contractor

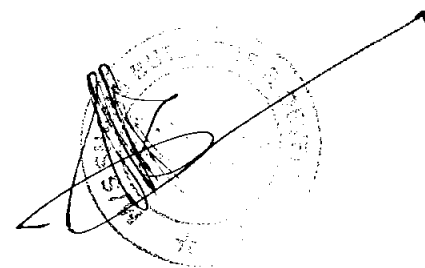
S.#	DISCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
C	EXTERNAL WORKS (SCHEDULE ITEMS)				
1	DRAINAGE WORK				
01	Excavation in pipe line in trenches and pits in hard soil.	%0Cft	2,000.00	3.90	7,800.00
02	Excavation in pipe line in trenches and pits in gravity soil.	%0Cft	700.00	4.20	2,940.00
03	Construction manhole or inspection chamber for the required dia of circular sewer of 3'-6" depth with walls of B.B. in cement mortar 1:3 and 1:3 cement plastered 1/2" thick inside of walls and 1" thick over benching and channels including fixing C.I. manhole cover with frame of clear opening 1-1/2" x 1-1/2" of 1.75 Cwt 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 1" C/C duly painted etc. complete as per specification and drawing No. D-P/1 of Public Health Circle, Southern Zone. Item P (a) Chapter-II, -P2, Part-B. Internal dia of Sewer 4" to 6". Internal dia of Chamber 2'-0" x 2'-0"	Each	10	14,748.00	147,480.00
04	Construction of Gully traps of 12"x12" internal size and required depth of max 18" with walls of in cement mortar 1:3 and 1:3 cement plastered 1/2" thick inside of walls including fixing of C.I. Cover and frame.	Each	06	1,358.17	8,149.02
SUB-TOTAL					166,369.02
Premium 16 % Above/ Below on Schedule Items					= 16636.90
TOTAL					= 183005.92

[Signature]
Executive Engineer (Works)



2 .EXTERNAL DEVELOPMENT (SCHEDULE ITEMS)

S.#	DISCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
01	Excavation in foundation of building, bridges and other structures including debelling dressing refilling around structure with excavated earth after and ramming lead upto 5 ft. b) in ordinary soil	P.Cft.	1,350.00	3.17	4,279.50
02	Filling, watering and ramming earth under floor with new earth excavated fromoutsiees lead upto one chain and lift upto 5 feet	P.Cft.	551.00	3.63	2,000.13
03	Cement concrete plain including placing compacting, finish and curing, complete (including screening and washing of stone aggregate without shuttering. i) 1:4:8 under floor and in foundation	P.Cft.	382.00	112.88	43,120.16
04	Pacca brick work in foundation and plinth in cement sand mortar including curing complete. (e) 1:6	P.Cft.	649.74	119.48	77,630.94
05	<u>SAND FILLING</u> Sand filling under floor foot path /plinth protection and where required including laying, leveling, dressing compacting and complete a) Under Plinth Protection and floor	P.Cft.	290.06	11.41	3,309.58
06	<u>PAVING BLOCKS</u> Providing and fixing cement paving blocks flooring having size of 197x97x60 (mm) of city/Quadra/cobble shape with pigment and having strength b/w 5000 psi to 8500 psi filling the joints with hill sand and laying specified manner /pattern and design etc. (over 2" sand cushion, complete.	P.Sft.	1,160.25	223.97	259,861.19

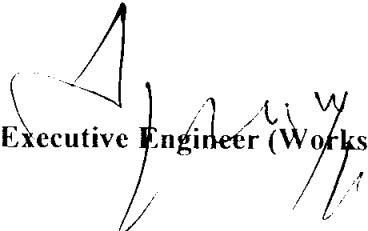


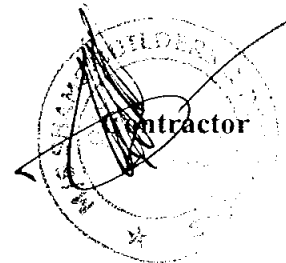
07	<p><u>PLAIN CEMENT SAND WALL PLASTERING</u></p> <p>Providing and applying 3/4" thick plaster at any floor or at any height using approved quality sand preferably machine mixed mortar, including all bends, corners, recesses including scaffolding and hacking the concrete surfaces, arching the masonry joints and providing 8" wide GI wire mesh of 17 SWG 1"x1" size fixed with GI staples on masonry joints, concrete joints. All plaster to be finishes smooth with steel float in true to level, line and plumb and properly cured, complete as per drawings, specifications and as directed by the Engineer.</p> <p>ii) Ground Floor + First Floor, Item No. 11 (c)</p> <p>External Surfaces 1/2" thick 1:4 CSM on walls/up stand/down stand beam projection.</p> <p>a) Ground Floor</p>	%Sft.	1,250.00	2,283.93	28,549.13
08	<p><u>ANTI TERMITE TREATMENT</u></p> <p>Providing Ani-termite treatment by spraying / sprinkling / spreading Neptachlar 0.5% Emulsion as an ever all pre-construction treatment in slab type construction under the slab and along attached perches or entrances etc. complete as per directions of Engineer Incharge</p>	P.Sft.	6,655.00	4.16	27,684.80
SUB-TOTAL					446,435.43
Premium <u>10%</u> Above/ Below on Schedule Items					= 44643.54
TOTAL					491078.97

[Signature]
Executive Engineer (Works)

[Signature]
Contractor

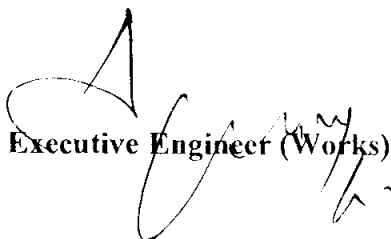
S.#	DISCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
EXTERNAL WORKS (SCHEDULE ITEMS)					
3. PIPE WORKS (SCHEDULE ITEMS)					
01	Providing and laying R.C.C. pipe class 'B' with collar.\				
	i) 9 inches dia. Item 2(d), chapter-11	P.Rft.	170.00	250.60	42,602.00
	ii) 12 inches dia. Item No. 2(e), chapter-11.	P.Rft.	70.00	401.97	28,137.90
SUB-TOTAL					70,739.90
Premium <u>13</u> % Above/ Below on Schedule Items					<u>29196.18</u> ^{1/2}
TOTAL					<u>279936.08</u> ^{1/2}

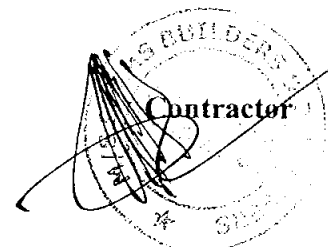

Executive Engineer (Works)



SPECIAL ITEMS (NON-SCHEDULE ITEMS)

S.#	DISCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
01	Minrcal fiber acoustical tile false ceiling 15 mm minimum thick Revealed 2'x2' mineral fiber acoustical false ceiling tile with surface pattern/ design/ texture, OWA Germany Made with adjustable GI hanger and imported T Section Frame accessories in approved colour to exposed surfaces, complete in all respects.	P.Sft.	4,207.00	139.99 1/2	588937.93 1/2
02	Facing brick Fair facc Masonry in brick work of external 4 1/2" and above walls (fair faced full sized brick from Lahore matching the characteristic of commonly known facing bricks as Gutka) in 1:4 cement sand mortar, with reinforcing tics where ever required including 1: 2 deep struck pointing cement and bake powder slurry	P.Cft.	3,648.00	349 1/2	1273152 1/2
03	Glass Partition Providing and fixing glass partition of approved make including 12mm thick best quality imported tinted/clear glass and Aluminum fitting coated, lugs cutting holes and making good damages to wall etc. complete as required in any floor as directed by Engineer Incharge.	P.Sft.	2,100.00	699 1/2	1467900 1/2
04	Glass Door Providing and fixing glass doors of approved make including 12mm thick best quality imported tinted/clear glass and Aluminum fittings top and bottom and making good damages to wall including floor concealed stainless door machine Japan/ Malaysia Made, door Lock , handle, patch fitting and all hardware fitting etc. complete as required in any floor as directed by Engineer Incharge.	P.Sft.	465.50	777 1/2	361693.5 1/2
05	Same as above but MS ties @ 3'-0" c/c horizontally @ 1'-6" vertically in cavity wall staggered. a) Ground Floor and first floor	P.Sft.	3850.00	66 1/2	254100 1/2
TOTAL					23945783.4 1/2


Executive Engineer (Works)



SCHEDULE OF DAYWORK RATES



I. Labour

Item No.	Description	Unit	Nominal Quantity	Rate (Rs) in Figure	Rate (Rs) in Words	Extended Amount (Rs.)
1	2	3	4	5	6	7
D101	Ganger	Hr	500			
D102	Labourer	Hr	5,000			
D103	Brick layer	Hr	500			
D104	Mason	Hr	500			
D105	Carpenter	Hr	500			
D106	Steel work Erector	Hr	500			
	-----etc-----	Hr	500			
D113	Driver for vehicle up to 10 tons	Hr	1,000			
D114	Operator for excavator, dragline, shovel or crane	Hr	500			
D115	Operator for tractor, (tracked) with dozer blade or ripper	Hr	500			
D122	<p style="text-align: center;">Sub-Total</p> <p>Allow _____ percent of subtotal for Contractor's overhead, profit, etc, in accordance with Paragraph 3(b) of Day work Schedule _____</p> <p>Total for Day work: Labour : _____</p> <p>(Carried forward to Day work Summary)</p>					

(Not Applicable)

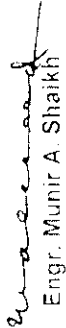
ATTENDANCE SHEET


Name of Work: A major renovation work for the existing building at Jamshoro. The work is being executed by the contractor under the supervision of the Project Director, Jamshoro. The work is being executed under the supervision of the Project Director, Jamshoro. The work is being executed under the supervision of the Project Director, Jamshoro.

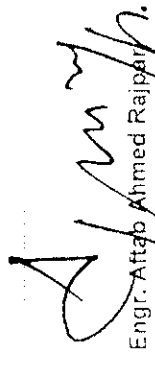
S.No.	Name of Contractors	Estimated Cost	Tendered Cost	Signature of Contractor	Remarks
1	M/s Pakistan Electric Works Karachi		Rs. 17029934/-		Attd of Bank, Hydrabad A/c No. 3410000- C.O. No. 10189493 Dt. 07-04-2014
2	M/s Gul Traders, Hyderabad		Rs. 18250043		Songri Bank, Hydrabad A/c No. 355000- C.O. No. 0091199 Dt. 07-04-2014
3	M/s Sungreen Electric & Construction Co. Karachi	17053 (M)	Rs. 18000000/-	A. Waleed	Songri Bank, Hydrabad A/c No. 355000- C.O. No. 0091199 Dt. 07-04-2014
4	M/s Iqbal Malik & Co. Kotri			Absent	

Corrections (if any)

- M/s Pakistan Electric Works
- M/s Gul Traders
- M/s Sungreen Electric & Construction
- M/s Iqbal Malik & Co. Kotri


Engr. Munir A. Shaikh
Director Finance
MUET, Jamshoro.


Engr. Qamar-ul-Hassan Memon
Project Director
University of Sindh


Engr. Aftab Ahmed Rajpar
Executive Engineer, (Works),
MUET, Jamshoro.

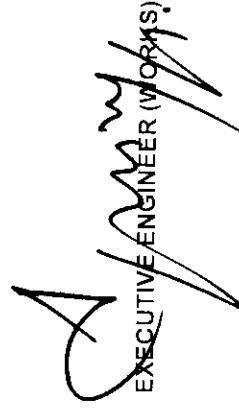
Dated 08-04-2014

COMPARATIVE STATEMENT

Name of Work:- A 500 KVA KIOSK SUB-STATION NO. 15 FOR THE BUILDING OF STUDENT SERVICE CENTRE & SPORTS COMPLEX (GYMNASIUM HALL), PROVISION OF STREET LIGHTING FOR THE BUILDING OF STUDENT SERVICE CENTRE & SPORTS COMPLEX (GYMNASIUM HALL) AND SHIFTING OF SUB-STATION NO. 06 TO NEW GIRLS HOSTEL AT MUEET JAMSHORO.

S.#	NAME OF CONTRACTOR FIRM/COMPANY	ESTIMATE COST IN Rs.	CONTRACTORS QUOTED BID AMOUNT Rs.	MATHEMATICALLY CORRECT BID AMOUNT (Rs.)	% ABOVE/BELOW ESTIMATED COST	RANK
1	M/s Pakistan Electric Works, Karachi	17,052,603.30	17,029,934.00	17,029,934.00	-0.13% Below	1st Lowest
2	M/s Sungreen Electric & Construction Co. Karachi.	17,052,603.30	18,000,000.00	18,000,000.00	5.56% Above	2nd Lowest
3	M/s Gul Traders, Hyderabad	17,052,603.30	18,250,043.00	18,250,043.00	7.02% Above	3rd Lowest


ACCOUNTS OFFICER


EXECUTIVE ENGINEER (WORKS)

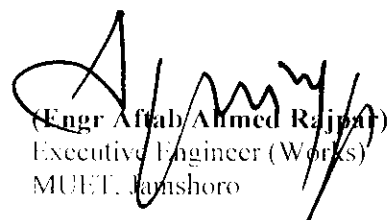
Bid Evaluation Report

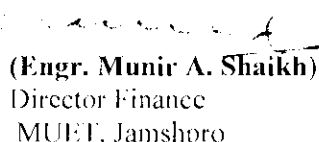
1. Name of Procuring Agency: **Mehran University of Engineering & Technology, Jamshoro.**
2. Tender Reference No: **No. Dir(W&S)/MUET/JAM/-55, Dated 11-03-2014**
3. Tender Description/Name of work/Item: **A 500 KVA Kiosk Sub-Station No. 15 for the Buildings of Student Service Centre & Sports Complex (Gymnasium Hall). Provision of Street Lighting for the Building of Student Service Centre & Sports Complex (Gymnasium Hall) and Shifting of Sub-Station No. 06 to New Girls Hostel at MUET, Jamshoro**
4. Method of Procurement: **Domestic/ Local.**
5. Tender Published: **MUET Web Site on 14-03-2014, SPPRA Web Site Sr. 19339 on 13-03-2014.**
Print & Electronic Media (SPPRA ID Sr. No. 19339 Dated 13-03-2014.
(News Paper published in Daily Dawn on 13-03-2014, Daily Express on 13-03-2014 & Daily Ibrat 13-03-2014
6. Total Bid documents Sold: **04 Nos.**
7. Total Bids Received: **03 Nos.**
8. Technical Bid Opening date: (if applicable) N/A
9. No. of Bid technically qualified (if applicable): N/A
10. Bid(s) Rejected: **Nil**
11. Financial Bid Opening date: **08-04-2014**

12. Bid Evaluation Report:

Estimated Cost: **Rs. 17,052,603.30**

S No	Name of Firm or Bidder	Cost offered by the Bidder	Ranking in terms of cost	Comparison with Estimated cost Above/ Below	Reasons for acceptance/ rejection	Remarks
0	1	2	3	4	5	6
1.	M/s Pakistan Electric Works, Karachi	Rs. 17,029,934.00	1 st	-0.13% (Below)	Acceptable due to 1 st lowest.	
2.	M/s Sungreen Electric & Construction Co. Karachi.	Rs. 18,000,000.00	2 nd	5.56% (Above)	2 nd Lowest	
3.	M/s Gul Traders, Hyderabad	Rs. 18,250,043.00	3 rd	7.02% (Above)	3 rd Lowest	


 (Engr. Aftab Ahmed Rajput)
 Executive Engineer (Works)
 MUET, Jamshoro


 (Engr. Munir A. Shaikh)
 Director Finance
 MUET, Jamshoro


 (Qamar-ul-Hassan Memon)
 Project Director
 (University of Sindh)

He 3



**MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY,
JAMSHORO, SINDH, PAKISTAN.**

Tel: Off: +92-222-771212, Fax: +92-222-771403



*Executive Engineer
(Works)*

No. XEN(Works)/MUET/JAM/2014/-34,
Dated: 10-04-2014

1. M/s New Mehran Engineering Co.,
Karachi.
2. M/s N.K & Company,
Karachi.
3. M/s Origin Enterprises,
Hyderabad.

Subject: **BID EVALUATION REPORT SHOWING THE RANKING OF BID FOR THE WORKS "AN EXTENSION OF APPROACH ROAD FROM STUDENT SERVICE CENTRE TOWARDS THE SPORTS COMPLEX (GYMNASIUM HALL) AT MUET, JAMSHORO"**

Ref:

Gentlemen,

The office of the undersigned has prepared the Bid Evaluation Report as attached showing the ranking of Bid Documents quoted by you for the above subjected works.

This is for your kind information and if any objection by you, please submit your complaint within 07 days, after that it is presumed that you have no any objection and work order issued to the lowest bidder.




[Signature]
Executive Engineer (Works)
MUET, Jamshoro.

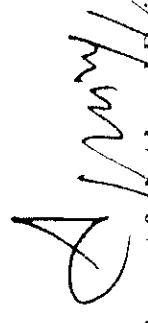
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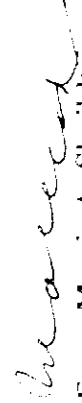
1. Director (Works & Services), MUET, Jamshoro.
2. Director Finance, MUET, Jamshoro
3. Additional Director, ICPC, MUET, Jamshoro. (for up-loading on Web-Site).
4. ✓ Director (A&F), Govt. of Sindh, Sindh Public Procurement Regulatory Authority, (SPPRA), Karachi. (for uploading on SPPRA Web-Site).
5. Secretary to the Vice Chancellor, MUET, Jamshoro.

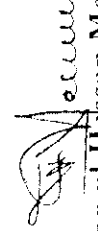
UNIVERSITY OF SINDH, HALLI ROAD, JAMSHORO
SPORTS COMPLEX (GYMNASIUM HALL) AT MUE.T, JAMSHORO.

OPENED ON 08-04-2014

S.NO.	NAME OF CONTRACTOR	ESTIMATED COST	TENDERED COST	SIGNATURE OF CONTRACTOR	REMARKS
1.	M/s N.K & Company, Karachi.		Rs. 9261987.13		Bank Ac. Faisal, Hydr A/c No. 21000000 P. No. 0022908 Date: 07-04-2014
2.	M/s New Mehran Engineering Co., Karachi.	9.594 (M)	Rs. 8857642.14		Bank Islami Hydr A/c No. 192000-- P. No. 239826 Date: 08-04-2014
3.	M/s Origin Enterprises, Hyderabad.		Rs. 9699111.26		Bank Islami Bank, Hydr A/c No. 260000-- P. No. 0015224 Date: 07-04-2014


 Engr. Afraz Ahmed Rajpar
 Executive Engineer (Works)
 MUE.T, Jamshoro

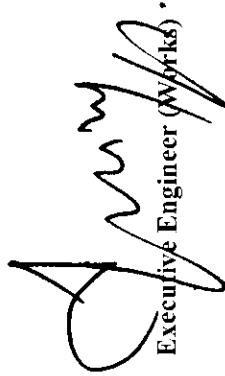

 Engr. Munir A. Shaikh
 Director Finance
 MUE.T, Jamshoro


 Engr. Qamar-ul-Hassan Memon
 Project Director
 University of Sindh

COMPARATIVE STATEMENT

NAME OF WORK: AN EXTENSION OF APPROACH ROAD FROM STUDENT SERVICE CENTRE TOWARDS THE SPORTS COMPLEX
(GYMNASIUM HALL) AT MUET, JAMSHORO.

S.#	NAME OF CONTRACTOR/ FIRM/ COMPANY	ESTIMATED COST IN RS.	CONTRACTORS QUOTED BID AMOUNT	MATHEMATICALLY CORRECT BID AMOUNT	% ABOVE/BELOW ESTIMATED COST	RANK
1	M/s New Mehran Engineering Co., Karachi.	9,593,556.85	8,857,642.14	8,845,735.75	-7.795 Below	1st Lowest
2	M/s N.K & Company, Karachi.	9,593,556.85	9,261,987.13	9,261,987.13	-3.456 Below	2nd Lowest
3	M/s Origin Enterprises, Hyderabad.	9,593,556.85	9,699,171.26	9,506,570.78	-0.907 Below	3rd Lowest


Executive Engineer (Works)

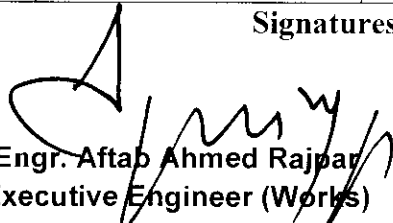

Accounts Officer


Bid Evaluation Report

1. Name of Procuring Agency: Mehran University of Engineering & Technology, Jamshoro.
2. Tender Reference No: DIR(W&S)/MUET/JAM-55, dated: 11-03-2014
3. Tender Description/Name of work/item: AN EXTENSION OF APPROACH ROAD FROM STUDENT SERVICE CENTRE TOWARDS THE SPORTS COMPLEX (GYMNASIUM HALL) AT MUET, JAMSHORO.
4. Method of Procurement: Domestic/ Local.
5. Tender Published: MUET Web Site on 14-03-2014 & SPPRA Web Site on 13-03-2014.
Print & Electronic Media (SPPRA ID No.19339, dated: 13-03-2014 & News papers "Daily Dawn" on 13-03-2014. "Daily Express" on 13-03-2014 & "Daily Ibrat" on 13-03-14)
6. Total Bid documents Sold:- 03 Nos.
7. Total Bids Received: 03 Nos.
8. Technical Bid Opening date: (if applicable) Not Applicable (Provide details in separate form)
9. No. of Bid technically qualified (if applicable): Not Applicable.
10. Bid(s) Rejected: Nil.
11. Financial Bid Opening date: 08-04-2014.
12. Bid Evaluation Report:
13. Estimated Cost:- Rs.9,593,556.85

S No	Name of Firm or Bidder	Cost offered by the Bidder	Ranking in terms of cost	Comparison with Estimated cost	Reasons for acceptance/ rejection	Remarks
0	1	2	3	4	5	6
1.	M/s New Mehran Engineering Co.,	8,845,735.75	1 st	-7.795% Below	Acceptable due to 1 st lowest.	
2.	M/s N.K & Company.	9,261,987.13	2 nd	-3.456% Below	2 nd Lowest	
3.	M/s Origin Enterprises.	9,506,570.78	3 rd	-0.907% Below	3 rd Lowest	

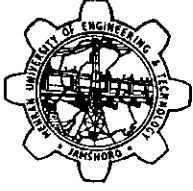
Signatures of the Members of the Committee.


Engr. Aftab Ahmed Rajpar
Executive Engineer (Works)
MUET, Jamshoro


Engr. Munir A. Shaikh
Director Finance
MUET, Jamshoro


Engr. Qamar-ul-Hassan Memon
Project Director
(University of Sindh)

Item 3



**MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY,
JAMSHORO, SINDH, PAKISTAN.**

Tel: Off: +92-222-771212, Fax: +92-222-771403



*Executive Engineer
(Works)*

No. XEN(Works)/MUET/JAM/2014/-36,
Dated: 10-04-2014

1. M/s Gul Traders,
Hyderabad.
2. M/s Muhammad Najib & Sons,
Hyderabad.
3. M/s Pakistan Electric Works,
Hyderabad.

Subject: **BID EVALUATION REPORT SHOWING THE RANKING OF BID FOR THE WORKS "INTERNAL / EXTERNAL ELECTRIFICATION, COMPUTER NETWORKING & AIR-CONDITIONING WORKS OF GIRLS HOSTEL FOR 150 STUDENTS AT MUET, JAMSHORO"**

Ref:

Gentlemen,

The office of the undersigned has prepared the Bid Evaluation Report as attached showing the ranking of Bid Documents quoted by you for the above subjected works.

This is for your kind information and if any objection by you, please submit your complaint within 07 days, after that it is presumed that you have no any objection and work order issued to the lowest bidder.



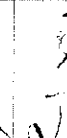
**Executive Engineer (Works)
MUET, Jamshoro.**

Copy f.w.c.s to the:

1. Director (Works & Services), MUET, Jamshoro.
2. Director Finance, MUET, Jamshoro
3. Additional Director, ICPC, MUET, Jamshoro. (for up-loading on Web-Site).
- ✓ 4. Director (A&F), Govt. of Sindh, Sindh Public Procurement Regulatory Authority, (SPPRA), Karachi. (for uploading on SPPRA Web-Site).
5. Secretary to the Vice Chancellor, MUET, Jamshoro.


ATTENDANCE SHEET


Name of Work: INTERNAL ELECTRICAL INSTALLATION IN COMPUTER NETWORK LAB 3 ASSIGNED TERMINAL BLOCKS FOR 5000
 Location: UNIVERSITY OF SINDH, JAMSHORO


S.No.	Name of Contractors	Estimated Cost	Tendered Cost	Signature of Contractor	Remarks
1	M/s Muhammad Najib & Sons Hyderabad		Rs. 11542511.2A		M/S Bank, Jamshoro Amt Rs. 234000 P. O. No. 2051469
2	M/s Pakistani Electric Works Karachi		Rs. 11891797.40		HBL MUEJ - Jamshoro Amt Rs. 242000 P.O. No. 10031237
3	M/s Gul Traders, Hyderabad	11,064 (M)	Rs. 11011296.00		Bank At - Hokeer (S.D) Amt Rs. 248643
4	M/s Sungreen Electric & Construction Co. Karachi		Absent		Amt Rs. 222000 P.O. No. 0210120

Corrections (if any)

- 1 M/s Muhammad Najib & Sons
- 2 M/s Pakistani Electric Works
- 2 M/s Gul Traders
- 2 M/s Sungreen Electric & Construction


 Engr. Munir A. Shaikh
 Director Finance
 MUET, Jamshoro.


 Engr. Qamar-ul-Hasan Memon
 Project Director
 University of Sindh


 Engr. Afzal Ahmed Rajpoot
 Executive Engineer, (Works),
 MUET, Jamshoro.

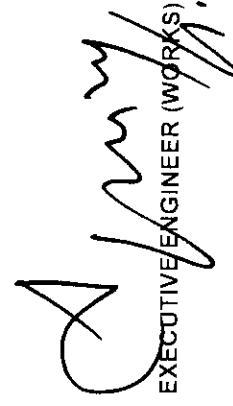
Dated 08-04-2014

COMPARATIVE STATEMENT

NAME OF WORK:- INTERNAL / EXTERNAL ELECTRIFICATION, COMPUTER NETWORKING & AIR-CONDITIONING
WORKS OF GIRLS HOSTEL FOR 150 STUDENTS" AT MUEET JAMSHORO.

S.#	NAME OF CONTRACTOR FIRM/COMPANY	ESTIMATE COST IN Rs.	CONTRACTORS QUOTED BID AMOUNT Rs.	MATHEMATICALLY CORRECT BID AMOUNT (Rs.)	% ABOVE/BELOW ESTIMATED COST	RANK
1	M/s Gul Traders, Hyderabad.	11,064,299.33	11,011,296.00	11,011,296.00	-0.48% Below	1st Lowest
2	M/s Muhammad Najib & Sons, Hyderabad.	11,064,299.33	11,542,511.27	11,542,511.27	4.32% Above	2nd Lowest
3	M/s Pakistan Electric Works, Karachi	11,064,299.33	11,891,797.00	11,891,797.00	7.48% Above	3rd Lowest


ACCOUNTS OFFICER


EXECUTIVE ENGINEER (WORKS)

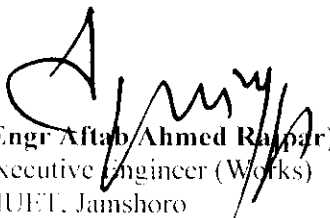
Bid Evaluation Report

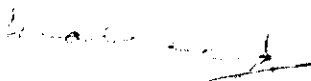
1. Name of Procuring Agency: **Mehran University of Engineering & Technology, Jamshoro.**
2. Tender Reference No: **No. Dir(W&S)/MUET/JAM/-55, Dated 11-03-2014**
3. Tender Description/Name of work/Item: **Internal / External Electrification Computer Networking & Air-Conditioning of Girls Hostel for 150 Students.**
4. Method of Procurement: **Domestic/ Local.**
5. Tender Published: **MUET Web Site on 14-03-2014, SPPRA Web Site Sr. 19339 on 13-03-2014.**
Print & Electronic Media (SPPRA ID Sr. No. 19339 Dated 13-03-2014.
(News Paper published in Daily Dawn on 13-03-2014, Daily Express on 13-03-2014 & Daily Ibrat 13-03-2014
6. Total Bid documents Sold: **04 Nos.**
7. Total Bids Received: **03 Nos.**
8. Technical Bid Opening date: (if applicable) N/A
9. No. of Bid technically qualified (if applicable): N/A
10. Bid(s) Rejected: **Nil**
11. Financial Bid Opening date: **08-04-2014**

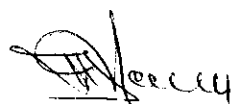
12. Bid Evaluation Report:

Estimated Cost: **Rs. 1,1064,299.33**

S No	Name of Firm or Bidder	Cost offered by the Bidder	Ranking in terms of cost	Comparison with Estimated cost Above/ Below	Reasons for acceptance/ rejection	Remarks
0	1	2	3	4	5	6
1.	M/s Gul Traders, Hyderabad.	Rs. 11,011,296.00	1 st	-0.48% (Below)	Acceptable due to 1 st lowest.	
2.	M/s Muhammad Najib & Sons, Hyderabad.	Rs. 11,542,511.27	2 nd	4.32% (Above)	2 nd Lowest	
3.	M/s Pakistan Electric Works, Karachi.	Rs. 11,891,797.00	3 rd	7.48% (Above)	3 rd Lowest	


(Engr Aftab Ahmed Raza)
Executive Engineer (Works)
MUET, Jamshoro


(Engr. Munir A. Shaikh)
Director Finance
MUET, Jamshoro


(Qamar-ul-Hassan Memon)
Project Director
(University of Sindh)



MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY,

JAMSHORO, SINDH, PAKISTAN.

Tel: Off: +92-222-771212, Fax: +92-222-771403



*Executive Engineer
(Works)*

No. XEN(Works)/MUET/JAM/2014/-33,
Dated: 10-04-2014

1. **M/s Shams Builders & Developers,
Hyderabad.**
2. **M/s Rehman Builders,
Hyderabad.**
3. **M/s Iqbal Malik & Co.,
Kotri.**
4. **M/s Pakistan Electric Works,
Hyderabad.**

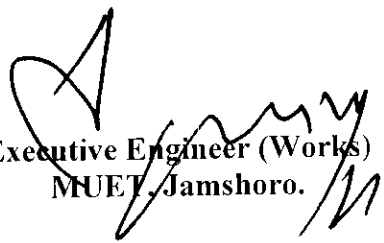
Subject: **BID EVALUATION REPORT SHOWING THE RANKING OF BID FOR THE WORKS "ESTABLISHMENT OF INNOVATION & ENTREPRENEURSHIP CENTRE (IEC) – AN EXTENSION OF MEHRAN UNIVERSITY INSTITUTE OF SCIENCE, TECHNOLOGY AND DEVELOPMENT (MUISTD), JAMSHORO".**

Ref:

Gentlemen,

The office of the undersigned has prepared the Bid Evaluation Report as attached showing the ranking of Bid Documents quoted by you for the above subjected works.

This is for your kind information and if any objection by you, please submit your complaint within 07 days, after that it is presumed that you have no any objection and work order issued to the lowest bidder.


Executive Engineer (Works)
MUET, Jamshoro.



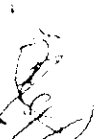
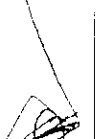
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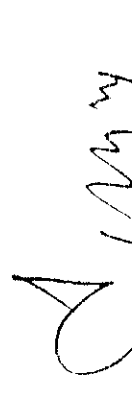
1. Director (Works & Services), MUET, Jamshoro.
2. Director Finance, MUET, Jamshoro
3. Additional Director, ICPC, MUET, Jamshoro. (for up-loading on Web-Site).
- ✓ 4. Director (A&F), Govt. of Sindh, Sindh Public Procurement Regulatory Authority, (SPPRA), Karachi. (for uploading on SPPRA Web-Site).
5. Secretary to the Vice Chancellor, MUET, Jamshoro.


ATTENDANCE SHEET


Name of work: ESTABLISHMENT OF INNOVATION & ENTREPRENEURSHIP CENTRE (IEC) - AN EXTENSION OF MEHIRAN UNIVERSITY INSTITUTE OF SCIENCE, TECHNOLOGY AND DEVELOPMENT (MUISTD), JAMSHORO.

OPENED ON 08-04-2014

S.NO.	NAME OF CONTRACTOR	ESTIMATED COST	TENDERED COST	SIGNATURE OF CONTRACTOR	REMARKS
1.	M/s Iqbal Malik & Co., Kotri.		Rs. 29258538.34		UBL, Kotri Amt Rs. 6000000 -- CO No. 1912010 Date: 08-04-2014 Atwood Bank, Hyd Amt Rs. 5980000 -- CO No. 10189482 Date: 07-04-2014
2.	M/s Pakistan Electric Works.		Rs. 30309772.00		UBL, Kotri
3.	M/s Rehman Builders, Kotri.	29.805 (M)	Rs. 25874319.00		Amt Rs. 2000000 -- CO No. S361835 Date: 08-04-2014
4.	M/s Shams Builders & Developers Engineers & Contractor, Hyderabad.		Rs. 25235737.05		First Women Park Bldg, Hyd Amt Rs. 6000000 -- CO No. 0301982 Date: 08-04-2014
5.	M/s Gul Traders, Hyderabad.		---	Absent	---


Engr. Aftab Ahmed Rajpuri
Executive Engineer (Works)
MUEI, Jamshoro

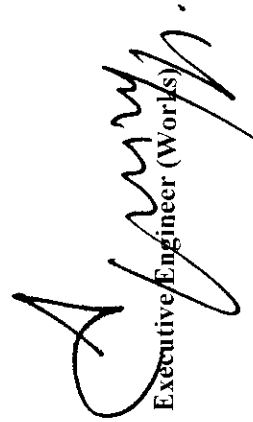

Engr. Muneer A. Shaikh
Director Finance
MUEI, Jamshoro


Engr. Qamar-ul-Hassan Memon
Project Director
University of Sindh

COMPARATIVE STATEMENT

NAME OF WORK: ESTABLISHMENT OF INNOVATION & ENTREPRENEURSHIP CENTRE (IEC) - AN EXTENSION OF MEHRAN UNIVERSITY INSTITUTE OF SCIENCE, TECHNOLOGY AND DEVELOPMENT (MUISTD), JAMSHORO.

S.#	NAME OF CONTRACTOR/ FIRM/ COMPANY	ESTIMATED COST IN RS.	CONTRACTORS QUOTED BID AMOUNT	MATHEMATICALLY CORRECT BID AMOUNT	% ABOVE/BELOW ESTIMATED COST	RANK
1	M/s Shams Builders & Developers, Hyderabad.	29,804,978.91	25,235,737.75	25,254,081.00	-15.269 Below	1st Lowest
2	M/s Rehman Builders, Hyderabad.	29,804,978.91	25,874,319.00	26,824,319.12	-10.001 Below	2nd Lowest
3	M/s Iqbal Malik & Co., Kotri.	29,804,978.91	29,258,538.39	29,258,538.39	-1.833 Below	3rd Lowest
4	M/s Pakistan Electric Works, Hyderabad.	29,804,978.91	30,309,722.00	30,309,722.00	1.693 Above	4th Lowest


Executive Engineer (Works)


Accounts Officer

4.

Bid Evaluation Report

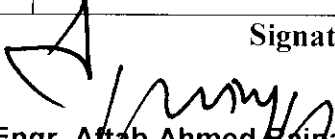
1. Name of Procuring Agency: Mehran University of Engineering & Technology, Jamshoro.
2. Tender Reference No: DIR(W&S)/MUET/JAM-55, dated: 11-03-2014
3. Tender Description/Name of work/item: ESTABLISHMENT OF INNOVATION & ENTREPRENEURSHIP CENTRE (IEC) – AN EXTENSION OF MEHRAN UNIVERSITY INSTITUTE OF SCIENCE, TECHNOLOGY AND DEVELOPMENT (MUISTD), JAMSHORO.
4. Method of Procurement: Domestic/ Local.
5. Tender Published: MUET Web Site on 14-03-2014 & SPPRA Web Site on 13-03-2014.
Print & Electronic Media (SPPRA ID No.19339, dated: 13-03-2014 & News papers "Daily Dawn" on 13-03-2014, "Daily Express" on 13-03-2014 & "Daily Ibrat" on 13-03-14)
6. Total Bid documents Sold:- 05 Nos.
7. Total Bids Received: 04 Nos.
8. Technical Bid Opening date: (if applicable) Not Applicable (Provide details in separate form)
9. No. of Bid technically qualified (if applicable): Not Applicable.
10. Bid(s) Rejected: Nil.
11. Financial Bid Opening date: 08-04-2014.

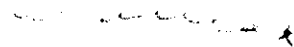
12. Bid Evaluation Report:

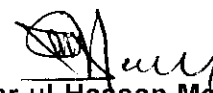
13. Estimated Cost:- Rs.29,804,978.91

S No	Name of Firm or Bidder	Cost offered by the Bidder	Ranking in terms of cost	Comparison with Estimated cost	Reasons for acceptance/rejection	Remarks
0	1	2	3	4	5	6
1.	M/s Shams Builders & Developers.	25,254,081.00	1 st	-15.269% Below	Acceptable due to 1 st lowest.	
2.	M/s Rehman Builders.	26,824,319.12	2 nd	-10.001% Below	2 nd Lowest	
3.	M/s Iqbal Malik & Co.	29,258,538.39	3 rd	-1.833% Below	3 rd Lowest	
4.	M/s Pakistan Electric Works.	30,309,722.00	4 th	1.693% Above	4 th Lowest	

Signatures of the Members of the Committee.


Engr. Aftab Ahmed Rajpar
Executive Engineer (Works)
MUET, Jamshoro


Engr. Munir A. Shaikh
Director Finance
MUET, Jamshoro


Engr. Qamar-ul-Hassan Memon
Project Director
(University of Sindh)