

## IBA City Campus Data Center Karachi Pre Bid Query Response

**MINUTES OF PRE-BID MEETING OF  
IBA DATA CENTRE CITY CAMPUS, KARACHI  
DATED JAN 06, 2012**

Following Contractors participated in the meeting:

1. Innovative (PVT) Ltd
2. AMFCO International
3. NCR Corporation
4. IMS
5. Jaffer Brothers

| S no. | Company Name | Queries   | IBA/Consultant Responses |
|-------|--------------|---|--------------------------|
| 1     | AMFCO        | Why do we need to supply EU Manufactured Electrical Cable? As most of the production for all major brands is done in China and we can get supply cable from one of the Reputed Manufacturer. The said product quality supersedes Pakistan cable and complies with ISO CE and also other international Standards. Will such cable be accepted? | No                       |
| 2     | AMFCO        | Why 45U. Rack is needed? Is it possible that we can purpose 42U Rack?   | Yes                      |
| 3     | AMFCO        | Generators are being manufactured in China and Asia Pacific Countries. In most of the other parts are of different manufacturer. Can we purpose genset with engine of CAT of perking or Duets?  | Yes                      |
| 4     | AMFCO        | You have requested CAT6A FUTP cable can we purpose CAT7 cable instead?  | Yes                      |

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| 5  | AMFCO | Is it important to supply all the infrastructure Solution from a signal vendor?   | Yes  |
| 6  | AMFCO | If client need the goods to be on FOB/CNF basis on their name, then what would be the payment terms and conditions against these good? In this case will client sign legal contract?  | Clarification was provided by ICT procurement department along with the documents sample to show that IBA is exempted from all duties and taxes on importation of goods, However IBA will not provide any letter or take any liability on LC or any importation procedures. However selected contractor after importing the goods have to get invoice and packing list along with the BL vetted from ICT procurement and the consultant on behalf of which IBA will provide SRO reference and a covering letter in the name of COC to get the shipment cleared |
| 7  | NCR   | In relation to the IBA City Campus Data Center Project, we would like to underline our keenness to participate in this tender. Furthermore, concerning the technical proposal that has been shared by IBA and HK Shah and the list of preferred components that has been cited in it, we would like to present parallel brands of components in question for IBA's and HK Shah's consideration to be included in the preferred components list. The list of parallel brands is as follows for your review |  |
| 8  | NCR   | Access Control System ( Schneider Electric )  | Yes  |
| 9  | NCR   | Passive Infrastructure (copper and fiber cable and accessories) ( Schneider Electric )  | No Structure cabling products cannot be of Schneider Electric for only reason that this company is a professional manufacture of electrical items and not voice data and fiber which is manufacture by third party secondly this company does not offer intelligent patching situation. We cannot have structure part from 2-3 different vendor's  |
| 10 | NCR   | Intelligent Patching Solution ( Schneider Electric )  | No   |
| 11 | NCR   | Cable Tray/Cable ladder/Mesh Wired Cable Tray and Ducts ( Schneider Electric )  | No Cable tray cable ladder should be from the Vendor which is offering infrastructure equipment as these will have to align with the racks for data we require cable ladder running on top of racks.   |
| 12 | NCR   | Precision Air Conditioning ( STULZ )  | Yes  |

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| 13 | NCR                  | Raised Flooring ( Bergvik )  | Yes  |
|    | INNOVATIVE PVT. LTD. | This has reference to section for server and communication racks, item number 24 of the B.O.Q, B-26:   |  |
|    | INNOVATIVE PVT. LTD. | For item 24.1 and 24.2– Can we quote 42U, 1070mm Deep and 600mm Wide racks or 48U racks instead of 45U, 1000mm Deep and 800mm Wide Racks, as these are standard APC racks?   | Yes you can quote 42U height rack but foot print should be as per mentioned in RFP   |
|    | INNOVATIVE PVT. LTD. | For item 24.1 and 24.2– Is cable management trough required for these racks? As it is mentioned that power and data cables will be run via trays and wire baskets.   | Yes this has nothing to do with power and data tray  |
|    | INNOVATIVE PVT. LTD. | For item 24.1 and 24.2– What is the meaning of back board? Is it the blanking panel which is used to block air flow from unoccupied U space in the racks? If so please mention the desired quantity as well.   | Yes this is blanking panel for this you have to conduct the survey or you can estimate half of rack size   |
|    | INNOVATIVE PVT. LTD. | For item 24.1 and 24.2– The cabinet is asked with an air duct. This is required when hot air from racks is meant to be fed to the hot air plenum? Is false ceiling going to be used as that plenum? If the plenum concept is not there than fan arrangement is the solution for it. Please clarify what is needed to be done here. | This option is open you can use ceiling as plenum for return hot air or open free air  |
|    |                      | This has reference to section communication racks, item number 25 of the B.O.Q, B-27:  |  |
|    | INNOVATIVE PVT. LTD. | For item 25.1– C What is the meaning of back board? Is it the blanking panel which is used to block air flow from unoccupied U space in the racks? If so please mention the desired quantity as well.  | Yes this is blanking panel for this you have to conduct the survey or you can estimate half of rack size   |
|    | INNOVATIVE PVT. LTD. | For item 25.1– C What is the meaning vertical cable management troughs? Is it the horizontal cable management which for a 2U space is 6" deep with cover? If so then please mention its quantity.  | This means full rack size vertical finger cable manager which will be installed on both side of 2 pillar rack which consist of front and back door with end panels |
|    | INNOVATIVE PVT. LTD. | What is the meant by front and side panels in a 2 post rack?   | Front , back and side panel for vertical cable manager to hide junk of cable in 2 Post rack  |
|    |                      | This has reference to section of cooling section for data center, item number 26, B-27..   |  |
|    | INNOVATIVE PVT. LTD. | Is the tonnage of CRACs specify total cooling capacity or sensible capacity?   | Total cooling capacity   |



|                      |   |   |
|----------------------|---|---|
| INNOVATIVE PVT. LTD. | Is the return air designed for ducted return or free air  | Design is free air  |
| INNOVATIVE PVT. LTD. | Return? In case of ducted return please provide the ducting and terminal device layout.   | Vendor need to conduct survey and complete the design according to their brand.                         |
| INNOVATIVE PVT. LTD. | In the roof plan, tray layout is not shared. Does that mean AC trays will not be required on roof?  | Vendor need to conduct survey   |
| INNOVATIVE PVT. LTD. | Since Piping lengths is not mentioned! Can we get the distance between the units and their respective condenser or chiller? Or we have to do a survey for that? | vendor need to conduct survey   |
| INNOVATIVE PVT. LTD. | Please mention the capacity and quantity of humidifier tanks along with its piping requirements?  | vendor need to communicate with the supplier of CRAC manufacturer and quote accordingly                 |
| INNOVATIVE PVT. LTD. | Please provide a layout for condensate drainage system.   | vendor need to conduct survey   |
|                      | This section is for general questions pertaining to the RFP   |   |
| INNOVATIVE PVT. LTD. | UPSs and Battery Banks are depicted in layout but not asked in RFP. Are they missed from the B.O.Q or they are already arranged?                                | UPS already exist and not required  |
| INNOVATIVE PVT. LTD. | Can we quote other EU / American Brands for HSSD, Fire Suppression and Access Control Systems?  | Kindly submit the technical specification and after evaluation we can confirm for addition or rejection |
| INNOVATIVE PVT. LTD. | This has reference to item 27.4 – Please mention is it a three phase PDU or single phase? Should it have an ATS built in it as well?                            | this is single phase PDU without ATS functionality  |