

ST SILICON TECHNOLOGIES

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ST Ref #: IBA/0974/08/SB
GST # 12-00-8500-278-64

August 21, 2014
NTN # 0904623-2

INSTITUTE OF BUSINESS ADMINISTRATION
ICT Procurement & Customer Support Department
Karachi University, University Road,
Karachi

Tel: 021-99261506

Tender # IT / 69 / 2014-15

Attn. Head of ICT

FINANCIAL PROPOSAL (ORIGINAL)

Proposal for Establishment of IBA Main Campus Server Room on Turnkey Basis (IT / Electrical / HVAC / Fire Detection / CCTV)

Dear Sir,

Reference to your tender documents on the subject, we are pleased to enclose our proposal accordingly and are confident that you will find it in full conformity with your requirements.

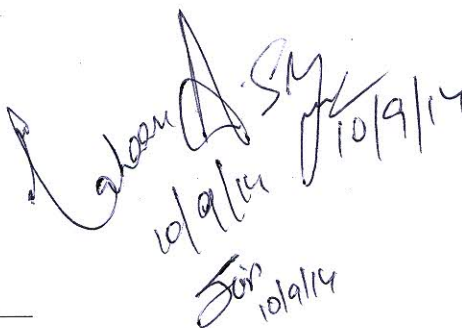
However, you may wish to further discuss the specifications and special features of the equipment offered to you, please feel free to contact us in this regard.

We look forward to provide you the equipment of your choice, we remain.

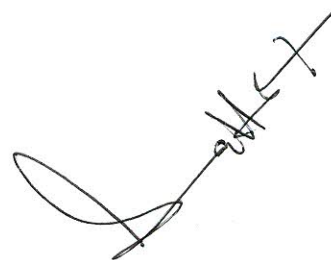
Sincerely,
Silicon Technologies.



Shoaib Khan
Account Manager (Corporate)
0321-8755346
shoaib.khan@silicon.net.pk



10/9/14
10/9/14



Syed Sadaf Hashmi
Sales Manager
0321-2558544
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PROPOSAL FOR INSTITUTE OF BUSINESS ADMINISTRATION

Item No	Description	Unit	Qty	Material Unit Rate (Rs)	Total Material Cost	Installation Cost	Total Amount (PKR)
	E. ELECTRICAL WORKS						
	Supply, installation, testing and commissioning of the following items of work (unless specifically, stated otherwise) including all material, labor, tools, plant, accessories, related civil works, etc., required for proper completion of each item as per specifications (Section - 8001 "General Specifications for Electrical Works" shall be applicable to all BOO items).						
	LT SWITCHBOARDS						
	Ref. Spec. Sec. 8132, 8133, 8212, 8240						
1E	Pedestal type LT Switchboard MDB (as per single line diagram shown on drawings) and all control wiring, pedestal mounting arrangement, foundation, related civil works and all accessories, etc. complete in all respect:	Job	1	550,000	550,000	30,000	580,000
	L.T DISTRIBUTION BOARDS Ref. Spec. Sec. 8133, 8212, 8240						
2E	Following LT Distribution Boards (as per single line diagrams shown on drawings), recessed/surface mounted including all accessories, related civil works etc. complete in all respect.						
	a) LDB	Job	1	60,000	60,000	8,000	68,000
	b) UDB (IN PUT)	Job	1	75,000	75,000	8,000	83,000
	c) UDB (OUT PUT)	Job	1	175,000	175,000	8,000	183,000
	LIGHT FIXTURES						
	Ref. Spec. Sec. 8150, 8212, 8240						
3E	Following lighting fixtures with fluorescent or compact fluorescent or incandescent or high intensity discharge lamps, installed on surface / recessed or columns / masts complete with ail., accessories such as lamps, lamp holders, ballasts, starters, igniters, capacitors, brackets, etc. as applicable, including all relevant installation material as stated in drawing and approved by the Engineer.						

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7E	Same as above item 6E but wiring from point to point.	No.	10	800	8,000	4,000	12,000
8E	Wiring of 13A, 250 volts, 3 flat pin, switch socket outlet, 16A, 250 volts, 2 pin+earth, Schuko socket outlet, 13A spur outlets with following size single core, copper conductor, PVC cable complete with appropriate size concealed PVC conduit and all accessories etc., complete in all respects.						
	a) From Distribution Board (DB) to outlet (including looping inside the box for 13A, 250 volts, 3 flat pin, switch socket outlet on the same circuit), with 3(1x4.0 sq.mm) cable	No.	15	5,000	75,000	12,500	87,500
	b) From outlet to outlet with 3(1x2.5 sq.mm) cable.	No.	26	2,800	72,800	20,000	92,800
9E	Wiring from Distribution Board (DB) to 13A, 250 volts, 3 flat pin, switch socket outlet, 16A, 250 volts, 2 pin+earth, Schuko socket outlet for floor/wall outlet box with 3 core 4 sq.mm PVC/PVC cable including looping inside the box for 13A, 250 volts, 3 flat pin, switch socket outlet on the same circuit, in already laid under floor cable tray, complete in all respects	No.	8	3,000	24,000	15,000	39,000
10E	Same as above item 9E but wiring from socket outlet box to socket outlet box	No.	8	2,500	20,000	15,000	35,000
11E	Wiring of 32A, 250 Volts, 1-phase, 3 pin industrial socket outlet from distribution board with 3 core 6 sq.mm PVC/PVC cable in already installed cable tray and including all accessories etc. complete in all respects.	No.	14	2,500	35,000	12,500	47,500
12E	Wiring of 63A, 250 Volts, 1-phase, 3 pin industrial socket outlet from distribution board with 3 core 16 sq.mm PVC/PVC cable in already installed cable tray and including all accessories etc. complete in all respects.	No.	2	2,500	5,000	3,000	8,000
13E	Wiring of 63A, 500 Volts, 3-phase, 5 pin industrial socket outlet from distribution board with 4 core 16 sq.mm PVC/PVC + 1 core 16 sq. mm PVC cable as earth continuity conductor in already installed cable tray and including all accessories etc. complete in all respects.	No.	4	5,000	20,000	7,500	27,500
14E	Wiring from distribution board (DB) to 16Amps, SP&N 250 Volt load break switch with 3(1x4.0 sqmm) single core copper conductor, PVC cable in and including appropriate size surface/concealed PVC conduit including all accessories etc. complete in all respects	No.	11	12,500	137,500	17,500	155,000
15E	Wiring from distribution board (DB) to 25Amps, SP&N 250 Volt load break switch with 3(1x6.0 sqmm) single core copper conductor, PVC cable in and including appropriate size surface/concealed PVC conduit including all accessories etc. complete in all respects.	No.	4	14,500	58,000	7,500	65,500

Kingston Lenovo Microsoft HP EMERSON eset hp Networking TANDBERG DATA

Handwritten signatures and dates:
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16E	Wiring from distribution board (DB) to 25Amps, TP&N 500 Volt load break switch with 5(1x6.0 sqmm) single core copper conductor, PVC cable in and including appropriate size surface/concealed PVC conduit including all accessories etc. complete in all respects	No.	2	15,000	30,000	6,500	36,500
	<u>WIRING ACCESSORIES</u> Ref. Spec. Sec. 8220						
17E	13 Amp, 250 Volt, 3 flat pin, switch socket outlet in already installed wall/floor box and all accessories. (SIMPLEX)	No.	46	450	20,700	4,500	25,200
18E	16 Amp, 250 Volt, 2 pin + earth, Schuko socket outlet in already installed wall/floor box and all accessories.	No.	23	425	9,775	3,000	12,775
19E	13 Amps, 250 Volts, 1 phase spur outlet with sheet steel back box and all accessories.	No.	10	800	8,000	1,500	9,500
20E	32 Amps, 250 Volt, 3 pin, 1-phase industrial socket outlet with sheet steel back box and all accessories.	No.	14	1,375	19,250	10,080	29,330
21E	63 Amps, 250 Volt, 3 pin, 1-phase industrial socket outlet with sheet steel back box and all accessories	No.	2	3,720	7,440	2,400	9,840
22E	63 Amps, 500 Volt, 5 pin, 3-phase industrial socket outlet with sheet steel back box and all accessories.	No.	4	4,080	16,320	4,800	21,120
	<u>MISCELLANEOUS ITEMS</u> Ref. Spec. Sec. 8290						
26E	Following sizes of perforated G.I. sheet cable trays including joints bend, mounting brackets, earthing braid at each joint, hanger complete with all accessories, as required.						
	a) 150 mm x 50 mm	Rft	60	348	20,880	7,200	28,080
	b) 300 mm x 75 mm	Rft	210	510	107,100	12,600	119,700
27E	Following rating SP&N/TP&N load break switches AC-3 duty in sheet metal enclosure of the following rating:						
	a) 16 Amp, SP&N	No.	11	2,160	23,760	6,600	30,360
	b) 25 Amp, SP&N	No.	4	2,160	8,640	2,400	11,040
	c) 25 Amp, TP&N	No.	2	2,520	5,040	1,200	6,240
28E	Floor/wall outlet box suitable with provision for 2 No. 13A, switch socket outlet, 1 No. 16A, Schuko socket outlet and 2 No. Duplex Cat-6, UTP Giga Speed, RJ-45 socket outlet.	No.	23	1,200	27,600	8,280	35,880

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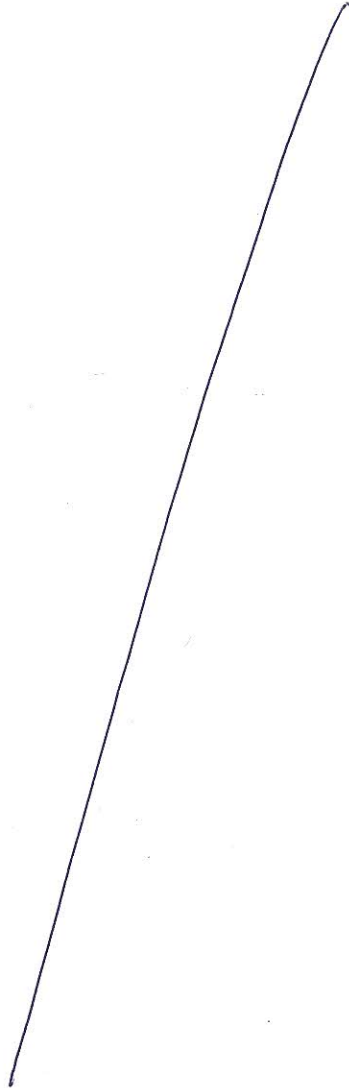
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STRUCTURED CABLING NETWORK							
Ref. Spec. Sec. 8212,8230,8240,8290,8312							
29E	Wiring of telecommunication outlet point from RJ45 socket outlet upto existing MDA racks with Cat 6 UTP LSZH Giga speed cable in already installed G.I conduit / cable trucking.	No.	88	3,150	277,200	52,800	330,000
	a) 3/4 inch	Rft	250	19	4,750	2,100	6,850
	b) 1 inch	Rft	40	21	840	336	1,176
	c) 1- 1/2 inch	Rft	70	36	2,520	672	3,192
30E	Two port RJ45 telecommunication outlet with face plate including all installation accessories in already installed floor / wall outlet box.	No.	44	1,079	47,476	26,400	73,876
31E	Following type Cat 6 UTP Giga Speed Patch Cord with RJ45 Connector at both ends.						
	a) 1 meter (3 ft.) long	No.	88	372	32,736	3,168	35,904
	b) 3 meter (10 ft.) long	No.	88	420	36,960	3,168	40,128
32E	24 port Cat-6 UTP Giga Speed modular loaded (RJ45) jack patch panel installed in floor mounted cabinet including built-in rear cable management with all installation & mounting accessories.	No.	4	15,000	60,000	4,800	64,800
33E	19" rack mounted front cable management with all installation & mounting accessories.	No.	4	1,200	4,800	1,440	6,240
Electronic Door Access Control System. (ID Teck - Korea)							
Supply & installation of following items including all wiring and accessories for Door Access Control System as part description given below and shown in schematic drawings. The access control system shall be integrated with the fire alarm. All interfacing modules and cards be part of the system.							
Door Access Controller suitable to control four access control readers and two Doors, The Controller shall be suitable to communicate with the LAN on TCP/IP, using a built in port or by adding additional interface at the controllerend. The Controller shall be capable ti run smoothly even in case of any network diconnectivity. The controller can be places above false ceiling near the door or as per site conditions. All wiring to lock, readers etc. shall be localized at secured door. Complete in all respect as per the specifications with battery up for 24 hours. (Model No. ITDC)							
		No.	2	450,000	900,000	8,500	908,500

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Biometric Finger Scan Security Access Readers with built in proximity Card scan function. Capable to support min 500 users, store 10,000 transitions. Enclosed in weather proof surface mounted housing with LCD display. Generate visual and audible signal at the time of access for both valid entries. (RGR-007)	No.	4	150,000	600,000	10,000	610,000
ISO Standard, Credit Card size PVC proximity cards suitable for printing on both sides. Item includes designing and printing of cards as per client's requirements, card holders / neck ribbons etc. Complete as per the client's requirements. (IDC-80)	No.	10	850	8,500	800	9,300
<u>ELECTROMAGNETIC LOCKS / DOOR LOCKS</u>						
Electromagnetic / Magnetic door locks with magnetic door contacts for single door as shown in the drawings and schematic diagrams, including all mounting accessories, power supply adapters. (SOLA)	No.	4	12,960	51,840	4,800	56,640
Resettable Heavy duty emergency door release with metallic push button / switches to be installed at door frame lever with break glass including back box. (Imported)	No.	4	23,040	92,160	4,800	96,960
Programming, testing and commissioning of whole system as per the client requirement including training of client's representatives. Complete set of all manual shall be provide at the time of commissioning.	Job	1	-	-	180,000	180,000
<u>MANUAL OVER-RIDE SWITCHES</u>						
Manual over-ride key switches including back boxes, to release the door in case of any malfunctioning of system. (KDM-1101)	No.	4	1,380	5,520	1,200	6,720
<u>EXIT SWITCH</u>						
Exit Switch with metallic face plate and back box.	No.	3	3,600	10,800	1,800	12,600
<u>TESTING, COMMISSIONING & TRAINING</u>						
Control and Communication Wiring for Door Access Control System from Door Controller, Interface Module to Readers / MHL etc. in appropriate size of MS Conduit. Complete with all interconnections.	Job	1	-	-	72,000	72,000
<u>FIBER OPTIC CABLING SYSTEM</u>						
Supply & Installation offfield upgradable Intelligent ready Fiber Optic Tray Suitable for 19" rack mount with internal cable /fiber management and min of 2 cable entries Complete in all respect including Splice Tray/Blank Adaptor panel, equipped with 12 port duplex LC / G. aqua Intelligent ready cartridge with pre-terminated pigtailed.	No	4	30,000	120,000	18,000	138,000

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	supply and installation of 12 Core indoor / outdoor OM3 Fiber Cable confirming to minimum NEC OFCR-LS (ETL) AND C(ETL); IEC 6033203; IEC 60754-2 ; IEC 61034-2; IEEE 383 ; UL 1666 ; UL 1685; ANSI/ICEA S-104-696-2001; EN 187105; TELECORDIA GR-20-CORE ISSUE 3 AND TELECORDIA GR-409-CORE ISSUE 2	Meter	300	358	107,400	23,760	131,160
	Fiber Optic Duplex LC-LC OM3 Multimedia LSZH patch Cord						
	1 meter Long	No.	35	5,460	191,100	18,000	209,100
	3 meter Long	No.	35	5,940	207,900	18,000	225,900
	IP CCTV SYSTEM						
	Providing, installation, testing & commissioning of CCTV Cabling work including all material, tools, labor & accessories required for completion of work as per specifications, details & drawings. Complete in all respects.	Job	1	360,000	360,000	60,000	420,000
	INTELLIGENT ADDRESSABLE FIRE ALARM & FIRE SUPPRESSION SYSTEM						
	Ref Spec:" 8001,8212,8230,8290,8805						
36E	1" dia G.I surface conduit with all installation and mounting accessories	Rft	470	150	70,500	16,920	87,420
37E	Wiring of fire alarm & fire suppression system with 2 x 1.5 sq mm fire resistant (120 min) cable complying BS6387 & EN50200 in already installed G.I conduit.	Rft	470	70	32,900	9,000	41,900
38E	Intelligent Addressable Photo / Heat Combination sensor with base, built-in isolator module installed in room including all installation accessories	No.	20	13,968	279,360	12,000	291,360
39E	Intelligent Addressable Photo / Heat Combination sensor with base, built-in isolator module installed above false ceiling including all installation	No.	8	17,500	140,000	7,500	147,500
40E	Intelligent Addressable Photo / Heat combination sensor with base, built-in isolator module installed below false ceiling including all installation	No.	14	17,500	245,000	12,500	257,500
41E	Intelligent Addressable Flame Sensor with base, built-in isolator module installed in room including all installation accessories	No.	2	95,000	190,000	8,000	198,000
42E	Intelligent Manual Release Station with built-in monitor module & isolator module including all installation accessories	No.	11	Built In Panel			

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43E	Intelligent Manual Pull Station with built-in monitor & isolator module including all installation accessories	No.	3	12,500	37,500	3,000	40,500
44E	Abort Switch with built-in mini monitor module including all installation accessories	No.	11	9,000	99,000	8,000	107,000
45E	Zone Disable Switch with built-in mini monitor module including all installation accessories	No.	11	Built In Panel			
46E	Loop Powered Fire Alarm Sounder with supervisory control module including all installation and mounting accessories.	No.	11	12,500	137,500	10,000	147,500
47E	Loop Powered Fire Alarm sounder with Flasher including supervisory control module and all installation accessories	No.	11	16,500	181,500	10,000	191,500
48E	Remote Alarm LED for monitoring of smoke detector installed above false ceiling including all installation accessories	No.	8	4,000	32,000	7,500	39,500
50E	Agent Release Module including all installation accessories.	No.	11	Built In Panel			
51E	Low Pressure Switch with built-in monitor module including all installation accessories.	No.	11	35,000	385,000	10,000	395,000
52E	Discharge Pressure Switch with built-in monitor module including all installation accessories	No.	11	35,000	385,000	10,000	395,000
53E	1-Loop Intelligent Addressable Fire Alarm & Fire Suppression Control Panel with power supply, maintenance free batteries, battery charger etc. complete in all respect	No.	1	125,000	125,000	15,000	140,000
	CCTV System						
	Refer Spec. 8001,8230,8290, 8312						
54E	Wiring of camera for CCTV System up to existing MDA racks with Cat-6 UTP LSZH cable in already installed G.I conduit / cable trucking.	No.	11	3,600	39,600	6,600	46,200
55E	1" dia G.I surface conduit with all installation and mounting accessories	Rft	155	150	23,250	5,580	28,830
	ACCESS CONTROL SYSTEM						
	Refer Spec. 8001, 8230, 8290, 8312						
56E	Wiring of Access Controller & Reader of Access Control System up to existing MDA racks with Cat-6 UTP LSZH cable I manufacturer's recommended cable in already installed G.I conduit / cable	No.	17	4,000	68,000	15,000	83,000

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Peshawar : 306, 3rd Floor, Gul Haji Plaza, University Road, Ph: (091) 5843057-58, Fax: (091) 5843059, Email: salespes@silicon.net.pk
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57E	1" dia G.I surface conduit with all installation and mounting accessories.	Rft	370	150	55,500	13,320	68,820
	M. MECHANICAL WORKS						
	AUTO GAS FIRE SUPPRESSION SYSTEM (Novec 1230)						
	Design, supply, installation, testing and commissioning of Auto Gas Fire Suppression System Novec 1230 fire suppression system complete with cylinder assembly, cylinder manifold (where applicable), factory filled containers equipped with discharge valve, safety plug / burst disc, fill port, Impulse valve operator solenoid valve, low pressure supervisory switch, discharge pressure switch, liquid level indicator, pressure gauges, discharge nozzles, black steel schedule 40 piping network with accessories, painting & finishing and caution sign, performing room pressurization tests and coordination with general contractor for closure of opening / leakages and sealing of protected spaces complete as per specifications and drawings for following rooms:						
	d) Server Rooms - Dimensions (4.88 x 4.6 x 3.96) mtr.cube	Job	1	1,600,000	1,600,000	-	1,600,000
	h) UPS Room - Dimensions (3.96 x 3 x 3.96) mtr.cube	Job	1	1,500,000	1,500,000	-	1,500,000
	i) Battery Rom - Dimensions (3 x 3 x 4) mtr.cube	Job	1	1,050,000	1,050,000	-	1,050,000
	j) Electrical Room - Dimensions (2 x 2 x 4) mtr.cube	Job	1	900,000	900,000	-	900,000
	k) MDA Room - Dimensions (2 x 2 x 4) mtr.cube	Job	1	900,000	900,000	-	900,000
	HVAC System						
	Supply and installation of wall mounted split A/C complete with all respect including copper piping, Gas charging, control wiring etc. Brand: Acson, Malaysia. Pipe Length are as per site measurement. Capacity as follows:						
	a) 2 Ton -----	No.	4	125,000	500,000	18,000	518,000
	b) 1.5 Ton -----	No.	4	90,000	360,000	18,000	378,000
	c) 1 Ton -----	No.	4	82,000	328,000	18,000	346,000
	Supply and installation of Commercial Type Floor Standing remote condenser type units complete with Piping ducting and commissioning in all respect Capacity as follows: Capacity: 6 Ton ----- Pipe Length are as per site measurement.	No.	3	750,000	2,250,000	450,000	2,700,000

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Supply and installation of CC Foundation adjusting out wall of building for Condensing units,	No.	15	5,000	75,000	32,400	107,400
Supply and installation of De-humidifier. Floor standing package type unit	No.	1	150,000	150,000	12,000	162,000
Supply and installation of Electrical power wiring for all units. Complete with conduit, clamps etc. with all respect. For data room A/C = 10mm x 4 Core ----- For Split = A/C = 6mm x 2 Core -----	Job	1	250,000	250,000	60,000	310,000
Supply and installation of Exhaust Fan with filter and transvers louver	No.	2	3,500	7,000	1,500	8,500
Supply and installation of Upvc Drain Piping for All Unts with elastomeric foam insulation 3/8" thick. Pipe Size: 1" Dia-----	Rft	400	110	44,000	16,800	60,800
Testing, commissioning & balancing of complete job and hand over to user.	Job	1	-	-	40,000	40,000
Total Amount				17,664,792	1,661,524	19,326,316
GST (17%) and Provincial Sales Tax (PST) (15%) on Services				3,003,015	249,229	3,252,243
Total With GST & PST				20,667,807	1,910,753	22,578,559

SLA (Service Level Agreement)

1st Year SLA Charges	1- Year	1	1,300,000	1,300,000	-	1,300,000
2nd Year SLA Charges	1- Year	1	1,300,000	1,300,000	-	1,300,000
3rd Year SLA Charges	1- Year	1	1,600,000	1,600,000	-	1,600,000
4th Year SLA Charges	1- Year	1	1,600,000	1,600,000	-	1,600,000
5th Year SLA Charges	1- Year	1	2,000,000	2,000,000	-	2,000,000
Total Amount				7,800,000	-	7,800,000
Provincial Sales Tax (PST) (15%) on Services				1,170,000	-	1,170,000
Total With PST				8,970,000	-	8,970,000

Grand Total With GST & PST						31,548,559
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NOTE:

- Any additional work will be carried out extra cost.
- Above quantities are based on approximate length / point, however we will be raised our bill on the basis of actual work done at the stated rates.

TERMS & CONDITION:

Availability:

6-8 Weeks After Confirm Order

Validity:

90-Days. However prices mentioned in this quotation, are for your consumption only. These prices are based on current Import Policy, Custom Duty, Sales Tax Structure, Local Tax as levied by Government of Pakistan or any provincial government / body, exchange parity remained unchanged and any price change(s) as announced by the manufacturer/supplier. Any deviation will be on buyer's account.

Installation:

As Per Above BOQ

I. Tax Deduction:

Exempted as per SRO # 97(1)/2002 read with Circular No. 05 of 2002

Payment Term:

As per Tender Documents

Earnest Money:

P.O. No. **00467901** for **Rs. 1,600,000/-** drawn on Meezan Bank Limited, Payable at any MBL Branch



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Syed Sadaf Hashmi
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