



Dated: 27 - 4 - 2016.

edoit@karachicity.gov.pk
URL: www.karachicity.gov.pk



INFORMATION TECHNOLOGY DEPARTMENT

KARACHI METROPOLITAN CORPORATION (DEFUNCT CDGK)

2nd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IQBAL, KARACHI



Ref. No. KMC/Sr. Director IT/2016/205

BID EVALUATION REPORT

(In Compliance of Clause 45 SPP Rules 2010)

- 1. Name of Procuring Agency: <u>Information Technology Department, KMC</u>.
- 2. Tender Reference No: KMC /Sr. Director /IT/2016/55, Dated: 01/02/2016
- 3. Tender Description/Name of work/item: "Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts Department, KMC.
- 4. Method of Procurement: Single Stage (Two envelopes)
- Tender Published: <u>Daily Jang Karachi, Daily Dawn Karachi, Daily "Sarwan"</u> <u>Dated: 02-02-2016, 03-02-2016 and 03-02-2016 respectively.</u>
- 6. Total Bid Documents Sold: 03
- 7. Total Bids Received: **02**
- 8. Technical Bid Opening date: (if applicable) 19/02/2016
- 9. No. of Bid technically qualified (if applicable): 01
- 10. Bid (s) Rejected: **01**
- 11. Financial Bid Opening date 31/03/2016
- 12. Bid Evaluation Report:

| SN | Name of Firm or Bidder | Cost offered by the Bidder | Ranking in terms | Comparison with Estimated cost | Reasons for acceptance/rejections | Remarks |
|----|---|-------------------------------|---------------------|-----------------------------------|--|---------|
| 1 | 2 | 3 | of cost | 5 | 6 | 7 |
| 01 | M/s. Computer Marketing Co (Pvt.) Ltd. | Rs. 31,475,221/- | 1st | Rs. 20.00 Million | Through Competitive Bidding, Essential related Items required for Data Center / Front End Lab Infrastructure / | |
| | | | | | Up-gradation / Expansion of (IFMIS) Finance & Accounts Department, KMC. | |

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KARACHI METROPOLITAN CORPORATION (DEFUNCT CDGK) 2nd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IQBAL, KARACHI

Name of Work: "Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts, KMC.

This issued with the approval of the members of the procurement committee.

Members from Procuring Agency:-

Director (IT) Operation KHALID FAHIM KHAN

Director (IT) SWD (Convener)
MUHAMMADABDUL NASCR

Sr. Director IT Department (Chairman) MASOOD ACAPA

Members from Other Procuring Agency or Department :-

Director (Public Relation Department) M. D. A.

SHAHB-UD-DIN SABIR.

Director (Accounts Department)

KW&SB

MUHAMMAD NAWAZ KHAN.

Executive Engineer (Lyari Development Authority)

S. NAFEEL AGHA .





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ETROPOLITAN CORPORATION (DEFUNCT CDGK)

2nd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IQBAL, KARACHI

Ref. No. KMC/Sr. Director IT/2016/203

Dated: 27 04 2016.

BID EVALUATION REPORT

(In Compliance of Clause 45 SPP Rules 2010)

- 1. Name of Procuring Agency: Information Technology Department, KMC.
- 2. Tender Reference No: KMC /Sr. Director /IT/2016/55, Dated: 01/02/2016
- 3. Tender Description/Name of work/item: "Up-Gradation of I.T. Infrastructure (Hardware) for IFMIS of Finance & Accounts Department, KMC.
- Method of Procurement: Single Stage (Two envelopes) 4.
- Tender Published: Daily Jang Karachi, Daily Dawn Karachi, Daily "Sarwan" 5. Dated: 02-02-2016, 03-02-2016 and 03-02-2016 respectively.
- 6. Total Bid Documents Sold: 02
- 7. Total Bids Received: 01
- 8. Technical Bid Opening date: (if applicable) 19/02/2016
- 9. No. of Bid technically qualified (if applicable): 01
- Bid (s) Rejected: Nil 10.
- Financial Bid Opening date 31/03/2016 11.
- Bid Evaluation Report: 12.

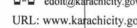
| SN | Name of Firm or Bidder | Cost offered by the Bidder | Ranking in terms of cost | Comparison with Estimated cost | Reasons for acceptance/rejections | Rema | ırks |
|----|--|-------------------------------|--------------------------------|-----------------------------------|--|------|------|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | |
| 01 | M/s. ICL International (Pvt.) Ltd. | Rs. 28,980,300/- | 1st | Rs. 20.00 Million | Through Competitive Bidding, Essential related Items required for Up-Gradation of I.T. Infrastructure (Hardware), KMC. | | |





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KARACHI METROPOLITAN CORPORATION (DEFUNCT CDGK) 2nd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IQBAL, KARACHI

Name of Work:

Up-Gradation of I.T. Infrastructure (Hardware) for IFMIS of

Finance & Accounts Department, KMC.

This issued with the approval of the members of the procurement committee.

Members from Procuring Agency :-

Director (IT) Operation

KHACID FAHIM KHAN

Director (IT), C&A
KAMAC AANGED SIDDIQUI

Director (IT) SWD

(Convener) MUHAMMADABDUL

Sr. Director IT Department

(Chairman) MASOOD ALAM :

Members from Other Procuring Agency or Department :-

Director (Public Relation Department)

M. D. A.

SHAHAB-UD-DIN SABIR.

Director (Accounts Department)

KW&SB

MUHAMMAD NAWAZ KHAN.

Executive Engineer

(Lyari Development Authority)

S. NAFEES AGHA















INFORMATION TECHNOLOGY DEPARTMENT

KARACHI METROPOLITAN CORPORATION (DEFUNCT CDGK)

2nd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IQBAL, KARACHI

Ref. No. KMC/Sr. Director IT/2016/204

Dated: 27 - 04 - 2016.

BID EVALUATION REPORT

(In Compliance of Clause 45 SPP Rules 2010)

- 1. Name of Procuring Agency: Information Technology Department, KMC.
- 2. Tender Reference No: KMC /Sr. Director /IT/2016/55, Dated: 01/02/2016
- Tender Description/Name of work/item: "Refurbishment of F&A Department, KMC for one Window Operation.
- 4. Method of Procurement: Single Stage (Two envelopes)
- Tender Published: <u>Daily Jang Karachi, Daily Dawn Karachi, Daily "Sarwan"</u> <u>Dated: 02-02-2016, 03-02-2016 and 03-02-2016 respectively.</u>
- 6. Total Bid Documents Sold: 03
- 7. Total Bids Received: **02**
- 8. Technical Bid Opening date: (if applicable) 19/02/2016
- 9. No. of Bid technically qualified (if applicable): **01**
- 10. Bid (s) Rejected: **01**
- 11. Financial Bid Opening date 31/03/2016
- 12. Bid Evaluation Report:

| Name of Firm or Bidder | Cost offered by the Bidder | Ranking in terms of cost | Comparison with Estimated cost | Reasons for acceptance/rejections | Remarks |
|--|---|---|--|--|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| M/s. ICL International (Pvt.) Ltd. | Rs. 22,486,632/- | 1st | Rs. 20.00 Million | Through Competitive Bidding, Essential related Items required for Refurbishment of Finance & Accounts Department for ONE Window Operation, | |
| | Firm or Bidder I M/s. ICL International | Firm or Bidder Bidder 1 2 M/s. ICL International Rs 22 486 632/- | Firm or Bidder by the Bidder of cost 1 2 3 M/s. ICL International Ps. 22 486 632/- 1st | Firm or Bidder by the Bidder of cost 1 2 3 4 M/s. ICL International Rs 22 486 632/- 1st Rs 20 00 Million | Firm or Bidder by the Bidder in terms of cost 1 2 3 4 5 M/s. ICL International (Pvt.) Ltd. Rs. 22,486,632/- 1st Rs. 20.00 Million Rs. 22,486,632/- Department for ONE |

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KARACHI METROPOLITAN CORPORATION (DEFUNCT CDGK) 2nd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IQBAL, KARACHI

Name of Work:

"Refurbishment of F&A Department, KMC for One Window

Operation.

This issued with the approval of the members of the procurement committee.

Members from Procuring Agency :-

Director (IT) Operation

KHACID FAHIM KHAN

Director (IT) SWD

(Convener) MUHAMMAD ABOUL MASIR

Sr. Director IT Department

(Chairman) MASOOD ALAM

Members from Other Procuring Agency or Department :-

Director (Public Relation Department)

M. D. A.

SHAHAB-UD-DIN SABIR

Director (Accounts Department)

KW&SB

MUHAMMAD NAWAZ KHAN.

Executive Engineer (Lyari Development Authority)

S. NAPEES AGHA.

Minutes of the meeting for the Tender "INTEGRATED FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)" for Finance and Accounts Department, KMC.

Tender for above mentioned Project was published in leading newspapers in the Daily Dawn, Daily Jang & Daily Sarwan on **02-02-2016**, **03-02-2016** & **03-02-2016** and sent for uploading in SPPRA Website vide bearing# KMC /Sr. Director /IT/2016/55, Dated: 01/02/2016 as per Sindh Public Procurement Rules -2010.

"INTEGRATED FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)" comprises of three (03) separate Tenders as detailed below:

- i) <u>Up-gradation of I.T. Infrastructure (Hardware)</u> for IFMIS of F&A, KMC." ADP # 395
- ii) Refurbishment of Finance & Accounts
 Department, KMC for One Window Operation ADP
 # 396
- iii) Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts, KMC <u>ADP # 397</u>

All three tenders was based on (02) two envelops, One is "Technical Proposal" and other is "Financial Proposal".

The Technical proposals of all three (03) tenders were opened on 19-02-2016 by the Technical & Purchase Committee of IT, KMC in presence of the representatives of participating firms.

The following Three companies / Firms have been participated in the above mentioned tenders.

- M/s. ICL International (Pvt.) Ltd.
- . M/s. Computer Marketing Co. (Pvt.) Ltd.
- M/s. M/s. A. G. Enterprise.

As per the technical evolution the sub committee report annexed at **Flag** "A" the committee declared successful those who have obtained **75%** or above marks from all three components for the Project "INTEGRATED FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)" as detailed below the points getting by the companies:-

i) <u>Up-gradation of I.T. Infrastructure (Hardware) for IFMIS of F&A, KMC." ADP # 395</u>

- Three companies have purchased Tender Document for above referred tender and only M/s. ICL International (Pvt.) Ltd. has submitted Bids among three companies.
- As per Technical Assessment M/s. ICL International (Pvt.) Ltd. successfully obtained 100 marks out of 100 for the above tender.
- Therefore, Technical and Purchase Committee has unanimously decided that the only company i.e. M/s. ICL International (Pvt.) Ltd. is qualified for further bidding process.

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Cost Comparative Statement regarding for the Tender <u>"INTEGRATED FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)"</u> is placed at Flag B.

transmitted and appropriately

The Purchase and Technical Evolution Committee discussed and scrutinized the Tender documents of all three (03) tenders for the Project "(IFMIS) Hardware, One Window Operation & Data Center), Finance & Accounts Department, KMC in detail as under separately.

i) <u>Up-gradation of I.T. Infrastructure (Hardware) for IFMIS of F&A, KMC." ADP # 395</u>

Brief:

FOUR (04) Companies purchased the above mentioned Tender document, As per the technical evolution the subcommittee report the purchase committee declared successful those who have obtained 75% or above marks, only M/s. ICL International s (Pvt.) Ltd. has got 100 points out of 100 and declared successful and eligible for participating in financial competition.

As per Comparative Statement the Company M/s. ICL International (Pvt.) Ltd. has quoted rates as given below:

| S# | | Description | Total Qty | Unit Price (Rs.) | Qty. Price (Rs.) | |
|----|---------------------------------------|---|--------------|------------------------|---------------------|--|
| | 42 U OEM | Rack, KVM and Console | | | | |
| | Item | Description | | | | |
| | Rack Size and Type | OEM 42 U Rack with Cables Rails, Cable rounting & Power Management | | | | |
| | Rack TFT Console | 17" TFT 1U Console Purpose built with Touchpad Mouse & Keyboard | | - | | |
| 1 | KVM switch | 1U Rack mounted 16 Ports OEM Digital KVM (IP) Switch with USB- VGA Adapters | 1 | 632137 | 632137 | |
| | Back Panels and Doors | Should be included | | | | |
| | Anti Tilt Rack Anti Tilt Kit required | | | | | |
| | Ground Protection | Ground Protection Preassembled or Grounding Kit required | | | | |
| | Accessories and Cabling | Dual PDU with required socket for the solution | | | | |
| | Warranty | 3 Years comprehensive parts replacement warranty of all equipment | | | | |
| | 4 U Rack Mounted | | | | | |
| | Item | Description | | | | |
| | Architecture | 64 Bit Intel Xeon Server | | | | |
| | Chipset | Intel C602 Series | | | | |
| | Processor | 4x Intel Xeon Processor E7- 4830v3 (12C/24T, 2.10 GHz, 115 W) | | | | |
| 2 | Cache | 30MB or higher | 2 | 4177343 | 8354686 | |
| | Memory | 256 GB DDR4 DDR4-2133 R ECC alongwith 4 x Memory Board | | | | |
| | Optical Drive | Internal DVD-RW supermulti slimline SATA | | | | |
| | Hard Drives | 3 x SAS 12G 600GB 10K 2.5' Enterprize Hot Pluggable | | | | |
| | Raid Controller | B1/B 0 1 1/2 010 1/2 | | | | |

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| | Windows 2012 Server Software Licence (Qty = 2) | Standard Vetrsion 64/32 bit support Open licences 25 x Client Access Licecnes Media Kit DVD | | - | |
|---|---|---|---|---------|---------|
| | 2 U Rack Mounted | Servers -Application Servers | | | |
| | Artitechture | 64 Bit Intel Xeon Server | | | |
| | Chipset | Intel® C612 | | | |
| | Processor | 2 x Intel Xeon E5-2630v3 8C/16T 2.40 GHz or higher | | | |
| | Cache | 20 MB or higher |] | | |
| | Memory | 64 GB DDR4 DDR4-2133 R ECC | 1 | | |
| | Optical Drive | Internal DVD-RW supermulti slimline SATA | | | |
| | Hard Drives | 3 x SAS 12G 300GB 10 K 2.5 inch Enterprize Hot Plug | | | |
| | Raid Controller | RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache | | | |
| | Network | Dynamic LoM 4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports | | | |
| 4 | FC Controller | 1 x Fiber Channel Controller 8Gb/s (Dual Port) with required FC cabling | 2 | 910986 | 1821972 |
| | Power Supply 2x Hot Pluggable Redundant Power Supplies | | | | |
| | FAN 5 x FAN Hot Pluggable | | | | |
| | Management Controller | Integrated Remote Management Controller | | | |
| | Management Software | Should include Server Management Software with advance functionalities including Local and Remote Monitoring, Pre-Failure Alerts and Diagnostic | | | - |
| | RMK | Rack Mounting Kit with cable management and accessories | | | |
| | Warranty | 3 Years comprehensive on-site Warranty from Manufacturer | | | |
| | Windows 2012 Server Software Licence. | Standard Vetrsion 64/32 bit support Open licences 25 x Client Access Licecnes Media Kit DVD | | | |
| | Disk Storage System | m Storage Area Network (SAN) | | | |
| | Item | Description | | | |
| | Architecture | 16 Gbps or Higher SAN solution | | | |
| | Cache | 16 GB Cache (Battery Backed) | | | |
| | Storage Controller | Redundant Storage Controllers with Active- Active Configuration | | | |
| 5 | Host Interfaces support | FC (16 Gbit/s, 8 Gbit/s, 4 Gbit/s), FCoE (10 Gbit/s), iSCSI (10 Gbit/s, 1 Gbit/s), Ethernet (10 Gbit/s, 1 Gbit/s), SAS (6 Gbit/s, 3 Gbit/s) | | 3829073 | 3829073 |
| | Host Connectivity Ports | 4 x 16 Gbps FC Ports , 4x 1 Gbps iSCSI | | | - |
| | RAID | Supporting RAID 0,1,5,6,10 | | | |
| | Redundancy | End to end redundant connections with no single point of failure | | | _ |
| | Raw Storage | 18 x 1.2 SAS 12G HDDs, 6 x 400Gbps 12G Enterprises SSD Drives | | | |

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| | Warranty | Three Years comprehensive parts | | | | |
|---|-------------------------------|---|---|---------|---------|--|
| | vvarranty | replacement warranty | | | | |
| | | nel Switches (Brocade) | | | | |
| | Form Factor | 1U, 19-inch | | | | |
| | Architecture | 16 Gbps Full Fabric Architecture | | | | |
| | Port Speed | Auto-sensing of 2, 4, 8, and 16 Gbit/s port speeds , optionally programmable to fixed port speed 24 x SFP 16Gbit/s, Multi Mode Fibre (MMF) | | | | |
| | Available Ports | BROCADE branded | | | | |
| | Active Port License | 24Ports Active licenses on each switch | | | | |
| | Scalability | Full fabric architecture with a maximum of 239 switches | | | | |
| | Performance | 384 Gbit/s end-to-end full duplex | | | | |
| | ISL Trunking Support | Frame-based trunking with up to eight 16 Gbit/s ports per ISL trunk; up to 128 Gbit/s per ISL trunk. Exchange-based load balancing across ISLs with DPS included in Fabric OS. | | | | |
| | Media types support | Hot-pluggable, industry-standard Small Form-Factor Pluggable (SFP+), LC connector; Short-Wavelength (SWL), Long-Wavelength (LWL); Extended Long-Wavelength (ELWL); distance depends on fiber optic cable and port speed. Supports SFP+ (8 and 16 Gbit/s) optical transceivers. | | | 1 | |
| | Supported O/S | Should Support multiple O/S | 2 | 1873852 | 3747704 | |
| | Management access | 10/100 Mbit/s Ethernet (RJ-45), in-band over Fibre Channel, serial port (RJ-45), and one USB port | - | 1873832 | 374770 | |
| | Security | DH-CHAP (between switches and end devices),FCAP switch authentication; FIPS 140-2 L2-compliant, HTTPS, IPsec, IP filtering, LDAP with IPv6, Port Binding, RADIUS, User-defined Role-Based Access Control (RBAC), Secure Copy (SCP), Secure RPC, SFTP, SSH v2, SSL, Switch Binding, Trusted Switch | | | | |
| | Supported management software | HTTP, SNMP v1/v3 (FE MIB, FC Management MIB), SSH; Auditing, Syslog; Brocade Advanced Web Tools, Advanced Performance Monitoring, Brocade Fabric Watch; Brocade Network Advisor SAN Enterprise or Brocade Network Advisor SAN Professional/Professional | | | | |
| | | Plus; Command Line Interface (CLI); SMI-S compliant; Administrative Domains | | | | |
| | Power Supply | Base switch includes a single, hot-swappable power supply with integrated system cooling fans. Optional dual redundant hot- swappable power supply. | | | | |
| | Warranty | 3 Years comprehensive on-site Warranty | | | | |
| 4 | | · railanty | 1 | | 2765592 | |

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| | Cache | l acure . List | | ı | |
|----|--|---|---|--------|--------|
| | Memory | 20 MB or higher 64 GB DDR4 DDR4-2133 R ECC | | | |
| | Optical Drive | Internal DVD-RW supermulti slimline SATA | | | |
| | Hard Drives | 3 x SAS 12G 300GB 15 K 2.5 inch Enterprize Hot Plug | | | |
| | Raid Controller | RAID Controller SAS 12 G with Raid Level 5/6 with 2GB cache | | | |
| | Network | 4 x Gigabit Network ports | | | |
| | FC Controller | 1 x Fiber Channel Controller 8Gb/s (Dual Port) with required FC cabling | | | |
| | Power Supply | 2x Hot Pluggable Redundant Power Supplies | | | |
| | FAN | 5 x FAN Hot Pluggable | | | |
| | Management Controller | Integrated Remote Management Controller | | | |
| | Management Software | Should include Server Management Software with advance functionalities including Local and Remote Monitoring, Pre-Failure Alerts and Diagnostic | | | |
| | RMK | Rack Mounting Kit with cable management and accessories | | | |
| | Warranty | 3 Years comprehensive on-site Warranty from Manufacturer | | | |
| | Windows 2012 Software Licence (Qty = 2) | Standard Version 64/32 bit support Open licences 25 x Client Access Licecnes Media Kit DVD | | | |
| | Dual Processor High | | | | |
| | Artitechture | 64 Bit Intel Xeon Server - Dual Processor Machine | | | |
| | Chipset | Intel C612 | | | |
| | Processor | 1 x Xeon E5-2630 v3 2.40GHz 20 MB Turbo Boost (Upgradeable upto upto 2 processors) | | | |
| | Graphic | 2 x Dual 2.0GB NVIDA Quadro® 600 | | | |
| | Memory | 64 GB DDR4- 2133 rg ECC | | | |
| | Memory Maximum | | | | |
| | Support Optical Drive | 512 GB Internal DVD-RW supermulti SATA | | | |
| | Total drive Bay support | Upto 12 Drive bays (Internal and Extrernal) | | | |
| 10 | Hard Drives | 2 x 600GB 15k SAS 12 GB/s Hard Drives | 2 | 363460 | 726920 |
| | Raid Controller | RAID 0/1/10/5/50/6/60 SAS 12Gbps (8 Ports) | | | |
| | Network | 2 x Built-in 10/100/1000 MBit/s | | | |
| | Power Supply | Power Supply | | | |
| | Mouse and Keyboard | OEM USB Optical Mouse and keyboard | | | |
| | Software and accessories | Complete Driver CDs and Accessories Windows® 7 32 and 64 bit | | | |
| | | 5070955098 9 51514 12 5 14V | | | |
| | | Windows 8 | | | |
| | Operating System Compatibility | Windows® XP | | | |
| | | Windows® Server 2008 R2 and 2012 Linux | | | |
| | Display | 22 inch LED (Professional) | | | |
| | D-REMEDINGS | | | | |

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| 1 | Total | | | | 28,980,300 |
|-----------------|--|---|---|---------|------------|
| | Minimum Backup Agents | 4 x Oracle on Linux ,4 x Windows 2008 Agent, 2 x Virtualization Backup Agents | | | |
| | Software for Virtual and Physcial Machines | Symantec Netbackup or equal backup software | 1 | 1360050 | 1360050 |
| - | Enterprise Backup | se Backup Solution | | | |
| Contract of the | | Warranty from Manufacturer | | | |
| | Warranty | 3 Years comprehensive on-site | | | |
| | Operating System Support | Windows® 7 (32-bit/64-bit), Windows Vista® (32-bit/64-bit), Windows Server® 2003/2008 (32-bit/64-bit), Windows XP® (32-bit/64-bit) | | | 1 1.9°. |
| - | | Image Processing Software and 2D Barcode included | | | 2 |
| | Software | creation software Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint, Folder, Email, Print) includes | | | , |
| | | and update scanner drivers from Central Console. • TWAIN and ISIS Drivers • Batch scanning and PDF | | × | |
| - | | Scanner Central Admin Suite to monitor scanner running status | | | |
| | Interface | Advanced DTC, iDTC, sRGB USB 2.0 | | | |
| | | Image emphasis, Simplified DTC, | | | |
| | Features | color graphics adapter (CGA), dual control panels Automatic colour detection, Automatic page size detection, De-Skew, Upper lower separation, content-based rotation, intelligent blank page deletion, background saturation, advanced clarity, selectable background, onboard JPEG compression, swivel ADF, Multi- image, Error diffusion, Dither, Dropout colour (R, G, B, None, White, Specified, Saturation), | | | |
| | | Ultrasonic double-feed detection with advanced control. Advanced image processing in hardware with | | | a) |
| | Daily Scan volume / capacity | 4,000 sheets/day | | | |
| | Document size | ADF Minimum: A8 Portrait (52 x 74 mm) / Maximum: A3 (297 x 420 mm) , Long page scanning: 3,048 mm | | | |
| | ADF capacity | 50 sheets (A4: 80g/m2 or 20lb) accepts document Thickness from 41 to 210g/m2 (11 to 56.2lb) | | | |
| | Scanning Speeds | Simplex: Scans up to 30 ppm in colour, Duplex: 60 ppm in color and monochrome at 200 to 300 dpi Simplex: Scans up to 40 ppm in grayscale, Duplex:80 ppm in grayscale and monochrome at 200 to 300 dpi | | | |
| | Output Format | Color: 24 bit, 8 bit/4 bit; Grayscale: 8 bit, 4 bit; Monochrome: 1 bit | | | |
| | Optical Resolution | 600 DPI (Output Resolution: 50 to 600dpi (adjustable by 1dpi increments), 1200 dpi. | | | |

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As per Comparative Statement the Company M/s. ICL International (Pvt.) Ltd. has quoted rates as given below:

| | Description | | | Total Qty | Unit Price (Rs.) | Qty. Price (Rs.) |
|-----|---|-----|-----|--------------|------------------------|---------------------|
| 1 | WIRING/WIRING ACCESSORIES | 1 | T | | | |
| 1.1 | Circuit wiring from DB to switch board with 2 x 2.5 sqmm + ECC 1 x 2.5 sqmm, 1 - core PVC wire in appropriate size of PVC | 18 | No. | | | |
| 1.2 | Wiring of light point from switch board to point with 1.5 sqmm common neutral of 2.5 sqmm and common ECC of 1.5 sqmm wires in specified / appropriate size of exposed / concealed PVC conduit complete. | 90 | No. | | | |
| 1.3 | Same as Item # 2 wiring from point to point | 80 | No. | | | |
| 1.4 | Wiring of 5A / 15A switches sockets for computers units from DB to first outlet with following size of wires in specified / appropriate size of concealed PVC conduit. | | | | | - |
| | a. 2x2.5sq mm + ECC 1x2.5sq mm | 15 | No. | | | |
| | (for Normal power from DB - Normal) | | | | | |
| | b. 2x2.5 sqmm + ECC 1x2.5 sqmm | 15 | No. | I Job | | 2860747 |
| | (for computer power from DB-computer) | | | | | |
| 1.5 | Same as item 01 but wiring from out let to outlet. | | | | | |
| | a. 2x2.5sq mm + ECC 1x2.5sq mm. | 45 | No. | | | |
| | b. 2x2.5 sqmm + ECC 1x2.5 sqmm | 45 | No. | | | |
| 1.6 | Wiring of split type AC unit from DB to AC unit with 2x6.0 sqmm wire with ECC in PVC conduit complete in all respects. | 10 | No. | | | |
| 1.7 | Supply and installation of Following sizes of PVC/PVC multi-core cable Pakistar/Pioneer cable for main supply, from energy meter to DB and DB to DB complete. | | | | | |
| | a, 4x 35 sqmm PVC / PVC Cable | 200 | Rft | | | |
| | b, 4x 16 sqmm PVC / PVC Cable | 80 | Rft | | | |
| | c, 4x 10 sqmm PVC / PVC Cable | 75 | Rft | | | , |
| 1.8 | Supply and installation of PVC conduits of following size, for Electrical / Telephone / Computer wiring. | | | | , | |

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| Ĺ | with motorized Screen. | 1 | | | I | 1 |
|-----|---|----------------|------|-------|---|---------|
| | The section of this transfer of the section of the | | 1 | | | |
| | - Ve | in francischer | 14-0 | | | |
| | Split Air conditioner tower 4 | | | | | 9 |
| | tons. With complete installation, materials & matching stabilizers | 2 | Set | | | |
| 4 | COMPUTER SYSTEM | | | 57,8 | | |
| 4.1 | Wireless Access Router 10/100/1000Mbps LAN Ports Simultaneous 2.4GHz 300Mbps and 5GHz 300Mbps of total available bandwidth 2*USB Ports - Easily share a printer locally and files & media with networked devices or remotely via FTP server Full gigabit ports ensure ultimate transfer speeds Achieves blazing WAN to LAN throughput of over 800Mbps with hardware NAT Guest Network Access provides secure Wi-Fi access for guests sharing your home | 4 | No. | | | |
| 4.2 | or office network. 24 Port, 19 inch Patch Panel for Data communication Straight, Flush Mount, 1 RU equipped with 24 nos. Cat-6 Unshielded RJ45 information outlet including labeling complete in all respect. | 4 | No. | 1 Job | | |
| 4.3 | Category 6, UTP Cables, for data communication system at local workstations in already laid 25mm dia PVC conduits under floor as shown in the layout plan and schematic diagrams. Work includes all terminations, management and tagging at both ends. | 14000 | Rft | | | |
| 4.4 | Workstation wall mounted Information outlet having Single Face plate with 1No. CAT-6 RJ-45 socket for Data/Voice communication system including shuttered click-ins, labels, jacks etc. Complete in all respects with cable identification tags. | 65 | No. | | | |
| 4.5 | 1 meter long CAT_VI Patch Cord | 65 | No. | | | |
| 4.6 | 3 meter long CAT_VI Patch Cord | 65 | No. | | | |
| 4.7 | Comprehensive Testing and commissioning of complete structured cabling at both end. | 1 | Job. | | | |
| | FIBER CABLING | | | | | |
| 4.8 | 8 Core Outdoor Multimode, Single Jacket/Single Armor, Low Smoke Zero Halogen (LSZH), Gel-Free, Stranded Loose Tube Cable 3M Make. | 1200 | Rft | 1 Job | 4 | 1241844 |
| 4.9 | LC-PITAIL Multimode | 16 | No. | 1 300 | | |
| 4.1 | Charges for Splicing of Fiber Cores | 16 | No. | | - | |
| | 8-Port , 19 inch Optical | 4 | | | | |

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| | Providing and laying first class block masonry walls 6" thick set in (1:3) cement sand mortar, without plaster, complete in all respect. | 2000 | Sft | 1 Job | | 479415 |
|----|--|--------|------|-------|---|---------|
| 3 | SURFACE RENDERING | | | | | |
| | Providing and laying ½" to ¾" thick cement sand plaster (1:4) to both sides of walls making edges and corners, preparation of surface before plastering, finishing scaffolding, curing etc. complete in all respect. | 4000 | Sft | 1 Job | | 351571 |
| _ | FLOODING | | | | | |
| 4 | Porcelain Tiles: Providing and laying 16" x 16" OR 24" x 24" approved porcelain tile flooring of "Master" China made, with dry bond including ,joint filling with approved matching grouting, cutting tiles where required etc. complete in all respect. | 12,000 | Sft | 1 Job | | 2301190 |
| 5 | SKIRTING | | | | | |
| | Providing and installation, in position where required, tile skirting as per drawing complete in all respects. | 3,000 | Rft | l Job | | 527,356 |
| 6 | DMS Room | | | | | |
| | Making new DMS (Documents Management System) room for scanning, archival printing of documents. Complete with block masonry work plaster and paint as per site visit. | 1 | Job | I Job | | 151815 |
| 7 | Workstation for DMS Room | | | | | |
| | Providing and fixing new wooden work station, Formica finished wooden edging, complete with drawer unit and key board tray with low height partition. Complete in all respect. | 4 | Nos | I Job | | 159805 |
| 8 | Filling Rack for DMS | | | | | |
| | Room Providing and fixing Metal Filing Rack with 16" Deep and 6' Feet Height and width approx 6' Feet with framing for filing in approved color. | 1000 | Sqt. | l Job | | 351571 |
| 9 | Iron Door for DMS Room (Imported) | | | | | |
| | Provide and installation of Heavy Duty Iron Door with metal frame and Metal Body Locks & Handles. | 2 | Nos | l Job | | 11186 |
| | WOOD WORK | | | | | |
| 10 | DOORS | | | | | |
| | Providing and fixing polish finened flush doors, with new wooden frame, lipping on all sides of the door with fitting, door looks, high quality hinges, etc. Complete in all respects. | 10 | Nos | I Job | 1 | 103873 |

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| | Grand Total | | | | 22,486,632 |
|----|--|------|-----|-------|------------|
| 28 | Beautification and Designing of entrance wall of reception area. | 1 | job | l Job | 95883 |
| 27 | Providing and fixing of vertical / horizontal windows blind imported | 500 | sft | I Job | 59927 |
| 26 | Providing waiting area single seater sofa. | 15 | Nos | I Job | 207746 |
| 25 | Providing high back officers chairs. | 20 | Nos | I Job | 527356 |
| 24 | Providing staff visitors chairs as per design.chaister Make. | 60 | Nos | I Job | 799024 |
| | Providing and fixing new officers desk with side racks size 3'-6"x1'-6", table size 5'-0"x2'-6". Complete in all respect. | 20 | Nos | l Job | 135115 |
| 23 | OFFICERS DESK | | | | 7 3- |
| | Providing and fixing new wooden work station, Formica finished wooden edging, complete with drawer unit and key board tray with low height partition. Complete in all respect. | 38 | Nos | l Job | 1487783 |
| 22 | WORK STATION | | | | |
| | FURNITURE | | | | |
| | Providing and fixing MS grills on existing Glass windows, made by 1/2 x 1/2 sqaure bars with 6x6 c.c II around 1x1 angles. Finished in paint. Complete in all respect. | 400 | sft | I Job | 127844 |
| 21 | MS GRILL | E-1- | 1 | PASS. | |
| | Supply, making and Installation of wooden partition consisting of internal partal wood framing 24" x 24" with ½" MDF sheet pasted both side with appropriate size of grooves. | 600 | sft | I Job | 191766 |
| 20 | WOODEN PARTITION WALL | 1 | | | |

- The Committee recommended for purchasing the whole items as per BOQ Except Item# 08 and 19 from, In order to meet the budgeted cost of the tender.
- The Committee has recommended to purchased according to availability of funds in ADP No:396 by choosing the items by Increasing or Decreasing and Dropping of any item in consideration with the essential requirements of "Refurbishment of Finance and Accounts Department for One Window Operation, F&A, KMC ADP # 396 as detailed below:

| Item No. | Actual Qty. | Increase/Decrease/ Drop (+) (-) (0) Qty. | Revised Qty |
|----------|-------------|---|-------------|
| No. 08 | 01 | Drop (0) | Nil |
| No. 19 | 01 | Drop (0) | Nil |

All the above mentioned items are drop according to availability of Funds in ADP NO:396.

Note: The rest of items are the same as per quantity.

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| 2 | Smoke Detector with Base | 10 | UK | 1 | 1 | 1 |
|----------|---|-----------|--|--------|---------|---------|
| 3 | Fire Alarm Bell 6" | 2 | UK | | | |
| 4 | Sounder Flasher | 2 2 | UK | K | | |
| 5 | Abort Switch | 2 | ÜK | 1 | | |
| 6 | Wiring 2C x 1.5mm Fire Resistance Cable | 1 | JOB | | | |
| 7 | Installation, Testing & Commissioning | 1 | JOB | | | |
| | Sub Total | 排作 | 14 | STOCK. | | - |
| 2 | Air Breathing Apparatus | 1 | ŲK | | | |
| 3 | Fire Extinguisher CO2 Type 5-KG | 4 | UK | | | |
| | | | | | | |
| 2 | CABLE TRAY Supply and Installation of 8" x 3" size of Cable Tray Powder coated without cover. | 340 | Rft | | 1706 | 580125 |
| | | 1 | <u>. </u> | | | |
| 3 | CCTV Supply and Installation | | - | - | - | |
| 3.1 | Stand Alone 16 Channel Real Time Stand Alone Network Digital Video Recorder (DVR) With DVD- Writer & 02 T.B HDD, Complete with all respects. | 1 | No. | | | |
| 3.2 | Providing Licensed (CMS) IP (LAN / WAN) Remote Viewing Software for 01 ~ 64 Cameras Complete with all respects | 1 | No. | | 1010691 | 1010691 |
| 3.3 | Metal Doom Day / Night & Night Vision Camera With Auto Iris & Veri Focal (2.8 ~ 12mm) Lens With IP 67 Housing Complete with all respect. | 16 | No. | | | |
| | | | | | | |
| 4 | DOOR ACCESS SYSTEM | | | | | |
| 4.1 | Network Proximity Access Control. | 4 | No. | | | |
| 4.2 | ERB Proximity Sub Reader For Exit Identity. | 4 | No. | | | . 6 |
| 4.3 | Licensed Powerful In / Out & Time Attendance Software. | 1 | No. | | | |
| 4.4 | Dead Bolt / Electro Magnetic Lock SL-200 / UB-200 | 4 | No. | | | |
| 4.5 | RS 485 / 232 OR TCP / IP Interface Converter | 1 | No. | | 63026 | 252107 |
| 4.6 | Power Supply 12VAC, 3AMP For UPS Backup. | 4 | No. | | | |
| 4.7 | Proximity Card ISO Standard Size and Thickness, Thin, Flexible Polyvinyl Chloride Laminated, Passive Type, easy Printable on Both Sides. | 50 | No. | | | 34 |
| 4.8 | Installation Charges With Testing, Commissioning & Training. | 1 | Job | | V | |
| | | | | | | |
| <u>5</u> | TEMPERATURE HUMIDITY AND WATER SENSOR SENSAPHONE WEB600 Made in USA | | | | 1112339 | 2224678 |

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| 9.1 | Closing the exiting Door/ Windows with new block masonry wall including with both side plaster. | 1000 | Sq.ft | | 365625 | 365625 |
|-----------|--|------|-------|-----------|--------|--------|
| 40 | Marriada An adilprater de Con | | | - | | |
| 10 | PAINT WORK | | 1 | | | * |
| 10.1 | Apply Paint Work in New and Existing Walls in Matt Finish Make ICI. | 2000 | Sq.ft | 122 (186) | 613728 | 613728 |
| 10.2 | Anti-Dust paint on floor. 4 coats | 650 | Sq.ft | | | |
| 11 | FLOOR TILES | | | | • | |
| 11.1 | Providing and Laying of 16"x16" Porcelin Tiles UAE Brand in NOC Area. | 550 | Sq.ft | | 731.25 | 402187 |
| | | | | | | |
| 12 | WINDOW BLINDS | | | | | |
| 12.1 | Providing and Fixing of Vertical/Horizontal Windows Blinds Imported. | 150 | Sq.ft | | 261.16 | 39174 |
| 13 | FURNITURE FOR NOC | | | | | |
| 13.1 | AREA NOC Console furniture, imported with high back lift chairs L shape (for DBA etc. and directly associated equipment, like PC, printer, etc | 6 | No. | | 259426 | 259426 |
| 13.2 | Executive Tables with Chairs. | 1 | No. | | - | |
| <u>14</u> | G.I SHEET CLADDING | | | | | |
| 14.1 | Cladding / Covering of Outside Electrical, Data Communication cables and Air-conditioning piping | 200 | Sq.ft | | 226339 | 226339 |
| <u>15</u> | POWER WIRING FOR DATA CENTER | | | | | |
| 15.1 | Supply and Installation of 32 AMPS Industrial Socket 3-Pin Clipsal Make. | 40 | No. | | | |
| 15.2 | Wiring for 32A Industrial with 3-Core 4 Sq.mm Multicore Cable Socket from DB to first outlet with following size of wires in appropriate size of PVC conduit under floor / wall as required. | 1500 | Rft. | | | |
| 15.3 | Circuit Wiring of 5A / 15A switches sockets for computers units from DB to first outlet with 3 x 2.5 sqmm. + 1 x 2.5sqmm PVC Single Core Cable in specified / appropriate size of concealed PVC conduit. | 6 | No. | | 723415 | 723415 |
| 15.4 | Circuit Wiring of 5A / 15A switches sockets for computers units from outlet to outlet with 3 x 2.5 sqmm. + 1 x 2.5sqmm PVC Single Core Cable in specified / appropriate size of concealed PVC conduit. | 10 | No. | | | |
| 16 | MAIN POWER SYSTEM FOR DATA CENTER | | | | | |

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| | The UDB-A & B shall be provided with a main incoming circuit breaker of appropriate rating and min 24x16A double pole circuit breakers plus 3x10A DP circuit breakers for rack power distribution system. Any one of UDB shall comprise of a Bus Coupler of same rating with interlocking arrangements for manual energization of both paths, in case of failure of any one ups/upstream distribution system. Panel shall be equipped with all monitoring / metering devices. (S.A ELECTRIC, HUSSAIN & CO, TAJ ENGINEERING MAKE, AREVA MAKE.) | 0.00 | TAGE VIEW TRANS | · 整理之間 | 194651 | 389303 |
|------|---|------|-----------------|--------|--------|--------|
| 16.3 | DBC - (User Power) | 1 | No. | | 127795 | 127795 |
| 16.4 | DB-E (Lighting + Normal Power) | 1 | No. | | 127795 | 127795 |
| 16.5 | DB-AC (Air Condition Power) | 1 | No. | | 127795 | 127795 |
| 16.6 | Supply , installation, testing, termination and commissioning of following Single core / Multi-core PVC insulated Copper Conductor Cables for Main/Sub-main Power distribution system in already installed conduits, Cable tray e.t.c, Work also includes necessary termination accessories like compression lugs, color coded sleeves, identification tags etc. | | | | 0045 | |
| | a, 4 x 95 sqmm | 200 | Rft | | 2245 | 449047 |
| | b, 4 x 35 sqmm | 100 | Rft | | 957.58 | 95758 |
| 17 | GROUNDING & BONDING Providing , installation , testing and commissioning of following items for earthing & bonding system of complete data center including all material, boring, labor, tools, transportation, accessories etc. Complete in all respects including detailed test reports. | | | | | |
| 17.1 | High Conductivity Active Green Earth Station using 38 mm dia tin plated copper pipe including 6" dia, 11' deep boring and earth enhancement electrolytic compound. Earth station shall be provided with inspection chamber and heavy duty round MS cover, painted with anti rust paint. The earth lead shall be terminated at the copper pipe using proper cad weld jointing method. | νν | Nos. | | 209103 | 418205 |

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| 1 | Precision cooling | 1 | 1 | 1 | | 1 |
|------|---|----------------|------|----------|---------|---------|
| | (12.5kW) inverter type | | | | | |
| | comfort AC including | 1002 | | 12 | | |
| | indoor & outdoor unit | 1.00 | 1 | 18 | | |
| 19.1 | Upflow Plenum, Power | 2 | No. | | | |
| | Supply 400V/3PH/50Hz, | 7.00 | | | | |
| | Refrigerant R407C. | | | | | |
| | Designed for 24x7 | | | | 4504004 | 0000000 |
| | operation | 0.003 | 1 | 100 | 1504634 | 3009268 |
| | Floor Standing Unit (2 1/2 | Store Contract | 1 | CARALLY. | | |
| | Ton) inverter type | | | | | - |
| | comfort AC (Cool only) | | | | | |
| | including indoor & outdoor | | | | | |
| | unit operated at 230 v,50 | | | | | |
| | HZ, 1 phase with complete | | | | | |
| | in all respect. USA | | | | | |
| 19.2 | /Japan/Korea Origin | 2 | No. | | 257679 | 515357 |
| | Sequential A/C Control for | | | | | |
| | AC's inside Power room. | | | | | |
| | Control shall be configured | | | | | |
| | so that one split AC remains operational for 12 | | | | | |
| | hours and the other one | | | | | |
| | remaining 12 hours. | | | | | |
| _ | Wall mount Unit (2.0 ton) | | | | | |
| | inverter type comfort AC | | | | | |
| | (Cool only) including indoor | | | | | |
| 19.3 | & outdoor unit operated at | 4 | No. | | 195000 | 780000 |
| 19.3 | 230 v,50 HZ, 1 phase with | 7 | 140. | | 193000 | 780000 |
| | complete in all respect. | | | | | |
| | USA /Japan/Korea Origin. | | | | | |
| | De-humidifier unit | - | | | | |
| | De-Hamilainer anic | | | | | |
| | Dehumidifier Features |] | | | | |
| | Adjustable Humidistat – A | 1 | | | | |
| | system that turns the | | | | | |
| | dehumidifier on and off | | | | | |
| | automatically to maintain a | | | | | |
| | preset humidity level | | | | | |
| | Digital Display – A display | 1 | | | | |
| | of current relative humidity | | | | | |
| | levels and settings | | | | | |
| | Automatic Shut-Off – A | 1 1 | | | | |
| | standard feature that shuts | | | | | |
| | off the dehumidifier when | | | | | |
| | the tank is full | | | | | |
| | Drain Hose Connection – | 1 1 | | | | |
| | A connection that allows | 1 1 | | | | |
| | you to bypass the bucket in | | | | | _ |
| | a portable dehumidifier and | | | | | |
| | empty water into a hose | | | | | |
| | leading to a drain | | | | | |
| | Automatic Defrost – A | 1 . 1 | | | | |
| | system that saves energy | | | | | |
| a, | by automatically shutting off | 2 | | | 202244 | 700400 |
| | the unit if frost forms on the | Nos. | | | 393241 | 786482 |
| | coils, preventing proper | | | | | |
| | operation | | | | | |
| | Multi-Speed Fan – A type | 1 1 | | | | |
| | of fan that runs at slower | | | | | |
| | speeds in less humid | | | | | |
| | conditions, reducing noise | | | | | |
| | and energy consumption | | | | | |
| | Built-in Pump – A system | | | | | |
| | that allows you to run the | | | | | |
| | drain hose up to a window, | | | | | |
| | sink or elevated drain | | | | | |
| | - Cofety Lieting: A | | | | | |
| | Safety Listing: A | | | | | |
| | guarantee that an | | | | | |
| | independent testing | | | | | |
| | agency, such as Underwriters Laboratories | | | | | |
| | (UL mark), | | | | | |
| | Intertek (ETL mark) or the | 1 | | | | |
| | Canadian Standards | | | | | |
| | Association (CSA mark) | | | | | |
| | has ensured the humidifier | | | | | |
| | is safe for its | | | | | |

| 20.4 | Category-6 Factory Certified tangle free RJ-45 to RJ-45 type patch cords in required colors having following lengths for interconnection of switches and patch panels. (Systimax Make) | what | 14 | 18 | | |
|----------|--|---------|-----------|--------|---------|------------|
| Α | 1 meter long Patch Cords. | 10 | No. | na din | 261.1 | 2611 |
| В | 3 meter long Drop Cords. | 60 | No. | | 510.7 | 30642 |
| <u>L</u> | IPS for Data Center & NOC E | quipmer | <u>ıt</u> | | | |
| 21 | Data Center UPS Rackable with Redundant UPS Module | | | | | |
| | 20KVA-40KVA N+1, Scalable upto 100KVA 400V 3-Phase. | 2 | Sets | | 2446655 | 4893339 |
| a | Alarms, Automatic internal bypass, Automatic self-test, Battery modules connected in parallel; Configurable for N+1 internal redundancy. Generator compatible, Hot- swappable batteries, Hot- swappable modules; Battery management, Modular design | | | | 66807 | 534456 |
| | . Scalable power capacity, UPS Management Software | | | | | |
| | Emerson or Equivalent | | | | | |
| | IP based PDU strips Min 20 sockets, digital indicator, Ethernet interface, Emerson or Equivalent | 4 | Nos | | | |
| | Total | | | | | 31,475,221 |

The Committee recommended for purchasing the whole items as per BOQ Except **Item# 01,07,19.5, 19.6, 20.3 and 20.4a** In order to have meet the budgeted cost of the tender.

The Committee has recommended to purchased according to availability of funds in ADP No:397 by choosing the items by Increasing or Decreasing and Dropping of any item in consideration with the essential requirements of Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts, KMC ADP # 397 as detailed below:

| Item No. | Actual Qty. | Increase/Decrease/Drop (+) (-) (0) Qty. | Revised Qty |
|----------|-----------------|--|-------------|
| No. 01 | Detail items | Drop (0) | Nil |
| No. 07 | Detail items | Drop (0) | Nil |
| No.19.5 | 04 | Drop (0) | Nil |
| No.19.6 | 01 | Drop (0) | Nil |
| No.20.3 | 50 | Drop (0) | Nil |
| No.19.3a | 02 | Decrease (1) | 01 |
| No.20.4a | 10 | Drop (0) | Nil |
| No. 21 | 02 | Decrease (1) | 01 |

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- ii) Refurbishment of Finance & Accounts Department, KMC for One Window Operation ADP#396 of 19,977,695 Million (Rupees nineteen million, Nine hundred and seventy seven thousand, six hundred and ninety five only) and giving permission to sign a contract agreement with the Company (M/s. ICL International (Pvt.) Ltd.) and Issuance of Work Order on the basis of availability of fund in current F.Y. 2015-16.
- iii) Data-Centre/Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts, KMC of Rs.Rs.19,997,965 Million (Rupees nineteen million, Nine hundred and Ninety seven thousand, Nine hundred and sixty five only) and giving permission to sign a contract agreement with the Company (M/s. Computer Marketing Co. (Pvt.) Ltd. and Issuance of Work Order on the basis of availability of fund in current F.Y. 2015-16.

Muhammad Nawaz Khan Director (Accounts Deptt.) KW&SB

Agha Nafees Executive Engineer, L.D.A.

Khalid Fahim Khan Project Director WVSSS) /

Shahabuddin Sabir Director, Public Relation, MDA

Kamal Ahmed Siddiqui Director (IT) C&A Muhammad Abdul Nasir Director (IT) SWD Convener

M. Masood Alam Sr. Director (IT)

Chairman





edoit@karachicity.gov.pk
URL: www.karachicity.gov.pk



INFORMATION TECHNOLOGY DEPARTMENT

KARACHI METROPOLITAN CORPORATION (DEFUNCT CDGK)
2nd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IQBAL, KARACHI

Ref. No. KMC / Sr. Director/ IT/ 2016 / 226

Dated: 12 05 2016

Manager (CB)

Sindh Public Procurement Regulatory Authority (SPPRA), Govt. of Sindh,

Barrack # 8, Sindh Secretariat No. 4-A, Court Road, Karachi.

Sub: Technical BID Evaluation REPORT of the Tenders with Name of works as detail:-

"INTEGRATED FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)"

- 1. Up gradation of IT Infrastructure (Hardware) for IFMIS of F&A, KMC.
- 2. Refurbishment of F&A Department KMC for One Window Operation.
- 3. <u>Data-Centre / Front End Lab Infrastructure Up Gradation / Expansion of F&A KMC.</u>

With reference to the above mentioned tenders, You are requested to arrange for placing the (03) Nos. "**Technical BID Evaluation Reports**" on SPPRA Website at the earliest.

Director (IT)

Encl: as above along with necessary documents.

Copy for information to the:

- 1. Administrator, KMC.
- 2. Metropolitan Commissioner, KMC
- 3. Sr. Director (IT), KMC
- 4. M.D. Sindh Public Procurement Regulatory Authority, Karachi with a request to place it on SPPRA Website / portal.
- 5. Addl. Director, Computer / Web Section, Administrator Secretariat, KMC, with a request for placing the same on KMC Web portal.
- Master File.

TENDER FOR "FINAL EVALUATION REPORT OF TECHNICAL PROPOSAL OF UP-GRADATION OF INFORMATION TECHNOLOGY INFRASTRUCTURE (HARDWARE) FOR IFMIS OF F&A, KMC

| - | | Sr. |
|--|-----------|---|
| M/s ICL International Private Limited. | | Name of Firm |
| 10 | 10 Points | Years of Establishment |
| 10 | 10 Points | Projects Completed, attached completion certificate. |
| 55 | 5 Points | , 24 X 7 Customer Support |
| Øi. | 5 Points | Maintenance of Project |
| 20 | 20 Points | Tier One Business & Service Partnership |
| 15 | 15 Points | Teams |
| Ot. | 5 Points | Qualification with reputable Clients |
| Oi. | 5 Points | Litigation History |
| Un Un | 5 Points | Returns: Submissio n of Tax Returns |
| Si . | 5 Points | Compliance to installs the hardware with software in line with scope of work |
| SA | 5 points | Compliance to work to data centre. Attached proof |
| S) | 5 points | Working capital |
| ýs. | 5 points | Average gross revenue for the last 3 years in maintenanc e contracts of similar nature. |
| 100 | Points | Total (100) |

| | | | | | | The same of the sa | | | | |
|--|---|-----------------------------------|---------------------------------|-----------------------------|----------------------------|--|-------------------------|--|-----------|---|
| 7 | 0 | UT | 4 | ω | 2 | ሥ | Sub | _ | | Sr. |
| Mr. Zakir Hussain | 6 Mr. Siddiqui Ashraf | 5 Mr. Muhammad Imran | Mr. Arif Khan | 3 Mr. Jehangir khan | 2 Mr. Syed Zakir Abbas | 1 Mr. Muhammad Ashraf (Incharge) | Sub Committee Members:- | M/s ICL International Private Limited. | | Name of Firm |
| (Member) | (Member) | (Member) | (Member) | (Member) | (Member) | (Incharge) | | 10 | 10 Points | Years of Establishment |
| Program Officer, I.T Deptt: | Dy. Director | Dy. Director | Program Officer, I.T Deptt: | Program Officer, I.T Deptt: | Addl: Director, I.T Deptt: | Director, (Computer), F&A, KMC- | | 10 | 10 Points | Projects Completed, attached completion certificate. |
| ficer, I.T D | r, (Comput | r, (Comput | ficer, I.T D | ficer, I.T D | tor, I.T De | omputer), | | Si | 5 Points | 24 X 7 Customer Support |
| eptt: | Dy. Director, (Computer), F&A KMC | Dy. Director, (Computer), F&A KMC | eptt: | eptt: | ptt: | F&A, KMC | S | Si | 5 Points | Maintenance of Project |
| Pakin | 0 | C de for | 8 | A. | N. A. | Though to | SIGNATURE | 20 | 20 Points | Tier One Business & Service Partnership |
| 7 | ANNE 6 | 5 | 4 | ω | 2 | Char 1 | | 15 | 15 Points | Teams |
| Mr. Shahab ud din Sabir | Mr. Muhammad Nawaz Khan | Mr. Agha Nafees | 4 Mr. Khalild Fahim Khan | 3 Mr. Muhammad Abdul Nasir | 2 Mr. Kamal Ahmed Siddiqui | Mr. Masøod Alam (Chairman) | Committee Members:- | oı | 5 Points | Qualification with reputable Clients |
| ıd din Sabir | nad Nawaz | ees | ahim Khan | nad Abdul I | ımed Siddi | Alam (Chai | nbers:- | IJ, | 5 Points | Litigation History |
| | Khan | | | Vasir | qui | rman) | | Oi. | 5 Points | Returns: Submissio n of Tax Returns |
| Director, Puk | Director, Acc | Executive En | Director, (Op | Director, (SWD), I.T KMC | Director, (C&A), I.T, KMC | Sr. Director, (I.T), KMC | | O. | 5 Points | Compliance to installs the hardware with software in line with scope of work |
| Director, Public Relation Deptt: (MDA) | Director, Accounts Deptt: (KW&SB) | Executive Engineer, (L.D.A) | Director, (Operation), I.T, KMC | VD), I.T KMC | ιΑ), Ι.Τ, ΚΜC | (I.T), KMC | | S | 5 points | Compliance to work to data centre. Attached proof |
| Deptt: (MD | (KW&SB) | 10 | KMC & | Z | | · < | 516 | On . | 5 points | Working capital |
| A) Vadeu | Se de la constant de | 7 | 1 | 3 | | Mund | SIGWATURE | S | 5 points | gross revenue for the last 3 years in maintenanc e contracts of similar nature. |
| 1 | | | | | / , | | | 100 | Points | Total (100) |

TENDER FOR " FINAL EVALUATION REPORT OF REFURBISHMENT OF FINANCE & ACCOUNTS DEPARTMENT KMC, FOR ONE WINDOW OPERATION.

| 2 M | | 1 M/ | _ | | Sr. |
|--|------------------|-----------------------|------------|---------------------|--|
| M/s A.G Enterprises | Private Limited. | M/s ICL International | | | Name of Firm |
| ٠ | h | 10 | TO LOUITS | 10 Dainte | Years of Establishment of Firm |
| | Un . | 10 | 10.1.01112 | 10 Points | Projects Completed, attached completion certificate. |
| | N/A | O. | 0 . 0 | 5 Points | 24 X 7 Customer Support |
| | N/A | o | | 5 Points | Maintenance of Project |
| | N/A | 10 | 10 | 20 Points | Methadology -1 |
| | N/A | 10 | 10 | 20 Points 10 Points | ISO 9000 Certified |
| | ů. | c | 2 | 5 Points | Teams |
| The second secon | 2 | | л | 5 Points | Qualification with reputable Clients |
| | On. | , | 'n | 5 Points | Litigation History |
| | O. | | אני | 5 Points | Returns: Submission of Tax Returns |
| | NA | | y, | 5 points | Compliance to installs the hardware with software in line with scope of work Attached Proof Compliance to work to data centre. Attached proof |
| | NA | | (J) | 5 points | Compliance to work to data centre. Attached proof |
| | 1 | , | IJ | Spoints | |
| | | 3 | יוט | 2 points | Average gross revenue for the last 3 years in maintenance contracts of similar nature. |
| | 23 | 70 | 99 | LOHIES | Total (100) |

| | | The second secon | The same of the sa | | - 11 - into | - | | | | CITILOI | COLLINA | and the same of | The state of the s | 200 | , | |
|----|----------------------------------|--|--|---------------|-------------|-----------|---------|-------------------|---|---------|---------------|--|--|--|-----------|----|
| | | 10 Points | 10 Points | S Points | STORIES | 11113 | 100 | 2 | <i>n</i> | h | Л | y, | Un . | O) | On. | 20 |
| | M/s ICL International | 10 | 10 | O) | U | 10 | 10 | c | r. | , | , | | | | | 00 |
| | Private Limited. | | | | V./ A | V/A | N/A | · · | 2 | On | O1 | N/A | N/A | 2 | 2 | 29 |
| | 2 M/s A.G Enterprises | On | S. | N/A | NA | MA | 27773 | , | | | | | | | | |
| - | | | | | | | | | | | | | | | | |
| | Sub Committee Members:- | | | | 510 | SIGNATURE | | 10 | Committee Members:- | bers:- | | | | | SIGNATURE | |
| | | | | | 7 | J. () | Place 1 | Mr. Mas | Mr. Masgod Alam (Chairman) Sr. Director, (I.T), KMC | airman) | Sr. Director, | (I.T), KMC | | | 2 Sound | \ |
| | 1 Mr. Muhammad Ashraf (Incharge) | (Incharge) | Director, (computer), F&A, NIVIC | mputer), Fo | A, NIVIC | non an | - S | | A Semon Sid | | Director (CS | Director (C&A) IT KMC | R | | , | |
| •- | 2 Mr. Syed Zakir Abbas | (Member) | Addl: Director, I.T Deptt: | or, I.T Deptt | | - S | 1 | IVII. Naiii | 7 INIT. Vallial Allillea Sidaida. | | | | \ | | \$ | |
| | 3 Mr. Jehangir khan | (Member) | Program Officer, I.T Deptt: | icer, I.T Dep | tt: | Fr. | ω | Mr. Muh | 3 Mr. Muhammad Abdul Nasır | | Director, (5V | Director, (SWD), 1.1 KIVIC | , < | · | 1 | |
| | 200 | (Member) | Program Officer, I.T Deptt: | icer, I.T Dep | it: | 3 | (| Mr. Khal | 4 Mr. Khalild Fahim Khan | | Director, (O | Director, (Operation), I.T, KMC | (MC | 13 | | |
| | | | 7 | 0 | ES. A KMC | ~ ~ | 5 | 5 Mr. Agha Nafees | Nafees | | Executive En | Executive Engineer, (L.D.A) | Sylvania Sylvania | - W - P | , | |
| | 5 Mr. Muhammad Imran | (Member) | by. Director, (computer), rock wind | , (computer | | 3 | | 77. 77 | well bemark | | Director Ac | Director Accounts Deptt: (KW&SB) | (KW&SB) | The state of the s | | |
| | 6 Mr. Siddiqui Ashraf | (Member) | Dy. Director, (Computer), F&A KMC | , (Computer |), F&A KMC | (Hicksh.) | | IAIL IAIM | O IAIL' IAIMIGUILIUM MANAGE SUICE | | , | District Control of the Control of t | ostt. (MDA) | Jan C | | |
| | | | | | | | | Mr Shah | 7 Mr Shahab ud din Sabir | | Director, Pu | blic Relation L | eptt: (IVIDA) | 2 | | |

7 Mr. Zakir Hussain

(Member) Program Officer, I.T Deptt:

TENDER FOR "FINAL EVALUATION REPORT OF DATA CENTRE / FRONT END LAB INFRASTUCTURE UP-GRADATION / EXPANSION OF FINANCE & ACCOUNTS DEPARTMENT KMC.

| 2 | - | | No Sr. | | | |
|--|--|---------------------------------------|---|--|--|--|
| M/s Computer Marketing Co. Private Limited | M/s ICL International Private Limited. | | Name of Firm | | | |
| 10 | 10 | 10 Points | Years of Completed Establishment attached of Firm completion certificate | | | |
| 9 | ∞ | 10 Points | | | | |
| 4 | 0 | 5 Points | 24 X 7 Customer Support | | | |
| yı. | y ₁ | 5 Points 20 Points 10 Points 5 Points | Maintenance of Project | | | |
| 15 | On | 20 Points | Methadology -1 | | | |
| 10 | 10 | 10 Points | ISO 9000 Certified | | | |
| On. | 2 | 5 Points | Teams | | | |
| Ui | o, | 5 Points | Qualification with reputable Clients | | | |
| 25 | Uh. | 5 Points | Litigation History | | | |
| O1 | 5 | 5 Points | Returns: Submission of Tax Returns | | | |
| SI. | 2 | 5 points | Compliance to installs the hardware with software in line with scope of work Attached Proof | | | |
| Si. | 2 | 5 points | Compliance to work to data centre. Attached proof | | | |
| Si . | 51 | 5 points | Working capital | | | |
| Si . | Si | 5 points | Average gross revenue for the last 3 years in maintenance contracts of similar nature. | | | |
| 93 | 69 | Points | Total e (100) | | | |

1 Mr. Muhammad Ashraf 6 Mr. Siddiqui Ashraf 5 Mr. Muhammad Imran 4 Mr. Arif Khan 3 Mr. Jehangir khan 2 Mr. Syed Zakir Abbas Sub Committee Members: (Incharge) (Member) (Member) (Member) (Member) (Member) Program Officer, I.T Deptt:

Dy. Director 10-Director, (Computer), F&A, KMC Just Mr. Masood Alam (Chairman) Sr. Director, (I.T), KMC Addl: Director, I.T Deptt: 45 (1.1) Dy. Director, (Computer), F&A KMC (HALL) 6 Mr. Muhammad Nawaz Khan Director, Accounts Deptt: (KW&SB) Dy. Director, (Computer), F&A KMC SIGNATURE 5 Mr. Agha Nafees 2 Mr. Kamal Ahmed Siddiqui Director, (C&A), I.T, KMC 4 Mr. Khalild Fahim Khan Committee Members: Director, (Operation), I.T, KMC Executive Engineer, (L.D.A)

Mr. Zakir Hussain

(Member)

Program Officer, I.T Deptt:

7 Mr. Shahab ud din Sabir

Director, Public Relation Deptt: (MDA)



INFORMATION TECHNOLOGY DEPARTME KARACHI METROPOLITAN CORPORATION (DEFUNCT CDGK)

KARACHI METROPOLITAN CORPORATION (DEFUNCT CDGK)
2nd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IQBAL, KARACHI

"INTEGRATED FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)"

Tender for: "Up Gradation of IT Infrastructure (Hardware) for IFMIS of F&A, KMC

Opening of Technical Bid Dated: 19-02-2016

Attendance Sheet
(Tender Opening Committee)

| Name Designation & Department Mobile Manual Address Hohmand Assis No. 1. Nasis N | | \$ | 7 | 26 | 5) | 4. / | 'n | <u>ب</u> | / / | S. No. | |
|--|--|----------------|-------------|--------------|---------------|-----------------|---------------------|-----------------------|----------------------------|-------------------------------|-------------------------|
| mation & Department Telephone / Fax#/ Mobile Email Address Ini Mobile Email Address Email Address CET), KWE. Coap Ch. Rat Aceth Cofficer 6300-2166152 DDA DDA DDA DDA DDA DDA DDA D | | Energlish Sion | Nages Alver | Name | m. A. Nasix | JOHAMMAD ASHRAF | dialit falin below. | Jamel Ahund Robbigusi | M. Masors Man | Name | |
| Telephone / Fax# / Ini Mobile Email Address Ini Rep 3421371 Slew 43765md. C. 300-21661521 30134162 30134162 30134162 | | DPA | EE LDA !! | Aceth of | JUM, (LI) LIG | Dir Coup the Ru | Div (IT), KNG. | Dii (Z.T) | それに | Designation & Department | Trender Obening Comming |
| E LE | | J | 030H34K2 | 6300-2166152 | | | | 0300-2711021 | 1251 the Carp | Telephone / Mobile | 200 |
| | | 1889 | | Built and | | The same | Day. | | clan 437 Pgme. cm (5 19216 | Fax# / Email Address Initials | |





"INTEGRATED FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)"

Tender for : Refurbishment of F&A Department KMC for One Window Operation

Opening of Technical Bid Dated: 19-02-2016

Attendance Sheet

| Name Name Designation & Department M. M. S. M. Masir Realist Falin Rean. Nord Acheal Mohamuel Nama Rham. S. Wasser Park S. Wasser Park | Designation & Department Designation & Department Dix IT MAC When Dix LT MAC Solve Are the Makes FELLE LDAN A Stoldigue Dix (T.T) | Designation & Department Designation & Department Dix Dix LT KMC Clan Dix LT KMC Shir Arche Bhica of Sholdighi Dix (T.T) Shir Arche Bhica of Sholdighi Dix (T.T) |
|--|---|--|
| TE DOD 27 B. | Designation & Department Designation & Department Dix II KMC Dix II KMC Dix LT KMC Dix Combute Ohn's. E E L D AM Dix (T.T) | Telephone / Designation & Department Mobile Telephone / Mobile Telephone / Mobile Dix II MAC Dix LT KMC Dix LT KMC Dix LT KMC Dix Acult Ohn's. E L L A All 03-213426152 Dix (T.T) Dix (T.T) Dix (T.T) |
| | | Telephone 1 Mobile 03543434371 0357371851 |





INFORMATION TECHNOLOGY DEPARTMENT

KARACHI METROPOLITAN CORPORATION (DEFUNCT CDGK)
2nd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IQBAL, KARACHI

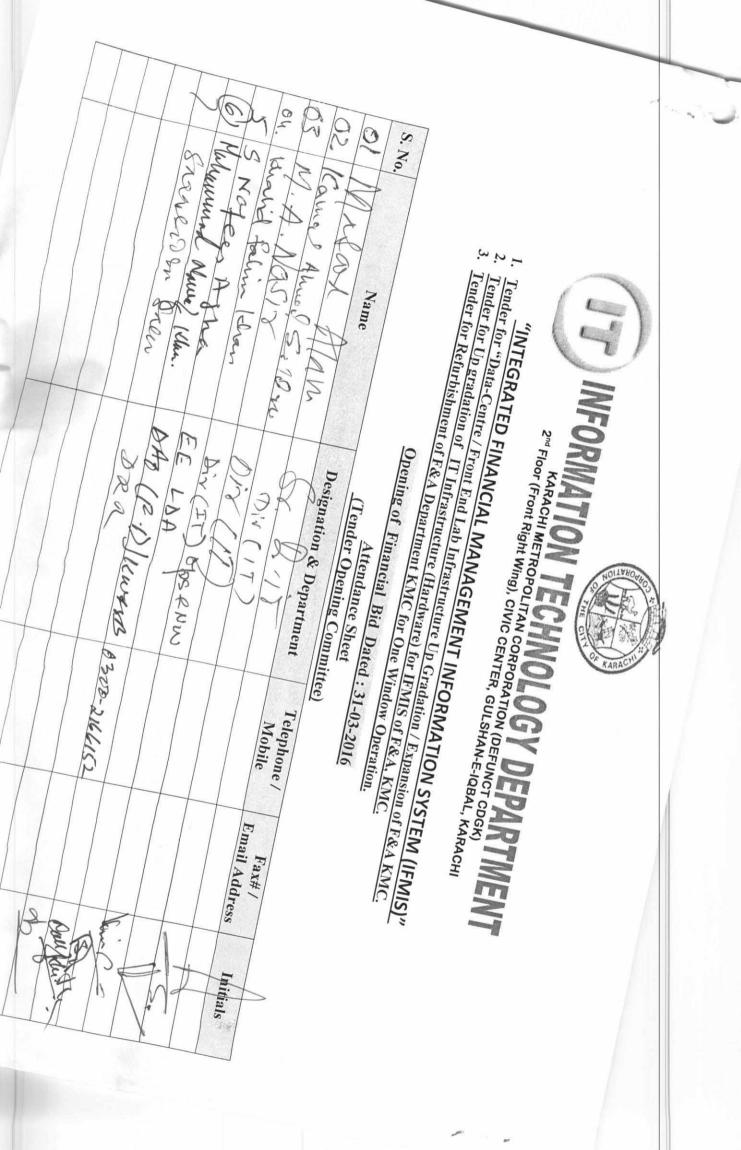
"INTEGRATED FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)"

Tender for: "Data-Centre / Front End Lab Infrastructure Up Gradation / Expansion of F&A, KMC

Opening of Technical Bid Dated: 19-02-2016

Attendance Sheet
(Tender Opening Committee)

| 1 | | 0300-2711021 | bu (IT) | Convert Showed Siddignis | ~ ~ |
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| The state of the s | | 0300-2166152 | why Acells officer Kinss 0300-2166152 | US Mohammad Namey Khun | 4 50 |
| the second | | | Dir Coap. Clar (FEA | Nous Buens | 04. |
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| - | , | | DIX IT KMC | m. A. Nasiz | 02 |
| 2 | alom 4370 pod.c | 1100000 | San De 17 | M-Masond Man | 2 |
| Initials | Fax#/ Email Address | Telephone / Mobile | Designation & Department | Name | S. No. |





KARACHI METROPOLITAN CORPORATION (DEFUNCT CDGK) 2nd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IQBAL, KARACHI

"INTEGRATED FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)"

Tender for: "Data-Centre / Front End Lab Infrastructure Up Gradation / Expansion of F&A KMC Information Technology Department, KMC"

Opening of Technical Bid Dated: 19-02-2016
Attendance Sheet (Companies)

| Name Company Telephone / Fax# / Mobile Email Address Mohamman Ray Mohamman B Rizwaw TCL Company Company Telephone / Email Address Mohamman D Rizwaw TCL Company Company Mobile Company Mobile Company Mobile Mobile Email Address Company Osis-3214550 Rizwaw Arm Osis-3214550 Rizwaw Arm |
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DRMATION TECHNOLOGY DEPARTM KARACHI METROPOLITAN CORPORATION (DEFUNCT CDGK) 2nd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IQBAL, KARACHI

"INTEGRATED FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)"

Tender for: Refurbishment of F&A Department KMC for One Window Operation.

Opening of Technical Bid Dated: 19-02-2016 Attendance Sheet (Companies)

| S. No. Name | Company Company | Telephone / Mobile | Fax#/ Email Address | Initials |
|--------------|------------------|-------------------------|------------------------|----------|
| 1. RASHID | 1. G. Embyroc | 0000.0000 | | |
| 2 M. B. ZWAW | TCC | 0315-3214550 RICWAW. Am | BICHAN ANN | () |
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NEORMATION TECHNOLOGY DEPARTMENT

KARACHI METROPOLITAN CORPORATION (DEFUNCT CDGK)

2nd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IQBAL, KARACHI

"INTEGRATED FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)"

Tender for: Up gradation of IT Infrastructure (Hardware) for IFMIS of F&A, KMC.

Opening of Technical Bid Dated: 19-02-2016

Attendance Sheet (Companies)

| | | | 8 | 3 | | S. No. Name | |
|--|--|--|---|-------------|-------------------------------|-----------------------|-----------------|
| | | | | M. Riz WAN | > | ne | |
| | | | | | | | |
| | | | | + (- (- | 7/ | Company | Attendance same |
| | | | | | 0315-321455 | Telephone / Mobile | |
| | | | | @TCl.com.PK | 0315-32145517 Bick # 14 Haven | Email Address | For# / |
| | | | | | 2 | | Initials |



KARACHI METROPOLITAN CORPORATION (DEFUNCT CDGK) 2nd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IQBAL, KARACHI

"INTEGRATED FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)"

Tender for: Refurbishment of F&A Department KMC for One Window Operation.

Opening of Financial Bid Dated: 31-03-2016

Attendance Sheet (Companies)

| | | | | 1-3- | S. IVO. IVamo | o No | |
|--|--|--|--|-------------------------|--|------------------------|------------------------------|
| | | | | Syed Hohi w Blace Sabn | | | |
| | | | | (CL International Conto | John 314-20. 101 diegos iga 2011/1012-5420 1117 1000 | Company | Attendance Sheet (Companies) |
| | | | | | 8)7/6/2-C420 | Telephone / | |
| | | | | | mobilisabrio la | Fax#/ Email Address | |
| | | | | | J. 2 - 2 - 15 | Iniliais | Taitiale |



NFORMATION TECHNOLOGY DEPARTMEN KARACHI METROPOLITAN CORPORATION (DEFUNCT CDGK) 2rd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IQBAL, KARACHI

"INTEGRATED FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)"

Tender for Up gradation of IT Infrastructure (Hardware) for IFMIS of F&A, KMC.

Opening of Financial Bid Dated: 31-03-2016 Attendance Sheet (Companies)

| | | | 1 S. Mohi w Islam Cahni | S. No. Name |
|--|--|--|--|------------------------|
| | | | 1ct latesmetional (Rx) HA 0302-2191668 | Company |
| | | | 0302-2191668 | Telephone / Mobile |
| | | | mohi-sabricid | Fax#/ Email Address |
| | | | mohi-sabricidemile mi | Initials |



NFORMATION TECHNOLOGY DEPARTMENT KARACHI METROPOLITAN CORPORATION (DEFUNCT CDGK) 2nd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IQBAL, KARACHI

"INTEGRATED FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)"

Tender for "Data-Centre / Front End Lab Infrastructure Up Gradation / Expansion of F&A KMC.

Opening of Financial Bid Dated: 31-03-2016 Attendance Sheet (Companies)

| | | | | THE COUNTY OF THE PARTY OF THE | Carried Carried | 1 Sylvani A Chan | S. No. Name | |
|--|--|--|--|---|-----------------------|---|-------------|------------------------|
| | | | | | compant | Computer Men 1811 | Company | Attelluance Sheet Comp |
| | | | | | 0333-367743) ecmenter | 1 | | Telephone / Fax# / |
| | | | | | 4. | N. A. | 1 | Initials |





KARACHI METROPOLITAN CORPORATION INFORMATION TECHNOLOGY DEPARTMENT

Tender: Up-gradation of I.T. Infrastructure (Hardware) for IFMIS of F&A, KMC."

Comparative Statement M/s. ICL International (Pvt.) Ltd

| S. | | Description | Total | Unit Price |
|----|--------------------|--|----------|------------|
| [| | 42 U OEM Rack, KVM and Console | 3 | |
| | ltem | Description | | |
| | Rack Size and Type | OEM 42 U Rack with Cables Rails, Cable routing & Power Management | | |
| | Rack TFT Console | 17" TFT 1U Console Purpose built with Touchpad Mouse & Keyboard | | |
| | KVM switch | 1U Rack mounted 16 Ports OEM Digital KVM (IP) Switch with USB-VGA Adapters | | |
| _ | Back Panels and | Should be included | L | 632.137 |
| ١ | Doors | | | , |
| | Anti Tilt | Rack Anti Tilt Kit required | | |
| | Ground Protection | Ground Protection Preassembled or Grounding Kit required | | |
| | Accessories and | Dual PDU with required socket for the solution | | |
| | Cabling | | | |
| | Warranty | 3 Years comprehensive parts replacement warranty of all equipment | | |
| | | 4 U Rack Mounted Servers - DB / Vmware Servers | | |
| | ltem | Description | | |
| | Architecture | 64 Bit Intel Xeon Server | | |
| | Chipset | Intel C602 Series | | |
| | Processor | 4x Intel Xeon Processor E7-4830v3 (12C/24T, 2.10 GHz, 115 W) | | |
| > | Cache | 30MB or higher | 2 | 4.177.343 |
| ١ | Memory | 256 GB DDR4 DDR4-2133 R ECC along with 4 x Memory Board | - | į |
| | Optical Drive | Internal DVD-RW super multi slim line SATA | | |
| | Hard Drives | 3 x SAS 12G 600GB 10K 2.5' Enterprise Hot Pluggable | | |
| | Raid Controller | RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache | | |
| | Network | 8 x1 Gigabit Network Ports | | |
| | FC Controller | 1 x Fiber Channel Controller 8Gb/s (Dual Port) with required FC cabling | | |
| | | | | |





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INFORMATION TECHNOLOGY DEPARTMENT

Tender: Up-gradation of I.T. Infrastructure (Hardware) for IFMIS of F&A, KMC."

| | Comparative Statement |
|----------|-----------------------------------|
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|---|----------------------------|--|---|--|---|----------------|--|-------------------|--------------------------|-------------|--|---|---------|--|--|-----------------------------|---------|--------------------|--|---|---|-------------|--------------------------------|--------|--------------|
| FC Controller | Network | Raid Controller | Hard Drives | Optical Drive | Memory | Cache | Processor | Chipset | Architecture | ltem | | Warranty | Cabling | Accessories and | Ground Protection | Anti Tilt | Doors | Back Panels and | KVM switch | Rack TFT Console | Rack Size and Type | Item | | | |
| 1 x Fiber Channel Controller 8Gb/s (Dual Port) with required FC cabling | 8 x1 Gigabit Network Ports | RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache | 3 x SAS 12G 600GB 10K 2.5' Enterprise Hot Pluggable | Internal DVD-RW super multi slim line SATA | 256 GB DDR4 DDR4-2133 R ECC along with 4 x Memory Board | 30MB or higher | 4x Intel Xeon Processor E7-4830v3 (12C/24T, 2.10 GHz, 115 W) | Intel C602 Series | 64 Bit Intel Xeon Server | Description | 4 U Rack Mounted Servers - DB / Vmware Servers | 3 Years comprehensive parts replacement warranty of all equipment | | Dual PDU with required socket for the solution | Ground Protection Preassembled or Grounding Kit required | Rack Anti Tilt Kit required | | Should be included | 1U Rack mounted 16 Ports OEM Digital KVM (IP) Switch with USB-VGA Adapters | 17" TFT 1U Console Purpose built with Touchpad Mouse & Keyboard | OEM 42 U Rack with Cables Rails, Cable routing & Power Management | Description | 42 U OEM Rack, KVM and Console | | Description |
| | | | | | _ | J | | | | | | | | | | | H | • | | | | | | Qty | Total |
| | | | | | 4,1//,343 | 441747 | | | | | | | | | | | 632,137 | | | | | | | in Rs. | Unit Price |
| 1 | , | | | | 8,354,686 | | | | | | | | | | | | 632,137 | | | | | | | in Rs. | Total Amount |

















INFORMATION TECHNOLOGY DEPARTMENT

Tender: Up-gradation of I.T. Infrastructure (Hardware) for IFMIS of F&A, KMC."

| | | Collibration | | the Pulsa | Tatal Amount |
|-------|----------------------|--|-----|-----------|--------------|
| No s. | | Description | Qty | in Rs. | in Rs. |
| | Power Supply | 4x Hot Pluggable Redundant Power Supplies with N+1 Failover | | | |
| | | Redundant Hot Pluggable FAN | | | |
| | Management | | | | |
| | Controller | | | | |
| | Management | Should include Server Management Software with advance functionalities including | | | |
| | | Local and Remote Monitoring, Pre-Failure Alerts and Diagnostic. | | | |
| | RMK | Rack Mounting Kit with cable management and Accessories | | | |
| | Warranty | 3 Years comprehensive on-site Warranty from Manufacturer | | | |
| | Quantity | 2 | | | |
| | Virtualization | | | | |
| | Software | VMWare vsphere 6.0 enterprise for 4 processors (Qty = 2) | | | |
| | Virtualization | | | | |
| | Management Server | | | | |
| | Software | VMWare vCenter 6.0 Standard (Qty = 1) | | | |
| | Linux Server License | Redhat enterprize Linux Server 6.0 for 4 processors (Qty = 4) | | | |
| | Linux Support | Three year Premium Support Subscription for Redhat enterprize Linux 6.0 | | | |
| | | 2 U Rack Mounted Servers -DB DR Servers | | | |
| | Architecture | 64 Bit Intel Xeon Server | 1 | | |
| | Chipset | Intel® C612 | | | |
| J | Processor | 2 x Intel Xeon E5-2630v3 8C/16T 2.40 GHz or higher | 2 | 979,541 | 1,959,082 |
| u | Cache | 20 MB or higher | | | |
| | Memory | 128 GB DDR4 DDR4-2133 R ECC | 1 | | |
| | Optical Drive | Internal DVD-RW super multi slim line SATA | | | 7 |
| | Hard Drives | 3 x SAS 12G 300GB 10 K 2.5 inch Enterprize Hot Plug | | | |
| | | | | | |













Tender: Up-gradation of I.T. Infrastructure (Hardware) for IFMIS of F&A, KMC." INFORMATION TECHNOLOGY DEPARTMENT

| Raid Controller Ry Network Dr. FC Controller 1 Power Supply 2: FAN 5 Management Controller Ir Management Software RMK Warranty Windows 2012 Server Software License (Qty = 2) Architecture Chipset Processor Cache Hard Drives Raid Controller Raid Controller | ^ | | | Total | all a filled |
|--|-----|-------------------|--|-------|--------------|
| Raid Controller Raid Controller SAS 12G with Raid Level 5/6 with 2GB cache Network Retwork Raid Controller Raid Controller Raid Controller Retwork Redundant Power Supplies Server Supply 2x Hot Pluggable Redundant Power Supplies Sx FAN Hot Pluggable Redundant Power Supplies Sx FAN Hot Pluggable Remote Management Controller Controller Should include Server Management Software with advance functionalities including Software Rack Mounting Kit with cable management and accessories Warranty 3 Years comprehensive on-site Warranty from Manufacturer Windows 2012 Standard Version 64/32 bit support Standard Version 64/32 bit support Standard Version | S . | | Description | Qty | in Rs. |
| Network Dynamic LoM 4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports | | Raid Controller | RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache | | |
| FC Controller I x Fiber Channel Controller 8Gb/s (Dual Port) with required FC cabling Power Supply 2x Hot Pluggable Redundant Power Supplies FAN S x FAN Hot Pluggable Management Controller Management Controller Management Integrated Remote Management Controller Software Should include Server Management Software with advance functionalities including Software Northware Rack Mounting Kit with cable management and accessories RMK RMK Rack Mounting Kit with cable management and accessories Warranty Standard Version 64/32 bit support Server Software License (Qty = 2) Chipset Architecture Access License Media Kit DVD License (Qty = 2) License (Ab Bit Intel Xeon E5-2630v3 8C/16T 2.40 GHz or higher Cache Memory 64 GB DDR4 DDR4-2133 R ECC Optical Drive Internal DVD-RW super multi slim line SATA Hard Drives 3 x SAS 12G 300GB 10 K 2.5 inch Enterprise Hot Plug Raid Controller RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache Network Dynamic LoM 4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports 2 x hot Pluggable Redundant Powers Architecture Architecture Architecture Access License Mounted Servers Open 25 x Client 25 x Client 26 x Intel Servers Open Architecture Access License Mounted Servers Access License Mounted Servers Access License Management Controller Access License Mounted Servers Open Standard Version 64/32 bit support Open Open Standard Version 64/32 bit support Open Open | | Network | Dynamic LoM 4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports | | |
| Power Supply 2x Hot Pluggable Redundant Power Supplies FAN 5 x FAN Hot Pluggable Management Controller Integrated Remote Management Controller Management Software Should include Server Management Software with advance functionalities including Software RMK Rack Mounting Kit with cable management and accessories Warranty 3 Years comprehensive on-site Warranty from Manufacturer Warranty 3 Years comprehensive on-site Warranty from Manufacturer Windows 2012 Standard Version 64/32 bit support Server Software licenses License (Qty = 2) Access License Media Kit DVD Architecture 64 Bit Intel Xeon Server Chipset Intel® C612 Processor 2 x Intel Xeon E5-2630v3 8C/16T 2.40 GHz or higher Cache 20 MB or higher Memory 64 GB DDR4 DDR4-2133 R ECC Optical Drive Internal DVD-RW super multi slim line SATA Hard Drives 3 x SAS 12G 300GB 10 K 2.5 inch Enterprise Hot Plug Raid Controller RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache Network Dynamic Lom4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports | | FC Controller | 1 x Fiber Channel Controller 8Gb/s (Dual Port) with required FC cabling | | |
| Anangement Controller Controller Management Software Management Software Marcast Conprehensive on-site Warranty from Manufacturer Mindows 2012 Server Software License (Qty = 2) Architecture Chipset Chipset Cache Memory Memory Access License E432 Sova 8C/16T 2.40 GHz or higher Cache Memory Memory Raid Controller Raid Controller Raid Controller Raid Controller S × FAN Hot Pluggable Management Controller Should include Server Management Software with advance functionalities including Should include Server Management and accessories Rack Mounting Kit with cable management and accessories Warranty 3 Years comprehensive on-site Warranty from Manufacturer Open Standard Version 64/32 bit support 25 × Client 26 Bit Intel Xeon Server Chipset Intel® C612 Processor 2 × Intel Xeon E5-2630v3 8C/16T 2.40 GHz or higher 64 GB DDR4 DDR4-2133 R ECC Memory 64 GB DDR4 DDR4-2133 R ECC Optical Drives 3 × SAS 12G 300GB 10 K 2.5 inch Enterprise Hot Plug Raid Controller Raid Controller Raid Controller SAS 12G with Raid Level 5/6 with 2GB cache Network Dynamic LoM 4 × 1 Gbit/s, Additional 4 × Gigabit Network Ports . | | Power Supply | 2x Hot Pluggable Redundant Power Supplies | | |
| Management Controller Controller Management Should include Server Management Controller Should include Server Management Software with advance functionalities including Software Should include Server Management Software with advance functionalities including Software Local and Remote Monitoring, Pre-Failure Alerts and Diagnostic RMK Rack Mounting Kit with cable management and accessories Warranty 3 Years comprehensive on-site Warranty from Manufacturer Open Windows 2012 Standard Version 64/32 bit support Server Software License (Qty = 2) Cynack Mounted Servers - Application Servers Chipset Intel® C612 Processor 2 x Intel Xeon Server Cache Ache GB DDR4 DDR4-2133 R ECC Memory 64 GB DDR4 DDR4-2133 R ECC Memory 64 GB DDR4 DDR4-2133 R ECC Internal DVD-RW super multi slim line SATA Internal DVD-RW super multi slim line SATA Internal DVD-RW super multi slim line SATA Processor 3 x SAS 12G 300GB 10 K 2.5 Inch Enterprise Hot Plug RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache Dynamic LoM x 1 Gbit/s, Additional 4 x Gigabit Network Ports Dynamic LoM x 1 Gbit/s, Additional 4 x Gigabit Network Ports Access Local and Remote Monitoring, Pre-Failure Alerts and Diagnostic Network Ports Access License (All Diagnostic Network Ports) Access License Mounting Kit with cable management and accessories Accessories Open 25 x Client 25 x Client 25 x Client 26 A GB DDR4 DDR4-2133 R ECC Acche Acche Access License Media Kit DVD Access License Media Kit DVD Access License Manufacturer Open 25 x Client 25 x Client 25 x Client 26 A GB DDR4 DDR4-2133 R ECC Acche Acche Acche Acche Acche Access License Media Kit DVD Acche Access License Media Kit DVD Access License Access Lice | | FAN | 5 x FAN Hot Pluggable | | |
| Controller Integrated Remote Management Controller Management Should include Server Management Software with advance functionalities including Software Local and Remote Monitoring, Pre-Failure Alerts and Diagnostic RMK Rack Mounting Kit with cable management and accessories Warranty 3 Years comprehensive on-site Warranty from Manufacturer Open Server Software Licenses (Qty = 2) License (Qty = 2) Chipset Jurack Mounted Servers - Application Servers Chipset Intel® C612 Processor 2 x Intel Xeon Server Cache AG BDDR4 DDR4-2133 R ECC Memory 64 GB DDR4 DDR4-2133 R ECC Memory 1 Internal DVD-RW super multi slim line SATA Hard Drives 3 x SAS 12G 300GB 10 K 2.5 inch Enterprise Hot Plug Raid Controller RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache Dynamic Lom 4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports . Processor 2 x Intel Server SATG Sinch Enterprise Hot Plug Processor 3 x SAS 12G 300GB 10 K 2.5 inch Enterprise Hot Plug Processor 3 x SAS 12G 300GB 10 K 2.5 inch Enterprise Hot Plug | | Management | | | |
| Management Software Software Software Local and Remote Monitoring, Pre-Failure Alerts and Diagnostic RMK Rack Mounting Kit with cable management and accessories Warranty Server Software License (Qty = 2) Licenses License (Qty = 2) Access License Media Kit DVD Architecture Chipset Intel® C612 Processor Cache Memory Memory Hard Drives Raid Controller RAID Controller SAS 12G 300GB 10 K 2.5 inch Enterprise Hot Plug Raid Controller RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache Dynamic LoM 4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports Software uthan advance functional Divance functional density and Divance functional processor Standard Version 64/32 bit support Open Access License Media Kit DVD License (Qty = 2) Access License Media Kit DVD License (Qty = 2) Access License Media Kit DVD Access License Media Kit DVD Access License Media Kit DVD License (Qty = 2) Access License Media Kit DVD Access License Access Licens | | Controller | Integrated Remote Management Controller | | |
| Software Local and Remote Monitoring, Pre-Failure Alerts and Diagnostic | | Management | Should include Server Management Software with advance functionalities including | | |
| RMK Rack Mounting Kit with cable management and accessories Warranty 3 Years comprehensive on-site Warranty from Manufacturer Open Windows 2012 Standard Version 64/32 bit support Server Software Licenses License (Qty = 2) Access License Media Kit DVD Architecture 64 Bit Intel Xeon Server Chipset Intel® C612 Processor 2 x Intel Xeon E5-2630v3 8C/16T 2.40 GHz or higher Cache 20 MB or higher Memory 64 GB DDR4 DDR4-2133 R ECC Optical Drive Internal DVD-RW supper multi slim line SATA Hard Drives 3 x SAS 12G 300GB 10 K 2.5 inch Enterprise Hot Plug Raid Controller RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache Dynamic LoM 4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports . | | Software | Local and Remote Monitoring, Pre-Failure Alerts and Diagnostic | | |
| Warranty Warranty 3 Years comprehensive on-site Warranty from Manufacturer Open Windows 2012 Standard Version 64/32 bit support Server Software Licenses Access License Media Kit DVD License (Qty = 2) 2 U Rack Mounted Servers -Application Servers Architecture Chipset Intel® C612 Processor 2 x Intel Xeon Server Cache Memory 64 GB DDR4 DDR4-2133 R ECC Optical Drive Internal DVD-RW super multi slim line SATA Hard Drives 3 x SAS 12G 300GB 10 K 2.5 inch Enterprise Hot Plug Raid Controller RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache Dynamic LoM 4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports Dynamic LoM 4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports | | RMK | Rack Mounting Kit with cable management and accessories | | |
| Windows 2012 Standard Version 64/32 bit support Server Software Licenses Licenses Licenses 25 x Client 26 Architecture Architecture Architecture Architecture Intel® C612 2 x Intel Xeon Server 2 x Intel Xeon E5-2630v3 8C/16T 2.40 GHz or higher Cache Cache Architecture 20 MB or higher 20 MB or higher Af GB DDR4 DDR4-2133 R ECC Memory Arid Drive Internal DVD-RW super multi slim line SATA Internal DVD-RW super multi slim line SATA Arid Controller RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache Dynamic LoM 4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports 20 x Client 25 x Client 25 x Client 25 x Client 25 x Client | | Warranty | 3 Years comprehensive on-site Warranty from Manufacturer | | |
| License (Qty = 2) License (Qty = 2) Access License Media Kit DVD 2 U Rack Mounted Servers -Application Servers Architecture 64 Bit Intel Xeon Server Chipset Intel® C612 Processor 2 x Intel Xeon E5-2630v3 8C/16T 2.40 GHz or higher Cache Memory Optical Drive Hard Drives 3 x SAS 12G 300GB 10 K 2.5 inch Enterprise Hot Plug Raid Controller RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache Dynamic LoM 4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports 2 x Client 25 x Client 25 x Client 26 x Client 26 x Client 27 x Intel Xeon Server 28 x Intel Xeon Server 29 x Intel® C612 20 MB or higher 21 Architecture 22 Architecture 23 x Intel Xeon Server 24 Architecture 24 Architecture 25 x Intel Xeon Server 26 Architecture 26 Architecture 27 Architecture 28 Architecture 29 Architecture 20 MB or higher 20 MB or higher 20 MB or higher 20 MB or higher 21 Architecture 22 Architecture 23 x Intel Xeon Server 24 Architecture 26 Architecture 27 Architecture 28 Architecture 29 Architecture 20 MB or higher 20 MB or higher 20 MB or higher 20 MB or higher 21 Architecture 21 Architecture 22 Architecture 23 x Intel Xeon Server 24 Architecture 26 Architecture 27 Architecture 28 Architecture 28 Architecture 29 Architecture 20 Architecture 20 Architecture 20 Architecture 20 Architecture | | Windows 2012 | | | |
| License (Qty = 2) Access License Media Kit DVD 2 U Rack Mounted Servers - Application Servers Architecture 64 Bit Intel Xeon Server Chipset Intel® C612 Processor 2 x Intel Xeon E5-2630v3 8C/16T 2.40 GHz or higher Cache 20 MB or higher Memory 64 GB DDR4 DDR4-2133 R ECC Optical Drive Internal DVD-RW super multi slim line SATA Hard Drives 3 x SAS 12G 300GB 10 K 2.5 inch Enterprise Hot Plug Raid Controller RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache Network Dynamic LoM 4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports . | | Server Software | | | |
| Architecture 64 Bit Intel Xeon Server Chipset Intel® C612 Processor 2 x Intel Xeon E5-2630v3 8C/16T 2.40 GHz or higher Cache 20 MB or higher Memory 64 GB DDR4 DDR4-2133 R ECC Optical Drive Internal DVD-RW super multi slim line SATA Hard Drives 3 x SAS 12G 300GB 10 K 2.5 inch Enterprise Hot Plug Raid Controller RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache Network Dynamic LoM 4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports Processor 2 x Intel Xeon Server Application Servers 2 x Intel Xeon Server Application Server Application Servers 2 x Intel Xeon Server Application Server Applicati | | License (Qty = 2) | Access License Media Kit DVD | | |
| Architecture 64 Bit Intel Xeon Server Chipset Intel® C612 Processor 2 x Intel Xeon E5-2630v3 8C/16T 2.40 GHz or higher Cache 20 MB or higher Memory 64 GB DDR4 DDR4-2133 R ECC Optical Drive Internal DVD-RW super multi slim line SATA Hard Drives 3 x SAS 12G 300GB 10 K 2.5 inch Enterprise Hot Plug Raid Controller RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache Network Dynamic LoM 4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports . | | | 2 U Rack Mounted Servers -Application Servers | | |
| Chipset Intel® C612 Processor 2 x Intel Xeon E5-2630v3 8C/16T 2.40 GHz or higher Cache 20 MB or higher Memory 64 GB DDR4 DDR4-2133 R ECC Optical Drive Internal DVD-RW super multi slim line SATA Hard Drives 3 x SAS 12G 300GB 10 K 2.5 inch Enterprise Hot Plug Raid Controller RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache Network Dynamic LoM 4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports . | | Architecture | 64 Bit Intel Xeon Server | • | |
| Processor2 x Intel Xeon E5-2630v3 8C/16T 2.40 GHz or higherCache20 MB or higherMemory64 GB DDR4 DDR4-2133 R ECCOptical DriveInternal DVD-RW super multi slim line SATAHard Drives3 x SAS 12G 300GB 10 K 2.5 inch Enterprise Hot PlugRaid ControllerRAID Controller SAS 12G with Raid Level 5/6 with 2GB cacheNetworkDynamic LoM 4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports | | Chipset | Intel® C612 | | |
| Cache20 MB or higherMemory64 GB DDR4 DDR4-2133 R ECCOptical DriveInternal DVD-RW super multi slim line SATAHard Drives3 x SAS 12G 300GB 10 K 2.5 inch Enterprise Hot PlugRaid ControllerRAID Controller SAS 12G with Raid Level 5/6 with 2GB cacheNetworkDynamic LoM 4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports | | Processor | 2 x Intel Xeon E5-2630v3 8C/16T 2.40 GHz or higher | | |
| Memory 64 GB DDR4 DDR4-2133 R ECC Optical Drive Internal DVD-RW super multi slim line SATA Hard Drives 3 x SAS 12G 300GB 10 K 2.5 inch Enterprise Hot Plug Raid Controller RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache Network Dynamic LoM 4 x 1 Gbit/s, Additional 4 x Gigabit Network | | Cache | 20 MB or higher | , | 2 |
| ler | 4 | Memory | 64 GB DDR4 DDR4-2133 R ECC | 2 | 986,016 |
| ler | | Optical Drive | Internal DVD-RW super multi slim line SATA | - | |
| | | Hard Drives | 3 x SAS 12G 300GB 10 K 2.5 inch Enterprise Hot Plug | | |
| | | Raid Controller | RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache | | |
| | | Network | Dynamic LoM 4 x 1 Gbit/s, Additional 4 x Gigabit Network Ports | | |















INFORMATION TECHNOLOGY DEPARTMENT

Tender: Up-gradation of I.T. Infrastructure (Hardware) for IFMIS of F&A, KMC."

| | | Comparative occurrence | Total | Unit Price |
|-------|---|---|---------|------------|
| NO S. | | Description | Qty | in Rs. |
| | FC Controller | 1 x Fiber Channel Controller 8Gb/s (Dual Port) with required FC cabling | | |
| | Power Supply | 2x Hot Pluggable Redundant Power Supplies | | |
| | FAN | 5 x FAN Hot Pluggable | | |
| | Management | | | |
| | Controller | Integrated Remote Management Controller | | |
| | Management | Should include Server Management Software with advance functionalities including | | |
| | Software | Local and Remote Monitoring, Pre-Failure Alerts and Diagnostic | | |
| | RMK | Rack Mounting Kit with cable management and accessories | | T |
| | Warranty | 3 Years comprehensive on-site Warranty from Manufacturer | | |
| | Windows 2012 Server Software License. | Open Standard Version 64/32 bit support licenses Access License Media Kit DVD | | |
| | | Disk Storage System Storage Area Network (SAN) | | |
| | Item | Description | | |
| | Architecture | 16 Gbps or Higher SAN solution | | |
| | Cache | 16 GB Cache (Battery Backed) | | |
| | Storage Controller | Redundant Storage Controllers with Active- Active Configuration | <u></u> | 3.829,073 |
| 5 | Host Interfaces | FC (16 Gbit/s, 8 Gbit/s, 4 Gbit/s), FCoE (10 Gbit/s), iSCSI (10 Gbit/s, 1 Gbit/s), Ethernet | , | - |
| | support | (10 Gbit/s, 1 Gbit/s), SAS (6 Gbit/s, 3 Gbit/s) | | |
| | Host Connectivity | | | |
| | Ports | 4 x 16 Gbps FC Ports , 4x 1 Gbps iSCSI | | |
| | RAID | Supporting RAID 0,1,5,6,10 | | |
| | Redundancy | End to end redundant connections with no single point of failure | |) |
| | | | | |















INFORMATION TECHNOLOGY DEPARTMENT

Tender: Up-gradation of I.T. Infrastructure (Hardware) for IFMIS of F&A, KMC."

| S. | | Comparative Statement Tot Other Comparative Statement Comparative | Total | Unit Price in Rs. | in Rs. |
|----|--------------------|--|-------|-------------------|--------|
| NO | | 6× | | | |
| | Raw Storage | 18 x 1.2 SAS 12G HDDs, 400Gbps 12G Enterprises SSD Drives | | | |
| | Server Access | Should include all the licenses to connect maximum number of hosts supported by | | | |
| | Licenses | the system with multipath failover licenses | | | |
| | Modular Design | should have a Modular Design | | | |
| | Multipath Software | Multipath software providing path failover for all blades connecting to storage | | | |
| | Power & Cooling | Redundant Power & Cooling | | | |
| | Rack Rails | Rack mount kit with all accessories | | | |
| | Expandability | Should support a maximum 264 Drives or more | | | |
| | Supported NAS | CIFS (SMB 2.0), CIFS (SMB 3.0), NFS | | | |
| | protocols | nd the state of th | | | |
| | Point-in-Time Copy | incremental, space efficient and reverse snapshot functions Snapshot functionality should be included in the base system | | | |
| | | Provides ability to dynamically move data optimization of high cost, high performance drive | | | |
| | | utilization. Data movement storage tiers must be automated transparent to | | | |
| | Storage Tiering | applications and based on advanced analysis of historical data access patterns. Para | | | |
| | 1 | ensure optimization of high cost, high performance drives | • | | |
| | Thin Provisioning | Storage Array Sahll be provided with Thin Provisioning and Space releaint system | | | |
| | Storage | System must be supplied with storage virtualization and make the damage of both internal DDMS and external disk storage devices as a single virtual pool of storage space External storage virtualization for heterogeneous storage devices from | | | 1 |
| | VIITUALIZATION | all major vendors. Device list to be provided. Ability to move data on-the-fly between | | 3 | |



INFORMATION TECHNOLOGY DEPARTMENT

Tender: Up-gradation of I.T. Infrastructure (Hardware) for IFMIS of F&A, KMC."

| 'n | | Tot Description | Total | Unit Price | Total Amount in Rs. |
|--------|---------------------|--|-------|------------|---------------------|
| 8 O | | | di. | | |
| | | different physical storage | | | |
| _ | | Storage subsystem should be provided with automatically Policy based Sub-Lun Data | | | |
| | Storage Tiering | Migration from one Set of drive Tier to another set of drive tier with Industry | | | |
| | c | standard Auto Tiering Technology. | | | |
| | Performance and | Offered storage array shall be provided with quality of service | | | |
| | Quality | | | | |
| | of service | feature or any alternative method | | | |
| | SAN to SAN | Supplied Hardware should be provided with SAN to SAN Replication software. | | | |
| | Replication | The Proposed Storage Shall support Synchronous and Asynchronous replication. | | | |
| | Storage Array | Shall provide Storage Array configuration and Management | | | |
| | Configuration & | Software. | | | |
| | Management | | | | |
| | Software | | | | |
| | Warranty | Three Years comprehensive parts replacement warranty | | | |
| | | Fiber Channel Switches (Brocade) | | | |
| | Form Factor | 1U, 19-inch | | | |
| | Architecture | 16 Gbps Full Fabric Architecture | | | |
| | | Auto-sensing of 2, 4, 8, and 16 Gbit/s port speeds, optionally programmable to fixed | | | |
| | Port Speed | port speed | 2 | 1,873,852 | 3,747,704 |
| 6 | | 24 x SFP 16Gbit/s, Multi Mode Fibre (MMF) | | | |
| | Available Ports | BROCADE branded | -1 | | |
| | Active Port License | 24Ports Active licenses on each switch | | | 2 |
| | Scalability | Full fabric architecture with a maximum of 239 switches | | | |
| | Performance | 384 Gbit/s end-to-end full duplex | | | - |
| | | | | | |



KARACHI METROPOLITAN CORPORATION INFORMATION TECHNOLOGY DEPARTMENT

Tender: Up-gradation of I.T. Infrastructure (Hardware) for IFMIS of F&A, KMC."

| ı | |
|---|------------------------|
| | Comparative Statement |
| | M/s. ICL International |
| | (Pvt.) Ltd |
| | Ltc |

| NO S. | ISL Trunking Support | Description Frame-based trunking with up to eight 16 Gbit/s ports per ISL trunk; up to 128 Gbit/s per ISL trunk. Exchange-based load balancing across ISLs with DPS included in Fabric OS. | Total Qty | The state of the s |
|-------|-------------------------|--|-----------------------------------|--|
| | Media types support | Hot-pluggable, industry-standard Small Form-Factor Pluggable (SFP+), LC connector; Short-Wavelength (SWL), Long-Wavelength (LWL); Extended Long-Wavelength (ELWL); distance depends on fiber optic cable and port speed. Supports SFP+ (8 and 16 Gbit/s) optical transceivers. | nnector; gth + (8 and | nector; th (8 and |
| | Supported O/S | Should Support multiple O/S | | |
| | Management access | 10/100 Mbit/s Ethernet (RJ-45), in-band over Fibre Channel, serial port (RJ-45), and one USB port | 5), and | 5), and |
| | Security | DH-CHAP (between switches and end devices), FCAP switch authentication; FIPS 140-2 L2-compliant, HTTPS, IPsec, IP filtering, LDAP with IPv6, Port Binding, RADIUS, User-defined Role-Based Access Control (RBAC), Secure Copy (SCP), Secure RPC, SFTP, SSH v2, SSL, Switch Binding, Trusted Switch | IPS 140-2 S, User- FTP, SSH | FTP, SSH |
| | Supported | HTTP, SNMP v1/v3 (FE MIB, FC Management MIB), SSH; Auditing, Syslog; Brocade Advanced Web Tools, Advanced Performance Monitoring, Brocade Fabric Watch; | atch; | atch; |
| | management software | Brocade Network Advisor SAN Enterprise or Brocade Network Advisor SAN Professional/Professional | | |
| | | Plus; Command Line Interface (CLI); SMI-S compliant; Administrative Domains | SI | าร |
| | Power Supply | Base switch includes a single, hot-swappable power supply with integrated system cooling fans. Optional dual redundant hot-swappable power supply. | system | system |
| | Warranty | 3 Years comprehensive on-site Warranty Data Protection Hardware Appliance | | |
| 7 | Form Factor | 20 /40 | | 1 |
| | Architecture | Should have a Modular Design | | |





INFORMATION TECHNOLOGY DEPARTMENT

Tender: Up-gradation of I.T. Infrastructure (Hardware) for IFMIS of F&A, KMC."

| S. Soffipa | Features Ultimate scal | Available Ports 5 x 1 GbE Ethernet port | 2 x 8 GbFC | Performance up to 5.5 TB/h | Disk Capacity Installed 24 T | | Protocols | Virtual Tape Drives 80 | Tape Drive and DLT7000, LTC | Library Emulation 24, Scalar 100 with VTL | | cation and | cation and on | cation and on | cation and on | cation and on ed O/S | cation and on ed O/S | n and | cation and on ed O/S | ation and on | De-Duplication and Replication required Supported O/S Management Software Warranty Form Factor | ation and on |
|--|--|---|------------|----------------------------|-------------------------------|---|-----------|------------------------|-----------------------------|---|--|--|--|---|--|--|--|--|---|--|---|---|
| Description Description Description Description | Ultimate scalability / disaster resilience for the high end Data Protection IP Based Replication over WAN with Encryption supported. | hernet port | | \/h | Installed 24 TB with Hotspare | - | | | | TO-1, LTO-2, LTO-3, LTO-4, LTO-5, SDLT 320. SDLT 600. SLT-S4. ADIC Scalar | 80 DLT7000, LTO-1, LTO-2, LTO-3, LTO-4, LTO-5, SDLT 320, SDLT 600, SLT-S4, ADIC Scalar 24, Scalar 100, Scalar i2000, Scalar i500, Scalar i6000 | O-1, LTO-2, LTO-3, LTO-4, LTO-5, SDLT 320, SDLT 600, SLT-S4, ADIC Scalar 30, Scalar i2000, Scalar i500, Scalar i6000 | 80 DLT7000, LTO-1, LTO-2, LTO-3, LTO-4, LTO-5, SDLT 320, SDLT 600, SLT-S4, ADIC Scalar 24, Scalar 100, Scalar i2000, Scalar i500, Scalar i6000 In-build Data De-duplication and Smart replication technology, use minimize bandwidth trends, Smart bandwidth management replicate over low bandwidth and | 80 DLT7000, LTO-1, LTO-2, LTO-3, LTO-4, LTO-5, SDLT 320, SDLT 600, SLT-S4, ADIC Scalar 24, Scalar 100, Scalar i2000, Scalar i500, Scalar i6000 In-build Data De-duplication and Smart replication technology, use minimize bandwidth trends, Smart bandwidth management replicate over low bandwidth and in between predefined time, resiliency support for temporary network outages | DLT7000, LTO-1, LTO-2, LTO-3, LTO-4, LTO-5, SDLT 320, SDLT 600, SLT-S4, ADIC Scalar 24, Scalar 100, Scalar i2000, Scalar i500, Scalar i6000 In-build Data De-duplication and Smart replication technology, use minimize bandwidth trends, Smart bandwidth management replicate over low bandwidth and in between predefined time, resiliency support for temporary network outages Should Support multiple O/S with NFS, CIFS, OST formats support .Support all | DLT7000, LTO-1, LTO-2, LTO-3, LTO-4, LTO-5, SDLT 320, SDLT 600, SLT-S4, ADIC Scalar 24, Scalar 100, Scalar i2000, Scalar i500, Scalar i6000 In-build Data De-duplication and Smart replication technology, use minimize bandwidth trends, Smart bandwidth management replicate over low bandwidth and in between predefined time, resiliency support for temporary network outages Should Support multiple O/S with NFS, CIFS, OST formats support .Support all leading backup software like EMC networker, Symantec, Commvalut etc | BLT7000, LTO-1, LTO-2, LTO-3, LTO-4, LTO-5, SDLT 320, SDLT 600, SLT-S4, ADIC Scalar 24, Scalar 100, Scalar i2000, Scalar i500, Scalar i6000 In-build Data De-duplication and Smart replication technology, use minimize bandwidth trends, Smart bandwidth management replicate over low bandwidth and in between predefined time, resiliency support for temporary network outages Should Support multiple O/S with NFS, CIFS, OST formats support .Support all leading backup software like EMC networker, Symantec, Commvalut etc Should have GUI / web based management for administration and Configuration | O-1, LTO-2, LTO-3, LTO-4, LTO-5, SDLT 320, SDLT 600, SLT-S4, ADIC Scalar 30, Scalar i2000, Scalar i500, Scalar i6000 a De-duplication and Smart replication technology, use minimize rends, Smart bandwidth management replicate over low bandwidth and predefined time, resiliency support for temporary network outages sort multiple O/S with NFS, CIFS, OST formats support .Support all cup software like EMC networker, Symantec, Commvalut etc | O-1, LTO-2, LTO-3, LTO-4, LTO-5, SDLT 320, SDLT 600, SLT-S4, ADIC Scalar 30, Scalar i2000, Scalar i500, Scalar i6000 a De-duplication and Smart replication technology, use minimize rends, Smart bandwidth management replicate over low bandwidth and predefined time, resiliency support for temporary network outages out multiple O/S with NFS, CIFS, OST formats support .Support all cup software like EMC networker, Symantec, Commvalut etc GUI / web based management for administration and Configuration prehensive On-site Warranty from Manufacturer | DLT7000, LTO-1, LTO-2, LTO-3, LTO-4, LTO-5, SDLT 320, SDLT 600, SLT-S4, ADIC Scalar 24, Scalar 100, Scalar i2000, Scalar i500, Scalar i6000 In-build Data De-duplication and Smart replication technology, use minimize bandwidth trends, Smart bandwidth management replicate over low bandwidth and in between predefined time, resiliency support for temporary network outages Should Support multiple O/S with NFS, CIFS, OST formats support .Support all leading backup software like EMC networker, Symantec, Commvalut etc Should have GUI / web based management for administration and Configuration 3 Years Comprehensive On-site Warranty from Manufacturer Tape Library | O-1, LTO-2, LTO-3, LTO-4, LTO-5, SDLT 320, SDLT 600, SLT-S4, ADIC Scalar 30, Scalar i2000, Scalar i500, Scalar i6000 a De-duplication and Smart replication technology, use minimize rends, Smart bandwidth management replicate over low bandwidth and predefined time, resiliency support for temporary network outages out multiple O/S with NFS, CIFS, OST formats support .Support all cup software like EMC networker, Symantec, Commvalut etc GUI / web based management for administration and Configuration prehensive On-site Warranty from Manufacturer Tape Library | DLT7000, LTO-1, LTO-2, LTO-3, LTO-4, LTO-5, SDLT 320, SDLT 600, SLT-S4, ADIC Scalar 24, Scalar 100, Scalar i2000, Scalar i500, Scalar i6000 In-build Data De-duplication and Smart replication technology, use minimize bandwidth trends, Smart bandwidth management replicate over low bandwidth and in between predefined time, resiliency support for temporary network outages Should Support multiple O/S with NFS, CIFS, OST formats support .Support all leading backup software like EMC networker, Symantec, Commvalut etc Should have GUI / web based management for administration and Configuration 3 Years Comprehensive On-site Warranty from Manufacturer Tape Library Ultra-compact product with up to 8 slots and one LTO drive in a single height unit |
| .) Ltd Total Oty | | | | | | | | | | | | | | | | | | | | | | P |
| Unit Price | | | | | | | | | | | | | | | | | | | | | | 850,169 |
| Total Amount in Rs. | | | | | | | | | | | | | | | | | | | | | | 850,169 |

INFORMATION TECHNOLOGY DEPARTMENT

Tender: Up-gradation of I.T. Infrastructure (Hardware) for IFMIS of F&A, KMC."

NO S

| | Comparative Statement M/s, ICL International (Pvt.) | Lta | | |
|--------------|--|-------|------------|--------------|
| | | Total | Unit Price | Total Amount |
| | Description | Qty | in Rs. | in Rs. |
| | Barcode reader | • | | |
| Features | Remote management utility and user friendly operator panel | | | |
| Cartridge | 8 xLTO-6 Cartridges , 1x Cleaning Cartridge | | 9 | |
| Connectivity | Fiber Channel 8 Gbps | | | |
| | Should Support multiple O/S with all leading backup software like EMC networker, | | | |
| Supported | Symantec, Commvalut etc | | | |
| Protocols | Should have GUI / web based management for administration and Configuration | | | |
| Management | Remote management utility and user friendly operator panel | | | |
| Software | | | | |
| Warranty | 3 Years Comprehensive On-site Warranty from Manufacturer | | | |
| 2 | 2 Way Rack Mounted Servers - Scanner Application Servers | | | |
| Architecture | 64 Bit Intel Xeon Server | | | |



9

3 \times SAS 12G 300GB 15 K 2.5 inch Enterprise Hot Plug

RAID Controller SAS 12 G with Raid Level 5/6 with 2GB cache

Internal DVD-RW super multi slim line SATA

2

910,986

64 GB DDR4 DDR4-2133 R ECC

20 MB or higher

2x Intel® Xeon® processor E5-2630v3 (8C/16T, 2.40 GHz, TLC: 85 W) or higher

FC Controller Network

Power Supply

5 x FAN Hot Pluggable

2x Hot Pluggable Redundant Power Supplies

 $1\,\mathrm{x}$ Fiber Channel Controller 8Gb/s (Dual Port) with required FC cabling

Management

Raid Controller **Hard Drives** Optical Drive Memory Cache Processor

4 x Gigabit Network ports

Architecture Chipset

Intel® C612



INFORMATION TECHNOLOGY DEPARTMENT





KARACHI METROPOLITAN CORPORATION INFORMATION TECHNOLOGY DEPARTMENT

Tender: Up-gradation of I.T. Infrastructure (Hardware) for IFMIS of F&A, KMC."

| 11 A S | | 11 | | | | ſ | 7 | S | С | 0 | - | С | | | 0 1 | | | 0) | 10 | - | _ | NO S | , |
|--|---|---|--|---|-------------------------|-------------------------------------|-------------|-----------------|-------------------|----------|--|----------------------------|-------|----------------------------------|---------------|------------------|--------------------------|-------------------------------------|--------------|------------------------------------|-----------|--------------|---|
| | ADF capacity | Scanning Speeds | Output Format | Optical Resolution | Туре | | required | System Software | Desktop Operating | Quantity | Warranty | Display | | | Compatibility | Inerating System | | accessories | Software and | Keyboard | Mouse and | | |
| ADF Minimum: A8 Portrait (52 x 74 mm) / Maximum: A3 (797 x 420 mm) Long page | 50 sheets (A4: 80 g/m 2 or 20 lb) (Active loadable ADF) | Colour : Simplex: 30 ppm and Duplex: 60 ipm at (200 dpi / 300 dpi) Grayscale : Simplex: 40 ppm and Duplex: 80 ipm (200 dpi) | Color: 24 bit, 8 bit/4 bit; Grayscale: 8 bit, 4 bit; Monochrome: 1 bit | 600 DPI (Output Resolution: 50 to 600dpi (adjustable by 1dpi increments), 1200 dpi. | Simplex Flatbed Scanner | High end Scanner (Flat Bed + ADF) | Windows 8.1 | | | 2 | 3 Years comprehensive on-site Warranty from Manufacturer | 22 inch LED (Professional) | Linux | Windows® Server 2008 R2 and 2012 | Windows® XP | Windows 8 | Windows® 7 32 and 64 bit | Complete Driver CDs and Accessories | | OEM USB Optical Mouse and keyboard | | Description | |
| | | 2 | | | | | | | | | | | | | · | | | | | | | Total | |
| | | 352,207 | | | | | | | | | | | | | | | | | | | | Unit Price | |
| | > | 704,414 | | | | | | | | | | | | 7 | | | | | | | | Total Amount | |



KARACHI METROPOLITAN CORPORATION INFORMATION TECHNOLOGY DEPARTMENT

Tender: Up-gradation of I.T. Infrastructure (Hardware) for IFMIS of F&A, KMC."

| | | | eds Simplex : Scans up to 30 ppm in colour , Duplex: 60 ppm in color and monochrome at | Scanning Speeds | |
|-------------------------|------|-------|---|--------------------|----|
| | | 1 | at Color: 24 bit, 8 bit/4 bit; Grayscale: 8 bit, 4 bit; Monochrome: 1 bit | Output Format | |
| 203,264 | 20 | 2 | ution 600 DPI (Output Resolution: 50 to 600dpi (adjustable by 1dpi increments), 1200 dpi. | Optical Resolution | 12 |
| | } | , | Duplex ADF (Automatic Document Feeder) Scanner | Туре | |
| | | | High end Scanner ADF (Automatic Document Feeder) | | |
| | | | 3 Years comprehensive on-site Warranty from Manufacturer | Warranty | |
| | | | 2003/2008 (32-bit/64-bit), Windows XP® (32-bit/64-bit) | Support | |
| | | | | Operating System | |
| | | | · Image Processing Software and 2D Barcode included | | |
| | | | Email, Print) includes | | |
| | | | · Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint, Folder, | SOILMAIR | |
| | | | · Batch scanning and PDF creation software | Software | |
| | | | drivers from Central Console. • TWAIN and ISIS Drivers | | |
| | | | Scanner Central Admin Suite to monitor scanner running status and update scanner | | |
| | | 1 | Up to 4,000 documents per day or higher | Daily Duty Cycle | |
| | | | USB2.0 / USB1.1 | Interface | |
| | | | Image emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB | | |
| | | | White, Specified, Saturation), | | |
| | | | swivel ADF, Multi-image, Error diffusion, Dither, Dropout colour (R, G, B, None, | | |
| | | | saturation, advanced clarity, selectable background, onboard JPEG compression, | | |
| | | | separation, content-based rotation, intelligent blank page deletion, background | Features | |
| | | | Automatic colour detection, Automatic page size detection, De-Skew, Upper lower | | |
| | | | color graphics adapter (CGA), dual control panels | | |
| | | | processing in hardware with | | |
| | | | Ultrasonic double-feed detection with advanced control. Advanced image | | |
| in Rs. in Rs. | 5 | Qty | pescription | | O |
| Unit Price Total Amount | Unit | Total | | | s. |







KARACHI METROPOLITAN CORPORATION INFORMATION TECHNOLOGY DEPARTMENT

Tender: Up-gradation of I.T. Infrastructure (Hardware) for IFMIS of F&A, KMC."

| Simplex: Scans up to 40 ppm in grayscale , Duplex:80 ppm in grayscale and monochrome at 200 to 300 dpi ADF capacity Document size Daily Scan volume / capacity Ultrasonic double-feed detection with advanced control. Advances sporaration, content-based rotation, intelligent blank page deletion, backgrou saturation, advanced clarity, selectable background, onboard JPEG compressis swivel ADF , Multi-Image, Error diffusion, Dither, Dropout colour (R, G, B, Non White, Specified, Saturation), Image emphasis, Simplified DTC, Advanced DTC, IDTC, sRGB Interface Scanner Central Admin Suite to monitor scanner running status and update ss drivers from Central Console. - Batch scanning and PDF creation software - Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint, Fe Email, Print) includes - Image Processing Software and 2D Barcode included | S. | Description | Total Qty | ACCURATE STREET |
|---|---------------------|---|--------------|-----------------|
| Simplex: Scans up to 40 ppm in grayscale , Duplex:80 ppm in grayscale an monochrome at 200 to 300 dpi 50 sheets (A4: 80g/m2 or 20lb) accepts document Thickness from 41 to 21 to 56.2lb) ADF Minimum: A8 Portrait (52 x 74 mm) / Maximum: A3 (297 x 420 mm) , scanning: 3,048 mm lume / 4,000 sheets/day Ultrasonic double-feed detection with advanced control. Advant processing in hardware with color graphics adapter (CGA), dual control panels Automatic colour detection, Automatic page size detection, De-Skew, Upp separation, advanced clarity, selectable background, onboard JPEG comproswivel ADF , Multi-image, Error diffusion, Dither, Dropout colour (R, G, B, I) lmage emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB USB 2.0 Scanner Central Admin Suite to monitor scanner running status and updat drivers from Central Console. - TWAIN and - Batch scanning and PDF creation software - Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes - Image Processing Software and 2D Barcode included | | 200 to 300 dpi | | |
| monochrome at 200 to 300 dpi 50 sheets (A4: 80g/m2 or 20lb) accepts document Thickness from 41 to 21 to 56.2lb) ADF Minimum: A8 Portrait (52 x 74 mm) / Maximum: A3 (297 x 420 mm) , scanning: 3,048 mm lume / 4,000 sheets/day Ultrasonic double-feed detection with advanced control. processing in hardware with color graphics adapter (CGA), dual control panels Automatic colour detection, Automatic page size detection, De-Skew, Upp separation, content-based rotation, intelligent blank page deletion, backgr saturation, advanced clarity, selectable background, onboard JPEG compressive ADF, Multi-image, Error diffusion, Dither, Dropout colour (R, G, B, I) White, Specified, Saturation), Image emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB USB 2.0 Scanner Central Admin Suite to monitor scanner running status and updated drivers from Central Console. - TWAIN and - Batch scanning and PDF creation software - Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes - Image Processing Software and 2D Barcode included | | Simplex: Scans up to 40 ppm in grayscale , Duplex:80 ppm in grayscale and | | |
| 50 sheets (A4: 80g/m2 or 20lb) accepts document Thickness from 41 to 21 to 56.2lb) ADF Minimum: A8 Portrait (52 x 74 mm) / Maximum: A3 (297 x 420 mm) , scanning: 3,048 mm Julume / 4,000 sheets/day Ultrasonic double-feed detection with advanced control. processing in hardware with color graphics adapter (CGA), dual control panels Automatic colour detection, Automatic page size detection, De-Skew, Upp separation, content-based rotation, intelligent blank page deletion, backgraturation, advanced clarity, selectable background, onboard JPEG compressivel ADF, Multi-image, Error diffusion, Dither, Dropout colour (R, G, B, I) lmage emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB USB 2.0 Scanner Central Admin Suite to monitor scanner running status and updated drivers from Central Console. - TWAIN and - Batch scanning and PDF creation software - Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes - Image Processing Software and 2D Barcode included | | monochrome at 200 to 300 dpi | | |
| to 56.2lb) ADF Minimum: A8 Portrait (52 x 74 mm) / Maximum: A3 (297 x 420 mm) , lume / 4,000 sheets/day Ultrasonic double-feed detection with advanced control. processing in hardware with color graphics adapter (CGA), dual control panels Automatic colour detection, Automatic page size detection, De-Skew, Upp separation, content-based rotation, intelligent blank page deletion, backgraturation, advanced clarity, selectable background, onboard JPEG comprised with separation, advanced clarity, selectable background, onboard JPEG comprised with specified, Saturation), Image emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB USB 2.0 Scanner Central Admin Suite to monitor scanner running status and updated arivers from Central Console. Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes Image Processing Software and 2D Barcode included | ADE capacity | 50 sheets (A4: 80g/m2 or 20lb) accepts document Thickness from 41 to 210g/m2 (11 | (11 | (11 |
| ADF Minimum: A8 Portrait (52 x 74 mm) / Maximum: A3 (297 x 420 mm) , scanning: 3,048 mm an volume / 4,000 sheets/day Ultrasonic double-feed detection with advanced control. Advar processing in hardware with color graphics adapter (CGA), dual control panels Automatic colour detection, Automatic page size detection, De-Skew, Upp separation, content-based rotation, intelligent blank page deletion, backgraturation, advanced clarity, selectable background, onboard JPEG comprises wivel ADF , Multi-image, Error diffusion, Dither, Dropout colour (R, G, B, I) mage emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB USB 2.0 Scanner Central Admin Suite to monitor scanner running status and updat drivers from Central Console. Batch scanning and PDF creation software Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes Image Processing Software and 2D Barcode included | ADT Capacity | to 56.2lb) | | |
| an volume / 4,000 sheets/day Ultrasonic double-feed detection with advanced control. Advan processing in hardware with color graphics adapter (CGA), dual control panels Automatic colour detection, Automatic page size detection, De-Skew, Upp saturation, advanced clarity, selectable background, onboard JPEG comprised ADF, Multi-image, Error diffusion, Dither, Dropout colour (R, G, B, I) White, Specified, Saturation), Image emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB USB 2.0 Scanner Central Admin Suite to monitor scanner running status and updat drivers from Central Console. Batch scanning and PDF creation software Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes Image Processing Software and 2D Barcode included | | ADF Minimum: A8 Portrait (52 x 74 mm) / Maximum: A3 (297 x 420 mm) , Long page | page | page |
| 4,000 sheets/day 4,000 sheets/day Ultrasonic double-feed detection with advanced control. processing in hardware with color graphics adapter (CGA), dual control panels Automatic colour detection, Automatic page size detection, De-Skew, Upp saturation, advanced clarity, selectable background, onboard JPEG comprised, Saturation), White, Specified, Saturation), Image emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB USB 2.0 Scanner Central Admin Suite to monitor scanner running status and updat drivers from Central Console. Batch scanning and PDF creation software Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes Image Processing Software and 2D Barcode included | Document size | scanning: 3,048 mm | | |
| Ultrasonic double-feed detection with advanced control. processing in hardware with color graphics adapter (CGA), dual control panels Automatic colour detection, Automatic page size detection, De-Skew, Upp separation, content-based rotation, intelligent blank page deletion, backgraturation, advanced clarity, selectable background, onboard JPEG compressivel ADF, Multi-image, Error diffusion, Dither, Dropout colour (R, G, B, I) White, Specified, Saturation), Image emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB USB 2.0 Scanner Central Admin Suite to monitor scanner running status and updated orivers from Central Console. Batch scanning and PDF creation software Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint, SharePoint, Image Processing Software and 2D Barcode included | Daily Scan volume / | | | |
| Ultrasonic double-feed detection with advanced control. processing in hardware with color graphics adapter (CGA), dual control panels Automatic colour detection, Automatic page size detection, De-Skew, Upp separation, content-based rotation, intelligent blank page deletion, backgi saturation, advanced clarity, selectable background, onboard JPEG comprised saturation, Multi-image, Error diffusion, Dither, Dropout colour (R, G, B, I) White, Specified, Saturation), Image emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB USB 2.0 Scanner Central Admin Suite to monitor scanner running status and updated drivers from Central Console. • Batch scanning and PDF creation software • Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes • Image Processing Software and 2D Barcode included | capacity | 4,000 sheets/day | | |
| color graphics adapter (CGA), dual control panels Automatic colour detection, Automatic page size detection, De-Skew, Upp separation, content-based rotation, intelligent blank page deletion, background, advanced clarity, selectable background, onboard JPEG comprosed saturation, advanced clarity, selectable background, onboard JPEG comprosed swivel ADF, Multi-image, Error diffusion, Dither, Dropout colour (R, G, B, I) White, Specified, Saturation), Image emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB USB 2.0 Scanner Central Admin Suite to monitor scanner running status and updated drivers from Central Console. • Batch scanning and PDF creation software • Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes • Image Processing Software and 2D Barcode included | | Ultrasonic double-feed detection with advanced control. Advanced image | image | image |
| color graphics adapter (CGA), dual control panels Automatic colour detection, Automatic page size detection, De-Skew, Upp separation, content-based rotation, intelligent blank page deletion, backgr saturation, advanced clarity, selectable background, onboard JPEG compressivel ADF, Multi-image, Error diffusion, Dither, Dropout colour (R, G, B, I White, Specified, Saturation), Image emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB USB 2.0 Scanner Central Admin Suite to monitor scanner running status and updated drivers from Central Console. Batch scanning and PDF creation software Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes | | processing in hardware with | | |
| Automatic colour detection, Automatic page size detection, De-Skew, Upp separation, content-based rotation, intelligent blank page deletion, backgr saturation, advanced clarity, selectable background, onboard JPEG compressivel ADF, Multi-image, Error diffusion, Dither, Dropout colour (R, G, B, I White, Specified, Saturation), Image emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB USB 2.0 Scanner Central Admin Suite to monitor scanner running status and updat drivers from Central Console. Batch scanning and PDF creation software Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes | | color graphics adapter (CGA), dual control panels | | |
| separation, content-based rotation, intelligent blank page deletion, backgr saturation, advanced clarity, selectable background, onboard JPEG comprised swivel ADF, Multi-image, Error diffusion, Dither, Dropout colour (R, G, B, I White, Specified, Saturation), Image emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB USB 2.0 Scanner Central Admin Suite to monitor scanner running status and updated drivers from Central Console. Batch scanning and PDF creation software Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes | | Automatic colour detection, Automatic page size detection, De-Skew, Upper lower | wer | wer |
| saturation, advanced clarity, selectable background, onboard JPEG compressivel ADF, Multi-image, Error diffusion, Dither, Dropout colour (R, G, B, I White, Specified, Saturation), Image emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB USB 2.0 Scanner Central Admin Suite to monitor scanner running status and updat drivers from Central Console. Batch scanning and PDF creation software Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes | Features | separation, content-based rotation, intelligent blank page deletion, background | | |
| swivel ADF, Multi-image, Error diffusion, Dither, Dropout colour (R, G, B, I White, Specified, Saturation), Image emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB USB 2.0 Scanner Central Admin Suite to monitor scanner running status and updat drivers from Central Console. Batch scanning and PDF creation software Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes Image Processing Software and 2D Barcode included | | saturation, advanced clarity, selectable background, onboard JPEG compression, | | |
| White, Specified, Saturation), Image emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB USB 2.0 Scanner Central Admin Suite to monitor scanner running status and updat drivers from Central Console. • Batch scanning and PDF creation software • Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes • Image Processing Software and 2D Barcode included | | swivel ADF, Multi-image, Error diffusion, Dither, Dropout colour (R, G, B, None, | | |
| USB 2.0 Scanner Central Admin Suite to monitor scanner running status and updat drivers from Central Console. Batch scanning and PDF creation software Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes Image Processing Software and 2D Barcode included | | White, Specified, Saturation), | | |
| USB 2.0 Scanner Central Admin Suite to monitor scanner running status and updat drivers from Central Console. Batch scanning and PDF creation software Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes Image Processing Software and 2D Barcode included | | Image emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB | | |
| Scanner Central Admin Suite to monitor scanner running status and updat drivers from Central Console. Batch scanning and PDF creation software Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes Image Processing Software and 2D Barcode included | Interface | USB 2.0 | | |
| drivers from Central Console. Batch scanning and PDF creation software Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint Email, Print) includes Image Processing Software and 2D Barcode included | | Scanner Central Admin Suite to monitor scanner running status and update scanner | nner | nner |
| Batch scanning and PDF creation software Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint, Email, Print) includes Image Processing Software and 2D Barcode included | | . TWAIN and | ISIS Drivers | Drivers |
| Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint, Email, Print) includes Image Processing Software and 2D Barcode included | Coffware | · Batch scanning and PDF creation software | | |
| Email, Print) includes Image Processing Software and 2D Barcode included | SOILWAIR | · Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint, Folder, | ler, | ler, |
| · Image Processing Software and 2D Barcode included | | Email, Print) includes | | |
| | | Image Processing Software and 2D Barcode included | | |











INFORMATION TECHNOLOGY DEPARTMENT

Tender: Up-gradation of I.T. Infrastructure (Hardware) for IFMIS of F&A, KMC."

Comparative Statement M/s. ICL International (Pvt.) Ltd

| | Agents | Minimum Backup | Machines | 13 and Physical | Software | Enterprise Backup | | Warranty | Support | Operating System | NO | ý |
|------------|--------|---|--|-----------------|----------------------|-------------------|----------------------------|--|--|---|--------------|---------------------------|
| | | | | cal | Software for Virtual | e Backup | | | | | | |
| Total | | 4 x Oracle on Linux ,4 x Windows 2008 Agent, 2 x Virtualization Backup Agents | Symantec Net backup or equal backup software | | | | Enterprise Backup Solution | 3 Years comprehensive on-site Warranty from Manufacturer | 2003/2008 (32-bit/64-bit), Windows XP® (32-bit/64-bit) | Windows® 7 (32-bit/64-bit), Windows Vista® (32-bit/64-bit), Windows Server® | pesaripuori. | |
| | | | | ь | | | | | | | Qty | lotal |
| | | | | 1,360,050 | | | | | | | in Rs. | Unit Price |
| 28,980,300 | | | | 1,360,050 | | | | | | | in Rs. | Unit Price Iotal Amount |

Rupees in Words: Twenty Eight Million Nine Hundred Eighty Thousand Three Hundred Only

(24 males miceonageness) Human and Knight By Bridge Sippicaris Hikme.

Shing Cond. Admin- Ja: 124 H. Kmc.

Human and Knight By Bridge Sippicaris

Shing Cond. Admin- Ja: 124 H. Kmc. M. A. Nasia Dir 17, RMC (Brown of Believe (operations)



INFORMATION TECHNOLOGY DEPARTMENT

Tender: Refurbishment of Finance & Accounts Department, KMC for One Window Operation

| Comparative Statement M/s. ICL International (Pvt.) Ltd Description WIRING/WIRING ACCESSORIES Circuit wiring from DB to switch board with 2 x 2.5 sqmm + ECC 1 x 2.5 sqmm, 1 - core PVC wire in appropriate size of PVC pipe in appropriate in wall, column or above false ceiling, including any wiring between switches on some circuit, complete in all respects. Wiring of light point from switch board to point with 1.5 sqmm common record 1.5 sqmm and common ECC of 1.5 sqmm common record 1.5 sqmm common r |
|--|
| ational (Pvt.) Ltd Total Qty 18 No. |
| Pvt.) Ltd Total Qty No. |
| |
| Unit Price in Rs. |
| The state of the s |







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KARACHI METROPOLITAN CORPORATION INFORMATION TECHNOLOGY DEPARTMENT

Tender: Refurbishment of Finance & Accounts Department, KMC for One Window Operation

Comparative Statement

| NO | | Description | | | Total Otv | Unit Price | Total Amount |
|----|-----|---|----------|-------|--------------|------------|--------------|
| | 1.6 | Wiring of split type AC unit from DB to AC unit with 2x6.0 sqmm wire with ECC in PVC conduit complete in all respects. | 10 | No. | di. | = RS. | in Rs. |
| | 1.7 | Supply and installation of Following sizes of PVC/PVC multi-core cable Pakistan/Pioneer cable for main supply, from energy meter to DB and DB to DB complete. | | | | | |
| | | a, 4x 35 sqmm PVC / PVC Cable | 200 | Rf+ | | | |
| | | b, 4x 16 sqmm PVC / PVC Cable | 1 | THE C | | | |
| | | | 80 | Rft | | | |
| | | c, 4x 10 sqmm PVC / PVC Cable | 75 | Rft | | | |
| | 1.8 | Supply and installation of PVC conduits of following size, for Electrical / Telephone / Computer wiring. | | | | | |
| | | a, 25mm Dia | | | | | |
| | | b. 32mm Dia | 000 | Rt | | | |
| | | | 1000 | Rft | | | |
| Н | 1.9 | Distribution board with M&G or HAGAR (FRANCE) circuits breakers, recessed type as per specifications. | | | | | |
| | | a: DB - E (for Normal Power) | - | Z | | | |
| | | b: DB - C (Computer System) | | No. | 2 | | |
| | | c: DB - AC (Aircondition System) | | Z : | | | |
| | 1.1 | Supply and installation of pull boxes size 12"x12" in M/S sheet complete. | | No. | | | |
| | | | | | | 7 | |





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INFORMATION TECHNOLOGY DEPARTMENT

Tender: Refurbishment of Finance & Accounts Department, KMC for One Window Operation

| NO S. | | Comparative Statement Description | | | Total | Unit Price | Total Amount |
|-------|-----|--|-----|------|-------|------------|--------------|
| | | Supply and Installation of 18" x 4" size of Technology Rox made with 18 sw/c | | | Qty | in Rs. | in Rs. |
| | 1.1 | Sheet Steel, powder coated including front open able cover suitable for installation of 1 No. 13 A multipin switch sockets, 1 No. 13 A Flat Pin Switch Socket, 1 No. duplex RJ-45 outlets. | 60 | No. | | | |
| | 1.1 | Charges for floor cutting and repairing | 300 | Rft | | | |
| | 1.1 | Supply and Installation of 12" \times 3" sizes of perforated Cable Tray in 16SWG Sheet in powder coated color complete with hanging arrangements. | 200 | Rft. | | | |
| | 2 | SWITCHES & SOCKETS. | | | | | |
| | | Providing, installation and commissioning of following wiring devices power receptacles as per BS Standards (Clipsal / Orange Make). | | | - | | |
| | 2.1 | 13A, Simplex multi-pin switch Socket Unit | 60 | No. | 5 | | 114,101 |
| | 2.2 | ocket Unit | 120 | No. | | | |
| | ω | LIGHTING FIXTURE./ FANS | | | | | |
| | 3.1 | Supply and installation of TBS 420 with $4x18$ w Philips TLD lamp complete with all respects. | 90 | No. | | | |
| | 3.2 | Supply and installation of M100 8" dia down lighter with 2 x 14W PLC lamps Philips complete. | 60 | No. | 1 Job | | 2166954 |
| | 3.3 | Supply and installation of M100 4" dia down lighter with 1 x 14W PLC lamps Philips complete. | 30 | No. | | 7 | |



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KARACHI METROPOLITAN CORPORATION INFORMATION TECHNOLOGY DEPARTMENT

Tender: Refurbishment of Finance & Accounts Department, KMC for One Window Operation

Comparative Statement

| No . | | Description | | | Total | Unit Price | Total Amount |
|------|-----|---|----------|---------|----------|------------|---------------------|
| 1 | | Browiding and Installing Co. | | | Qty | in Rs. | in Rs. |
| | 3.4 | with maximum airdesplacement both outward and inwards as required automatic shutter for fly mosquito proofing when turned off (Airguard / Voldam Fan). | 4 | No. | <u>.</u> | | |
| | 3.5 | Providing and Installation of Wall mounted bracket fan plastic body. | 20 | No. | | | |
| | 3.6 | <u>Committee Room</u> Up-Gradation of existing committee Room with Multimedia Projector (over head assy), 5000 Lumens Resolution full HD branded with motorized Screen. | L | Set | | | , |
| | | Split Air conditioner tower 4 tons. With complete installation , materials & matching stabilizers | 2 | Set | | | |
| | 4 | COMPUTER SYSTEM | | | | | |
| | 4.1 | Wireless Access Router 10/100/1000Mbps LAN Ports Simultaneous 2.4GHz 300Mbps and 5GHz 300Mbps connections for 600Mbps of total available bandwidth 2*USB Ports - Easily share a printer locally and files & media with networked devices or remotely via FTP server Full gigabit ports ensure ultimate transfer speeds Achieves blazing WAN to LAN throughput of over 800Mbps with hardware NAT Guest Network Access provides secure Wi-Fi access for guests sharing your home or office network. | 4 | N o. | 1 Job | | |
| | 4.2 | 24 Port, 19 inch Patch Panel for Data communication Straight, Flush Mount, 1 RU equipped with 24 nos. Cat-6 Unshielded RJ45 information outlet including labeling complete in all respect. | 4 | No. | - | | |
| | 4.3 | Category 6, UTP Cables, for data communication system at local workstations in already laid 25mm dia PVC conduits under floor as shown in the layout plan | 14000 | Rft | | 1 | |



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INFORMATION TECHNOLOGY DEPARTMENT

Tender: Refurbishment of Finance & Accounts Department, KMC for One Window Operation

Comparative Statement

| NO S. | and schematic diagrams. Work inclutagging at both ends. | Workstation wall mountain last | 4.4 1No. CAT-6 RJ-45 socket for Data/Vo shuttered click-ins, labels, jacks etc. identification tags. | | | 200 | | | | | | | 7 0/ 0/ 4 | |
|---------------------|--|---|--|----|----|-----|---|---|-----------------|--------------|--|------------------|--|------------------|
| Description | and schematic diagrams. Work includes all terminations, management and tagging at both ends. | Workstation wall mounted Information outlet having Single Face plate with 1No. CAT-6 RJ-45 socket for Data/Voice communication system including shuttered click-ins, labels, jacks etc. Complete in all respects with cable identification tags | | | | | nmissioning of complete structured cabling at | nmissioning of complete structured cabling at | ired cabling at | ng at | nissioning of complete structured cabling at Jacket/Single Armor, Low Smoke Zero d Loose Tube Cable 3M Make. | oling at | nissioning of complete structured cabling at Jacket/Single Armor, Low Smoke Zero d Loose Tube Cable 3M Make. | oling at ling at |
| | | 65 | | | 65 | | G G | (A) (A) | 200 | | | | 55 55 6 6 6 6 | 00 00 00 |
| Tota Qty | | N _o . | | 20 | | No. | No. | Job. | Job. | No. Rft Job. | No. Rft No. | Job. No. Rft No. | 9 9 | 9 9 |
| | | | | | | | | | | | | | | |
| Unit Price in Rs. | | | | | | | | | | | | 41,844 | 1,241,844 | 41,844 |
| Total Amount in Rs. | | | | | | | | | | | | 1,241,844 | 1,241,844 | 1,241,844 |



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KARACHI METROPOLITAN CORPORATION INFORMATION TECHNOLOGY DEPARTMENT

Tender: Refurbishment of Finance & Accounts D.

| Comparative ctata | Suppose Seconds D |
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| | epartment, KMC for Or |
| operation. | ne Window Operation |

| Supply of Split decorative wall mounted type Air Conditioning Units (2.0 Ton at 230 v,50 Hz, single-phase with following features complete in all respect. with vibration is olator, piping work complete in all respect. Supply and Installation of Fefrigerant piping with expanded rubber foam with the provision of inside or outside power supply PVC insulated copper and external units, complete in all respect. (R.ft.) Supply & installation of Size: 3/4" & 1" dia (R.ft.) PVC hard pipe class-D-fittings, etc., as shown on drawings and approved by the consultant prior to installation. Pipe Make: Beeta, Popular Pipe. Supply & installation wall mounted angle iron frame (8mm x 40mm), duly by the consultant prior to installation. | 55,932 | 1 Job ! | Job 1 | | Dismantling of Aluminum partitions, cc walls, cheesling of wash room tiles 1 | | | |
|--|--------|---------|-------|-----|--|--------|---|---|
| Supply of Split decorative wall mounted type Air Conditioning Units (2.0 Ton at 230 v,50 HZ, single-phase with following features complete in all respect. with vibration isolator, piping work complete in all respect ready to operated insulation protected with gray tape, gas charging if required. Control wiring and external units, complete in all respect. Supply and Installation of refrigerant piping with expanded rubber foam with the provision of inside or outside power supply PVC insulated copper and external units, complete in all respect. (R.ft.) Supply & installation of Size: 3/4" & 1" dia (R.ft.) PVC hard pipe class-D-fittings, etc., as shown on drawings and approved by the consultant. Pipe Make: Beeta, Popular Pipe. Supply & installation wall mounted angle iron frame (8mm x 40mm), duly by the consultant prior to installation. | | | Š | | | 1 | ~ | 2 |
| Supply of Split decorative wall mounted type Air Conditioning Units (2.0 Ton at 230 v,50 Hz, single-phase with following features complete in all respect. with vibration isolator, piping work complete in all respect. with vibration protected with gray tape, gas charging if required. Control wiring cable in PVC conduit (Make: Pakistan cable, Newage, AGE) between internal supply & installation of Size: 3/4" & 1" dia (R.ft.) PVC hard pipe class-D-fittings, etc., as shown on drawings and approved by the consultant. Supply & installation wall mounted to perset of the provision of the provision of size: 3/4" & 1" dia (R.ft.) PVC hard pipe class-D-fittings, etc., as shown on drawings and approved by the consultant. Supply & installation wall mounted to perset of the provision of size: 3/4" & 1" dia (R.ft.) PVC hard pipe class-D-fittings, etc., as shown on drawings and approved by the consultant. Supply & installation wall mounted to perset of the provision of size: 3/4" & 1" dia (R.ft.) PVC hard pipe class-D-fittings, etc., as shown on drawings and approved by the consultant. | | | N O | | | 5.5 | | |
| Supply of Split decorative wall mounted type Air Conditioning Units (2.0 Ton at 230 v,50 HZ, single-phase with following features complete in all respect. with vibration isolator, piping work complete in all respect. supply and Installation of Frigerant piping with expanded rubber foam with the provision of inside or outside power supply PVC insulated copper and external units, complete in all respect. (R.ft.) Supply & installation of Size: 3/4" & 1" dia (R.ft.) PVC hard pipe class-D-fittings, etc., as shown on drawings and approved by the consultation with traps, | | | No. | 350 | | ר ו | | |
| Supply of Split decorative wall mounted type Air Conditioning Units (2.0 Ton at 230 v,50 HZ, single-phase with following features complete in all respect. Supply and Installation of Air-Conditioning Units, complete in all respect. Supply and Installation of refrigerant piping with expanded rubber foam with the provision of inside or outside power supply PVC insulated copper and external units, complete in all respect. (R.ft.) | | | | | 4" & 1" dia (R.ft.) PVC hard pipe class-D- init to nearest drain point complete with traps, | 5.4 | 1 | |
| Supply of Split decorative wall mounted type Air Conditioning Units (2.0 Ton at 230 v,50 HZ, single-phase with following features complete in all respect. Supply and Installation of refrigerant piping with expanded rubber from insulation protected with graviting. | | | Rft | 800 | | U i | | |
| 5 HVAC WORK Supply of Split decorative wall mounted type Air Conditioning Units (2.0 Ton at 230 v,50 HZ, single-phase with following features complete in all respect. Installation of Air-Conditioning Units, complete in all respect ready to operate with vibration isolator, piping work complete in all respect ready to operate. | | | No. | ∞ | | 7 | | |
| 5 HVAC WORK Supply of Split decorative wall mounted type Air Conditioning Units (2.0 Ton at 230 v,50 HZ, single-phase with following features condensing unit, operated 8 | | | | | | 'n | | |
| 5.1 | | | 20 | ∞ | | | | |
| Desc 5 HVAC WORK | 1 Јор | | | | | (Jī | | |
| Desc | | | | | | | _ | |
| Desc | Total | | | | | | | |
| | | | | | Description Description | No s | _ | |







INFORMATION TECHNOLOGY DEPARTMENT

Tender: Refurbishment of Finance & Accounts Department, KMC for One Window Operation

Comparative Statement

| will be stacked at designated place and handed over to the owner accordingly, complete in all respects. 2 BLOCK MASONRY Providing and laying first class block masonry walls 6" thick set in (1:3) cement sand mortar, without plaster, complete in all respect. 3 SURFACE RENDERING Providing and laying ½" to ¾" thick cement sand plaster (1:4) to both sides of walls making edges and corners, preparation of surface before plastering, finishing scaffolding, curing etc. complete in all respect. 4 FLOORING Porcelain Tiles: Providing and laying 16" x 16" OR 24" x 24" approved porcelain tile flooring of "Master" China made, with dry bond including ,joint filling with approved matching grouting, cutting tiles where required etc. complete in all respect. 5 SKIRTING Providing and installation, in position where required, tile skirting as per drawing complete in all respects. |
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INFORMATION TECHNOLOGY DEPARTMENT

Tender: Refurbishment of Finance & Accounts Department, KMC for One Window Operation

Comparative Statement

| Making new DMS (Documents Management System) room for scanning, archival printing of documents. Complete with block masonry work plaster 1 Job 1Job 151,815 151,815 Workstation for DMS Room Providing and fixing new wooden work station, Formica finished wooden edging, complete with drawer unit and key board tray with low height Filling Rack for DMS Room Providing and fixing Metal Filing Rack with 16" Deep and 6' Feet Height and width approx 6' Feet with framing for filing in approved color. Iron Door for DMS Room (Imported) Provide and installation of Heavy Duty Iron Door with metal frame and Metal 2 Nos 1Job 11,186 11,186 WOOD WORK DOORS WASH ROOMS WASH ROOMS Total Amount Oty in Rs. Total Amount Rs. Total Amount In Rs. Total Unit Price Total Amount In Rs. Total Amount In Rs. Total Unit Price Total Amount In Rs. Total Unit Price Total Amount In Rs. Total Amount In Rs. Total Unit Price Total Amount In Rs. Total Amount In Rs. Total Unit Price Total In Rs. Total In Rs. Total Unit Price Total In Rs. Total In Rs. Total In Rs. Total Unit Price Total In Rs. Total In Rs. Total In Rs. Total Unit Price Total In Rs. Total In Rs. Total Unit Price Total In Rs. Total Unit Price Total In Rs. Total I | | | | V | | | | |
|--|--------------|------------|-------|------|------|--|----|-----|
| Making new DMS (Documents Management System) room for scanning, archival printing of documents. Complete with block masonry work plaster and paint as per site visit. Workstation for DMS Room Providing and fixing new wooden work station, Formica finished wooden edging, complete with drawer unit and key board tray with low height partition. Complete in all respect. Filling Rack for DMS Room Providing and fixing Metal Filing Rack with 16" Deep and 6' Feet Height and width approx 6' Feet with framing for filing in approved color. Iron Door for DMS Room (Imported) Provide and installation of Heavy Duty Iron Door with metal frame and Metal 2 Nos I Job 11,186 WOOD WORK DOORS Providing and fixing polish finened flush doors, with new wooden frame, lipping on all sides of the door with fitting, door looks, high quality hinges, etc. 10 Nos I Job 103,873 | | | | | | | | |
| Making new DMS (Documents Management System) room for scanning, archival printing of documents. Complete with block masonry work plaster and paint as per site visit. Workstation for DMS Room Providing and fixing new wooden work station, Formica finished wooden edging, complete with drawer unit and key board tray with low height partition. Complete in all respect. Filling Rack for DMS Room Providing and fixing Metal Filing Rack with 16" Deep and 6' Feet Height and width approx 6' Feet with framing for filing in approved color. Iron Door for DMS Room (Imported) Provide and installation of Heavy Duty Iron Door with metal frame and Metal Body Locks & Handles. WOOD WORK DOORS Providing and fixing polish finened flush doors, with new wooden frame, In Job 151,815 I Job 151,815 I Job 151,815 I Job 151,815 I Job 159,805 I Job 159,805 I Job 159,805 I Job 159,805 I Job 11,186 | 103,873 | 103,873 | lJob | | 10 | | 7 | |
| Making new DMS (Documents Management System) room for scanning, archival printing of documents. Complete with block masonry work plaster and paint as per site visit. Workstation for DMS Room Providing and fixing new wooden work station, Formica finished wooden edging, complete with drawer unit and key board tray with low height Filling Rack for DMS Room Providing and fixing Metal Filing Rack with 15" Deep and 6' Feet Height and width approx 6' Feet with framing for filing in approved color. Iron Door for DMS Room (Imported) Provide and installation of Heavy Duty Iron Door with metal frame and Metal 2 Nos I Job Body Locks & Handles. WOOD WORK DOORS Total Unit Price Qty Inns. 1 Job 151,815 1 Job 151,815 Nos I Job 159,805 1 Job 151,815 | | | | | | Providing and fixing polish finened flush doors, with new wooden frame, | | |
| Making new DMS (Documents Management System) room for scanning, archival printing of documents. Complete with block masonry work plaster Morkstation for DMS Room Providing and fixing new wooden work station, Formica finished wooden edging, complete with drawer unit and key board tray with low height Filling Rack for DMS Room Providing and fixing Metal Filing Rack with 16" Deep and 6' Feet Height and width approx 6' Feet with framing for filing in approved color. Iron Door for DMS Room (Imported) Provide and installation of Heavy Duty Iron Door with metal frame and Metal 2 Nos I Job 11,186 WOOD WORK | | | | | | | 10 | |
| Making new DMS (Documents Management System) room for scanning, archival printing of documents. Complete with block masonry work plaster and paint as per site visit. Workstation for DMS Room Providing and fixing new wooden work station, Formica finished wooden edging, complete with drawer unit and key board tray with low height partition. Complete in all respect. Filling Rack for DMS Room Providing and fixing Metal Filing Rack with 16" Deep and 6' Feet Height and width approx 6' Feet with framing for filing in approved color. Iron Door for DMS Room (Imported) Provide and installation of Heavy Duty Iron Door with metal frame and Metal 2 Nos IJob 11,186 | | | | | | WOOD WORK | | |
| Making new DMS (Documents Management System) room for scanning, archival printing of documents. Complete with block masonry work plaster Workstation for DMS Room Providing and fixing new wooden work station, Formica finished wooden edging, complete with drawer unit and key board tray with low height partition. Complete in all respect. Filling Rack for DMS Room Providing and fixing Metal Filing Rack with 16" Deep and 6' Feet Height and width approx 6' Feet with framing for filing in approved color. Iron Door for DMS Room (Imported) Total Unit Price Qty in Rs. I Job IJob 151,815 | 11,186 | 11,186 | l Job | Nos | 2 | Provide and installation of Heavy Duty Iron Door with metal frame and Metal Body Locks & Handles. | | |
| Making new DMS (Documents Management System) room for scanning, archival printing of documents. Complete with block masonry work plaster Workstation for DMS Room Providing and fixing new wooden work station, Formica finished wooden edging, complete with drawer unit and key board tray with low height partition. Complete in all respect. Filling Rack for DMS Room Providing and fixing Metal Filing Rack with 16" Deep and 6' Feet Height and width approx 6' Feet with framing for filing in approved color. Unit Price Qty in Rs. 1 Job IJob 151,815 Nos IJob 159,805 159,805 159,805 | | | | | | Iron Door for DMS Room (Imported) | 9 | |
| Making new DMS (Documents Management System) room for scanning, archival printing of documents. Complete with block masonry work plaster and paint as per site visit. Workstation for DMS Room Providing and fixing new wooden work station, Formica finished wooden edging, complete with drawer unit and key board tray with low height 4 Nos I Job 159,805 Filling Rack for DMS Room | 351,571 | 351,571 | I Job | Sqt. | 1000 | Providing and fixing Metal Filing Rack with 16" Deep and 6' Feet Height and width approx 6' Feet with framing for filing in approved color. | | |
| Making new DMS (Documents Management System) room for scanning, archival printing of documents. Complete with block masonry work plaster and paint as per site visit. Workstation for DMS Room Providing and fixing new wooden work station, Formica finished wooden edging, complete with drawer unit and key board tray with low height 4 Nos 1 Job 159,805 | | | | | | Filling Rack for DMS Room | ∞ | |
| Making new DMS (Documents Management System) room for scanning, and paint as per site visit. Description Total Unit Price Qty in Rs. I Job I Job 151,815 Workstation for DMS Room | 159,805 | 159,805 | l Job | | 4 | Providing and fixing new wooden work station, Formica finished wooden edging, complete with drawer unit and key board tray with low height partition. Complete in all respect. | | |
| Total Unit Price Qty in Rs. 1 Job I Job 151,815 | | | | | | | 7 | |
| Total Unit Price Qty in Rs. | 151,815 | 151,815 | I Job | Job | ы | archival printing of documents. Complete with block masonry work plaster and paint as per site visit. | | |
| Total Unit Price | in Rs. | in Rs. | Qty | | | Making and A | | 3 |
| | Total Amount | Unit Price | Total | | | Description | | 5 9 |



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INFORMATION TECHNOLOGY DEPARTMENT

Tender: Refurbishment of Finance & Accounts Department, KMC for One Window Operation

Comparative Statement

| and on floor. Complete with new water and drain line, new sanitary fittings Master made, new commode / W. C. of Porta and new wash basin. Including common area of work 12 WASH ROOM DOOR Providing and fixing Formica finished flush doors, size 2-6x7-0, lipping on all sides of the door with fittings, door locks, high quality hingles, etc. Complete in all respects. 13 KITCHEN CABINETS Providing and fabrication in 2 deep counter type with marble top kitchen cabinets work consists of drawer units, 3/4 thick laminated board boxing and PVC edging / lipping on sides of the leaves. Wood work will be polished and all fitting i.e screws, bolts, hingers, cathes, locks, handles and other all accessories are the part of job, anti termite treatment etc. Complete in all respects. |
|---|
| WASH ROOM DOOR Providing and fixing Formica finished flush doors, size 2-6x7-0, lipping on all sides of the door with fittings, door locks, high quality hingles, etc. Complete in all respects. KITCHEN CABINETS Providing and fabrication in 2 deep counter type with marble top kitchen cabinets work consists of drawer units, 3/4 thick laminated board boxing and PVC edging / lipping on sides of the leaves. Wood work will be polished and all fitting i.e screws, bolts, hingers, cathes, locks, handles and other all accessories are the part of job, anti termite treatment etc. Complete in all respects. |
| s of the door with respects. HEN CABINETS iding and fabricate work consists edging / lipping on it. escrews, bolts ssories are the paects. HEIGHT WOODER |
| abrication in 2 de onsists of drawe ping on sides of s, bolts, hingers, the part of job, a |
| DINICTO |
| 3/4 thick lami es. Wood wo locks, handle: nite treatmen |
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INFORMATION TECHNOLOGY DEPARTMENT

Tender: Refurbishment of Finance & Accounts Department, KMC for One Window Operation

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|-----|----|---|-------|--------------|---------------------|
| | 16 | wooden channel polish including all necessary fittings, SS handles, locks, floor mounted machine. complete in all respects | or ad | nd or 378 | |
| | 17 | Polishing of existing wall cladding and doors by same finish. | | 2,500 | 2,500 sft |
| | 18 | PAINTING. | | | |
| | | Providing and painting by plastic paint on walls of desired color and shade of ICI / Berger, surfaces with puttine. Complete in all respects | - T | f 20,000 | |
| | 19 | FALSE CEILING | | | |
| | | Laminated Gypsum board false ceiling: Providing and fixing laminated gypsum board false ceiling 2' x 2' with hangers. Complete in all respects. | | 15,000 | |
| | 20 | WOODEN PARTITION WALL | | | |
| | | Supply, making and Installation of wooden partition consisting of internal partal wood framing 24" x 24" with ½" MDF sheet pasted both side with appropriate size of grooves. | | 600 | 600 sft |
| 2 | 21 | MS GRILL | | | |
| | | Providing and fixing MS grills on existing Glass windows, made by $1/2 \times 1/2$ sqaure bars with 6x6 c.c ll around 1x1 angles. Finished in paint. Complete in all respect. | 4 | 400 | 400 sft IJob |
| | | FURNITURE | | | |





INFORMATION TECHNOLOGY DEPARTMENT

Tender: Refurbishment of Finance & Accounts Department, KMC for One Window Operation

Comparative Statement

| S º | Description | | | Total Qty | Unit Price in Rs. |
|-----|--|-----|-----|--------------|-------------------|
| 22 | WORK STATION | | | 45 | |
| | Providing and fixing new wooden work station, Formica finished wooden edging, complete with drawer unit and key board tray with low height partition. Complete in all respect. | 38 | Nos | I Job | 1,487,783 |
| 23 | OFFICERS DESK | | | | |
| | Providing and fixing new officers desk with side racks size 3' 6"v1' 6" +5615 | | | | |
| | size 5'-0"x2'-6". Complete in all respect. | 20 | Nos | dorı | 135,115 |
| 24 | Providing staff visitors chairs as per design. chaister Make. | 60 | Nos | I Job | 799,024 |
| 25 | Providing high back officers chairs. | 20 | Nos | I Job | 527,356 |
| 26 | Providing waiting area single seater sofa. | 15 | Nos | I Job | 207,746 |
| 2/ | Providing and fixing of vertical / horizontal windows blind imported | 500 | sft | doLI | 59,927 |
| 28 | Beautification and Designing of entrance wall of reception area. | 1 | job | Job | 95,883 |
| | Grand Total | | | | |

Rupees in Words: Twenty Two Million Four Hundred Eighty Six Thousand Six Hundred Thirty Two Only (2 GOB WICKWENTHAM)

Howard Con 17 EE LD A Bir(Cocord & Admin) Many Strong Strong & Strong





INFORMATION TECHNOLOGY DEPARTMENT

Tender: Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts, KIMC

| | | | | | | | | | | 1 | | | | NO S. | |
|----------------|---------|---------------------------------|--|----------------------------------|------------------------------------|-------------------|--------------|------------------|---------------------|---------------------------------|---|-----------------------------------|---------------------|---|---------|
| | ω | 2 | 1 | Þ | 7 | 6 | 5 | 4 | ω | 2 | ы | A | - 1 | | |
| 1 Carl Murring | | Kg of extinguishing agent FM200 | MODULAR CYLINDER pressurized with nitrogen with a charge pressure of 25bar. Equipped with valve, built with brass. | Power Room Size: 16" x 12' x 11' | Pipe Network Sch-40 & Installation | Brass Nozzle 360º | Caution Sign | Cylinder Bracket | Electrical Actuator | Kg of extinguishing agent FM200 | MODULAR CYLINDER pressurized with nitrogen charge pressure of 25bar. Equipped with valve & accessories. | Data Center Size: 16' x 19' x 11' | ystem for Serv | Comparative Statement M/s. Computer Marketing Co. (Pvt.) Ltd Description | |
| | 36 | , | 7 | 1 | 1 | 1 | L | Ь | 60 | - | _ | | | (etin | |
| P CK | KG | 2 | | ЈОВ | K | K | Ę | Ę | κ G | S | | | | g Co. | HOISIDE |
| | | 1 | | | | | | n | | | | | 0 70 | (Pvt.) | of Fina |
| | | 78 | | | | | | ļ, | | | | | HUNGER PROBLEM | Ltd | Inca & |
| | | 788,705 | | | | | i | 1,011.040 | | | | | Unit Price in Rs. | eting Co. (Pvt.) Ltd | 1000 |
| | 700,705 | 700 701 | | | 2.7 | | 1,011,040 | | | | | | Total Amount in Rs. | s, KMC | |







KARACHI METROPOLITAN CORPORATION INFORMATION TECHNOLOGY DEBARTAGE INFORMATION TECHNOLOGY DEBARTAGE

INFORMATION TECHNOLOGY DEPARTMENT

Tender: Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts, KMC

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| 4 | Fire Extinguisher CO2 Town 5 100 | Air Breathing Apparetus | Sub Total | Installation, Testing & Commissioning | ble | | | Sounder Flasher | Fire Alarm Bell 6" | | Smoke Detector with Race | Extinguishing Agent Releasing Panel with Batter Backup. | Detection System | Pipe Network Sch-40 & Installation | DI dSS NOZZIE 360º | | Caution Sign | Cylinder Bracket | Description | Tue serie active statement |
| | | | | 1 | 1 | 2 | 2 | | 2 | 10 | 1 | S | | 1 | 1 | 1 | Ь | | | |
| K | K | | | JOB | ЈОВ | Ę | K | 9 | Ę | K | 2 | Ę | | JOB | Ş | K | Ş | | | |
| | | - | | | | Д | | | | | | | | | | | | Qty | Total | |
| ž | | | | | | 700,607 | | | | | | | | | | | | in Rs. | Unit Price | |
| | | | | | | 700 607 | | | | | | | | | | | | in Rs. | Total Amount | |





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INFORMATION TECHNOLOGY DEPARTMENT

Tender: Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts, KMC

Comparative Statement

| NO | Description | | | Total | Unit Price | Total Amount |
|-----|--|-----|-----|-------|------------|---------------------|
| | | | | Qty | in Rs. | in Rc |
| 10 | CABLE TRAY | | | | | |
| | Supply and Installation of 8" x 3" size of Cable Tray Powder coated without cover. | 340 | Rft | | 1706 | 580125 |
| ιω | <u>CCTV</u> | | | | | |
| 3.1 | Supply and Installation Stand Alone 16 Channel Real Time Stand Alone Network Digital Video Recorder (DVR) With DVD-Writer & 02 T R HDD | _ | 3 | | | |
| | Complete with all respects. | Н | No. | | | |
| 3.2 | Providing Licensed (CMS) IP (LAN / WAN) Remote Viewing Software for 01 ~ 64 Cameras Complete with all respects | 1 | No. | | 1,010,691 | 1,010,691 |
| 3.3 | Metal Doom Day / Night & Night Vision Camera With Auto Iris & Veri Focal (2.8 ~ 12mm) Lens With IP 67 Housing Complete with all respect. | 16 | No. | | | |
| 14 | DOOR ACCESS SYSTEM | | | | | |
| 4.1 | Network Proximity Access Control. | 4 | No. | | × | |
| 4.2 | ERB Proximity Sub Reader For Exit Identity. | 4 | No. | | | |
| 4.3 | Licensed Powerful In / Out & Time Attendance Software. | - | No. | | 63,026 | 252,107 |
| 4.4 | Dead Bolt / Electro Magnetic Lock SL-200 / UB-200 | 4 | No. | | | |
| 4.5 | RS 485 / 232 OR TCP / IP Interface Converter | 1 | No. | | | |



KARACHI METROPOLITAN CORPORATION INFORMATION TECHNOLOGY DEPARTMENT

Tender: Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts, KMC

| 4.7 Proximity Card ISO Standard Size and Thickness, Thin, Flexible Polyvinyl Chloride Laminated, Passive Type, easy Printable on Both Sides. |
|--|
| 4.8 Installation Charges With Testing, Commissioning & Training. |
| 5 Made in USA Made in USA |
| 5.1 Temperature and humidity controller LAN BASED ALERT ON FMAILS |
| 5.2 Digital temperature |
| 5.3 Digital humidity sensor |
| 5.4 Water detector |
| 5.5 It Should allow data center administrators to combine monitoring of the equipments, environment and safety of the facility altogether. |
| Offers a user-friendly GUI to set up and manage data center infrastructure appliances |
| Real-time monitoring on environmental, power, cooling, and security in data center |
| Video surveillance supports video recording/back |

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KARACHI METROPOLITAN CORPORATION INFORMATION TECHNOLOGY DEPARTM

| | ender: |
|---------------|--------------------------------------|
| Accounts, KMC | ender: Data-Centre / Front End Inch. |

Comparative Statement

| Job 206,317 206,317 Sq.ft 813,516 813,516 | | | | t |
|--|----------|---|-----|---|
| 206,317 | 175 S | DOORS DOORS | 100 | |
| 206,317 | 2/0 8 | New Aluminum Glass Partition Wall with 12mm thick Glass Control | | |
| 206,317 | | New Aluminum Glass Partition Wall with 12mm thick Glass for Data Center | 7.1 | |
| 206,317 | | NEW PARTITION | 7 | |
| 206,317 | F | Existing Lights & Electrical Wiring/ Cable Tray Etc. | 6.3 | |
| | | Existing Walls | 6.2 | |
| | | Aluminum Partition | 6.1 | |
| | | DISMANTLING WORK | 16 | |
| | | CIVIL & ALLIED WORK | | |
| | | Report and analysis on data center/device operation; PUE statistics | | |
| | | Alarm notification by Email, SMS | | |
| | | Relay actions triggered by alarm or events | | |
| | | Room access control management | | |
| | | recording action triggered by alarm | | |
| Qty in Rs. in Rs. | | | | |
| - | | Description | | 2 |

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KARACHI METROPOLITAN CORPORATION INFORMATION TECHNOLOGY DEPARTMENT

Tender: Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts, KMC

| 259.426 | 259,426 | 2 | 0. | 6 No. | | |
|---------------------|---------|-------|-------|-------|--|------|
| | | | | | | 13.1 |
| 39,174 | 261.16 | | Jr.pc | 170 | FURNITURE FOR NOC AREA | 13 |
| | | | | | 1 Providing and Fixing of Vertical/Horizontal Windows Blinds Imported. | 12.1 |
| | | | n.pc | 220 | | 12 |
| 402.187 | 731.25 | | | | 1 Providing and Laying of 16"x16" Porcelin Tiles UAE Brand in NOC Area. | 11.1 |
| | | | Sq.ft | 050 | FLOOR TILES | 111 |
| 877,210 | , | | | | .2 Anti-Dust paint on floor. 4 coats | 10.2 |
| | 613.728 | | Sq.ft | 200 | Apply Paint Work in New and Existing Walls in Matt Finish Make ICI. | 10.1 |
| 365,625 | 200,020 | | | | PAINT WORK | 10 |
| | 365 625 | | Sq.ft | 100 | Olosing the exiting Door/ Windows with new block masonry wall including with both side plaster. | 9.1 |
| 277,526 | 138,763 | | NO. | | 9 BLOCK MASONARY WORK | 19 |
| 247,232 | 61,808 | | No. | 4 0 | | 8.2 |
| Total Amount in Rs. | in Rs. | Qty | | | 8.1 New 12mm thick Glass / Wooden Door with locks, handle with door closer | 8.1 |
| | - | Total | | | Description | NO |
| | | | | | 10 July 2 | ÿ |



INFORMATION TECHNOLOGY DEPARTMENT

Tender: Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts, KMC

| | 16 | 15.4 | 15.3 | | 15.2 | 15.1 | 15 | 14.1 | 14 | 13.2 | NO | ý |
|---|-----------------------------------|---|---|--|--|--|------------------------------|--|--------------------|-------------------------------|--------------|---|
| Supply , installation, testing and commissioning of following distribution panels in accordance with the attached single line diagrams and lavour | MAIN POWER SYSTEM FOR DATA CENTER | to outlet with 3 x 2.5 sqmm. + 1 x 2.5 sqmm PVC Single Core Cable in specified / appropriate size of concealed PVC conduit. | first outlet with 3 x 2.5 sqmm. + 1 x 2.5sqmm PVC Single Core Cable in specified / appropriate size of concealed PVC conduit. Circuit Wiring of 5A / 15A switches specified for computers units from DB to | Circuit Wiring of 5A / 15A switches sockets for some | Wiring for 32A Industrial with 3-Core 4 Sq.mm Multicore Cable Socket from DB to first outlet with following size of wires in appropriate size of PVC | Supply and Installation of 32 AMPS Industrial Socket 3-Pin Clipsal Make. | POWER WIRING FOR DATA CENTER | Cladding / Covering of Outside Electrical, Data Communication cables and Air-conditioning piping | G.I SHEET CLADDING | Executive Tables with Chairs. | Description | |
| | | 10 | 6 | 0 | 150 | 40 | | 200 | F | - | | |
| | | No. | No. | | Rf+ | No. | | Sq.ft | NO. | 2 | | |
| > | | | | | , | | | | | Qty | Total | |
| , | | | 723,415 | | | | | 226,339 | | in Rs. | Unit Price | |
| | | | 723,415 | | | | | 226.339 | | he a | Total Amount | |



NO S.

KARACHI METROPOLITAN CORPORATION INFORMATION TECHNOLOGY DEPARTMENT

Tender: Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts, KMC

Comparative Statement

| 16.1 | |
|--|--|
| The ATS Panel shall comprises of main incoming circuit breakers for KESC and DG Set including Auto Phase Correction for KESC Supply via magnetic with manual by pass using dual change over units of equal rating. After auto section will have ATS for auto switching between KESC and Generator with outgoing circuit breakers of same rating for generator supply to ATS units. Supply with an spare of each section shall have two circuit breaker for UPS sections for manual operation, interlocked with each other. Also the interlocked with the other breaker for UPS by pass. Each incoming circuit shut down system. Item includes digital panel monitoring for local and remote monitoring. (S.A ELECTRIC, HUSSAIN & CO, TAJ ENGINEERING MAKE, | plans. The panels shall be made with 16 SWG sheet steel housing, powder coated after antirust primers. The Copper Bus Bars shall be tin electroplated with protective color coded heat shrink sleeves. All distribution panels shall the shop drawings prior to fabrication for client's approval. (S.A ELECTRIC, HUSSAIN & CO, TAJ ENGINEERING MAKE, AREVA MAKE.) |
| N _O | |
| 2 | |
| 1 | Oty |
| 191,517 | Unit Price in Rs. |
| 383,035 | Total Amoun in Rs. |



INFORMATION TECHNOLOGY DEPARTMENT

| NO Description AREVA MAKE.) Description AREVA MAKE.) Description AREVA MAKE.) Description Total Unit Price Total Amount Otty In Rs. In Rs. IDBA & B The UDBA & B shall be provided with a main incoming circuit breaker of appropriate rating and min 24.15A, double pole circuit breakers plus 3x.10A comprise of a Bus Coupler of same rating with interlocking arrangements for ups/upstream distribution system. Any one of UDB shall manual energization of both paths, in case of failure of any manual energization of both paths, in case of failure of any manual energization of both paths, in case of failure of any energy devices. (S.A ELECTRIC, HUSSAIN & CO, TAJ 16.3 DBC. (User Power) 16.4 DB-E (Lighting + Normal Power) 17. No. 127,795 127,795 18.5 DB-AC (Air Condition Power) 18.6 DB-AC (Air Condition Power) 19.0 127,795 127,795 19.7 No. 127,795 127,795 19.7 No. 127,795 127,795 19.7 No. 127,795 127,795 10.4 No. 127,795 127,795 10.5 No. 127,795 127,795 10.6 Nain/Sub-main Power distribution system in already installed conduits, compression lugs, color coded sleeves, identification tags etc. 3.4 × 95 sqmm | 449 047 | 2,245 | | Rft | 200 | | | - |
|--|---------|------------|-------|-----|----------|---|------|-----|
| AREVA MAKE.) Description AREVA MAKE.) Description AREVA MAKE.) Description Total Unit Price Qty In Rs. UDB-A & B The UDB-A & B shall be provided with a main incoming circuit breaker of appropriate rating and min 24x16A double pole circuit breakers plus 3x10A comprise of a Bus Coupler of same rating with interlocking arrangements for ups/upstream distribution system. Any one of UDB shall manual energization of both paths, in case of failure of any one ups/upstream distribution system. Panel shall be equipped with all ENGINEERING MAKE, AREVA MAKE.) 16.3 DBC (User Power) 16.4 DB-E (Lighting + Normal Power) 1 No. 127,795 Supply, installation, testing, termination and commissioning of following Main/Sub-main Power distribution system in already installed conduits, compression lugs, color coded sleeves, identification teac accessories like | | | | | | a, 4 x 95 sqmm | | |
| Comparative Statement Description Description Description Total Unit Price Qty In Rs. | | | | | | | 16.6 | |
| Comparative Statement Description Desc | 127 | 127,795 | | No. | - | Supply, installation, testing, termination and commissioning of following | | |
| Comparative Statement Description AREVA MAKE.) Description AREVA MAKE.) Description Total Unit Price Qty in Rs. UDB-A & B The UDB-A & B shall be provided with a main incoming circuit breaker of appropriate rating and min 24x16A double pole circuit breakers plus 3x10A comprise of a Bus Coupler of same rating with interlocking arrangements for ups/upstream distribution system. Any one of UDB shall manual energization of both paths, in case of failure of any one monitoring / metering devices. (S.A ELECTRIC, HUSSAIN & CO, TAJ) 16.3 DBC- (User Power) 1 No. 127,795 | 127 | 127,795 | | No. | ۲ ۲ | DB-AC | 16.5 | |
| Comparative Statement Description AREVA MAKE.) Description Total Unit Price Qty in Rs. UDB-A & B The UDB-A & B shall be provided with a main incoming circuit breaker of appropriate rating and min 24x16A double pole circuit breakers plus 3x10A comprise of a Bus Coupler of same rating with interlocking arrangements for ups/upstream distribution system. Any one of UDB shall manual energization of both paths, in case of failure of any one ups/upstream distribution system. Panel shall be equipped with all englipped with | 127 | 127,795 | | No. | 7 1 | DB-E | 16.4 | |
| AREVA MAKE.) Description AREVA MAKE.) Description Total Unit Price Qty in Rs. DP circuit breakers for rack power distribution system. Any one of UDB shall manual energization of both paths, in case of failure of any one ups/upstream distribution system. Panel shall be equipped with all ENGINEERING MAKE, AREVA MAKE.) Comprise of a Bus Coupler of same rating with interlocking arrangements for ups/upstream distribution system. Panel shall be equipped with all ENGINEERING MAKE, AREVA MAKE.) | | | | | | DBC - | 16.3 | |
| Comparative Statement Description AREVA MAKE.) Description Total Unit Price Qty in Rs. The UDB-A & B shall be provided with a main income. | 38 | 194,651 | | No. | | _ | 16.2 | |
| Comparative Statement Total Unit Price AREVA MAKE.) Comparative Statement Description Qty in Rs. | | | | | | The UDB-A & B shall be provided with a main incoming. | | |
| Comparative Statement Description Description Description Description | 5 | in Rs. | Qty | | | | | |
| | Total / | Unit Price | Total | | | | | |
| | | | | | | Comparative Statement | 0 | N S |
| | | | | 1 | 77 17 77 | "" ONVIATION TECHNOLOGY DEPARTMENT | 6 | |

2,245

449,047

KARACHI METROPOLITAN CORPORATION INFORMATION TECHNOLOGY DEPARTMENT

Tender: Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts, KMC

| NO Y | | | L | | 17.1 | 17.2 | | 17.3 | |
|--------------|----------------|---------------------|--|---|--|--|--|---|---------------------------------|
| Description | b, 4 x 35 sqmm | GROUNDING & BONDING | Providing, installation, testing and commissioning of following items for earthing & bonding system of complete data center including all material, boring, labor, tools, transportation, accessories etc. Complete in all respects including detailed test reports. | High Conductivity Active Green Earth Station using 38 mm dia tin plated | copper pipe including 6" dia, 11' deep boring and earth enhancement electrolytic compound. Earth station shall be provided with inspection chamber and heavy duty round MS cover, painted with anti rust paint. The earth lead shall be terminated at the copper pipe using proper cad weld jointing method. | Earth Connecting Point 200 mm x 50 mm x 5 mm electroplated Copper bar, as shown in drawings. Bar shall be provided with holes suitable for | installation of required earth leads. The test bar shall be enclosed in powder coated metal enclosure as approved by the client. | Single Core PVC insulated , 50 Sqmm Stranded Copper Conductor, green in color from earth pit to earth connecting point / Panels in specified size UPVC Conduit / Cable tray as required complete in all respect. | LIGHTING SYSTEM FOR DATA CENTER |
| | | 100 | | | 2 | | 7 | 00 Rft | |
| | | Rft | | | Nos. | | No. | # | |
| Total | Qty | | | | | | | | |
| Unit Price | in Rs. | 957.58 | | | 209,103 | | | | |
| Total Amount | in Rs. | 95,758 | | | 418,205 | | | | |

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KARACHI METROPOLITAN CORPORATION INFORMATION TECHNOLOGY DEPARTMENT

Tender: Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts, KMC

| Comparative Statemen | Comparation |
|----------------------|-------------|
| | |

| | NO | 18.1 | Description Supply and installation of concorde LED Panel light set complete the set of | | - | | Total Qty |
|---|----|------|---|---------|-----------|-------|-----------|
| 8.4 8.3 8.5 8.7 S 8.6 S 8.7 S | | 10.1 | spects. | th all | th all 20 | | 20 |
| 8.4 8.3 8.4 8.4 8.3 8.6 8.4 8.3 8.4 8.3 8.5 8.4 8.3 8.5 8.4 8.4 8.3 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 | | 18.2 | pply and installation of Exit Light Menvier Make Imported. | | 2 | 2 | |
| 8.4 8.7 8.7 8.7 8.7 8.4 | | 18.3 | oply and installation of Emergency Light 2'x2' size with Kit Make Imp | orted. | | 2 | 2 |
| 3.6 | | 18.4 | cuit wiring from DB to switch board with 2x2.5 sqmm + ECC 1x2.5 sqcore PVC wire in appropriate size of PVC pipe in appropriate in wall, umn or above false ceiling, including any wiring between switches one circuit, complete in all respects. | u , mm, | nm, | 3 - | 3 - |
| 3.6 | | 18.5 | ing of light point from switch board to point with 1.5 sqmm commotral of 2.5 sqmm and common ECC of 1.5 sqmm wires in specified / ropriate size of exposed / concealed PVC conduit complete. |)n | 15 | 3 | n 15 |
| 8.7 | | 18.6 | e as Item # 3 wiring from point to point | | 15 | 15 NO | |
| | | 18.7 | oly and installation of switches Clipsal Including Ms back box comp | | | | |
| | | | hree gang | | ם | | ם |
| | | 3 | our gang | | 2 | | |
| Providing, Installation, testing and Commissioning of following airconditioning units for server room, Power room, NOC area Most more | | 19 | CONDITIONING, SUPPLY & INSTALLATION. | | | | |
| | | | Providing, Installation, testing and Commissioning of following air-conditioning units for server room, Power room, NOC area, Meet me Room | 3 | 3 | 3 | |

KARACHI METROPOLITAN CORPORATION

INFORMATION TECHNOLOGY DEPARTMENT

Tender: Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts, KMC

Comparative Statement

| No | Description | | | Total | Unit Price | Total Amount |
|------|---|------|-----|-------|------------|--------------|
| | reception area & Front Lab etc. | | | Qty | in Rs. | in Rs. |
| 19.1 | <u>Precision cooling</u> (12.5kW) inverter type comfort AC including indoor & outdoor unit Upflow Plenum, Power Supply 400V/3PH/50Hz, Refrigerant R407C. | 2 | No. | | | |
| | Designed for 24x7 operation | | | | 1,504,634 | 3.009.268 |
| | Floor Standing Unit (2 % Ton) inverter type comfort 0.5 (5) | | | | , , , , | 3,003,200 |
| 19.2 | including indoor & outdoor unit operated at 230 v,50 HZ, 1 phase with complete in all respect. USA /Japan/Korea Origin Sequential A/C Control for AC's inside Power room. Control shall be configured so that one split AC remains operational for 12 hours and the other one remaining 12 hours. | 2 | No. | | 257,679 | 515,357 |
| 19.3 | Wall mount Unit (2.0 ton) inverter type comfort AC (Cool only) including indoor & outdoor unit operated at 230 v,50 HZ, 1 phase with complete in all respect. USA /Japan/Korea Origin. | 4 | No. | | 195,000 | 780,000 |
| | De-humidifier unit | | | | | |
| | Dehumidifier Features | | | | | |
| , a | Adjustable Humidistat – A system that turns the dehumidifier on and off N | Nos. | | | | |
| | Digital Display – A display of current relative humidity levels and settings | | | | | |



KARACHI METROPOLITAN CORPORATION

INFORMATION TECHNOLOGY DEPARTMENT

Tender: Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts, KMC

Comparative Statement

| NO | Description | Total | Unit Price |
|------|---|-------|------------|
| | Automatic Shut-Off – A standard feature that shuts off the dehumidifier when the tank is full | Qty | |
| | Drain Hose Connection – A connection that allows you to bypass the bucket in a portable dehumidifier and empty water into a hose leading to a drain | | |
| | Automatic Defrost – A system that saves energy by automatically shutting off the unit if frost forms on the coils, preventing proper operation | | |
| | Multi-Speed Fan – A type of fan that runs at slower speeds in less humid conditions, reducing noise and energy consumption | | |
| | Built-in Pump – A system that allows you to run the drain hose up to a window, sink or elevated drain | | |
| | Safety Listing: A guarantee that an independent testing agency, such as Underwriters Laboratories (UL mark), | | |
| | Intertek (ETL mark) or the Canadian Standards Association (CSA mark) has ensured the humidifier is safe for its. | | |
| | Ultrasonic Electronic Rodent Control | | |
| 19.4 | For Datacenter Covers independently each areas of Server room, Power room, meet me room, NOC area etc. through multiple transducers. | set | |
| | | | A |

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KARACHI METROPOLITAN CORPORATION

INFORMATION TECHNOLOGY DEPARTMENT

Tender: Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts, KMC

| 7 29 | 2 | | 0 | as snown in the drawings and schematic diagrams. Work includes all | | |
|------------|-------|----------------|----------|--|------|----|
| . | | Rff | 400 | Category 6 , UTP cables, for inter rack communication system from distribution rack to each rack in already installed communication cable track | 20.1 | |
| 17,0 | 9 | | | COMPUTER SYSTEM OF DATA CENTER | 20 | |
| 3/10 21/ | 2 | N _O | 1 | Automatic Voltage Regulator, 3 Phase, 50KVA, Servo controlled, Stabimatic or Equivalent. | 19.9 | |
| 304,688 | 30 | No | н | Stabimatic or Equivalent. | | |
| | | | | Isolation Transformer, 3 Phase, 50KVA | 19.8 | |
| | | | | P Full HD 1080 | | |
| | | | | ☑ Cable TV port, RF port, HDMI port, VGA port | | |
| ,,,,, | | Nos. | 4 | 2 to 4GB Built-In Memory, USB Play port | | |
| 130 580 | | | | 40 inch 3D smart LED Monitor with built-In Wi-Fi, Android or Windows Operating System | 19.7 | |
| | | | | management tools, surveillance and other monitoring etc | | |
| 1,486,025 | 1, | No | - | NOC area Smart LED Monitor for database system and the second sec | | |
| 945,653 | | NOS | , 1 | | 19.6 | |
| in Rs. | | | A | Cisco WS-C3750X-24P-S Catalyst 37 | 19.5 | |
| Unit Price | Total | | | Description | | NO |
| | | | | <u>comparative Statement</u> | | s. |
| | | | | | | 1 |



KARACHI METROPOLITAN CORPORATION INFORMATION TECHNOLOGY DEPARTMENT

Tender: Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts, KMC

| 4,893,339 | 2,446,655 4, | 2,44 | | , | | |
|---------------------|-----------------|-------|-----|----------|---|----|
| | | | | | a 20KVA-40KVA N+1, Scalable upto 100KVA 400V 3-Phase. 2 Sets | ۵ |
| | | | | | Data Center UPS Rackable with Redundant UPS Module | 2 |
| 30,642 | 510.7 | | No. | | UPS for Data Center & NOC Equipment | |
| 2,611 | 261.1 | | No. | 0 | B 3 meter long Drop Cords. | - |
| | | | | | | - |
| | | | | | Category-6 Factory Certified tangle free RJ-45 to RJ-45 type patch cords in patch panels. (Systimax Make) | |
| 52.232 | 1,045 | | No. | 50 | identification tags. (Systimax Make) | |
| 417,858 | 52,233 | | | | Workstation/wall mounted Information outlet having Duplex Face plate with 20.3 | |
| | | | No. | ∞ | in all respect. (Systimax Make) | |
| Total Amount in Rs. | in Rs. | Qty | | | | |
| | | Total | | | | NO |
| KMC | S Accounts, KMC | | | | S | S |



INFORMATION TECHNOLOGY DEPARTMENT

Tender: Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts, KMC

Comparative Statement

| | IP based PDU indicator, Ethe Equivalent | Emerson or Equivalent | . Scalable power capacit Management Software . | Alarms, Automa Automatic self-t connected in pa internal redund: compatible, Hot swappable mod Modular design | S. | |
|------------|--|-----------------------|---|--|------------------------------|--|
| | IP based PDU strips Min 20 sockets, digital indicator, Ethernet interface, Emerson or Equivalent | quivalent | . Scalable power capacity, UPS Management Software . | Alarms, Automatic internal bypass, Automatic self-test, Battery modules connected in parallel; Configurable for N+1 internal redundancy. Generator compatible, Hot-swappable batteries, Hot- swappable modules; Battery management, Modular design | Description | |
| Total | Nos | | | | Total Qty | |
| | | | | 66,807 | Total Unit Price Qty in Rs. | |
| 31,475,221 | | | | 534,456 | Total Amount in Rs. | |

(800mbod fr 8001) Rupees in Words: Twenty Two Million Four Hundred Eighty Six Thousand Six Hundred Thirty Two Only

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2. In view of the above, the procuring agency is advised to furnish the above said justification / clarification in terms of relevant provisions of SPP Rules, 2010 (Amended-2013). It may however be noted that compliance of SPP Rules 2010 (amended 2013) is the sole responsibility of procuring agency, therefore it is advised to ensure the compliance of Rules in letter & spirit in its own interest.

Assistant Director (Assessment)

Copy forwarded for information to:-

- ✓ The Secretary, Local Government Department, Government of Sindh, Karachi.
- ✓ Administrator, Karachi Metropolitan Corporation, Karachi.
- ✓ The Staff Officer to MD, SPPRA.



No. A.D(A-III)/SPPRA/299(26360-KMC)/2015-16/

GOVERNMENT OF SINDH SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

Karachi, dated the

May, 2016

To,

The Senior Director,

Information Technology Department (IT),

Karachi Metropolitan Corporation,

Karachi.

\$///

Subject:

NIT NO. KMC/SR.DIRECTOR/IT/2016/55, DATED: 01.02.2016 (Sr. No.

26360).

The undersigned is directed to refer to the Notice Inviting Tender vide your office letter ref No. KMC/Sr.Director/IT/2016/55, Dated: 01.02.2016 and Bid Evaluation Reports (BERs) furnished vide your office letter No. KMC/Sr.Director/IT/2016/227, Dated: 12.05.2016 and to inform that the bid evaluation report is not hosted on Authority's website due to following reasons / infirmities:-

- i. The Procuring Agency (PA) is advised to furnish approval of Head of Department for constitution of Procurement Committee as per SPP rules.
- ii. As per Rule-31(2), the complaint redressal committee shall be headed by the head of procuring agency or an official of the procuring agency, at least one rank senior to the head of the procurement committee and as per of SPP Rules, 2010 (Amended 2013).
- iii. Clipping of the advertisement published in Sindhi language newspaper are required under Rules-17(1A)&(2) of SPP Rules, 2010 (Amended 2013). Still awaited.
- iv. PA has not use word or equivalent with Country / Brand name in Bill of Quantities for all 03 works, which is not in consonance of Rule-13 of SPP Rules, 2010 (Amended-2013).
- v. PA has not attached bid data sheet in bidding document as required under Rule-21(1)(b) of SPP Rules, 2010 (Amended-2013).
- vi. PA has not attached Instruction to bidders in bidding document as required under Rule-21(1)(c) of SPP Rules, 2010.
- vii. PA has mentioned / specified the bid validity period as 120 days in bidding documents, which is not in consonance with Rule-38 for National competitive bidding. Clarification required.
- viii. The procuring agency has not furnish compliance of Rule-48, in respect of subject work as only one bidder has taken part and declared qualified.
- ix. Clarification required regarding wrongly mentioned Rupees in Words (i.e. Twenty Two Million Four Hundred Eighty Six Thousand Six Hundred Thirty Two Only) for item No. 03 mentioned in comparative Statement at last page.
- x. Clarification required regarding estimated cost mentioned in APP is 20.00 Million for each work and amount above more than 20% mentioned in Bid Evaluation Reports and comparative statement of all 03 works.
- xi. If amount of procurement exceeding Rs. 10 million for Goods and Works and Rs. 2.5 million for Service shall be subject to an Integrity Pact in terms of Rule-89 of SPP Rules, 2010 (Amended-2013).

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(2)

In view of the above, the procuring agency is advised to furnish the above said justification / clarification in terms of relevant provisions of SPP Rules, 2010 (Amended-2013). It may however be noted that compliance of SPP Rules 2010 (amended 2013) is the sole responsibility of procuring agency, therefore it is advised to ensure the compliance of Rules in letter & spirit in its own interest.

Assistant Director (Assessment)

Copy forwarded for information to:-

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- ✓ Administrator, Karachi Metropolitan Corporation, Karachi.
- ✓ The Staff Officer to MD, SPPRA.

Days for National Competitive Bidding, 120 days written due to typing mistake and noted for future.

- viii) More than one bidders are participated in (02) two out of (03) three tenders but unfortunately they (Bidders) were not Technically qualified, Hence the Rules 48 is complied by advertising in accordance to Rules and Regulations as compare with the available Market prices.
- ix) Typo graphical mistake was occurred in Comparative Statement of Tender#3, In this context the same is noted for future.
- x) We are submitting Revised PC-1 as per recommendation of the Procurement Committee, which will clarify the estimated cost accordingly.
- xi) Integrity Pack as per Rule 89 of SPP Rules, 2010 (amended 2013) will be followed in final selection / agreement.

Director (IT)

Encl:____

Copy for information to the:

- Senior Director (IT), KMC.
- M.D. Sindh Public Procurement Regulatory Authority, Karachi with a request to place it on SPPRA website/portal
- Master File

7/

Sub: Approval Note of the Revised PC-1s for the following ADP Schemes of Finance and Accounts Department, KMC:

- ADP No. 373 "Up gradation of IT Infrastructure (Hardware) for IFMIS of F&A, KMC",
- ADP No.374 "Refurbishment of F&A Department KMC for <u>ii></u> one Window Operation",
- iii> ADP No.375 "Data Center/Front End Lab Infrastructure Up Gradation /Expansion of F&A, KMC",

It is submitted that I.T. Department KMC has sent an NIT of Finance & Accounts Department, KMC for their subject schemes (reflected I.T. KMC/SR.DIR/IT/2016/55, dated: 01-02-2016 (26360) to the SPPRA for hoisting on their website. All codal formalities were fulfilled for the tendering process. It was hoisted on KMC and SPPRA websites on 08/02/2016 with serial no 26360 as well as published in all leading

newspapers Urdu (01), English (01) Sindhi (01) dated: 03/02/2016. 02/02/2016 and 03/02/2016 Copy attached at Flag "A" for your

73

Subsequently the technical bids were opened on 19/02/2016 and financial bids of the technically qualified firm(s) were opened on 3//03/2016 by the tender purchasing committee after fulfilling the necessary codal formalities. And the technical and financial Bid

vide no KMC/8r. Dis/17/2016/227.

P.U.C. is a letter received from SPPRA, Government of Sindh placed at Flag "B". In this letter SPPRA has raised its observations and reasons/infirmities may be seen at F/B.

75

All observations are accordingly prepared and placed at F/C for kind perusal please.

36

In the light of above scenario PC-1s of three schemes have now been revised as per the requirements of SPPRA observation(s) with the deletion of some non-essential components from the old PC-1s. Details may be seen in the Revised PC-1s placed at Flag "D".

Three copies of each Revised PC-1 of the aforesaid ADP schemes are placed on board for kind perusal, signature and approval to send to the SPPRA with the replies of their observations.

IT Department, KMC

Director IT



No. A.D(A-III)/SPPRA/299(26360-KMC)/2015-16/ 9 8 13

SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

Karachi, dated the 3 | May, 2016

To.

The Senior Director.

Information Technology Department (IT),

Karachi Metropolitan Corporation,

Karachi.

Subject:

NIT NO. KMC/SR.DIRECTOR/IT/2016/55, DATED: 01.02.2016 (Sr. No.

26360).

Nariv

The undersigned is directed to refer to the Notice Inviting Tender vide your office letter ref No. KMC/Sr.Director/IT/2016/55, Dated: 01.02.2016 and Bid Evaluation Reports (BERs) furnished vide your office letter No. KMC/Sr.Director/IT/2016/227, Dated: 12.05.2016 and to inform that the bid evaluation report is not hosted on Authority's website due to following reasons / infirmities:-

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viii. The procuring agency has not furnish compliance of Rule-48, in respect of subject work as only one bidder has taken part and declared qualified.

ix. Clarification required regarding wrongly mentioned Rupees in Words (i.e. Twenty Two Million Four Hundred Eighty Six Thousand Six Hundred Thirty Two Only) for item No. 03 mentioned in comparative Statement at last page.

X. Clarification required regarding estimated cost mentioned in APP is 20.00 Million for each work and amount of lowest evaluated bid is more than 20% in Bid Evaluation Reports and comparative statement of all 03 works.

xi. If amount of procurement exceeding Rs. 10 million for Goods and Works and Rs. 2.5 million for Service shall be subject to an Integrity Part in terms of Pula 89 of SPP Rules 2010 (Amended 2013)

Rule-89 of SPP Rules, 2010 (Amended 2013)

Cont: Next Page...

Block-8, Sindh secretariat 4-1, Court Road, Karachi. Phone: 021-99205356. Fax: 021-99206291 www.pprasindh.gov.pk

76/16

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Assistant Director (Assessment)

Copy forwarded for information to:-

- ✓ The Secretary, Local Government Department, Government of Sindh, Karachi.
- ✓ Administrator, Karachi Metropolitan Corporation, Karachi.
- ✓ The Staff Officer to MD, SPPRA.

5/8

NOTE SHEET

Reference Paras Approval for the Constitution of a I rocurement Committee as per SPPRA Rules-7 for Information Technology Department, KMC for the financial year 2015-16 ". A purchase committee to be constitute as per SPPRA Rules-7 10 (Constitution of a Procurement Committee) for Information Technology Department, KMC for the financial year 2015-2016. The name of the proposed Purchase / Technical team as follows: 021 Members from the Procuring Agency: 1. Mr. Muhammad Masood Alam, E: sting Sr. Director (IT), KMC Director (17), C&A KMC Mr. Kamal Ahmed siddiqui 3. Mr. Muhammad Abdul Nasir Director (SWD), IT, KMC Director (Operation & Networks), IT. KMC 4. Mr. Khalid Fahim Khan Members from other Procuring Agency or Department: 5. Mr. Shahab uddin Sabir Director. Public Relation Deptt. M.D.A. Executive Engineer, L. D. A. 6. Mr. Agha Nafees Muhammad Nawaz Khan Director (ccounts Department), KW&SB It is stated that approval of the compet nt authority is required as per SSPRA-Rules -7 to constitute a Purchase committee as invintioned above at Para 1-3/n. Director (IT) Senior Director (IT), KMC. Alonik 05

6/



299231305

99231306

edoit@karachicity.g . .pk

URL: www.karachicity.



INFORMATION TECHNOLOGY DEPARTMENT

RACHI METROPOLITAN CORPORATION (DEFUNCT CDC K)

2nd Floor (Front Right Wing), DIVIC CENTER, GULSHAN-E-IQBAL, KARACHI

Ref No: KMC/Director /IT/ 2015 /628

Dated: 03/1/ /2015.

Notification of Complaint Redressal Committee

With the directives to Senior E rector (IT), KMC, a committee has been constituted comprising of the following officers / Professional as per SPPRA Rule-31 for "Information Technology Department, CMC" for the year 2015-2016. The same has been uploaded on SPPRA Website accordingly.

Members of Complaint Redress Comp ittee:

1. Mr. Sami uddin Siddiqui

Municipal Commissioner, KMC

2. Mr. Shafqat Akhund

Resistered Engineer with PEC

3. Representative from A.G. Sindh & achi (act below than BS-18)

Director (IT) C&A

Copy to:

- 1. Senior Director (IT), MMC
- 2. All Members
- 3. Office Copy.

INFORMATION SYSTEM" (IFMIS) پروسکت بی لا قسمی است. مالی طور تی مستحکر و معروف فرمن کا معروف فارم کی مهرید لینبز که بیل اهن

| - سندركلن د مي نامچ | 100 m | مساند | برار بر است براست | تفصيلات | 1.1 |
|--|---------------------------|-------------------------|--|---|-----|
| 19th February 2016 at 11:30 a.m. | 18th February, 2016 | 2% of Bid Amount | Rs. ,000/- (Non- stundable) | آء تــي اتـفـرااسـٽــرڪــچــر (هارووش) جي اپ گريڊيشــن بابت IFMISبراء F&A ڪي ايدر سي | 1. |
| 1981 2018 at 11:30 a.m. | 18 1911 2016 | 2% of Hist Amount | Rs. 1.1911/ (Note: 1.alundable) | ۸ ۱۵۰۰ درسارا درست است. ۱۹۱۸ داخل محدده میرود. ریارز آپشن | 2 |
| 19th February, 2016 at 11:30 a.m. | 18th February, 2016 | 2% of Pid Amount | Rs. 3,000/- (Non- efundable) | دينا سينتر/فرنت ايشد أسب انفراأسشركجر جي اب گريديشن/ F&Aكي ايسر سي جي واڌ | |

تيندر دستاريز جو مد مل سيت جي كرو بي او كيس تصريحات ع شرطن ع ضابطن تي ٻڌل آهي. ڊپٽي ڊائريڪ تر (ايف اينڊ اي) انفارميشن تيڪنالوجين دپارٽمينٽ ڪي احر سي جي آفيش واقع بين منزل فرنٽ رائٽ ونگ، سوڪ بينس مين يونيورسٽي روڊ. گلشن اقبال ، ڪراچي مان 04 فيبروري 2016 كان كنهن به كر واري لاينهن ئية ، رجي قيمت بشكل بي أردر بحق ك اير سي (ناقابل وابسر) جي عيوض حاصل ڪري سگهجي ٿن تيندر دستاويز حاصل ڪرڻ جي آخ ۽ تاريخ 18 فيمبريوي، 2016 آهي

نيندر كلڻ جي تاريخ تي ڪوئي ڏيا رحاري نہ ڪير ويندر .3

برليون كڏ برلي جي رفتر جو 2.2 ۽ ور از ضما ت ۽ انڪم تيڪس سرتيفڪيت/ جي ايس تي رحستن سنجي ثبوت سان گڏ سينيئردائريڪٽي (آءِ تي) ڪيايتر سي جي آفيس وا نهي منزل فرنست رائند وٽگ، سوڪ سينتر گلشن اقبال كراچي ۾ رکي تيندر باڪي ۾ 19 يمريوني 2016

ڏينهن 11 بج تائين لارمي طور تي راپ ڪرايا ريخن ٻوليون عوام جي سامهرن ان ئي ڏين ن (19 نيبرو ي 6) 20 تي) ڏينههن 11.30 تي اتي من ۽ خواهشمند ولي ڏيندڙ يا ان جي مجاز نمائندن جي موجودگي ۾ کوليا ويندر

ہولیون ہگ مرحلہ ہلفانی جی طریہ کان بعطابق ایس پی پی آر ای روائز 2010 (ٹیکنیکل ۽ فنانشل پرو۔ زل الگ اڳ جمع کرایا رچن۔ تمام کرٹیشن بشن ان حکومت جی ٹیک ن جی ایس ٹی ایس آر ہی ع وفاقی، صوبائی یا مذامی ٹیکس (پکلان لاگر دجن)، مجن گھرجن ع

هي تمار حكومتي قانون جي مطل منه كيا ويندا عام موكل جي اعلان ما كنهن الله دار حالتن سبب تيندر/ بوليون المشيدن كر واري دينهن أن ئي رقت هندتي وليون وينديون

پروكيور كندڙ ايد سمي كي اهر حق حاصل آهي ته اهو سنڌ عميلك پروكيورمنٽ رولز 10 2 مي لاڳاپي پررويرن سان مشروط تمام يا كينهن به ٻولي کي رد ڪري ڇڏي.

سيبئر دائري كنر (IT).



.7

PC-I

Up-gradation of I.T Infrastructure for the Integrated Financial Management Information System (IFMIS)

(REVISED)



APRIL 2016

FINANCE & ACCOUNTS DEPARTMENT KARACHI METROPOLITAN CORPORATION

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| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Director Computer Operations)

| 1. Name Of Project: Name Of Project: New IT infrastructure (Hardware) for Integrated Financial Management Information System (IfMS) of Finance & Accounts Department Karachi Metropolitan Corporation (KMC). The Project will be executed at F&A Department Head office KMC, Civic Centre Building, Karachi. **Authorities Responsible: **Sponsoring** **Execution** Operation & Maintenance **Execution** Plan Provision: (i) If the project is included in the current Five Year Plan, specify actual allocation (ii) If not included in the current plan, how is it now proposed to be accommodated (Inter/Intra-Sectorial adjustments in allocation or other resources may be indicated). (iii) If the project is proposed to be financed out of block provision program indicate. (iv) For each project a statement showing plan allocation and impact of the project being submitted for approval on the secretarial portfolio should be given. 5. Project Objectives: Project Objectives and its relationship of the Project with the objectives of the sector: Infrastructure far infrastructure far integrated Financial Management information System infrastructure for integrated Financial Management information System infrastructure for Integrated Financial Management to for Exponential of the project with the objectives of the sector: Infrastructure as well the executed at F&A Department, KMC **Finance & Accounts Department, KMC **Pinance & Accounts Department, KMC **District ADP-2015-2016 Not Applicable Not Applicabl | - | Name Of C | Nacianti. | New IT infrastructure (Hardware) for Integrated Financial | Management |
|--|-----|---------------|--|--|--|
| Metropolitan Corporation (KMC). 2. Location of the Project | 1. | Name Of F | Project: | | |
| 2. Location of the Project 3. Authorities Responsible: • Sponsoring • Execution • Operation & Maintenance xx. Time required for completion: 4. Plan Provision: (i) If the project is included in the current Five Year Plan, specify actual allocation (ii) If not included in the current Five Year Plan, specify actual allocation (iii) If not included in the current Five Year Plan, specify actual allocation or other resources may be indicated). (iii) If the project is proposed to be accommodated (Inter/Intra-Sectorial adjustments in allocation or other resources may be indicated). (iv) For each project a statement showing plan allocation and impact of the project being submitted for approval on the secretarial portfolio should be given. 5. Project Objectives and its relationship of the Project with the objectives of the sector: (iv) For each project a statement showing plan allocation and impact of the project being submitted for approval on the secretarial portfolio should be given. 5. Project Objectives and its relationship of the Project with the objectives of the sector: (iv) For each project and its relationship of the Project with the objectives of the sector: (iv) For each project a statement showing plan allocation and impact of the project being submitted for approval on the secretarial portfolio should be given. 5. Project Objectives: Project Objectives and its relationship of the Project with the objectives of the sector: (iffMIS) of Finance Accounts Department, KMC. The computerized Financial Management System of KMC was developed about two decades ago in 1992 Since the changes are also to be implemented in the Financial Management System, the matter is now to be thoroughly reviewed keeping in view the requisites of each computer application functioning under the financial management system to cope up with the requirements of all the users satisfactorily. The massive task | | | | | |
| Centre Building, Karachi. Authorities Responsible: | 2. | Location o | of the Project | | ce KMC, Civic |
| Sponsoring Execution Operation & Maintenance XX. Time required for completion: 4. Plan Provision: (i) If the project is included in the current Five Year Plan, specify actual allocation (ii) If not included in the current plan, how is it now proposed to be accommodated (Inter/Intra-Sectorial adjustments in allocation or other resources may be indicated). (iii) If the project is proposed to be financed out of block provision program indicate. (iv) For each project a statement showing plan allocation and impact of the project being submitted for approval on the secretarial portfolio should be given. 5. Project Objectives: Project Objectives and its relationship of the Project with the objectives of the sector: Project Objectives and its relationship of the Project with the objectives of the sector: Project Objectives and its infrastructure for integrated Financial Management, KMC. The domputerized Financial Management System of KMC has been taken up for Re-Engineering to meet the present day requirements. The prevalent computerized Financial Management System of KMC has been taken up for Re-Engineering to meet the present day requirements. The prevalent computerized Financial Management System of KMC has been taken up for Re-Engineering to meet the present day requirements. The prevalent computerized Financial Management System of KMC was developed about two decades ago in 1992 Since the changes are also to be implemented in the Financial Management System of KMC was developed about two decades ago in 1992 Since the changes are also to be implemented in the Financial Management System of KMC was developed about two decades ago in 1992 Since the changes are also to be implemented in the Financial Management System to explication functioning under the financial management system to explication functioning under the financial management system to computer application functioning under the financial management system to computer application functioning under the financial management system to computer applic | - | | | | |
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application software has been assessed and found to have entered in the era of old legacy. The support and inventory issues are emerging giving warnings of end of life of equipment and system software upgradation. Immediate procurement of new enhanced technology and solution would be needed providing adequate improvement before the collapse of entire setup. System management and network management tools, advanced network smart devices and equipment for security of the different applications presently running for the redundancy of work, user authentication processes, backup solutions and access control of the users would have to be addressed as has been planned by other organizations to replace and revamp the set up gradually by investing and securing their assets.

With the establishment of New IT infrastructure which will provide backbone central computerized advance IT infrastructure, Robust, most demanding and promising plate-form according to the Enterprise present and future requirement by developing latest state of the art technology, New generation of high end Server's machines, fast and ultra high speed Giga networking, efficient and smart equipment/devices and related peripherals.

Implementation and deployment of I.P Network Technology protocols and switches has become very essential to add on, up gradation of the existing Datacenter setup by creating absolutely a new I.T advance technology infrastructure has become crucial and will support multiple projects linked.

Seamless transfer/migration from the legacy IT technology and devices to the fast and reliable machines, advanced network and data security, secure backup procedures and storage with fast retrieval & enhanced techniques. New application, database and system software needs upgraded hardware and networking. Virtualization of servers, cloud computing will simplify the computerization. IT technology is drastically changing very fast throughout the Globe according to the latest concepts and R&D in the recent past. Existing IT Servers machines and networks have become obsolete and have gone behind the End of life by the passage of time.

Data Storage & Archiving of major applications end projects through integration of latest state of the art technology along with Local Area Networks (LAN), Wide Area Network (WAN) and Wireless will provide the work continuity towards betterment.

Description and Justification of Project:

- Provide Hardware specification
- Attach Networking / LAN diagram
- Software requirements
- Available service (DSL, wireless)

The proposed projects aims to provide high speed centralized data resource and IT hub for the improved performance and prompt address to the emerging task of IFMIS.

Computer Operations, F&A Department will be able to deploy their technical assistance and expertise effectively to resolve the technical issues and given solution at every stage.

The project aims to establish and strengthen the fool-proof transactions; transparency to the records, Oracle based Application System and database which will be completely Computerized IFMIS will provide fast access to each & every transaction whether it is old or new.

In this context Computer Operation's, F&A department had given the task to undertake an initial study of IFMIS, F&A, KMC in 2013. The same

6.

study is required to be modified /enhanced further, for the integrated Financial Management Information System (IFMIS) of Finance & Accounts, KMC. Since then this project could not be started due to budgetary reasons. Currently it has been prepared with some changes / enhancements

Proposed facilities:

Organizational:

Establishment of a compressive I.T enabled computing center to cater the current and future high performance computing need of integrated Financial Management Information at K.MC.

Physical:

- A suitable physical place for all IT related daily work of K.M.C.
- Appropriate networking cabling at all work places/areas

Plate form:

Windows/Linux Operating System with Virtualization

Computer Software:

- Utilization of Operating System on the installed (Windows, Linux, VMware suite, Open source)
- Utilization of Application Software on the installed hardware (Oracle Database/Application, Dot net & others software platforms for FIMS).
- Utilization of other misc, software Utilities on the installed hardware

Computer Hardware:

- High end & Backup Xeon Servers Intel based Technology
- · Giga bit SAN switches with Fiber Channel interfaces
- · SAN & NAS Storage unit
- · Electrical Power Backup Equipments (UPS, Stabilizers)
- · Other Devices (Network Switches, etc.)
- Hardware Accessories, Wires and Cabling.

Networking:

- A combination of Local Area Network (LAN) and Wide Area Network (WAN) connectivity architecture.
- Data replication between servers would be possible by making use of the Comprehensive network architecture.
- Management on remote side can be done utilizing SNMP (Simple Network Management Protocol).
- · Implementation of latest IP based Technology.

Services;

- System Operations
- User Support
- User Training

Human resource

Director Computer (Operations)

Pinance & Planning CDGK

Project supervisor - Will provided by I.T department, F&A, K.M.C System Operator -- Will be provided by I.T department F&A, K.M.C. 7. Local: Rs. 20.00 Million Capital Cost of estimates: FEC: NIL Total: Rs. 20.00 Million **APRIL, 2016** Indicate date of estimation of Project cost Given details of available resources, required IT hardware and software Basis of the cost infrastructure, assessment of required capabilities of the system, estimates facilities and consultancy services, training programs including justification and rate analysis of various vendors /equipments, various meeting and other market rate studies is the basis of preliminary cost estimates of the project. Year wise /component wise Year-wise/component-wise physical Activities physical activities Units Year-II Year-III S # Items Year-I Up-gradation of 14.5m 5.5m (per I.T (Hardware) unit Rs. Infrastructure for (IFMIS) millions F & A, DEPT., KMC Year wise /component wise Phasing of capital cost be worked out of the basis of each item of work as financial phasing stated above and provide as per following: Year-Wise/component-wise financial phasing Year-1 Year-2 Year-3 Total Item Local Total Local FEC Local Total Local Total Capital Revenue 14.5m 5.5m Total 14.5m 5.5m In case of revised project provide: History of project approval, ****** year-wise PSDP allocation, releases & expenditure. Item-wise, year-wise actual N/A expenditure and physical progress. Justification for revision of N/A PC-1 and variation in scope of project if applicable. Item-wise comparison of N/A

revised cost with the approved cost and give

reasons for variation.

Director Computer (Operations)

Finance & Planning

CDGIN

| 8. Annual operating and maintenance cost after completion of the project. 9. Demand and Supply analysis • Existing capacity of services and its supply/demand • Project demand for 10 years. • Designed capacity and output of the proposed project. • Designed capacity and output of the proposed project. • Designed capacity and output of the proposed project. • Designed capacity and output of the proposed project. • Project demand for 10 years. High performance servers, High end SAN storage unit and allied networking system will cate the future demand of FIMS system with optimum performance, reliability and manageability. • Designed capacity and output of the proposed project. • Product demand for 10 years High performance servers, High end SAN storage unit and allied networking system will cate the future demand of FIMS system with optimum performance, reliability and manageability. • Designed capacity and output of the proposed hardware and software is capable to provide maximum output due to utilization of latest and most advantageous hardware components of the LT system. Moreover, future expansion in the proposed hardware is also possible to accommodate growth off data, connectivity and computing power by upgrading individual components of the LT system. Moreover, future expansion in the proposed hardware is also possible to accommodate growth off data, connectivity and computing power by upgrading individual components of the LT system. Moreover, future expansion in the proposed hardware is also possible to accommodate growth off data, connectivity and computing power by upgrading individual components of the LT system. Moreover, future expansion in the proposed hardware is also possible to accommodate growth off data, connectivity and computing power by upgrading individual components of the LT system. Moreover, future expansion in the proposed hardware and software is capable to provide maximum output due to utilization of latest and most advantageous hardware and software is also possible to accom | | Exchange rate used to work out FEC in the original & revised PC-1 | N/A | |
|--|-----|---|--|---------------------|
| Existing capacity of services and its supply/demand Project demand for 10 years. Project demand for 10 years. Project demand for 10 years. Designed capacity and output of the proposed project. Designed capacity and output of the proposed project. Prinancial Plan: Sources of financing Equity Indicate the amount of equity to be financed from each source. Sponsors own resource. Provincial Govt. | 8. | maintenance cost after | The state of the s | anty |
| Moreover, Standards hardware warranty of existing hardware pre finished therefore the need of new hardware with 3 years warfanty is proposed in the new PC-1 The new hardware and applications will sustain the workload of FIMS system for next 10 years. High performance servers, High end SAN storage unit and allied networking system will cater the future demand of FIMS system with optimum performance, reliability and manageability. The proposed hardware and software is capable to provide maximum output due to utilization of latest and most advantageous hardware components of the LT system. Moreover, future expansion in the proposed hardware is also possible to accommodate growth of data, connectivity and computing power by upgrading individual components 10. Financial Plan: Sources of financing (a) Equity Indicate the amount of equity to be financed from each source. • Sponsors own resource. • Federal Govt. • Provincial Govt. • Nil | 9. | Demand and Supply analysis | | the new |
| system for next 10 years. High performance servers, High end SAN storage unit and allied networking system will cater the future demand of FIMS system with optimum performance, reliability and manageability. • Designed capacity and output of the proposed project. • Designed capacity and output of the proposed project. • Designed capacity and output due to utilization of latest and most advantageous hardware components of the LT system. Moreover, future expansion in the proposed hardware is also possible to accommodate growth of data, connectivity and computing power by upgrading individual components 10. Financial Plan: Sources of financing (a) Equity Indicate the amount of equity to be financed from each source. • Sponsors own resource. • Sponsors own resource. • Sponsors own resource. • Provincial Govt. • DFI's/Banks • General public • Foreign Equity • Nil Nil Nil Nil Nil Nil Nil Nil | | services and its | Moreover, Standards hardware warranty of existing hardware sinished therefore the need of new hardware with 3 years warr | are |
| Designed capacity and output of the proposed project. The proposed hardware and software is capable to provide maximum output due to utilization of latest and most advantageous hardware components of the LT system. Moreover, future expansion in the proposed hardware is also possible to accommodate growth of data, connectivity and computing power by upgrading individual components Pinancial Plan: Sources of financing (a) Equity Indicate the amount of equity to be financed from each source. Federal Govt. Provincial Govt. DFI's/Banks General public Foreign Equity Nil | | | system for next 10 years .High performance servers, High end S storage unit and allied networking system will cater the future of FIMS system with optimum performance, reliability and | AN |
| (a) Equity Indicate the amount of equity to be financed from each source. Sponsors own resource. Federal Govt. Provincial Govt. DFI's/Banks General public Foreign Equity Nil | | output of the proposed | The proposed hardware and software is capable to provide may output due to utilization of latest and most advantageous hard components of the I.T system. Moreover, future expansion in to proposed hardware is also possible to accommodate growth of | ware ne data, |
| Indicate the amount of equity to be financed from each source. Sponsors own resource. Federal Govt. Provincial Govt. DFI's/Banks General public Foreign Equity NGO's/Beneficiaries Others (b)Debt Indicate the local & foreign debt, interest rate, grace period and repayment period for each local separately. The load repayment schedule be also annexed. (c)Grant along with sources Nil Nil Nil Nil Nil Nil Nil Nil Nil Ni | 10. | | | |
| (c)Grant along with sources Not Applicable | | Indicate the amount of equity to be financed from each source. Sponsors own resource. Federal Govt. Provincial Govt. DFI's/Banks General public Foreign Equity NGO's/Beneficiaries Others (b)Debt Indicate the local & foreign debt, interest rate, grace period and repayment period for each local separately. The load repayment schedule be | Nil Nil Nil Nil Nil | |
| (d)Weighted cost of Capital Nil | | | Not Applicable | |
| | | (d)Weighted cost of Capital | Nil | |

Director computer (Operations)

Director computer (Operations)

Director computer (Operations)

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|----------------------|---|---|
| 11. | Benefits of the project and analysis Financial: Income to the project alongside assumptions | The project will support the idea of E-Government which is an initiative of Federal Cabinet's Approved National IT Policy & Action Plan. Each proposed component will help to improve working efficiency of the Finance department and also improve accessing of financial related information between departments of K.M.C. The new system will bring greater transparency in Government-Citizen interactions and projects, procedures and enhancement in daily working. The other benefits include number of advantages for the interdepartmental Data Communication and Computerized ready information records and quick reports for the overall review. Creation of a High performance computerized environment for the FIMS system of K.M.C. |
| | Economic: Benefits to the economy along with the assumption. | |
| | Social benefits with indicators | Cost savings through the identification of primary cost-drivers at organization/department and all other levels and the monitoring of mechanisms introduced to lower costs. |
| | Environmental: Environmental impact assessment negative /positive | N/A |
| 12. | (a) Implementation Schedule Indicate starting and completion date of the project. Item-wise/Year-wise implementation schedule in line chart correlated with the phasing of physical activities. | The project is expected to be initiated in June, 2016 and completed before June, 2017. |
| | (b)Result base Monitoring (RBM) indicators. | The project strategy is to implement the Land Archiving Project for IFIMS over a defined period. Configuration functionality will develop alongside the project roll out plans and will identify deliverable documentation (baselines) in parallel with the progress of the project. A Project Management Committee (PMC) for the project comprising of the representatives of KMC I.T and other departments outside K.M.C shall be constituted, who will responsible for the whole project implementation and monitoring till its completion. The PMC may shortlist and pre-qualify consultants & vendors, which will undertake |

Director to Planning Colish

| | | the project or may decide for open bidding. Formal agreements will be signed with individual consultant/consultancy firm and vendors. The agreement would specify the terms of reference of the project, responsibilities of the two parties and ways and means of operation. PMC will submit regular monthly progress reports to concerned departments for monitoring of the project. |
|-----|--|--|
| 13. | Management Structure and Manpower Requirements Administrative arrangements for implementation of project The manpower requirements by skills during execution and operation of the project | The project shall be executed through expertise of existing professionals and staff of the Computer Operations, F&A Department of KMC. IT Department, KMC employees / personnel and various numbers of skilled and technical personnel hired on contract basis or through project consultancy will be engaged in the execution of the project and KMC finance department employees will be trained by the training component provided in the project Skilled Technical Computer Personnel (Permanent & Contract Employees) of Finance Department, KMC will be engaged in operating and maintaining I.T |
| | Professional & Technical During Execution Period | The KMC finance department will create a special cell for the implementation of this project. Contract staff will be engaged from the existing work force of KMC for this cell. |
| | During Operation / (Maintenance) Period | Personnel of respective departments of KMC will be engaged in running data processing activities while operational and development work will be monitored KMC finance department with the help of contract employees. However there will be a maintenance and consultancy contract for operation & maintenance of the system from the bidding-firm/open-market. |
| | 2. Project Staff Project Manager System Support Staff HRM Staff Quality Maintenance Staff Developers/Operators Administrative, Executive & Managerial | Personnel of respective department of KMC will be engaged for the help of Project consultants/staff for smooth operation while operational and development work will be monitored by KMC finance department with the help of existing contract employees. However will be a maintenance & consultancy contract for operation & maintenance of the system from the bidding firm(s)/open market. |

Director Computer Operations

Director Computer Operations

Director Computer Operations

| | Data Entry Operators Others | |
|-----|--|--|
| 14. | Additional projects/decisions required to maximize economic benefits from the proposed project | The projects improve the performance of the official day to day working with the latest innovations of the I.T technology by replacing the aging equipments and peripherals for a high performance I.T hardware and software components. |

Director Computer (Defetions)

15. It is certified that PC-I has been prepared as per guide lines issued by the planning commission for preparation of PC-I infrastructure project.

It is stated that the above works were not carried out from any other development heads.

| Prepared By: | (MOHAMMED ASHRAF) DIRECTOR COMPUTER OPERATIONS FINANCE & ACCOUNTS DEPARTMENT, KMC |
|-----------------|---|
| Checked & | (REHAN KHAN) |
| Recommended By: | FINANCIAL ADVISOR FINANCE & ACCOUNTS DEPARTMENT, KMC |
| Approved By: | SAMIUDDIN SIDDIQUI METROPOLITAN COMMISSIONER KARACHI METROPOLITAN CORPORATION (LAEEQ AHMED) ADMINISTRATOR, KMC |
| | KARACHI METROPOLITAN CORPORATION |

Reasons for the Revision in PC-1:

This old (presently approved) PC-1 was made in April 2013 for KMC Finance department to support IFMIS system. The old PC-1 was not meeting the budgetary limit of 20 million therefore it was not possible to precede the project due to this limitation. It is decided to remove some items and component in the revised PC-1 without losing core functionality of the project to cope up the requirements KMC Finance department. It is expected that this new project will provide the I.T. services system to support IFIMS system of KMC Finance department. Some of the changes in old and revised PC-1 are also highlighted as below:

- PC-1 was prepared about four years ago by the departmental experts on the basis of technology available that time, estimated cost and expected quantity to be used in project.
- Given technical specifications in PC-1 have been modified due to the change in technology and rapid improvements in Information Technology.
- 3. Increase in government taxes e.t.c.
- As items would be imported from abroad therefore increase in foreign currency rate since 2013 was affecting the cost of quoted item price.

Since with the new scenario there is not much room available for the modification/alteration in the original PC-1, further more amendments in the technical specifications makes no effect in the performance of project with limited cost, therefore the PC-1 has now been revised. Analysis is being made to improvise the project for provision of support accordingly in the current scenario.

Director Computer (Operations Finance & Planning CDG):

| S. No. | Description | Estimated Cos |
|--------|--|---------------|
| 1. | Cost of Computer Hardware & Peripherals (Annexure-II) | 19,899,00 |
| 2. | Cost of Computer Network & Accessories (Annexure-III) (Networking separate PC-1) | -nil- |
| 3. | Cost of Computer Software (Software separate PC-1) (Annexure-IV) | -nil- |
| 4. | Miscellaneous & Contingencies | 100,00 |

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COST OF IMPLEMENTATION UP-GRADATION OF I.T INFRASTRUCTURE FOR THE INTEGRATED FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)

OLD

| S# | Description | Qty |
|----|--|-----|
| 1 | OEM 42 U Rack with Cables Rails, Cable routing & Power Management along with following accessories: 1U Rack mounted 16 Ports OEM Digital KVM (IP) Switch with USB-VGA Adapters and 16 Ports Digital KVM (IP) Switch. | 1 |
| 2 | 4 way Database / Vmware Servers with 4 Xeon processors installed , 128 GB RAM, upto 8 Gigabit Network Ports and one Fiber Channel Controller 8Gb/s card with required Fiber cabling alongwith VMWare vsphere 5.0 enterprise, Center Std and Redhat Ent. license | 2 |
| 3 | 2 U Rack Mounted Servers -DB DR Servers with 2 Xeon processors installed , 96 GB RAM, 4 x1 Gigabit Network Ports, 1 x Fiber Channel Controller 8Gb/s (Dual Port) with required FC cabling and Windows 2008 Standard Version with 25 x Client Access License | 2 |
| 4 | 2 U Rack Mounted Servers -Application Servers with 2 Xeon processors, 64 GB RAM, 4 x1 Gigabit Network Ports, 1 x Fiber Channel Controller 8Gb/s (Dual Port) with required FC cabling and Windows 2012 Standard Version with 25 x Client Access License | |
| 5 | Unified Disk Storage System (SAN) with Active-Active controllers with following connectivity options: 8 Gbps Fiber Channel ,10 Gbit/s FCoE, ISCSI and Ethernet, 6Gbps SAS connectivity. Raw space upto 16 TB SAS and 1.4 TB SSD.Advance capabilities of replication and Disaster and recovery to protect the Data. | |
| 6 | Fiber Channel Switches with latest fabric architecture and 8Gbps bandwidth port capacity, redundant power supply and support of latest connectivity protocols | 2 |
| 7 | Upto 16 TB Data Protection Hardware Appliance supporting scalability / disaster resilience for the Data Protection over IP based network with Encryption and flexible administration capability. | 1 |
| 8 | LTO-5 Tape Library supporting up to 8 slots and one LTO drive with 8Gbps Fiber channel connectivity | 1 |
| 9 | Way Rack Mounted Servers - Scanner Application Servers with 64GM RAM, 600 GB Raw space of Hard disk, 4 x Gigabit Network ports, fiber channel connectivity. | 2 |
| 10 | Dual Processor High end Workstation for Scanners with following configuration: single processor, 128 GB RAM, High end graphic card, 600GB Raw disk space and windows 7 license. | |
| 11 | High end Scanner (Flat Bed + ADF) supporting 600 DPI (Output Resolution: 50 to 600dpi (adjustable by 1dpi increments), 1200 dpi. | 2 |
| 12 | High end Scanner ADF (Duplex Automatic Document Feeder) with 600 DPI (Output Resolution: 50 to 600dpi (adjustable by 1dpi increments), 1200 dpi resolution | 2 |

Director Computer (Operation of Chile Finance & Planning Chile

13 Enterprise Backup Solution with 4 x Oracle on Linux ,4 x Windows 2008 Agent, 2 x Virtualization Backup Agents

TOTAL ESTIMATED COST 20.00 MILLION

multiple appropriate to the second se

Director Computer (Operations)

REVISED

| S# | Description | Qty | Price (Rs.) | Total Cost (Rs.) |
|----|--|-----|-------------|---------------------|
| 1 | OEM 42 U Rack with Cables Rails, Cable routing & Power Management along with following accessories: 1U Rack mounted 16 Ports OEM Digital KVM (IP) Switch with USB-VGA Adapters and 16 Ports Digital KVM (IP) Switch. | 1 | 640,000 | 640,000 |
| 2 | 4 way Database / Vmware Servers with 4 Xeon processors installed, 256 GB RAM, upto 8 Gigabit Network Ports and one Fiber Channel Controller 8Gb/s card with required Fiber cabling alongwith VMWare vsphere 6.0 enterprise, Center Std and Redhat Ent. license | 2 | 4,100,000 | 8,200,000 |
| 3 | 2 U Rack Mounted Servers -DB DR Servers with 2 Xeon processors installed , 128 GB RAM, 4 x1 Gigabit Network Ports, 1 x Fiber Channel Controller 8Gb/s (Dual Port) with required FC cabling and Windows 2012 Standard Version 11with 25 x Client Access Licecnes | 2 | 990,000 | 1,980,000 |
| 4 | 2 U Rack Mounted Servers -Application Servers with 2 Xeon processors, 64 GB RAM, 4 x1 Gigabit Network Ports, 1 x Fiber Channel Controller 8Gb/s (Dual Port) with required FC cabling and Windows 2012 Standard Version with 25 x Client Access License | 1 | 910,990 | 910,990 |
| 5 | Unified Disk Storage System (SAN) with Active-Active controllers with following connectivity options: 16 Gbps Fiber Channel , 10 Gbit/s FCoE, iSCSI and Ethernet, 6Gbps SAS connectivity. Raw space upto 21 GBps SAS and 2.4 TB SSD.Advance capabilities of replication and Disaster and recovery to protect the Data. | 1 | 3,520,000 | 3,520,000 |
| 6 | Fibre Channel Switches with latest fabric architecture and 16Gbps bandwidth port capacity, redundant power supply and support of latest connectivity protocols | 1 | 2.273,000 | 2,273,000 |
| 7 | LTO-6 Tape Library supporting up to 8 slots and one LTO drive with 8Gbps Fiber channel connectivity | 1 | 856,000 | 856,000 |
| 8 | High end Scanner ADF (Duplex Automatic Document Feeder) with 600 DPI (Output Resolution: 50 to 600dpi (adjustable by 1dpi increments), 1200 dpi resolution | 1 | 400,000 | 400,000 |
| 9 | Enterprise Backup Solution with 4 x Oracle on Linux ,4 x Windows 2008 Agent, 2 x Virtualization Backup Agents | 1 | 1.200,000 | 1,200,000 |
| | Grand Total | | | 19979990 |

Director Computer Operations

Director Computer Operations

16

245

SUMMARY OF TOTAL EXPENDITURE

| S.NO | Description | Rs. (IN MILLION) | |
|------|----------------------------------|------------------|--|
| 1 | Rack unit | 640,000 | |
| 2 | Servers | 11,090,990 | |
| 3 | Storage Area network (SAN) unit | 3,520,000 | |
| 4 | SAN Switches unit | 2,273,000 | |
| 5 | Tape Library backup unit | 856,000 | |
| 6 | High End scanners | 400,000 | |
| 7 | System backup Softwares | 1,200,000 | |
| | TOTAL EXPENDITURE (RS) | 19,979,990 | |

| S# | Description | Qty | Price (Rs.) | Total Cost (Rs.) | |
|----|---|-----|----------------|---------------------|---------|
| 1 | OEM 42 U Rack with Cables Rails, Cable routing & Power Management along with following accessories: 1U Rack mounted 16 Ports OEM Digital KVM (IP) Switch with USB-VGA Adapters and 16 Ports Digital KVM (IP) Switch. | 1 | 640,000 | 640,000 | REVENUE |
| 2 | 4 way Database / Vmware Servers with 4 Xeon processors installed , 256 GB RAM, upto 8 Gigabit Network Ports and one Fiber Channel Controller 8Gb/s card with required Fiber cabling along with VMWare vsphere 6.0 enterprise, Center Std and Redhat Ent. license | 2 | 4,100,000 | 8,200,000 | REVENUE |
| 3 | 2 U Rack Mounted Servers -DB DR Servers with 2 Xeon processors installed , 128 GB RAM, 4 x1 Glgabit Network Ports, 1 x Fiber Channel Controller 8Gb/s (Dual Port) with required FC cabling and Windows 2012 Standard Version | 2 | 990,000 | 1,980,000 | REVENUE |
| 4 | 2 U Rack Mounted Servers -Application Servers with 2 Xeon processors, 64 GB RAM, 4 x1 Gigabit Network Ports, 1 x Fiber Channel Controller 86b/s (Dual Port) with required FC cabling and Windows 2012 Standard Version with 25 x Client Access License | 1 | 910,990 | 910,990 | REVENUE |
| 5 | Unified Disk Storage System (SAN) with Active-Active controllers with following connectivity options: 18 Gbps Fiber Channel , 10 Gbit/s FCoE, iSCSI and Ethernet, 6Gbps SAS connectivity. Raw space upto 21 GB/ps SAS and 2.4 TB SSD.Advance capabilities of replication and Disaster and recovery to protect the Data. | 1 | 3,520,000 | 3,520,000 | REVENUE |
| 6 | Fiber Channel Switches with latest fabric architecture and 16Gbps bandwidth port capacity, redundant power supply and support of latest connectivity protocols | 1 | 2,273,000 | 2.273,000 | REVENUE |
| 7 | LTO-6 Tape Library supporting up to 8 slots and one LTO drive with 8Gbps Fiber channel connectivity | 1 | 856,000 | 856,000 | REVENUE |
| 8 | High end Scanner ADF (Duplex Automatic Document Feeder) with 600 DPI (Output Resolution: 50 to 600dpi (adjustable by 1dpi increments), 1200 dpi resolution | 1 | 400,000 | 400,000 | REVENUE |
| 9 | Enterprise Backup Solution with 4 x Oracle on Linux .4 x Windows 2008 Agent, 2 x Virtualization Backup Agents | 1 | 1,200,000 | 1,200,000 | REVENUE |

Circulations & Framming Courses

| | Rs (In Millions) |
|-----------------|------------------|
| Cost of Capital | Nil |
| Cost of Revenue | 19,979,990 |
| Grand Total | 19,979,990 |

Director Computer Operations

2

PC-I

Datacenter Infrastructure & Front end computer Labs
Upgrade /Expansion for the Integrated Financial Management
Information System (IFMIS)

REVISED



APRIL 2016

FINANCE & ACCOUNTS DEPARTMENT
KARACHI METROPOLITAN CORPORATION

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| a) | Annexure-I Summary of Total (Capital & Revenue) Expenditure (Estimated) | 12 |
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| | | |
| | | |

Director Computer (Operations)

PROJECT DIGEST

| | Directuring & | 3 |
|-----|--|--|
| | Just Such Comp | which was imminently required in order to launch the system without any interruption. Operation is high time that the Datacenter Infrastructure be added specially when the Integrated Financial management latest computer. |
| | the objectives of the sector: | shifted to the Civic Center on the $6^{\rm th}$ floor strait away without delay . The computer center was accordingly constructed instantaneously for shifting and re-installing the computer hardware with the infrastructure |
| | Project objectives and its relationship of the Project with | functioning in the Computer center of Finance Department at KMC building at M. A. Jinnah Road , after Devolution , from where it was |
| 5. | should be given. Project Objectives: | The Computerized Financial Management System was |
| | impact of the project being submitted for approval on the sectorial portfolio | |
| | indicate. (iv) For each project a statement showing plan allocation and | |
| | proposed to be financed out of block provision program | Not Applicable |
| | be accommodated (Inter/Intra-Sectorial adjustments in allocation or other resources may be indicated). (iii) If the project is | Not Applicable |
| | (ii) If not included in the current plan, how is it now proposed to | District Adv- 2013-2010 |
| | (i) If the project is included in the current Five Year Plan, specify actual allocation | Not Included. District ADP- 2015-2016 |
| 4. | Plan Provision: | |
| XX. | Time required for completion: | 24 Months from the date of release of funds. |
| 5, | Sponsoring Execution Operation & Maintenance | Karachi Metropolitan Corporation. Finance & Accounts Department, KMC Finance & Accounts Department, KMC |
| 3. | Location of the Project Authorities Responsible: | The Project will be executed at F&A Department Head office KMC, Civic Centre Building, Karachi. |
| 1. | Name Of Project: | Datacenter infrastructure & Front end Labs Upgrade / Expansion for Integrated Financial Management Information System (IFMIS) of Finance & Accounts Department Karachi Metropolitan Corporation (KMC). |

technologies for which the Datacenter infrastructure is to be improvised up to mandatory required tier standard.

It involves civil and architectural work, electrical power distribution work, uninterrupted backup power supply work, Precision and comfort AC system, Access control system, Fire Detection & suppression system, Data cable management system, CCTV system, Humidity & environment control system.

Simultaneously it would also cover the up-gradation and expansion of Finance & Accounts Department premises for integration through Network. The annexed details would reveal necessary plan of work and scope.

- Description and Justification of 6. Project:
 - Provide Hardware specification
 - Attach Networking / LAN diagram
 - Software requirements
 - Available service (DSL, wireless)

The proposed project involves establishment of New IT infrastructure for Integrated Financial Management Information System (IFMIS) of Finance & Accounts Department KMC.

The computerized Financial Management System of KMC has been taken up for Re-Engineering to meet the present day requirements. The prevalent computerized Financial Management System of KMC was developed about two decades ago in 1992. Since the changes are also to be implemented in the Financial Management System, the matter is now to be thoroughly reviewed keeping in view the requisites of each computer application functioning under the financial management system to cope up with the requirements of all the users satisfactorily. The massive task to develop the IFMIS in line with the latest technologies is to be performed by the renowned and experienced software developers by acquiring external consultancy services.

The proposed projects aims to provide a state of the art data center resource and IT hub for the improved performance and prompt address to the emerging task of IFMIS.

Computer Operations, F&A Department will be able to deploy their technical assistance and expertise effectively to resolve the technical issues and given solution at every stage.

The project aims to establish and strengthen the fool-proof transactions; transparency to the records, Oracle based Application System and database which will be completely automated. Computerized IFMIS will provide fast access to each & every transaction whether it is old or new.

In this context Computer Operation's, F&A department had given the task to undertake an initial study of IFMIS, F&A, KMC in 2013. The same study is required to be modified /enhanced further, for the Integrated Financial Management Information System (IFMIS) of Finance & Accounts, KMC. Since then this project could not be started due to budgetary reasons. Currently it has been prepared with some minor changes / enhancements .

- The access control.
- CCTV,
- Fire detection /suppression,
- Environment monitoring

Director Computer Operations not of Oliver?

- > Cooling
- > rodent control etc.

physical security of 1.T datacenter has to be deploy for protection.

New strategy for Power conditioning, intruder security is also required to improve IT environment.

Proposed facilities:

Organizational:

Physical:

- Working IT environment for IFMIS users with Furniture and fixtures.
- Appropriate Power Supply with Back up (UPS) at places/areas.
- · Appropriate networking cabling at all work places/areas

Cooling system:

 Intelligent Data center cooling and temperature monitoring system locally and remotely.

Physical security control:

- IP CCTV system to monitor un-authorized access in the data center.
- Door and Access control to physical manage access in the data center.

Fire detection and suppression system:

Fire detection and management in the data center in case of disaster

UPS and Power System;

- Power management and control of the data center equipments
- Monitoring of power from remotely and locally to avoid any disaster.

Capital Cost of the Project:

7.

- Indicate date of estimation of Project cost
- Basis of the cost estimates

Local: Rs. 20.00 Million

FEC: NIL

Total: Rs. 20.00 Million

APRIL, 2016

Given details of available resources, required IT hardware and software infrastructure, assessment of required capabilities of the system, facilities and consultancy services, training program including justification and rate analysis of various vendors /equipments, various meeting and other market rate studies is the basis of preliminary cost estimates of the project.

Year wise /component wise physical activities

Director Computer Operations

Director Computer Operations

Director Computer Operations

| | | Year-w | ise/compo | nent-w | ise phys | sical Act | ivities | | | |
|----|--|--------------------|---|---|------------|-----------|--------------|----------|----------|---------|
| | Year wise /component wise financial phasing | O1 Phasing o | Datacenter Infrastructure Front end computer Lat Upgrade /Expansion fo the Integrate Financial Managemen Information System (IFMI) f capital co ove and pro | or In mill or I is still be well as the w | r t Rs. | | Year 5.5m | | ear-III | vork as |
| | | | Year-1 | Nise/co | mponer | nt-wise | financia | l phasin | 0 | |
| | | Item | Yea | the same of the same of the same of | | ar-2 | - | r-3 | Tot | al |
| | | | Local | Total | Local | Total | Local | Total | Local | FEC |
| | | Capital Revenue | e 14.5m | | 5.5m | | | | | |
| | | Total | 14.5m | | 5.5m | | | | 20m | |
| | History of project approval, year-wise PSDP allocation, releases & expenditure. Item-wise, year-wise actual expenditure and physical progress. Justification for revision of PC-1 and variation in scope of project if applicable. Item-wise comparison of revised cost with the approved cost and give reasons for variation. Exchange rate used to work out FEC in the original & revised PC-1 | N/A N/A N/A | | | | | | | | |
| 8. | Annual operating and maintenance cost after completion of the project. | 1 | Local : Rs. warranty p | | n - To | be paid | by K.M. | C after | expiry o | f |
| 9. | Demand and Supply analysis | | .T data cen e and softw | | | | ed to acc | ommo | date the | new |
| | Existing capacity of services and its | Moreove | I.T hardwa er, Standard therefore t | ls hardv | vare wa | rranty o | f existing | g hardw | are are | |

Director Computer (Operations)

Director Computer (Operations)

| | supply/demand | proposed in the new PC-1 | - |
|-----|---|---|-------------------------------|
| | supply/demand | proposed in the new re-1 | |
| | Project demand for 10 years. | The new hardware and applications will sustain the workload of a system for next 10 years. High performance servers, High end \$A storage unit and allied networking system will cater the future do of FIMS system with optimum performance, reliability and manageability. | N emand |
| | Designed capacity and output of the proposed project. | The proposed hardware and software is capable to provide making output due to utilization of latest and most advantageous hardware components of the I.T system. Moreover, future expansion in the proposed hardware is also possible to accommodate growth of disconnectivity and computing power by upgrading individual comp | are : ata, |
| 10. | Financial Plan: Sources of financing | Karachi Metropolitan Corporation (KMC). (ADP-2016-17) | |
| | (a) Equity Indicate the amount of equity to be financed from each source. | | |
| | Sponsors own resource. | Nil Nil | |
| | Federal Govt. Provincial Govt. | Nil | |
| | DFI's/Banks | Nil | |
| | General public | Nil Nil | |
| | Foreign Equity NGO's/Beneficiaries | Nil | |
| | Others | Nil | |
| | 4. | | |
| | (b)Debt Indicate the local & foreign | | |
| | debt, interest rate, grace | Nil | |
| | period and repayment period | * | |
| | for each local separately. The | | |
| | load repayment schedule be also annexed. | | |
| | | Not Applicable | |
| | (c)Grant along with sources | Not Applicable | |
| | (d)Weighted cost of Capital | Nil | |
| 11. | Benefits of the project and | | |
| | analysis Financial: | The project will support the idea of E-Government which initiative of Federal Cabinet's Approved National IT Polic | |
| | Income to the project alongside assumptions | Action Plan. Each proposed component will help to impr working efficiency of the Finance department and also in accessing of financial related information between departments of K.M.C. The new system will bring greater transparency in Government-Citizen interactions and proposedures and enhancement in daily working. | ove nprove r ojects, |
| | , | The other benefits include number of advantages for the departmental Data Communication and Computerized re- information records and quick reports for the overall rev | eady |
| | | | |

Director Computer (Operations)

Director Computer (Operations)

| | | V. I |
|-----|---|--|
| | Economic: Benefits to the economy along with the assumption. Social benefits with indicators Environmental: | Creation of a High performance computerized environment for the FIMS system of K.M.C. Since K.M.C is a govt. organization, therefore no profit would be generated from this project and it's service will be provided to K.M.C employees and public of Karachi. Cost saving through the identification of primary cost drivers at organization/Department |
| | Environmental impact assessment negative /positive | N/A |
| 12. | (a) Implementation Schedule Indicate starting and completion date of the project. Item-wise/Year-wise implementation schedule in line chart correlated with the phasing of physical activities. | The project is expected to be initiated in June, 2016 and completed before June, 2017. |
| | physical activities. (b)Result base Monitoring (RBM) indicators. | The project strategy is to implement the Project for IFIMS over a defined period. Configuration functionality will develop alongside the project roll out plans and will identify deliverable documentation (baselines) in parallel with the progress of the project. A Project Management Committee (PMC) for the project comprising of the representatives of KMC finance department shall be constituted, who will responsible for the whole project implementation and monitoring till its completion. The PMC may shortlist and pre-qualify consultants & vendors, which will undertake the project or may decide for open bidding. Formal agreements will be signed with individual consultant/consultancy firm and vendors. The agreement would specify the terms of reference of the project, responsibilities of the two parties and ways and means of operation. PMC will submit regular monthly progress reports to concerned departments for monitoring of the project. |
| 13. | Management Structure and Manpower Requirements Administrative arrangements for implementation of project The manpower requirements by skills | The project shall be executed through expertise of existing professionals and staff of the Computer Operations, F&A Department of KMC. However some mandatory. IT Department, KMC employees / personnel and various numbers of skilled and technical personnel hired on contract basis or through project consultancy engaged in the execution of the project and KMC finance department employees will be trained by the |

Director Computer (Operations)

| | during execution and operation of the project | Skilled Technical Computer Personnel (Permanent & Contract Employees) of Finance Department, KMC will be engaged in operating and maintaining I.T infrastructure. |
|-----|--|---|
| | Professional & Technical During Execution Period | The KMC finance department will create a special cell for the implementation of this project. Contract staff will be engaged from the existing work force of KMC for this cell. |
| | During Operation / (Maintenance) Period | Personnel of respective departments of KMC will be engaged in running data processing activities while operational and development work will be monitored KMC finance department with the help of contract employees. However there will be a maintenance and consultancy contract for operation & maintenance of the system from the bidding-firm/open-market. |
| | 2. Project Staff | N/A |
| 14. | Additional projects/decisions required to maximize economic benefits from the proposed project | The project is expected to be initiated in June, 2016 and completed before July, 2017. |

Director Computer (Operations)

Computer (Operations)

15. It is certified that PC-I has been prepared as per guide lines issued by the planning commission for preparation of PC-I infrastructure project.

It is stated that the above works were not carried out from any other development heads.

| Prepared By: | (MOHAMMED ASHRAF) Director Computer Operations FINANCE & ACCOUNTS DEPARTMENT, KMC |
|------------------------------|---|
| Checked & Recommended By: | (REHAN KHAN) Financial Advisor FINANCE & ACCOUNTS DEPARTMENT, KMC |
| Approved By: | SAMIUDDIN SIDDIQUI METROPOLITAN COMMISSIONER KARACHI METROPOLITAN CORPORATION |
| | (LAEEQ AHMED) ADMINISTRATOR, KMC KARACHI METROPOLITAN CORPORATION |

Director Computer (Operations)

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Reasons for the Revision in PC-1:

This old (presently approved) PC-1 was made in April 2013 for KMC Finance department to support IFMIS system. The old PC-1 was not meeting the budgetary limit of 20 million therefore it was not possible to precede the project due to this limitation. It is decided to remove some items and component in the revised PC-1 without losing core functionality of the project to cope up the requirements KMC Finance department. It is expected that this new project will provide the I.T. services system to support IFIMS system of KMC Finance department. Some of the changes in old and revised PC-1 are also highlighted as below:

- PC-1 was prepared about four years ago by the departmental experts on the bas's of technology available that time, estimated cost and expected quantity to be used in project.
- Given technical specifications in PC-1 have been modified due to the change in technology and rapid improvements in Information Technology.
- 3. Increase in government taxes e.t.c.
- As items would be imported from abroad therefore increase in foreign currency rate since 2013 was affecting the cost of quoted item price.

Since with the new scenario there is not much room available for the modification/alteration in the original PC-1, further more amendments in the technical specifications makes no effect in the performance of project with limited cost, therefore the PC-1 has now been revised. Analysis is being made to improvise the project for provision of support accordingly in the current scenario.

Director Contractor Operations

Director Contractor 11

| S. No. | Description | Estimated In Rs. | Cos |
|--------|---|---------------------|-----|
| 1. | Cost of Computer Hardware & Peripherals (Annexure-II) | -nil- | |
| 2. | Cost of Computer Network & Accessories (Annexure-III) (Networking separate PC-1) | -nil- | |
| 3. | Cost of Computer Software (Software separate PC-1) (Annexure-IV) | -nil- | |
| 4 | Cost of Datacenter Infrastructure & front end Labs Upgrade/ Expansion (Annexure-V) | 19,899,0 | 00 |
| 5. | Miscellaneous & Contingencies | 100 | ,00 |

Director Computer (Oremannes)

COST OF IMPLEMENTATION DATACENTER INFRASTRUCTURE & FRONT END COMPUTER LABS UPGRADE /EXPANSION FOR THE INTEGRATED FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)

OLD

| S# | Description | Qty |
|--|---|-----|
| 1 | Fire Detection & Suppression System for Server Room Power Room Size: 16" x 12' x 11' | |
| 2 | CABLE TRAY : Supply and Installation of 8"x3" size of cable tray powder coated without cover | 1 |
| 3 | CCTV Supply and installation of 16 IP Camera (Day and Night) with 16 channel NVR Complete with all respects | 1 |
| 4 | DOOR ACCESS SYSTEM: Network Proximity Access Control with installation and testing and training | 1 |
| 5 | DIGITAL TEMPERATURE HUMIDITY AND WATER SENSOR with capability of Real-time monitoring of environment, power, cooling and security of the data center | 1 |
| 6 | DISMANTLING WORK : Aluminum Partition, Lights & Electrical Wiring/Cable Tray | 1 |
| 7 | NEW PARTITION New Aluminum Glass Partition Wall with 12mm thick Glass for Data Center New Aluminum Glass Partition Wall with 12mm thick Glass for NOC Area. | |
| 8 | DOOR: Fire Proof Emergency Metal Door In data Center and New 12mm thick glass/wooden door with locks, handle with door closer | 1 |
| 9 | BLOCK MASONARY WORK : Closing the exiting Door/Windows with new block masonry wall including with both side plaster | 1 |
| 10 | PAINT WORK; Apply Paint Work in New and Existing Walls In matt Finish with Anti- Dust Paint on Floor | 1 |
| 11 | FLOOR TILES : Providing and Laying of Porcelain Tiles in NOC Area | 1 |
| 12 | WINDOW BLINDS ; Providing and Fixing of Vertical/Horizontal Windows Blinds Imported | 1 |
| FURNITURE FOR NOC AREA: NOC Console furniture with high back lift chairs (For DBA etc, and directly associated equipment, like PC, Printer, etc.) Executive Tables with Chairs | | 1 |
| 14 | 14 G.I SHEET CLADDING (Cladding / Covering of Outside Electrical, Data Communication Cables and Air-Conditioning Piping | |
| 15 | POWER WIRING FOR DATA CENTER: Supply and Installation of 32 AMPS Industrial Socket. DB to first outlet in appropriate size of PVC conduit under Floor / wall, switches sockets for computers units from DB to first outlet | 1 |
| MAIN POWER SYSTEM FOR DATA CENTER Supply, installation, testing and commissioning of distribution panels, ATS Panel, Circuit breakers for datacenter and Air conditioning unit. Supply, installation, testing, termination and commissioning of following Single core / Multi-Core PVC insulated Copper Conductor cables for main/sub-main power distribution system in already installed conduits cable tray e.t.c, work also includes necessary termination accessories like compression lugs, color coded sleeves, identification tags etc. | | 1 |
| 17 | GROUNDING & BONDING Providing, installation, testing and commissioning of earthing & bonding system of complete data center including all material, boring, labor, tools, transportation, accessories etc Complete in all respects including detailed test reports. | 1 |
| 18 | LIGHTING SYSTEM FOR DATA CENTER Supply and installation of LED Panel , emergency light complete with all respects | 1 |
| 19 | Automatic voltage regulator 3 Phase 50 KVA Servo controlled | 1 |

Director Computer Operations)

Director & Planning CDGK

| 19.1 | Precision cooling (12.5kW) | 2 | | |
|-------|---|------|--|--|
| 19.2 | Floor Standing Unit (2 ½ Ton) inverter type comfort AC (Cool only) | 2 | | |
| 19.3 | Wall mount. Unit (2.0 ton) inverter type comfort AC (Cool only) | 4 | | |
| 19.3a | De-humidifier unit | 2 | | |
| 19.4 | Ultrasonic Electronic Rodent Control | 1 | | |
| 19.5 | Cisco WS-C3750X-24P-S Catalyst 3750X 24 Port Poe Switch. | | | |
| 19.6 | Cisco WS-C3750X-48T-S 3750X Series Catalyst Switch | 1 | | |
| 19.7 | NOC area Smart LED Monitor for database | 4 | | |
| 19.8 | Supply and installation of Ultrasonic Electronic Rodent Control system | 1 | | |
| 19.9 | Isolation Transformer, 3 Phase, 50KVA | 1 | | |
| 20 | COMPUTER SYSTEM OF DATA CENTER: | | | |
| 20.1 | Category 6 UTP Cabling with Patch Panel and patch cords | 4000 | | |
| 20.2 | 24 Port , 19 inch Patch Panel, Straight, Flush Mount, 1 RU equipped with 24 nos. Cat-6 Unshielded RJ45 information outlet including labeling complete in all respect. | 8 | | |
| 20.3 | Workstation/wall mounted information outlet having Duplex Face plate with 1No. CAT-6 RJ-45 socket for voice/data communication system including shuttered clickins, labels, jacks etc. Complete in all respects with cable identification tags | 50 | | |
| 20.4 | Category-6 Factory Certified tangle free RJ-45 to RJ-45 type patch cords in required colors having following lengths for interconnection of switches and patch panels. | | | |
| Α | 1 meter long Patch Cords. | 10 | | |
| В | 3 meter long Drop Cords. | 60 | | |
| 21 | UPS FOR DATA CENTER & NOC EQUIPMENTS: 20KVA 3 Phase | | | |
| | 20KVA-40KVA N+1, Scalable upto 100KVA 400V 3-Phase. | 2 | | |
| a | Alarms, Automatic internal bypass, Automatic self-test, Battery modules connected in parallel; Configurable for N+1 internal redundancy. Generator compatible, Hotswappable batteries, Hotswappable modules; Battery management, Modular design | | | |
| d | Scalable power capacity, UPS Management Software. | | | |
| | Emerson or Equivalent . | | | |
| | IP based PDU strips Min 20 sockets, digital indicator, Ethernet interface, Emerson or Equivalent | 8 | | |

Director Computer Coperations

Director Computer Coperations

REVISED

| S# | Description | Qty | Price (Rs.) | Total Cost (Rs) |
|------|--|-----|----------------|-----------------|
| 1 | CABLE TRAY: Supply and Installation of 8"x3" size of cable tray powder coated without cover | 1 | 675,000 | 575,000 |
| 2 | with 16 channel NVR Complete with all respects | | 1,000,000 | 1,000,000 |
| 3 | DOOR ACCESS SYSTEM: Network Proximity Access Control with installation and testing and training | 1 | 300,000 | 300,000 |
| 4 | DIGITAL TEMPERATURE HUMIDITY AND WATER SENSOR with capability of Real-time monitoring of environment, power, cooling and security of the data center | 1 | 2,150,000 | 2,150,000 |
| 5 | DISMANTLING WORK : Aluminum Partition, Lights & Electrical Wiring/Cable Tray | 1 | 250,000 | 250,000 |
| 6 | DOOR: Fire Proof Emergency Metal Door In data Center and New 12mm thick glass/wooden door with locks, handle with door closer | 1 | 550,000 | 550,000 |
| 7 | BLOCK MASONARY WORK : Closing the exiting Door/Windows with new block masonry wall including with both side plaster | 1 | 350,000 | 350,000 |
| 8 | PAINT WORK; Apply Paint Work in New and Existing Walls In matt Finish with Anti-Dust Paint on Floor | 1 | 575,000 | 575,000 |
| 9 | FLOOR TILES: Providing and Laying of Porcelain Tiles in NOC Area | 1 | 500,000 | 500,000 |
| 10 | WINDOW BLINDS; Providing and Fixing of Vertical/Horizontal Windows Blinds Imported | 1 | 40,000 | 40,000 |
| 11 | FURNITURE FOR NOC AREA: NOC Console furniture with high back lift chairs (For DBA etc. and directly associated equipment, like PC, Printer, etc.) Executive Tables with Chairs | 1 | 300,000 | 300,000 |
| 12 | G.I SHEET CLADDING (Cladding / Covering of Outside Electrical, Data Communication Cables and Air-Conditioning Piping | 1 | 300,000 | 300000 |
| 13 | POWER WIRING FOR DATA CENTER: Supply and Installation of 32 AMPS Industrial Socket, DB to first outlet in appropriate size of PVC conduit under Floor / wall, switches sockets for computers units from DB to first outlet | 1 | 800,000 | 800000 |
| 14 | MAIN POWER SYSTEM FOR DATA CENTER Supply, installation, testing and commissioning of distribution panels, ATS Panel, Circuit breakers for datacenter and Air conditioning unit. Supply, installation, testing, termination and commissioning of following Single core / Multi-Core PVC insulated Copper Conductor cables for main/sub-main power distribution system in already installed conduits cable tray e.t.c, work also includes necessary termination accessories like compression lugs, color coded sleeves, identification tags etc. | 1 | 1,700,000 | 1700000 |
| 15 | GROUNDING & BONDING Providing, Installation, testing and commissioning of earthing & bonding system of complete data center including all material, boring, labor, tools, transportation, accessories etc Complete in all respects including detailed test reports. | 1 | 350,000 | 350000 |
| 16 | LIGHTING SYSTEM FOR DATA CENTER Supply and installation of LED Panel, emergency light complete with all respects | 1 | 950,000 | 950000 |
| 17 | Automatic voltage regulator 3 Phase 50 KVA Servo controlled | 1 | 350,000 | 350000 |
| 17.1 | Precision cooling (12.5kW) | 2 | 1,500,000 | 3000000 |
| 7.2 | Floor Standing Unit (2 1/2 Ton.) Inverter type comfort AC (Cool only) | 2 | 250,000 | 500000 |



PC-I

Refurbishment of Finance and Accounts Department for One Window Operation (REVISED)



APRIL 2016

FINANCE & ACCOUNTS DEPARTMENT KARACHI METROPOLITAN CORPORATION

July gravel 1

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Director Computer OFFE THE PRINTERS

PROJECT DIGEST

| 1. | Name Of Project: | Refurbishment of Finance and Accounts Department, Karachi Metropolitan Corporation (KMC) for One Window Operation of IFMIS. |
|-----|--|---|
| 2. | Location: | The Project will be executed at Finance &Accounts Department, 6 th floor, Head office KMC, Civic Centre Building, Karachi. |
| 3. | Authorities Responsible: | Karachi Metropolitan Corporation. Finance & Accounts Department, KMC Finance & Accounts Department, KMC |
| xx. | Time required for completion: | 24 Months from the date of release of funds. |
| 4. | Plan Provision: | |
| | (i) If the project is included in the current Five Year Plan, specify actual allocation | Not Included. |
| | (ii) If not included in the current plan, how is it now proposed to be accommodated (Inter/Intra-Sectorial adjustments in allocation or other resources may be indicated). | District ADP- 2015-2016 |
| | (iii) If the project is proposed to be financed out of block provision program indicate. | Not Applicable |
| | (iv) For each project a statement showing plan allocation and impact of the project being submitted for approval on the sectorial portfolio should be given. | Not Applicable |
| 5. | Project Objectives: Project objectives and its relationship of the Project with the objectives of the sector: | The Finance and Accounts Department KMC has initiated the Development and Implementation of the Integrated Financial management Information System (IFMIS), the appropriate and successful performance of the system calls for the establishment of "One Window Operation" to minimize unnecessary disturbance and to facilitate the functionaries as well. The following development and upgradation work has to be carried out for instituting the "One Window Operation": Uplift and renovation of sections/ Offices of Finance and Accounts Department including corridors which includes: a. Civil Work b. Electrical Work |

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| | | c. Air-conditioning 1. Creation of Online Document management cell, which includes: a) document preparation area. b) Record room c) Archiving room for multi speed Scanning facilities. 2. Online Tax management cell for e-transactions with FBR, SRB, Excise &Taxation GOS. 3. Online salary disbursement cell for e-transactions with commercial Bank. e.g. HBL 4. Online One window reception & delivery counters on both sides of F&A Department. 5. Online public dealing counters on ground floor for pensioners, contractors and employees salary bills dealing. 6. Provision of wooden computer workstations for Budget, scrutiny, Cheque and other sections of F&A. 7. Multipurpose conference room with Data, Voice, Wi-Fi & multimedia facilities and emergency Data handling support. 8. Safety iron grills for inner side of glass windows for the protection from theft & security issues. 9. CCTV/CATV/Access control support. |
|---|---|--|
| 6 | Description and Justification of Project: - Provide Hardware specification - Attach Networking / LAN diagram - Software requirements - Available service (DSL, wireless) | The proposed project aims to provide high speed centralized data resource, IT hub for the improved performance, and timely address emerging task of IFMIS in order to facilitate the employees/pensioners/tax Payers etc and also resolve the technical issues and provide solution at every stage on timely basis. The project will help to establish and strengthen the business process including records transparencies. IFMIS project will provide fast access to users in order to address each & every transaction accurately on real time basis. In this context Computer Operation's, F&A department had given the task to undertake an initial study of IFMIS, F&A, KMC in 2013. The same study is required to be modified /enhanced further, for the Integrated Financial Management Information System (IFMIS) of Finance & Accounts, KMC. Since then this project could not be started due to budgetary reasons. Currently it has been prepared with some minor changes / enhancements. The purposed developing Online Document System compartment is to organize, edit and distribute the all important official files. It will help quickly to scan papers, import existing files and folders into a central location and distribute important documents in standardized formats. A document management solution will allow user to find documents in seconds, rather than minutes or hours. It will help to organize business activities, reduce printing & storage costs, wasted materials, and time. The Online Tax Management Cell for e-transactions with FBR, SRB, and Excise & Taxastion GOS would have uniqueness i.e. web based, centralized, integrated, integrated, integrated, interface, services provision to other parties that will facilitate to tax payers. Online salary disbursement cell for e-transactions with |
| | | Online salary dispursement cell for e-transactions with |

Director Computer Operations

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- commercial Bank i.e. HBL will be interfaced with Payroll Subsystem with budget allocation and checking from Budget Subsystem. Further, salary disbursement will be performed through tight functional integration with Bank Reconciliation Subsystem.
- Online One window reception & delivery counters on both sides of F&A Department will help to address regarding the salary, accounts/CNIC update etc basis.
- The purpose of developing Online Public Dealing Counters on ground floor for pensioners, contractors and employees salary bills dealing in order to facilitate aged class and avoid disturbance at finance department.
- Provision of wooden computer workstations for Budget, scrutiny, Cheque and other sections of F&A,
- Multipurpose conference room with Data Voice, Wi-Fi & multimedia facilities, and emergency Data handling support in order to meet Quality Management System standards.
- Safety iron grills for inner side of glass windows for the protection from theft & security issues will ensure the employees' health and safety.
- CCTV/CATV/Access control support will help to monitor the employees' activities and avoid disturbances in future.

Proposed facilities:

Organizational:

Establishment of a compressive I.T enabled computing center to cater the current and future high performance computing need of Integrated Financial Management Information at K.MC.

Physical:

- A suitable physical place for all IT related daily work of K.M.C.
- · Appropriate networking cabling at all work places/areas

Civil and Electrical work:

- Civil work for the renovation of Finance department
- Electrical work for computer systems and accesories

Computer Hardware and Software:

- · Gigabit connectivity of switches
- Electrical Power Backup Equipments (UPS, Stabilizers)
- Air-conditioning units
- Hardware Accessories, Wires and Cabling.
- Data connectivity between servers would be possible by making use of the Comprehensive network architecture.

Services;

- · System Operations
- User Support
- User Training

Director Computer (Operation)

| | | Human r Project so System C | upervisor | | | | | | | |
|----|---|---|---|---------|------------------------------|-----------|-----------|--|----------|---|
| 7. | Capital Cost estimates: | | Local : R | | | | | and decision of the least of th | | *************************************** |
| | - Indicate date of | | April, 201 | 16 | | | | | | |
| | estimation of Project cost - Basis of determining the capital cost | Given details of available resources, required IT infrastructur assessment of required capabilities of the system, facilities are consultancy services, training programs including justification and rate analysis of various vendors /equipments, various meeting and other market rate studies is the basis preliminary cost estimates of the project. | | | | | | | | ies and lication various |
| | Year wise /component wise physical | | Year-wi | se/com | ponent- | wise ph | ysical Ad | ctivities | | 7 |
| | activities | 1 | tems | U | nits | Year-I | Yea | | Year-III | |
| | | o A | efurbishm f Finance a accounts department or One Vindow operation | and R | er unit s. In illian) | | | | | |
| | Year wise /component wise financial phasing | Phasing of as stated a | bove and | provid | | following | ng: | | | of work |
| | | Item | | ar-1 | - | ar-2 | | ar-3 | To | 1 |
| | | Capital | 6 million | Total | Local 14 million | Total | Local | Total | Local | FEC |
| | | Revenue | | | | | | | | |
| | History of project approval, year-wise PSDP allocation, releases & expenditure. | ***** | | | | | | | | |
| | Item-wise, year-wise actual expenditure and physical progress. | N/A | | | | | | | | |
| | Justification for revision of PC-1 and variation in scope of project if applicable. | N/A | | | | | | | | |
| | Item-wise comparison of revised cost with the approved cost and give reasons for variation. | N/A | | | | | | | | |
| | Exchange rate used to work out FEC in the original & revised PC-1 | | | | | | | | | |
| | | N/A | | | | | | | | |
| 8. | Annual Recurring expenditure after completion of the project | Local: Rs | . 1 Millio | n To be | paid by | K.M.C | | | | |

Trector Computer (Operation of the Computer of

| 9. | Demand and Supply analysis | Existing I.T in the offices of K.M.C finance department will be revamped for the improvement of infrastructure. |
|-----|--|---|
| | Existing capacity of services and its supply/demand | Current I.T infrastructure is outdate and difficult to sustain the I.T workload therefore the need of new items proposed in the new PC-1 |
| | Project demand for 10 years. | The new infrastructure will sustain the workload of FIMS system for next 10 years. High UPS and Power distribution units and allied system will cater the future demand of FIMS system with optimum performance, reliability and manageability. |
| | Designed capacity and output of the proposed project. | The proposed items are capable to provide maximum output due to utilization of latest and most advantageous components of the electrical and civil system. Moreover, future expansion in the proposed is also possible to accommodate growth. |
| 10. | Financial Plan: Sources of financing | Karachi Metropolitan Corporation (KMC). (ADP-2016-17) |
| | (a) Equity Indicate the amount of equity to be financed from each source. Sponsors own resource. Federal Govt. Provincial Govt. DFI's/Banks General public Foreign Equity NGO's/Beneficiaries Others (b)Debt Indicate the local & foreign debt, interest rate, grace period and repayment period for each local separately. The load repayment schedule be also annexed. (c)Grant along with sources | Nil |
| 11. | Benefits of the project and analysis • Financial: Income to the project alongside assumptions | The project will support the idea of E-Government which is an initiative of Federal Cabinet's Approved National T Policy & Action Plan. Each proposed component will help to improve working efficiency of the Finance department and also improve accessing of financial related information between departments of K.M.C. The new system will bring greater transparency in Government-Citizen interactions procedures and enhancement in daily working. The other benefits include number of advantages for the interdepartmental Data Communication and Computerized ready information records and quick reports for the overall review. |

Director ce & Planning CDGK

| | | Creation of a High performance computerized environment for the FIMS system of K.M.C. |
|-----|---|---|
| | Economic: Benefits to the economy along with the assumption. Social benefits with indicators Environmental: Environmental impact assessment negative /positive | Cost savings through the identification of primary cost-drivers at organization/department and all other levels and the monitoring of mechanisms introduced to lower costs. N/A |
| 12. | (a) Implementation Schedule Indicate starting and completion date of the project. Item-wise/Year-wise implementation schedule in line chart correlated with the phasing of physical activities. (b) Result base Monitoring (RBM) indicators. | The project is expected to be initiated in June, 2016 and completed before June, 2017. The project strategy is to implement the Project for IFIMS over a defined period. Configuration functionality will develop alongside the project roll out plans and will identify deliverable documentation (baselines) with the progress of the project. A Project Management Committee (PMC) for the project comprising of the representatives of KMC I.T departments outside K.M.C shall be constituted, who will responsible for the whole project implementation and monitoring till its completion. The PMC may shortlist and pre-qualify consultants & vendors, which will undertake the project or may decide for open bidding. Formal agreements will be signed with individual consultant/consultancy firm and vendors. The agreement would specify the terms of reference of the project, responsibilities of the two parties and ways and means of operation. PMC will submit regular monthly progress reports to concerned departments for monitoring of the project. |
| 13. | Management Structure and Manpower Requirements | The project shall be executed through expertise of existing professionals and staff of the Computer Operations, F&A Department of KMC. |
| | Administrative arrangements for implementation of project | IT Department, KMC employees / personnel and various numbers of skilled and technical personnel hired on contract basis or through project consultancy will be |

Directo Computer (Operations)

Finance & Planning

| | The manpower requirements by skills during execution and operation of the project | engaged in the execution of the project and KMC finance department employees will be trained by the training component provided in the project Skilled Technical Computer Personnel (Permanent & Contract Employees) of Finance Department, KMC will be engaged in operating and maintaining I.T infrastructure. |
|-----|--|--|
| | Professional & Technical During Execution Period | The KMC finance department will create a special cell for the implementation of this project. Contract staff will be engaged from the existing work force of KMC for this cell. |
| | During Operation / (Maintenance) Perlod | Personnel of respective departments of KMC will be engaged in running data processing activities while operational and development work will be KMC finance department with the help of contract employees. However there will be a maintenance and consultancy contract for operation & maintenance of the system from the bidding-firm/open-market. |
| | 2. Project Staff Project Manager System Support Staff HRM Staff Quality Maintenance Staff Developers/Operators Administrative, Executive & Managerial Data Entry Operators Others | Personnel of respective department of KMC will be engaged for the help of Project consultants/staff for smooth operation while operational and development work will be monitored by KMC finance department with the help of existing contract employees. However there will be a maintenance & consultancy contract for operation & maintenance of the system from the bidding firm(s)/open market. |
| 14. | Additional projects/decisions required to maximize economic | The projects improve the performance of the official day to day working with the latest innovations of the I.T technology by replacing |

the electrical, Civil and I.T infrastructure items and accessories.

benefits from the proposed

project

Director Computer (Operations)

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5. It is certified that PC-I has been prepared as per guide lines issued by the planning commission for preparation of PC-I infrastructure project.

It is stated that the above works were not carried out from any other development heads.

Prepared By:

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FINANCE & ACCOUNTS DEPARTMENT, KMC

Checked &
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Financial Advisor
FINANCE & ACCOUNTS DEPARTMENT, KMC

SAMIUDDIN SIDDIQUI
METROPOLITAN COMMISSIONER
KARACHI METROPOLITAN CORPORATION

Approved By:

(LAEEQ AHMED)
ADMINISTRATOR, KMC
KARACHI METROPOLITAN CORPORATION

10

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Computer (Operations
Stanning CDGK

Reasons for the Revision in PC-1:

This old (presently approved) PC-1 was made in April 2013 for KMC Finance department to support IFMIS system. The old PC-1 was not meeting the budgetary limit of 20 million therefore it was not possible to precede the project due to this limitation. It is decided to remove some items and component in the revised PC-1 without losing core functionality of the project to cope up the requirements KMC Finance department. It is expected that this new project will provide the I.T. services system to support IFIMS system of KMC Finance department. Some of the changes in old and revised PC-1 are also highlighted as below:

- PC-1 was prepared about four years ago by the departmental experts on the basis of technology available that time, estimated cost and expected quantity to be used in the project.
- Given technical specifications in PC-1 have been modified due to the change in technology and rapid improvements in Information Technology.
- 3. Increase in government taxes e.t.c.
- As items would be imported from abroad therefore increase in foreign currency rate since 2013 was affecting the cost of quoted item price.

Since with the new scenario there is not much room available for the modification/alteration in the original PC-1, further more amendments in the technical specifications makes no effect in the performance of project with limited cost, therefore the PC-1 has now been revised. Analysis is being made to improvise the project for provision of support accordingly in the current scenario.

Director Computer (Operations)

| S. No. | Description | Estimated Cos In Rs. |
|--------|--|-------------------------|
| 1. | Cost of Computer Hardware & Peripherals (Annexure-II) | -nil- |
| 2. | Cost of Computer Network & Accessories (Annexure-III) (Networking separate PC-1) | -nil- |
| 3. | Cost of Computer Software (Software separate PC-1) (Annexure-IV) | -nil- |
| 4 | Refurbishment of Finance and Accounts Department for One Window Operation | 19,899,000 |
| 5. | Miscellaneous & Contingencies | 100,00 |

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Director Compluter (all thous)

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COST OF REFURBISHMENT OF FINANCE AND ACCOUNTS DEPARTMENT FOR ONE WINDOW OPERATION

| S# | Description | Qty | | | | | |
|----|--|-----|--|--|--|--|--|
| 1 | WIRINGWIRING ACCESSORIES: Circuit wiring form DB to switch board, Wiring of light point from switch board to point and multipin sockets for computer units in specified / appropriate size of concealed PVC conduit. Circuit breakers installation. Supply and installation of perforated cable tray in 16SWG sheet in powder coated color complete with handing arrangements. | | | | | | |
| 2 | SWITCHES & SOCKETS: Providing installation and commissioning of following wiring devices power receptacles. Simplex multi Pin switch socket unit and Flat Pin 3-Pin Switch socket unit. | | | | | | |
| 3 | LIGHTING FIXTURE/FANS: Supply and installation of TLD lamp, down light lamp, Exhaust and bracket fans complete with all respects. Committee Room Up Gradation of existing committee room with High Resolution full HD branded multimedia projector with motorized screen. Split Air conditioner tower 4 tons with complete installation materials & matching stabilizers | | | | | | |
| 4 | COMPUTER SYSTEM: Wireless Access Router, Category & UTP cables with 24 Port 19 Inch Patch Panet, single face plate with I/O of CAT-6 RJ-45 Socket for data/voice for Data communication with CAT-6 Patch Cords , & core outdoor Multimode fiber optic cabling and comprehensive testing and commissioning of complete structured cabling at both end. | 1 | | | | | |
| 5 | HVAC WORK : Supply of split wall mounted type Air Conditioning units (2.0 Ton) complete in all respect | 1 | | | | | |
| 1 | DISMATLING : Dismantling of Aluminum partitions walls of wash room tiles and other accessories | 1 | | | | | |
| 2 | BLOCK MASONRY; Providing and laying first class block masonry walls without plaster complete in all respect | 1 | | | | | |
| 3 | SURFACE RENDERING ; Providing and laying of thick cement sand plaster to both sides of walls preparation of surface before plastering finishing complete work in all respect | 1 | | | | | |
| 4 | FLOORING: Porcelain Tiles: Providing and laying of porcelain tile, flooring with dry bond including joint filling with approved matching grouting cutting tiles where required etc complete in all respect | 1 | | | | | |
| 5 | SKIRTING : Providing and installation in position where required title skirting as per drawing complete in all respects | 1 | | | | | |
| 6 | DMS Room; Making new DMS (Documents Management System) room for scanning archival printing of documents complete with block masonry work plaster and paint work. | 1 | | | | | |
| 7 | Workstation for DMS Room: Providing and fixing new wooden work station Formica finished wooden edging complete with drawer unit and key board tray with low height partition complete in all respect | 1 | | | | | |
| 8 | Filling Rack for DMS Room; Providing and fixing metal filling rack with framing for filing in approved color | 1 | | | | | |
| 9 | Iron Door for DMS Room : Provide and installation of heavy duty Iron door with metal frame and metal body locks & handles | 1 | | | | | |
| 0 | DOORS : Providing and fixing polish finished flush doors with new wooden frame limping on all sides of the door with fitting door looks high quality hinges etc complete in all respects | 1 | | | | | |
| 11 | WASH ROOMS: Making new wash room with new tile on walls upto 5-0 high and on floor complete with new water and drain line new sanitary fitting, new commode / W.C and new wash basin. | 1 | | | | | |
| 12 | WASH ROOM DOOR: Providing and fixing Formica finished flush doors on all sides of the door with fittings door locks height quality hinges etc complete in all respects. Providing and fixing Formica finished flush doors on all sides of the door with fittings door locks high quality hinges etc complete in all respects | 1 | | | | | |

Director Computer (Operations)

Property (Operations)

Director Computer (Operations)

| 13 | KITCHEN CABINETS: providing and fabrication of counter with marble top, drawer units, polishing and all fixtures with other all accessories. Also anti-termite treatment job. Providing and fixing new full height wooden cabinet for store room Formica finished including locks & handles complete in all respect. | 1 |
|----|--|---|
| 14 | FULL HEIGHT WOODEN CABINETS: Providing and fixing new full height wooden cabinet for store room Formica finished including locks & handles complete in all respect | 1 |
| 15 | GLASS WORK: Glass partition: Providing and fixing 12mm thick half glass partitions half wooden 3 thick without doors and frosted film complete in all respects | 1 |
| 16 | Glass Door: Providing and fixing 12mm thick clear glass door with bottom and wooden channel polish including all necessary fittings SS handles locks floor mounted machine complete in all respect | 1 |
| 17 | Polishing of existing watticladding and doors by same finish | 1 |
| 18 | PAINTING: Providing and painting by plastic paint on walls of desired color and shade of ICI / Berger surfaces with putting. Complete in all respects | 1 |
| 19 | FALSE CEILING: Laminated Gypsum board ceiling: Providing and fixing laminated gypsum board false ceiling with hangers complete in all respects | 1 |
| 20 | WOODEN PARTITON WALL: Supply making and installation of wooden partition with appropriate size of grooves. | 1 |
| 21 | MS GRILL: Providing and fixing MS grills on existing Glass windows finished in paint complete in all respect | 1 |
| 22 | WORKSTATION: Providing and fixing new wooden workstation Formica finished wooden edging complete with drawer unite and key board tray with low height partition complete in all respect | 1 |
| 23 | OFFICERS DESK: Providing and fixing new officers desk with side racks, complete in all respect. | 1 |
| 24 | Providing staff visitors chairs | 1 |
| 25 | Providing high back officers chairs | 1 |
| 26 | Providing waiting area single seated sofa | 1 |
| 27 | Providing and fixing of vertical / horizontal windows blind imported | 1 |
| 28 | Beautification and Designing of entrance wall of reception area | 1 |
| | TOTAL ESTIMATED COST 20.00 MILLION | |

Director Computer (Operations)
Finance & Planning

REVISED

| S# | Description | Qty | Price (Rs.) | Total Cost (Rs) |
|----|---|-----|-------------|-----------------|
| 1 | WIRINGWIRING ACCESSORIES: Circuit wiring form DB to switch board, Wiring of light point from switch board to point and multipin sockets for computer units in specified / appropriate size of concealed PVC condult, Circuit breakers installation. Supply and installation of perforated cable tray in 16SWG sheet in powder coated color complete with handing arrangements | 1 | 2.860,000 | 2,860,000 |
| 2 | SWITCHES & SOCKETS: Providing installation and commissioning of following wiring devices power receptacles. Simplex multi Pin switch socket unit and Flat Pin 3-Pin Switch socket unit. | 1 | 114,000 | 114.000 |
| 3 | LIGHTING FIXTURE/FANS: Supply and installation of TLD lamp, down light lamp, Exhaust and bracket fans complete with all respects. Committee Room Up Gradation of existing committee room with High Resolution full HD branded multimedia projector with motorized screen. Split Air conditioner tower 4 tons with complete installation materials & matching stabilizers | 1 | 2.100,000 | 2,100,000 |
| 4 | COMPUTER SYSTEM: Wireless Access Router, Category 6 UTP cables with 24 Port 19 Inch Patch Panel, single face plate with I/O of CAT-6 RJ-45 Socket for data/voice for Data communication with CAT 6 Patch Cords, 8 core outdoor Multimode fiber optic cabling and comprehensive testing and commissioning of complete structured cabling at both end. | 1 | 1,200,000 | 1,200,000 |
| 5 | HVAC WORK : Supply of split wall mounted type Air Conditioning units (2.0 Ton) complete in all respect | 1 | 1,440,000 | 1,440,000 |
| 1 | DISMATLING : Dismantling of Aluminum partitions walls of wash room tiles and other accessories | 1 | 55,000 | 55,000 |
| 2 | BLOCK MASONRY; Providing and laying first class block masonry walls without plaster complete in all respect | 1 | 479,000 | 479,000 |
| 3 | SURFACE RENDERING ; Providing and laying of thick cement sand plaster to both sides of walls preparation of surface before plastering finishing complete work in all respect | 1 | 360,000 | 360,000 |
| 4 | FLOORING: Porcelain Tiles: Providing and laying of porcelain tile, flooring with dry bond including joint filling with approved matching grouting cutting tiles where required etc complete in all respect | 1 | 2,300.000 | 2,300,000 |
| 5 | SKIRTING : Providing and installation in position where required title skirting as per drawing complete in all respects | 1 | 520,000 | 520.000 |
| 6 | DMS Room; Making new DMS (Documents Management System) room for scanning archival printing of documents complete with block masonry work plaster and paint work. | 1 | 150,000 | 150.000 |
| 7 | Workstation for DMS Room: Providing and fixing new wooden work station Formica finished wooden edging complete with drawer unit and key board tray with low height partition complete in all respect | 1 | 170,000 | 170000 |
| 8 | Iron Door for DMS Room : Provide and installation of heavy duty Iron door with metal frame and metal body locks & handles | 1 | 12,000 | 12000 |
| 9 | DOORS: Providing and fixing polish finned flush doors with new wooden frame limping on all sides of the door with fitting door looks high quality hinges etc complete in all respects | 1 | 100,000 | 100000 |

Director Computer Operations

Director Computer Operations

Finance & Planning

| | Grand Total | | | 19,996,000 |
|----|--|---|-----------|------------|
| 86 | Beautification and Designing of entrance wall of reception area | 1 | 90,000 | 90000 |
| 25 | Providing and fixing of vertical / herizontal windows blind imported | 1 | 80,000 | 80000 |
| 4 | Providing waiting area single seater sofa | 1 | 200,000 | 200000 |
| 3 | Providing high back officers chairs | 1 | 520,000 | 520000 |
| 2 | Providing staff visitors chairs | 1 | 800,000 | 800000 |
| 1 | OFFICERS DESK : Providing and fixing new officers desk with side racks complete in all respect | 1 | 130,000 | 130000 |
| 0 | WORKSTATION: Providing and fixing new wooden workstation Formica finished wooden edging complete with drawer unite and key board tray with low height partition complete in all respect | 1 | 1,500,000 | 1500000 |
| 9 | MS GRILL: Providing and fixing MS grills on existing Glass windows finished in paint complete in all respect | 1 | 140,000 | 140000 |
| 8 | WOODEN PARTITON WALL: Supply making and installation of wooden partition with appropriate size of grooves. | 1 | 230,000 | 230000 |
| 7 | PAINTING: Providing and painting by plastic paint on walls of desired color and shade of ICI / Berger surfaces with putting. Complete in all respects | 1 | 1,110,000 | 1110000 |
| 6 | Polishing of existing wall cladding and doors by same finish | 1 | 250,000 | 250000 |
| 5 | Glass Door: Providing and fixing 12mm thick clear glass door with bottom and wooden channel polish including all necessary fittings SS handles locks floor mounted machine complete in all respect | 1 | 530,000 | 530000 |
| 4 | GLASS WORK: Glass partition: Providing and fixing 12mm thick half glass partitions half wooden 3 thick without doors and frosted film complete in all respects | 1 | 1,300,000 | 1300000 |
| 3 | FULL HEIGHT WOODEN CABINETS: Providing and fixing new full height wooden cabinet for store room Formica finished including locks & handles complete in all respect | 1 | 290,000 | 290000 |
| 12 | KITCHEN CABINETS: providing and fabrication of counter with marble top, drawer units, polishing and all fixtures with other all accessories. Also anti-termite treatment job. Providing and fixing new full height wooden cabinet for store room Formica finished including locks & handles complete in all respect | 1 | 220,000 | 220000 |
| 11 | WASH ROOM DOOR: Providing and fixing Formica finished flush doors on all sides of the door with fittings door locks height quality hinges etc complete in all respects. Providing and fixing Formica finished flush doors on all sides of the door with fittings door locks height quality hinges etc complete in all respects | 1 | 46,000 | 48000 |
| 0 | WASH ROOMS: Making new wash room with new tile on walls upto 5-0 high and on floor complete with new water and drain line new sanitary fitting, new commode / W.C and new wash basin. | 1 | 700,000 | 700000 |

Director Computer (Operations)

SUMMARY OF TOTAL EXPENDITURE

| S.NO | Description | Rs. (In Millions) |
|------|------------------------|-------------------|
| 1 | Electrical work | 5,074,000 |
| 2 | Civil Work | 3,864,000 |
| 3 | Cooling Equipments | 1,440,000 |
| 4 | Computer equipments | 1,200,000 |
| 5 | Furniture's & Fixtures | 8,418,000 |
| | TOTAL EXPENDITURE (RS) | 19,996,000 |

DISTRIBUTION OF CAPITAL & REVENUE EXPENDITURE

| S# | Description | Qty | Price (Rs.) | Total Cost (Rs) | | 140 049. |
|----|--|-----|-------------|-----------------|------|----------|
| 1 | WIRINGAWIRING ACCESSORIES: Circuit wiring form DB to switch board, Wiring of light point from switch board to point and multipin sockets for computer units in specified / appropriate size of concealed PVC conduit. Circuit breakers installation. Supply and installation of perforated cable tray in 16SWG sheet in powder coated color complete with handing arrangements | 1 | 2,860,000 | 2,860,000 | CAP | ITAL |
| 2 | SWITCHES & SOCKETS: Providing installation and commissioning of following wiring devices power receptacles. Simplex multi Pin switch socket unit and Flat Pin 3-Pin Switch socket unit. | 1 | 114,000 | 114,000 | CAP | TAL |
| 3 | LIGHTING FIXTURE/FANS: Supply and installation of TLD lamp, down light lamp, Exhaust and bracket fans complete with all respects. Committee Room Up Gradation of existing committee room with High Resolution full HD branded multimedia projector with motorized screen. Split Air conditioner tower 4 tons with complete installation materials & matching stabilizers | 1 | 2,100,000 | 2,100,000 | CAPI | TAL |
| 4 | COMPUTER SYSTEM: Wireless Access Router, Category 6 UTP cables with 24 Port 19 Inch Patch Panel, single face plate with I/O of CAT-6 RJ-45 Socket for data/voice for Data communication with CAT 6 Patch Cords, 8 core outdoor Multimode fiber optic cabling and comprehensive testing and commissioning of complete structured cabling at both end. | 4 | 1,200,000 | 1,200,000 | REVE | NUE |
| 5 | HVAC WORK : Supply of split wall mounted type Air Conditioning units (2.0 Ton) complete in all respect | 1 | 1,440,000 | 1,440,000 | REVE | NUE |
| 1 | DISMATLING : Dismanlling of Aluminum partitions walls of wash room tiles and other accessories | 1 | 55,000 | 55,000 | CAPI | TAL |
| 2 | BLOCK MASONRY; Providing and laying first class block masonry walls without plaster complete in all respect | 1 | 479,000 | 479,000 | CAPI | TAL |
| 3 | SURFACE RENDERING; Providing and laying of thick cement sand plaster to both sides of walls preparation of surface before plastering finishing complete work in all respect | 1 | 360,000 | 360,000 | CAPI | TAL |
| 4 | FLOORING: Porcelain Tiles: Providing and laying of porcelain tile, flooring with dry bond including joint filling with approved matching grouting cutting tiles where required etc complete in all respect | 1 | 2.300,000 | 2,300,000 | CAPI | TAL |

Director Computer Operations)

Director Computer Operations

CDGK

| 5 | SKIRTING : Providing and installation in position where required title skirting as per drawing complete in all respects | 1 | 520,000 | 520,000 | CAPITAL | |
|----|--|---|-----------|---------|---------|--|
| 6 | DMS Room; Making new DMS (Documents Management System) room for scanning archival printing of documents complete with block masonry work plaster and paint work. | 1 | 150,000 | 150,000 | CAPITAL | |
| 7 | Workstation for DMS Room: Providing and fixing new wooden work station Formica finished wooden edging complete with drawer unit and key board tray with low height partition complete in all respect | 1 | 170,000 | 170000 | CAPITAL | |
| 3 | Iron Door for DMS Room : Provide and installation of heavy duty Iron door with metal frame and metal body locks & handles | 1 | 12,000 | 12000 | CAPITAL | |
| , | DOORS : Providing and fixing polish finned flush doors with new wooden frame limping on all sides of the door with filling door looks high quality hinges etc complete in all respects | 1 | 100,000 | 100000 | CAPITAL | |
| 0 | WASH ROOMS: Making new wash room with new tile on walls upto 5-0 high and on floor complete with new water and drain line new sanitary fitting, new commode / W.C and new wash basin. | 1 | 700,000 | 700000 | CAPITAL | |
| | WASH ROOM DOOR: Providing and fixing Formica finished flush doors on all sides of the door with fittings door locks hight quality hinges etc complete in all respects. Providing and fixing Formica finished flush doors on all sides of the door with fittings door locks high quality hinges etc complete in all respects. | 1 | 46,000 | 46000 | CAPITAL | |
| | KITCHEN CABINETS: providing and fabrication of counter with marble top, drawer units, polishing and all fixtures with other all accessories. Also anti-termite treatment job. Providing and fixing new full height wooden cabinet for store room Formica finished including locks & handles complete in all respect | 1 | 220,000 | 220000 | CAPITAL | |
| 3 | FULL HEIGHT WOODEN CABINETS: Providing and fixing new full height wooden cabinet for stere room formica finished including locks & handles complete in all respect | 1 | 290,000 | 290000 | CAPITAL | |
| | GLASS WORK: Glass partition: Providing and fixing 12mm thick half glass partitions half wooden 3 thinck without doors and frosted film complete in all respects | 1 | 1,300,000 | 1300000 | CAPITAL | |
| 5 | Glass Door: Providing and fixing 12mm thick clear glass door with bottom and wooden channel polish including all necessary fittings SS handles locks floor mounted machine complete in all respect | 1 | 530,000 | 530000 | CAPITAL | |
| 6 | Polishing of existing wall cladding and doors by same finish | 1 | 250,000 | 250000 | CAPITAL | |
| 7 | PAINTING: Providing and painting by plastic paint on walls of desired color and shade of ICI / Berger surfaces with putting. Complete in all respects | 1 | 1,110,000 | 1110000 | CAPITAL | |
| 8 | WOODEN PARTITON WALL: Supply making and installation of wooden partition with appropriate size of grooves. | 1 | 230.000 | 230000 | CAPITAL | |
| 19 | MS GRILL: Providing and fixing MS grills on existing Glass windows finished in paint complete in all respect | 1 | 140.000 | 140000 | CAPITAL | |
| 0 | WORKSTATION: Providing and fixing new wooden workstation Formica finished wooden edging complete with drawer unite and key board tray with low heigh partition complete in all respect | 1 | 1,500,000 | 1500000 | CAPITAL | |
| 1 | OFFICERS DESK: Providing and fixing new officers desk with side racks, complete in all respect | 1 | 130,000 | 130000 | CAPITAL | |

Director Computer Operation

| | Grand Total | | | 19,996,000 | | |
|----|---|---|---------|------------|-----|-------|
| 26 | Beautification and Designing of entrance wall of reception area | 1 | 90,000 | 90000 | CA | PITAL |
| 25 | Providing and fixing of vertical / horizontal windows blind imported | 1 | 80.000 | 80000 | CA | PITAL |
| 24 | Providing waiting area single seater sofa | 1 | 200,000 | 200000 | CA | PITAL |
| 23 | Providing high back officers chairs | 1 | 520,000 | 520000 | C.A | PITAL |
| 22 | Providing staff visitors chairs | 1 | 800,000 | 800000 | CA | PITAL |

| | RS (In Millions) |
|-----------------|------------------|
| Cost of Capital | 17,356,000 |
| Cost of Revenue | 2,640,000 |
| Grand Total | 19,996,000 |

Director Computer Operations