

D718338

182
02-04-15 RS.39000/-

ADIB IMRAN STAMP VENDOR
Lahore Road, Shop 16, B1-14, Karm Plaza G.Iqbal, Karachi.

S. No.

Date 11 FEB 2015
ISSUED TO WITH ADDRESS Zohaib Ahmed Khan
THROUGH WITH ADDRESS Advocate
PURPOSE
NOT FOR USED BANK GUARANTY/WILL/DIVORCE
VENDOR NOT RESPONSIBLE ANY FAKE DOCUMENTATION

117161

AGREEMENT

THIS AGREEMENT is made at Karachi on 22 April, Two Thousand and Fifteen (2015).

BETWEEN

Institution of Business Administration, Karachi, an Institution duly incorporated and existing under the laws of Pakistan, having its Office at City Campus Garden/Kiyani Shaheed Road Karachi (hereinafter referred to as **IBA** which expression shall where the context so admits include its successors and assigns);

And

Silicon Technologies., having its registered Head Office at

Address: 77-E, Block-2, PECHS Ghazali Road,
Karachi, Pakistan.
T: +92 21 34548103-4
F: +92 21 34535382
E: info@silicon.net.pk

(Hereinafter referred to as "**Technology Partner**" which expression shall, where the context so permits, be deemed to mean and include its successors-in-interest and permitted assigns), through its duly authorized representative.

NOW THEREFORE in consideration of the mutual covenants hereinafter set out and for good and valuable consideration, the adequacy of which is hereby acknowledged, the Parties have agreed as under:

Note: Scope of Work (Annexure A), Bill of Quantity (Annexure B), LOA & Communications (Annexure C), Project Plan (Annexure D) & CAD Layout & Product Brands (Annexure E)

1 Scope of Service:

Silicon Technologies Partner will provide, supply and install Hardware, Software and one year maintenance and support services for the first from the signing of the UAT to 'IBA' to Establishment of Server Rooms at their Main Campus. These services will only be offered



to the hardware / software product listed in the BOQ of this project. If any discrepancies are found in terms of specification of hardware and services deployed during period of contract, IBA reserves the right to take necessary legal action against the Technology Partner. However any changes made in the design and the specifications of the items in the original BOQ will become a part of the contract.

Task to be completed under this agreement is strictly bound to the scope of work defined. This scope of work will be accomplished through the project time lines defined under Annexure-D. Technology partner will be responsible for the arrangement of complete hardware, software and accessories required for the complete establishment of the Server Room specifications given in the BGQ.

Major project Scope of Work and Deliverables will include;

Scope	Silicon Technologies	IBA
Assignment Of Project Team (As per BOQ & Layout)	*	*
Permission From IBA For The Security Department To Access Site. (As per BOQ & Layout)		*
Electrical Power Cabling & Accessories (As per BOQ & Layout)	*	
Electrical Fixture & Accessories (As per BOQ & Layout)	*	
Copper & Fiber Cable With All Complete Accessories (As per BOQ & Layout)	*	
Cooling System Including Piping And Electrical Cabling (As per BOQ & Layout)	*	
Fire Alarm & Suppression System Excluding Gas & Cylinders (As per BOQ & Layout)	*	
Access Control System & Cabling Of CCTV (As per BOQ & Layout)	*	
PDU, Technology Box, Power Sockets & Switches Board (As per BOQ & Layout)	*	
Environmental Management Solution (As per BOQ & Layout)	*	
Anti-Static Tile (As per BOQ & Layout)	*	
Installation & Services & Civil Work (As per BOQ & Layout)	*	
Cable Tray (As per BOQ & Layout)	*	
Wiring For Lights (As per BOQ & Layout)	*	
Wiring For Utility Power Sockets (As per BOQ & Layout)	*	
Power Wiring For Door Access System (As per BOQ & Layout)	*	
Power Wiring For Fire Alarm / Suppression System (As per BOQ & Layout)	*	
Power Distribution (As per BOQ & Layout)	*	
ICT Equipment Grounding Bonding Solution (Connectivity Only) (As per BOQ & Layout)	*	
Testing, Commissioning & Tagging Of All Caballing Works (As per BOQ & Layout)	*	
Availability of the Temporary IT facility.		*
Availability of the finished space for new IT facility as per civil layout. (As per Layout)		*
Availability of the clear space & location for HVAC condenser & Water drain.		*
Repositioning of existing UPS.		*
Availability of down time for power connection, UPS and active equipment for new IT facility.		*
Availability of Earth (Grounding) in Electrical room.		*
Shifting, placement & startup of active equipment's		*
All type of data & power connectivity –Back End Resource		*
Power load balancing –Back End Resource		*
IT active equipment & UPS services.		*
Fire Suppression (NOVEC Gas & Cylinder)		*

Note: Scope of Work (Annexure A), Bill of Quantity (Annexure B), LOA & Communications (Annexure C), Project Plan (Annexure D) & CAD Layout (Annexure E)

Project Plan & Prerequisite:

The timelines which is mentioned in Annexure D will be depended on prerequisites (Annexure A) & Mobilization Advance.

1.1 Installation Site:

Technology Partner will provide services to the customer at the following site:



Signature

IBA,
Main Campus – University Road, Karachi.

1.2 Nature of the Contract:

ESTABLISHMENT OF SERVER ROOM AT IBA MAIN CAMPUS

1.3 Offices:

Technology Partner has its Head Office in **Karachi** and Branch Offices at Lahore, Islamabad & Peshawar.

1.4 Contract Price: (Mentioned in Pakistan Rupees)

Total price of contract is **Rs. 12,832,938/- (Inclusive of All Taxes)**

2 Payment Schedule:

1. 10% Mobilization advance against bank/insurance guarantee.
2. 70% as secured advance on delivery of the equipment; subject to the delivery at IBA Premises against Invoice.
3. 20% on Signing Off of the project.
4. 10% on all running bills to be retained for 12 months after acceptance.

Note: All the payments will be made in Pak Rupees

2.1 Payment Schedule of the Earnest Money:

The 100% payment of the submitted earnest money will be released at the time, when 90% payment (according to Clause 3) will be made.

Taxes and Duties

1. The supplier shall be responsible for the payment of all taxes, duties etc. incurred or accrued until the final delivery of the Goods or other obligations including services.
2. Any increase in the rate/amount of Govt. taxes or levy shall be to the cost of Technology Partner; however, for any decrease in taxes duties and levy, the IBA should get its benefit.
3. Withholding tax shall be deducted from the supplier invoices as per the prevailing rates.
4. For goods supplied from outside Pakistan, the Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside Pakistan.
5. For goods supplied from within Pakistan, the Supplier shall be entirely responsible for all taxes, duties, stamp duties, license fees, etc., incurred until delivery of the contracted Goods to the IBA.
6. If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in Pakistan, IBA shall use its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.
7. IBA is exempted from custom duties and sales taxes including general sales tax. IBA will furnish the required exemption certificates on demand.
8. Applicable withholding taxes, rates, duties, etc. shall be deducted from supplier payments.



Fin

3 REPRESENTATIONS, INDEMNITY and WARRANTY

Silicon Technology Partner hereby represents and warrants that all services hereunder shall be provided bona fide and with the best possible efforts available under any circumstances and as per the international industry standards.

Both parties hereby state that each shall indemnify the other for breach of this contract, whether in partial or whole, and the indemnifying party shall be liable for all direct damages and expenses arising from any negligent or willful act of the indemnifier. At no point shall such indemnification be deemed a waiver of other remedies available under relevant laws.

Technology Partner represents that the project and the terms agreed upon under this agreement shall function and operate with or without the involvement of any third party including.

1. The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
2. The Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in Pakistan.
3. The IBA shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. IBA shall afford all reasonable opportunity for the Supplier to inspect such defects.
4. Upon receipt of such notice, the Supplier shall, within the period specified in the contract clauses for Support services, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the IBA.
5. If having been notified, the Supplier fails to remedy the defect within the period specified in contract clauses for Support Services; IBA may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which IBA may have against the Supplier under the Contract.
6. All Hardware / equipment and software shall be supplied through verifiable distribution channels in Pakistan.

4 FORCE MAJEURE

1. For the purposes of the Agreement, "Force Majeure" means an event or circumstance which is beyond the reasonable control of a Party, and which makes a Party's performance of its obligations under this Agreement impossible, and includes, but is not limited to, Acts of GOD, war, riots, civil disorder, earthquake, fire, explosion, storm, flood, unauthorized digging by various agencies or other adverse weather conditions, strikes, export hold in the manufacturer's country, freight embargoes, lockouts or other industrial action.
2. Force Majeure shall not include:
 - a) An event, which is caused by the negligence or willful action of a Party or its subcontractor;
 - b) An event which a diligent Party could reasonably have been expected to:
 - (i) Have taken into account as at the Effective Date, or
 - (ii) Have avoided or overcome in the course of carrying out its obligations under this Agreement.
 - c) Force Majeure shall not include insufficiency of funds or circumstances arising from a failure to make any payment required by or under this Agreement.
3. The failure of a Party to fulfill any of its obligations under this Agreement shall not be considered to be a breach of, or a default under, this Agreement insofar as the inability arises from an event of Force Majeure, provided that the Party affected by that event has taken reasonable precautions, due care and attempted to put in place reasonable alternative arrangements all with the objective of carrying out the terms of this Agreement without delay.



Fin

4. Measures to be taken

A Party affected by an event of Force Majeure shall take all reasonable measures to remove its inability to fulfill its obligations under this Agreement with a minimum of delay and shall notify the other Party in writing of the event concerned as soon as possible, and in any event not later than 7 (seven) Days following the occurrence of the event concerned, and shall similarly give notice of the restoration of normal conditions as soon as possible. The Parties shall take all reasonable measures to minimize the consequences of any event of the Force Majeure.

5 Extension of time

Any period, within which a Party must, pursuant to this Agreement, complete any action or task, shall be extended Day-for-Day up to a period equal to the time during which that Party was unable to perform such action as a result of Force Majeure.

If at any time during performance of the Contract, the Supplier or its subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services the Supplier shall promptly notify IBA in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, IBA shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.

Except in case of Force Majeure a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to contract Clause, unless an extension of time is agreed upon by IBA in writing.

Equipment supplier may choose multiple channels locally with its principle or globally with different equipment providers or distributors to provide equipment on time with quoted prices.

6 Consultation

Not later than 30 (thirty) Days after a Party has become unable to perform a material portion of the Services as the result of an event of Force Majeure, the Parties shall consult with each other with a view to agreeing on appropriate measures to be taken in the circumstance.

7 CONFIDENTIALITY

- (a) The parties shall not, either during the term, or after the expiration of this Agreement, disclose any proprietary or confidential information relating to the Services, this Agreement, or business or operations without the prior written consent of the concerned party, unless such disclosure is required by law or regulation or such information has entered the contract domain other than by a breach of this Agreement. The parties agree that it will use its best efforts to ensure that its subcontractors and personnel are bound by and comply with the requirement of confidentiality set out in this clause.
- (b) The parties shall not, either during the term, or after the expiration of this Agreement, disclose any proprietary or confidential information relating any of the parties' Services, this Agreement, or business or operations without the prior written consent of the concerned party, unless such disclosure is required by law or regulation or such information has entered the contract domain other than by a breach of this Agreement. The parties agree that it will use its best efforts to ensure that its subcontractors and personnel are bound by and comply with the requirement of confidentiality set out in this clause.
- (c) Notwithstanding the provisions of the above paragraphs of this clause the Parties may require each other to sign a Confidentiality Agreement on a case-by-case basis before specific information can be made available

8 GOVERNING LAW

The Agreement shall be governed by the Laws of Islamic Republic of Pakistan and the Courts situated at Karachi shall have the jurisdiction.



9 NOTICES:

Any notice, request, instruction or other document to be given hereunder shall be delivered or sent by courier or by facsimile transmission (such facsimile transmission notice to be confirmed by courier posted within twelve (12) hours) to the address or to the facsimile number of the other Party set out hereunder:

For IBA:

Name : **Wajeeh Zaidi / Mansoor Ali / Mushtaque Ahmed**

Address : IBA City Campus,
Kiyani Shaheed Road, Garden, Karachi.

Fax No. : 021-99215528

For Silicon Technologies:

Name : **Syed Sadaf Hashmi / Abdul Wadood / Salman Raza / Shoaib Khan / Shoaib Hashmi**

Address : 77-E, Block-2, PECHS Ghazali Road,
Karachi, Pakistan.
T: +92 21 34548103-4
F: +92 21 34535382
E: info@silicon.net.pk

10 CONFLICT OF INTEREST

No director, employee, agent or any other tier of representative(s) of either party or its subcontractor shall give to or receive from any director, employee, agent or any other tier of representative(s) of the other party any commission, fee, rebate, or any gift or entertainment of significant cost or value in connection with the negotiation, settlement, finalization or performance of any agreement, or enter into any business arrangement with any director, employee or agent of the other party, without prior written notification thereof to that party. In case of disregard and/or violation the violating party shall promptly notify to the other party of any violation and/or any consideration received as a result of such violation. Additionally, if any violation has already occurred prior to the date of this Agreement resulting directly or indirectly in the consent of the other party to enter into this Agreement with the violating party, the other party may, at its/his sole option, terminate this Agreement at any time. Neither any party nor its employees, agents, subcontractors nor any other tier of representatives shall make any payment or give anything of significant value to any official of any government or public international organization, including any officer or employee of any government department or agency to influence his or its decision, or to gain any other advantage for the other party in connection with the performance of this Agreement. In case of violation the violating party shall immediately notify to the other party of any such violation and shall immediately reimburse the other party out of any or all monies paid by the other party to the violating party, an amount equal to the amount of the payment or the value of gift to the government official which gives rise to such violation. Each party shall defend and indemnify the other party from and against all losses and expenses arising from and/or due to such violation. In the event of any violation each party may also, at its sole option, terminate this Agreement at any time.

11 RECORD RETENTION AND RIGHT TO AUDIT:

IBA shall ensure that it and its Representatives maintain true and correct records in connection with the services to be performance/goods to be supplied under the Agreement and all related transactions and retain all such records for at least 12 months after termination of this Agreement for any reason to audit any and all records of IBA and its Representative for the purpose of determining whether there has been compliance with the this Agreement.



Signature

12 REGULATORY COMPLIANCE

12.1 Both parties

The parties acknowledge and agree that both shall comply with all the international and national laws that are applicable to the parties under this agreement and shall indemnify the other party of all the losses, damages and other expenses incurred by Technology Partner due to the breach of such compliance

12.2 Changes in Law and Regulations

In the event of any change in Law, Regulation or Policy, which is prejudicial to the business interest of the parties involved, the parties shall have the right to terminate this agreement without further liabilities.

13 Corrupt Practices

IBA as well as Bidders, Suppliers, Contractors, subcontractors, Architects and Consultants, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this Contract, the IBA:

- 13.1 Defines, for the purposes of this provision, the terms set forth below as follows:
“corrupt practice” means the offering, giving, receiving, or soliciting of anything of value to influence the action of a official in the procurement process or in contract execution; and “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the IBA, and includes collusive practices among Bidders (prior to or after bid submission) designed to establish bid prices at artificial, non-competitive levels and to deprive the borrower of the benefits of free and open competition; will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the Contract, will declare a firm ineligible, either indefinitely or for a stated period of time if it at any time IBA determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing Contract.
- 13.2 IBA will cancel the portion of a Contract for goods, works, or services if it at any time determines that corrupt or fraudulent practices were engaged by representatives of IBA or by Supplier during the procurement or the execution of contract.

14 Interpretation

- 14.1 Unless otherwise specified, the meaning of any trade term and the rights and obligations of parties there under shall be as prescribed by Incoterms.
- 14.2 The terms EXW, FOB, FCA, CIF, CIP, and other similar terms, when used, shall be governed by the rules prescribed in the current edition of Incoterms, published by the International Chamber of Commerce at the date of the Invitation for Bids.

15 Amendment

No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.

16 Non-waiver

- 16.1 No relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.



Tw

- 16.2 Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

17 Severability

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

18 Settlement of Disputes

- 18.1 The IBA and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

- 18.2 If the parties fail to resolve such a dispute or difference by mutual consultation within fourteen (14) days from the commencement of such consultation, either party may adopt the following formal mechanisms:

- 18.3 Adjudication:

- 18.4 Either party may move to the notification of Arbitration.

- 18.5 The Adjudicator shall give his or her decision in writing to both parties within twenty-eight (28) days of a dispute being referred to the Adjudicator. If the Adjudicator has done so, and no notice of intention to commence arbitration has been given by either IBA or the Supplier within fifty-six (56) days of such reference, the decision shall become final and binding upon IBA and the Supplier. Any decision that has become final and binding shall be implemented by the parties forthwith.

- 18.6 The Adjudicator shall be paid an hourly fee plus reasonable expenditures incurred in the execution of duties as Adjudicator, and these costs shall be divided equally between the IBA and the Supplier.

- 18.7 Should the Adjudicator resign or die, or should IBA and the Supplier agree that the Adjudicator is not fulfilling his or her functions in accordance with the provisions of the Contract; a new Adjudicator shall be jointly appointed by IBA and the Supplier. Failing agreement between the two within twenty-eight (28) days, the new Adjudicator shall be appointed at the request of either party or by the IBA, or if no Adjudicator can be appointed the Contract shall from this point onward and until the parties may otherwise agree on an Adjudicator or an Appointing Authority, be implemented as if there is no Adjudicator.

- 18.8 If either IBA or the Supplier is dissatisfied with the Adjudicator's decision, or if the Adjudicator fails to give a decision within twenty-eight (28) days of a dispute being referred to him or her or if both parties are unable to appoint the new adjudicator, then either the IBA or the Supplier may, within fifty-six (56) days of such reference, give notice to the other party, with a copy for information to the Adjudicator, of its intention to commence arbitration, as provided below, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.

- 18.9 Any dispute, in respect of which a notice of intention to commence Arbitration has been given, shall be finally settled by Arbitration. Arbitration may be commenced prior to or after delivery or Installation of goods or system.

- 18.10 Notwithstanding any reference to the Adjudicator or arbitration:

- 18.11 (a) The parties shall continue to perform their respective obligations under the Contract unless they otherwise agree;

- 18.12 (b) IBA shall pay the Supplier any monies due the Supplier.

- 18.13 Other rules of procedure for arbitration proceedings are:



18.14 The arbitration shall be conducted in accordance with the rules of procedure set forth in the Pakistan Arbitration Act 1940 subsequently amended: Each party shall nominate one Arbitrator. The two Arbitrators shall initiate arbitration proceedings at Karachi. In case the two arbitrators do not reach any agreement, a third Arbitrator shall be selected by the two Arbitrators. If two Arbitrators cannot reach an agreement on the nomination of the 3rd arbitrator, then the third arbitrator will be nominated by the Chairman HEC. The award of the majority of the arbitrators shall be final and binding on both parties. Each party shall bear the cost of its own Arbitrator and the cost of the third Arbitrator shall be borne equally by both parties. In the event of an arbitrator resigning or becoming incapable or unable to act, the party nominating such arbitrator shall be entitled to appoint another in the place of the outgoing Arbitrator. Proceedings shall continue without recommencing as if such Arbitrator had been originally nominated. The Chairman of the HEC shall nominate an arbitrator for a party, who fails to do so.

19 Subcontracting

The Supplier shall notify the IBA in writing of all subcontracts awarded under the Contract if not already specified in the bid. Subcontracting shall in no event relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.

20 Specifications and Standards

Technical Specifications and Drawings

- 20.1 The Supplier shall ensure that the Goods and Related Services comply with technical specifications and other provisions of the Contract.
- 20.2 The Goods and Related Services supplied under this contract shall conform to the Standard Bidding document mentioned in Annexure A, Schedule of Requirements and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the goods and country of origin.
- 20.3 Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the IBA.

21 Packing and Documents

The Supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.

The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements and in any other instructions ordered by the IBA.

22 Insurance

Before the delivery of the items to Silicon is fully responsible about the insurance of the equipment. After the delivery of the ordered equipment no insurance will be applicable.



23 Inspections and Tests

The Supplier shall at its own expense and at no cost to the IBA carry out all such tests and/or inspections of the Goods and Related Services as are specified in the Schedule of Requirements.

The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at the Goods' final destination, or in another place in Pakistan, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance.

The IBA or its designated representative shall be entitled to attend the tests and/or inspections, provided that the IBA bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.

Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the IBA. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the IBA or its designated representative to attend the test and/or inspection.

The IBA may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impede the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.

The Supplier shall provide the IBA with a report of the results of any such test and/or inspection.

The IBA may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the IBA, and shall repeat the test and/or inspection, at no cost to the IBA.

The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the IBA or its representative, nor the issue of any report pursuant to shall release the Supplier from any warranties or other obligations under the Contract.

24 OEM Relationships 1

The Supplier should be an authorized business partner from the ORIGINAL EQUIPMENT MANUFACTURER (OEM), for the proposed hardware, software, networking components and other related services in Pakistan. Duly completed Manufacturer Authorization certificate should be provided as part of the Contract within 14 days from the date of the notice notification of the contract award otherwise contract will be terminated. Sample is of the Manufacturer Authorization certificate is attached with this contract.

25 Patent Indemnity

The Supplier shall indemnify and hold harmless IBA and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which IBA may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

the installation of the Goods by the Supplier or the use of the Goods in Pakistan where the Site is located; and the sale in any country of the outputs by the Goods.



A handwritten signature in black ink, appearing to be "Jai".

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Supplier, pursuant to the Contract.

If any proceedings are brought or any claim is made against IBA arising out of the matters referred to in paragraph 1 of this clause, IBA shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in IBA's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claims.

If the Supplier fails to notify IBA within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then IBA shall be free to conduct the same on its own behalf.

IBA shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.

IBA shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of IBA.

26 Change Orders and Contract Amendments

Consultants/Project Managers may at any time order the Supplier through notice to make changes within the scope of the Contract in any one or more of the following:

26.1 drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured, assembled or installed for IBA; the method of shipment or packing; the place of delivery; and the Related Services to be provided by the Supplier.

26.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Supplier's receipt of IBA's change order.

26.3 Prices to be charged by the Supplier for any Related Services and change of product that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

27 Termination

Termination for Default

27.1 IBA, without prejudice to any other remedy for breach of Contract, by notice of default sent to the Supplier, may terminate the Contract in whole or in part: if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by IBA; or if the Supplier fails to perform any other obligation under the Contract.

27.2 In the event IBA terminates the Contract in whole or in part IBA may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to IBA for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.



27.3 if the Supplier, in the judgment of IBA has engaged in corrupt or fraudulent practices as mentioned in this contract in competing for or in executing the Contract.

27.4 Termination for Insolvency IBA may at any time terminate the Contract by giving notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to IBA.

27.5 Termination for Convenience IBA, by notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for IBA's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

27.6 The Goods that are complete and ready for shipment within fourteen (14) days after the Supplier's receipt of notice of termination shall be accepted by IBA at the Contract terms and prices. For the remaining Goods, IBA may elect to have any portion completed and delivered at the Contract terms and prices; and/or to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.

28 Integrity Pack

Supplier and IBA agree to sign and abide by the terms of the Integrity Pack Certificate. Specimen is provided to supplier and supplier agrees to contents.

29 Assignment

Neither IBA nor the Supplier shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.

IN WITNESS WHEREOF the parties hereto have set their respective hands on the day and year first above written.

Notices:

Project Director

Project Manager

For and on Behalf of IBA Karachi

For and on Behalf of Technology Partner

Name: Imran Batool

Name: MOBEEN UL HAQ

Designation: Head of IT

Designation: DIRECTOR SALES & MARKETING

Witnesses-1:

Witnesses-2:

1) Signature

2) Signature

Name: Syed M. Wajeeh

Name: WAJAHAT ULLAH KHAN

Address: IBA City Campus, Kapani
Shaheed Road Garden - KHI

Address: 77-E, BLOCK-2, PECHS,
GHARALI ROAD, KARACHI.

PENALTY: Penalty at the rate of 2% per month of the total Contract Amount will be imposed on delayed delivery or work upto 10% of the total Contract Value.



ANNEXURE 'A'

Institute of business administration

Data center Infrastructure ENHANCEMENT

Project Scope

Overview

Project Background and Description

This project is currently dealing with Data Center Infrastructure. Institute of Business Administration is looking to enhance their current infrastructure with the latest technologies where data center physical construction is being considered an optimum approach for moving towards attaining that.

Project Scope

That project Silicon Technologies will be supplies, installation and implementation of Data Center Infrastructure Construction at ground floor. We will be supplies and deploy Electrical Solution, HVAC Solution, EMS Solution & Fire Suppression Solution etc. with installation & Services.

High-Level Requirements

The new system must include the following:

S.NO	DESCRIPTION
1	ELECTRICAL & OTHER WORK
a	POWER DISTRIBUTION
b	CABLING
c	PDU, TECHNOLOGY BOX, POWER SOCKETS & SWITCHES BOARD
d	ACCESS CONTROL
e	CABLE TRAY
f	ANTI-STATIC TILE
g	LIGHTS
2	HVAC
3	ENVIRONMENTAL MANAGEMENT SOLUTION
4	FIBER CONNECTIVITY FOR SERVER ROOM
5	FM-200 SUPPRESSION SYSTEM excluding Cylinder & Gas (NOVEC 1230)
6	INSTALLATION & SERVICES & CIVIL WORKS
a	Electrical Works
b	HVAC
c	EMS
d	Fiber Connectivity
e	SUPPRESSION SYSTEM FOR DATA CENTER
f	CIVIL WORKS

Implementation Plan

The implementation methodology document (MS Project Plan) is attached for consideration.

Specific Exclusions from Scope

- Power Supply (K-Electric Power Supply & Self Generation Utility)
- Earth (Grounding).
- All type of permission and security.
- Power load (Watt or KW).
- Earthquake protection.
- Lightning protection.
- Flood protection.
- Fire Protection.
- Repairing, Maintenance, Backup, Redundancy & Disaster Recovery.



Signature

Deliverables from Institute of Business Administration

- Availability of the Temporary IT facility.
- Availability of the finished space for new IT facility as per civil layout.
- Availability of the clear space for HVAC condenser.
- Availability of the location for HVAC Condenser & Water drain.
- Repositioning of existing UPS.
- Availability of down time for power connection, UPS and active equipment for new IT facility.
- Availability of Earth (Grounding) in Electrical room.

Items not supported by Silicon Technologies

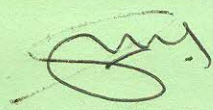


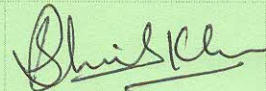

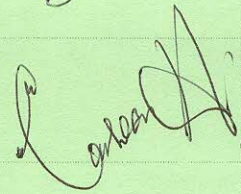
- Shifting, placement & startup of active equipment's
- All type of data & power connectivity
- Power load balancing.
- IT active equipment & UPS services.
- Fire Suppression (FM-200 Gas).
NOVEL 1230

High-Level Timeline/Schedule

The timeline for the complete deployment of the solution has some dependencies with respect to availability of resources and infrastructure from Institute of Business Administration. With the availability of the requirements, the project timeframe would be an approximate of **19 weeks (tentative)** excluding the time taken by Institute of Business Administration for testing the infrastructure.

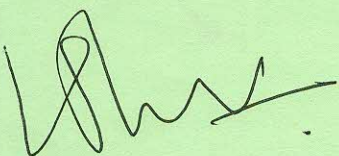
Approval and Authority to Proceed

We approve the project as described above, and authorize the team to proceed.

Name	Title	Signature
SHOAIB HASHMI	Product Specialist (Data Centre & Power)	
SALMAN RAZA	Assistant Manager Infrastructure (Project Lead)	
Abdul Wadood	Project Consultant Data Center & Network	
Shoaib Khan	Account Manager	
Syed Muhammad Wajeeh Zaidi	Manager IT	
Mansoor Ali	Network Manager	
Mushtaque Ahmed	Manager Operations & Maintenance	

VENDOR OR SUPPLIER

CUSTOMER OR END
USER



Approved
By: Stamp, Signature & Date

Approved
By: Stamp, Signature & Date



ANNEXURE 'B'

Project BOQ

DATA CENTER PHYSICAL INFRASTRUCTURE FOR IBA

ELECTRICAL & OTHER WORK					
S. No	Description	Qty	UOM	Unit Cost	Total Cost
POWER DISTRIBUTION					
1	Main Power Distribution Panel with EPO (As per Electrical Drawing)	1	EACH	362,460	362,460
2	Sub-Power Distribution Panel for Lighting & Raw power(As per Electrical Drawing)	1	EACH		
3	Sub-Power Distribution Panel for HVAC (As per Electrical Drawing)	1	EACH		
4	Sub-Power Distribution Panel for UPS Input (As per Electrical Drawing)	1	EACH		
5	Sub-Power Distribution Panel for UPS Output (As per Electrical Drawing)	1	EACH		
CABLING					
6	Power Cabling for Main DB from main source 70mm 4core	10	METER	443,576	443,576
7	Earth Cable 50mm from Earth pit to Electrical room & UPS Room	90	METER		
8	Power cabling from MDB to HVAC & Light DB connections 16mm 4core	17	METER		
9	Earth Cable 35mm single for Main DB & Sub-DB	30	METER		
10	Power cabling from MDB to UPS DB connections 50mm 4core	20	METER		
11	Power Cabling for UPS input & output 50mm 4core	20	METER		
12	Earth Cable 35mm single from UPS DB to UPS	20	METER		
13	DC Cable for UPS Battery flexible 50mm single dual insulation Negative & Positive	30	METER		
14	Power Cabling 16mm 5core for Floor Standing A/C	50	METER		
15	Power Cabling 6mm 5core	135	METER		
16	Power Cabling 4mm 3 core	360	METER		
17	Power Cabling 2.5mm solid (R-B-G)	13	COIL		
18	Power cabling 6mm stranded for AC (R-B-G)	6	COIL		
19	Power Cabling 1.5mm solid for light & Access Control (R-B-G)	16	COIL		
20	Power Cabling 1.5mm solid for IP camera (R-B-G)				
21	Ethernet Cabling CAT 6 for Technology Box & IP camera & access control	11	COIL		
22	Power Cabling 1.5mm solid for Emergency Lights (R-B-G)	5	COIL		
23	Power Cabling 4mm 3 core for LCD TV	55	METER		
24	Flexible Pipe 1.5"	45	METER		



Signature

PDU, TECHNOLOGY BOX, POWER SOCKETS & SWITCHES BOARD					
25	Basic Rack PDU: 16A IEC309; 20 way C13; 4 way C19;0U	16	EACH	236,603	236,603
26	Technology Box (2 UPS, 1 Row & 1 Dual Phase Plate with I/O) with Back Box	14	EACH		
27	Switch Board 3G with Back Box	8	EACH		
28	Switch Board 5G with Back Box	5	EACH		
29	Switched Socket 13A 250V Multi with Back Box	4	EACH		
30	Switched Socket 15A (E15/15N) for AC	9	EACH		
31	Industrial Socket 3Pin 32A	26	EACH		
32	Industrial Socket 5Pin 32A	6	EACH		
33	Switched Socket 10A for IP camera	11	EACH		
34	Switch Board for 1, 2 & 3 G for emergency lights	13	EACH		
CABLE TRAY					
35	Cable Tray Power AC & Data 8x4 with cover	544	RFT	900.53	489,888
ANTI-STATIC TILE					
36	ESD Vinyl Floor Tile.	650	SQFT	528	343,200
LIGHTS					
37	Ceiling Lights 2x2 Feet 4Tube	34	EACH	177,672	177,672
38	Emergency Light	13	EACH		
Sub Total (Electrical & Other Work)					2,053,399
HVAC					
S. No	Description	Qty	UOM	Unit Cost	Total Cost
39	Split Air Conditioner 1.5 Ton Wall Mounted	8	EACH	2,944,720	2,944,720
40	Floor Standing Air Conditioner 8 Ton	2	EACH		
Sub Total (HVAC)					2,944,720
ENVIRONMENTAL MANAGEMENT SOLUTION					
S. No	Description	Qty	UOM	Unit Cost	Total Cost
41	Environment Monitoring Solution for Monitoring, temperature , humidity, USB camera, GSM modem, voltage ,water & digital sensors.	1	EACH	452,760	452,760
42	Humidity and Temperature sensor	6	EACH		
43	Water leak cable sensor	2	EACH		
44	GPRS USB Modem	1	EACH		
45	Access Control with complete fitting	2	EACH		
Sub Total (Environmental Management Solution)					452,760

Signature



Fiber Connectivity for Server Room

S. No	Description	Qty	UOM	Unit Cost	Total Cost
46	D-Link Cat 6 UTP 24AWG Cable Roll 1000-Ft (White)	12	BOX	2,298,192	2,298,192
47	D-Link Cat 6 UTP 24-Port Patch Panel Fully Loaded	18	EACH		
48	Cable manager 1U	46	EACH		
49	D-Link Cat 6 UTP 24AWG Patch Cord 1M Gray	250	EACH		
50	D-Link Cat 6 UTP 24AWG Patch Cord 3M Gray	250	EACH		
51	D-Link Cat 6 UTP Keystone Jack White	48	EACH		
52	D-Link Face Plate DUAL for Keystone Jack with backbox	48	EACH		
53	LIU 24 Port Rack Mount Patch Panel Loaded with 12 Duplex SC Multimode Adapters- Sliding NLU-FMDLSCR-24S	18	EACH		
54	LIU 24 Port Rack Mount Patch Panel Loaded with 12 Duplex SC Single Mode Adapters- Sliding NLU-FSDLSCR-24S	18	EACH		
55	LC-SC Multimode (50/125um) OM2 Duplex Patch Cord, 3M NCB-FM50D-LCSC-3	104	EACH		
56	LC-SC Single Mode Duplex Patch Cord, 3M	94	EACH		
57	SC-SC Multimode (50/125um) OM2 Duplex Patch Cord, 3M	20	EACH		
58	SC-SC Single Mode Duplex Patch Cord, 3M	15	EACH		
59	SC Single Mode Simplex Pigtail, 2M	336	EACH		
60	SC Multimode (50/125um) OM2 Simplex Pigtail, 32M	336	EACH		
61	Dlink 12-Core Fiber Optic Cable, Multimode (per meter)	700	RMT		
62	Dlink 24-Core Fiber Optic Cable, Single mode (per meter)	350	RMT		
63	PVC pipe 1.5 inch With matrieal (per feet)	1200	RFT		
Sub Total Fiber Connectivity for Server Room)					2,298,192

NOVEC SUPPRESSION SYSTEM

S. No	Description	Qty	UOM	Unit Cost	Total Cost
FOR DATA ROOM: 23'6" X 14' X 12' : i.e : 3948 cubic feet					
64	Fire Suppression Panel (Sigma XT)	1	EACH	417,216	417,216
65	Optical Smoke Detector With Base	6	EACH		
66	Fire Alarm Sounder	1	EACH		
67	Fire Alarm Bell	1	EACH		
68	Abort Switch	1	EACH		
69	Nozzle	2	EACH		
FOR UPS ROOM: 10' X13' X 12' : i.e : 1560 cubic feet For MDA Room: 10' X13' X 12' : i.e : 1560 cubic feet					
70	Fire Suppression Panel (Sigma XT)	1	EACH	417,414	417,414
71	Optical Smoke Detector With Base	4	EACH		
72	Fire Alarm Sounder	2	EACH		
73	Fire Alarm Bell	2	EACH		
74	Abort Switch	1	EACH		
75	Nozzle	2	EACH		
For Second Room: 08' X 08' X 12'					
76	Fire Suppression Panel (Sigma XT)	1	EACH	403,224	403,224
77	Optical Smoke Detector With Base	2	EACH		
78	Fire Alarm Sounder	1	EACH		
79	Fire Alarm Bell	1	EACH		
80	Abort Switch	1	EACH		
81	Nozzle	2	EACH		
For Office Area					
82	Optical Smoke Detector With Base	8	EACH	342,636	342,636
83	Manual Call Point	3	EACH		
84	Fire Alarm Bell	3	EACH		
Sub Total (Novec Suppression System)					1,580,490



Fin

INSTALLATION & SERVICES & CIVIL WORKS					
S. No	Description	Qty	UOM	Unit Cost	Total Cost
Electrical Works					
85	Installation of cabling	1	JOB	440,944	440,944
86	Installation of PDU, TECHNOLOGY BOX, POWER SOCKETS & SWITCHES BOARD	1	JOB		
87	Installation of EARTH (GROUND)	1	JOB		
88	Installation of ACCESS CONTROL	1	JOB		
89	Installation of CABLE TRAY	1	JOB		
90	Installation of ANTI-STATIC TILE	1	JOB		
91	Installation of LIGHTS	1	JOB		
HVAC					
92	Installation of Piping, Drain, Angle Bracket & Gas Balancing for Split AC	8	JOB	320,256	320,256
93	Installation of Piping, Drain, Angle Bracket & Gas Balancing for Floor Standing AC	2	JOB		
EMS					
94	Instalation of Environment Monitoring System	1	JOB	6,000	6,000
Fiber Connectivity					
95	Fiber cable laying, piping and ducting / feet	3444	RFT	396,240	396,240
96	Fusion fiber splicing with fiber sleeve	672	EACH		
97	UTP Cabling, ducting, piping, termination, tagging, proper cable harnessing / organizing and rack installation (per feet)	12000	RFT		
SUPPRESSION SYSTEM FOR DATA CENTER					
98	Installation , wiring with 3/029 wire PVC pipe / channel , with schedule 40 pipe network	1	JOB	62,696	62,696
CIVIL WORKS					
99	Civil Works	1	JOB	360,000	360,000
Sub Total (Installation, Services & Civil Works)					1,586,136

FINANCIAL SUMMARY

Sub Total (Electrical & Other Work)	2,053,399
Sub Total (HVAC)	2,944,720
Sub Total (Environmental Management Solution)	452,760
Sub Total Fiber Connectivity for Server Room)	2,298,192
Sub Total (Novec Suppression System)	1,580,490

Total (All Supplies)	9,329,561
18% GST	1,679,321
Total with GST (All Supplies)	11,008,882

Sub Total (Installation, Services & Civil Works)	1,586,136
15% PST	237,920
Total with GST (Installation, Services & Civil Works)	1,824,056

Grand Total (All Supplies & Services)	12,832,938
---------------------------------------	------------



Signature

ANNEXURE 'C'

LOA & Communications



Institute of
Business Administration
Karachi

Leadership and Ideas for Tomorrow

Dated February 13, 2015

Mr. Syed Sadaf Hashmi,
Sales Manager, Silicon Technologies,
77-E, Block-2, P.E.C.H.S.,
Ghazali Road
Karachi.

SUBJECT: LETTER OF ACCEPTANCE

Ref: IBA Main Campus Server Room (IT/69/2014-15)


Please refer to your submission of tender documents against our Request for Proposal dated August 21, 2014 cost PKR **22,578,559** /- inclusive of all applicable taxes for setting up a Server Room at IBA Main Campus.

We are pleased to inform you that your bid has been accepted and IBA's Competent Authorities have approved the contract for the said job at the contract value of Rs. PKR **22,578,559** /- inclusive of all applicable taxes in consideration of the execution and completion of the Works as prescribed by the Contract between the Employer and the Bidder (hereinafter and in the Conditions of the Contract called the "Contract Price").

This Letter of Acceptance (and its duly accepted copy) and the tender document along with your quote ST Ref #: IBA/0974/08/SB dated August 21, 2014 will constitute the formation of the Contract, binding the Employer and Bidder till the signing of the formal Contract Agreement.

Please sign and affix your company's seal and return one copy of this Letter of Award within seven days of its receipt.

Regards,


Imran Batada
Head of ICT
IBA, Karachi

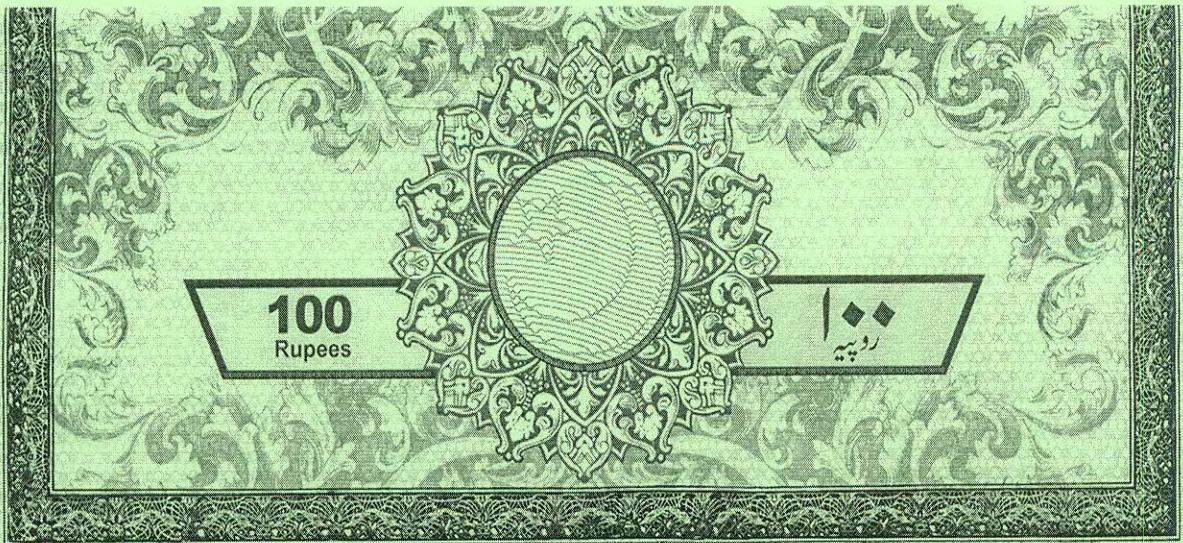
Imran Batada
Head of ICT
Institute of Business Administration
Karachi-Pakistan

Accepted unconditional by M/s.Silicon Technologies



Main Campus: University Road, Karachi. UAN: 111-422-422 Tel: (92-21) 38104700 Fax: (92-21) 99261508
City Campus: Garden/Khaili Shaheed Road, Karachi. Tel:(92-21) 38104701 Fax:(92-21) 38103008
Website: www.iba.edu.pk E-mail: info@iba.edu.pk





AQIB IMRAN STAMP VENDOR

License No. 94, Shop 16, B-14, Karim Plaza, G. Road, Karachi.

S. No.

113716

Date 02 FEB 2015

ISSUED TO WITH ADDRESS MUHAMMAD A. HASHMI

THROUGH WITH ADDRESS Advocate,

PURPOSE

VALUE RS

STAMP VENDOR'S SIGNATURE

To
Mr. Imran Batata,
Head of ICT Department,
Institute of Business Administration,
University Road Karachi, Sindh.

Subject: Letter for the Special Discount to IBA Karachi.

We M/s. Silicon Technologies pleased to inform you that D-Link, Emerson, Euro Asia, Sky Control, FM-200 approved the very special educational discount for IBA Karachi, we quoted the value, Quote # IBA/0974-R4/01/SB, Khi quoted Value was Rs. 22,578,559/- only, against your Tender#IT/69/2014-15.

After getting the special discount from D-Link, Emerson, Euro Asia, Sky Control, FM-200 for your organization, we are offering you the special discount on mentioned value along with the first three years services along with equipments, the new value of the quotation is Rs. 12,832,938/-.

Silicon is agreed to do whole project quoted in discounted quotation.

Sadaf Hashmi
Sales Manager – Corporate
Cell: 0321-2558544



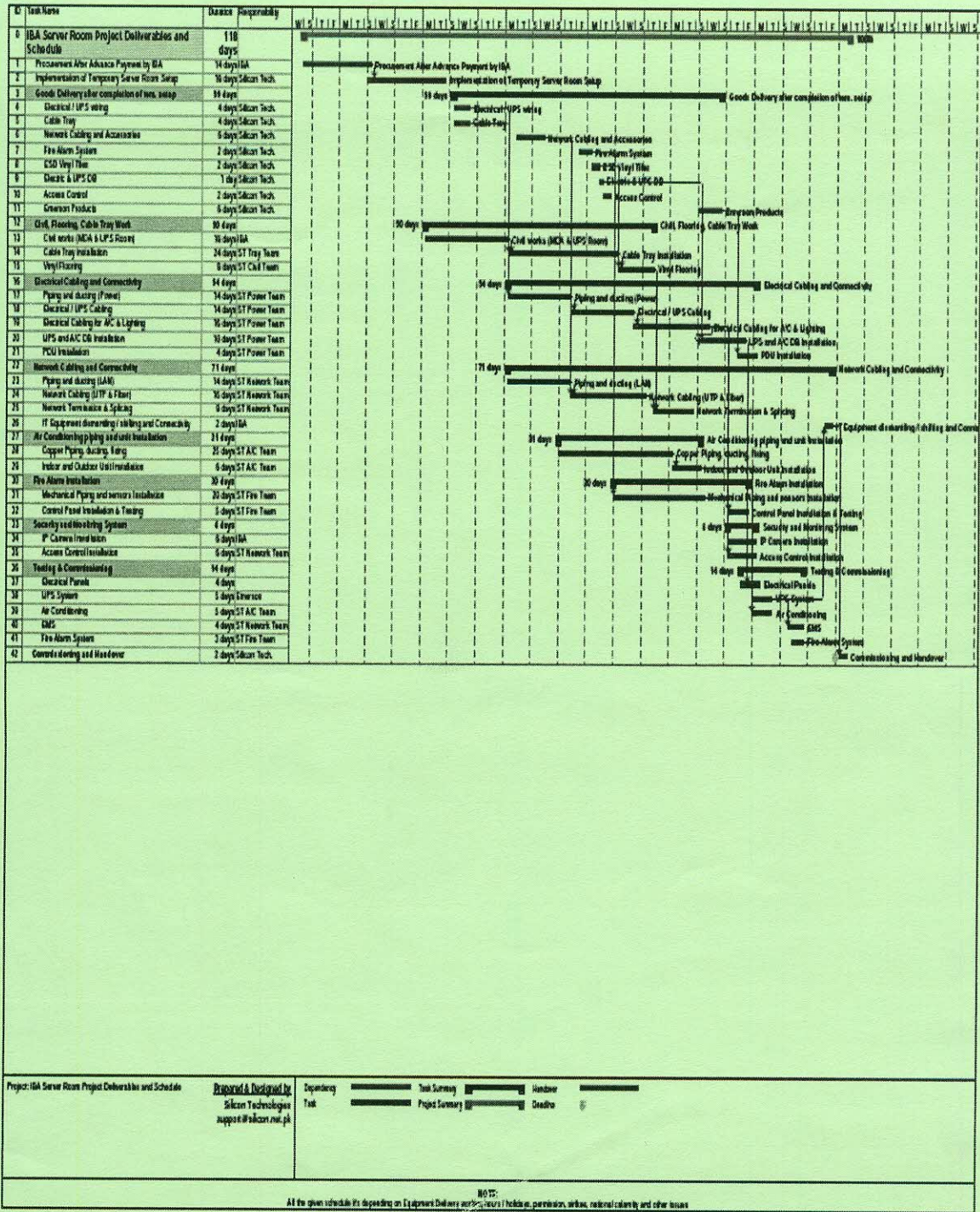
For



ANNEXURE 'D'
Project Time Lines

Total Working Days: 118 – Exclusive of Saturdays, Sundays, Gazed Holidays and Days with Unstable Law Enforcement Situations.

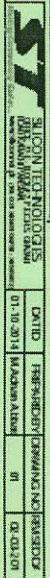
Working Timing: 10AM to 10PM



Signature



IBA DATA CENTER
Proposed Data Center Layout View)



Product Brands

DESCRIPTION	BRAND
POWER DISTRIBUTION BREAKERS	TERASAKI
CABLING	UNIVESAL/CRESCENT/FAST
PDU, TECHNOLOGY BOX, POWER SOCKETS & SWITCHES BOARD	EMERSON & ORANGE POWER
ACCESS CONTROL	SOCA/PROXIMITY/SECUTECH
CABLE TRAY	LOCAL MANUFACTURING
ANTI-STATIC TILE	LOCAL MANUFACTURING
LIGHTS	IMPORTED
HVAC	EURO AIR
ENVIRONMENTAL MANAGEMENT SOLUTION	SKY CONTROL
FIBER CONNECTIVITY FOR SERVER ROOM	D-LINK
FIRE SUPPRESSION SYSTEM excluding Cylinder & Gas	NOVEC 1230
INSTALLATION & SERVICES & CIVIL WORKS	LOCAL

for

