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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

Dated: 27-4-2016.

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: **“Data-Centre / Front End Lab Infrastructure Up-Gradation / Expansion of Finance & Accounts Department, KMC.**
4. Method of Procurement: **Single Stage (Two envelopes)**
5. Tender Published: **Daily Jang Karachi, Daily Dawn Karachi, Daily “Sarwan” Dated: 02-02-2016, 03-02-2016 and 03-02-2016 respectively.**
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 of cost	Comparison with Estimated cost	Reasons for acceptance/rejections	Remarks
1	2	3	4	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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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)
MUHAMMAD ABDUL NASIR



Director (IT), C&A
KAMAL AHMED SIDDIQUI


Sr. Director IT Department
(Chairman)
MASOOD ALAM

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. NAHEEL AGHA



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KARACHI METROPOLITAN 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.
4. Method of Procurement: **Single Stage (Two envelopes)**
5. Tender Published: **Daily Jang Karachi, Daily Dawn Karachi, Daily "Sarwan"**
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**
10. Bid (s) Rejected: **Nil**
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 of cost	Comparison with Estimated cost	Reasons for acceptance/rejections	Remarks
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
KHALID FAHIM KHAN

Director (IT) SWD
(Convener)
MUHAMMAD ABDUL NASIR.

Director (IT), C&A
KAMAL ANWAR SIDDIQUI

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)
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MUHAMMAD NAWAZ KHAN.

Executive Engineer
(Lyari Development Authority)
S. NAFEEES AGHA



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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
3. Tender Description/Name of work/item: “ **Refurbishment of F&A Department, KMC for one Window Operation.**”
4. Method of Procurement: **Single Stage (Two envelopes)**
5. Tender Published: **Daily Jang Karachi, Daily Dawn Karachi, Daily “Sarwan”**
Dated: 02-02-2016, 03-02-2016 and 03-02-2016 respectively.
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 of cost	Comparison with Estimated cost	Reasons for acceptance/rejections	Remarks
0	1	2	3	4	5	6
01	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, KMC.	

M/S

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1st

Rs. 20.00 Million

Through Competitive Bidding, Essential related Items required for Refurbishment of Finance & Accounts Department for ONE Window Operation, KMC.



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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
KHALID FAHIM KHAN

Director (IT) SWD
(Convener)
MUHAMMAD ABDUL NASIR

Director (IT), C&A
KAMAL AHMED SIDDIQUI

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. NAREES 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) **Up-gradation of I.T. Infrastructure (Hardware) 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 ADP # 397**

All three tenders was based on (02) two envelopes, 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) **Up-gradation of I.T. Infrastructure (Hardware) for IFMIS of F&A, KMC." ADP # 395**

- 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 "**INTEGRATED FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)**" is placed at Flag B.

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

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.)	
1	42 U OEM Rack, KVM and Console	1	632137	632137	
	Item				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 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				
2	4 U Rack Mounted Servers - DB / VMware Servers	2	4177343	8354686	
	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)
	Cache				30MB or higher
	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	RAID Controller SAS 12G with Raid Level 5/6 with 2GB cache				

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	Windows 2012 Server Software Licence (Qty = 2)	Standard Vetrision 64/32 bit support Open licences 25 x Client Access Licences Media Kit DVD			
	2 U Rack Mounted Servers -Application Servers				
4	Artitechture	64 Bit Intel Xeon Server	2	910986	1821972
	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 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			
	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 Server Software Licence.	Standard Vetrision 64/32 bit support Open licences 25 x Client Access Licences Media Kit DVD				
	Disk Storage System Storage Area Network (SAN)				
	Item	Description			
5	Architecture	16 Gbps or Higher SAN solution	1	3829073	3829073
	Cache	16 GB Cache (Battery Backed)			
	Storage Controller	Redundant Storage Controllers with Active- Active Configuration			
	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)			
	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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	Management Software			
	Warranty	Three Years comprehensive parts replacement warranty		
	Fibre Channel 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		
	Available Ports	24 x SFP 16Gbit/s, Multi Mode Fibre (MMF) 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.		
6	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		
	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		
7	Data Protection Hardware Appliance		1	2765592

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Cache	20 MB or higher			
Memory	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 Licences Media Kit DVD			
Dual Processor High end Workstation for Scanners				
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	512 GB			
Optical Drive	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			
Operating System Compatibility	Windows® 7 32 and 64 bit			
	Windows 8			
	Windows® XP			
	Windows® Server 2008 R2 and 2012			
	Linux			
Display	22 inch LED (Professional)			

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Optical Resolution	600 DPI (Output Resolution: 50 to 600dpi (adjustable by 1dpi increments), 1200 dpi.			
Output Format	Color: 24 bit, 8 bit/4 bit; Grayscale: 8 bit, 4 bit; Monochrome: 1 bit			
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			
ADF capacity	50 sheets (A4: 80g/m2 or 20lb) accepts document Thickness from 41 to 210g/m2 (11 to 56.2lb)			
Document size	ADF Minimum: A8 Portrait (52 x 74 mm) / Maximum: A3 (297 x 420 mm) , Long page scanning: 3,048 mm			
Daily Scan volume / capacity	4,000 sheets/day			
Features	Ultrasonic double-feed detection with advanced control. Advanced image processing in hardware with			
	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),			
	Image emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB			
Interface	USB 2.0			
Software	Scanner Central Admin Suite to monitor scanner running status and update scanner drivers from Central Console. · TWAIN and ISIS Drivers			
	· Batch scanning and PDF creation software			
	· Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint, Folder, Email, Print) includes			
	· Image Processing Software and 2D Barcode included			
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)			
Warranty	3 Years comprehensive on-site Warranty from Manufacturer			
13	Enterprise Backup Solution			
	Enterprise Backup Software for Virtual and Physical Machines	Symantec Netbackup or equal backup software	1	1360050
	Minimum Backup Agents	4 x Oracle on Linux ,4 x Windows 2008 Agent, 2 x Virtualization Backup Agents		1360050
Total				28,980,300

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 - Top signature: *David John*
 - Middle signature: *[illegible]*
 - Bottom signature: *[illegible]*
 - Further down: *[illegible]*
 - Bottom-most signature: *[illegible]*

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.)
1	WIRING/WIRING ACCESSORIES			
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 pipe in appropriate in wall, column or above false ceiling, including any wiring between switches on some circuit, complete in all respects.	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.	
	(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 Pakistan/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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	with motorized Screen.					
	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	No.	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 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	1241844	
4.9	LC-PITAIL Multimode	16	No.			
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
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.	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	1 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	1 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	1 Job	159805
8	Filing 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.	1 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	1 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	1 Job	103873

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20	WOODEN PARTITION WALL					
	Supply, making and Installation of wooden partition consisting of internal partial wood framing 24" x 24" with 1/2" MDF sheet pasted both side with appropriate size of grooves.	600	sft	I Job		191766
21	MS GRILL					
	Providing and fixing MS grills on existing Glass windows, made by 1/2 x 1/2 square bars with 6x6 c.c ll around 1x1 angles. Finished in paint. Complete in all respect.	400	sft	I Job		127844
	FURNITURE					
22	WORK STATION					
	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		1487783
23	OFFICERS DESK					
	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	I Job		135115
24	Providing staff visitors chairs as per design.chaister Make.	60	Nos	I Job		799024
25	Providing high back officers chairs.	20	Nos	I Job		527356
26	Providing waiting area single seater sofa.	15	Nos	I Job		207746
27	Providing and fixing of vertical / horizontal windows blind imported	500	sft	I Job		59927
28	Beautification and Designing of entrance wall of reception area.	1	job	I Job		95883
	Grand Total					22,486,632

- 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		
3	Fire Alarm Bell 6"	2	UK		
4	Sounder Flasher	2	UK		
5	Abort Switch	2	UK		
6	Wiring 2C x 1.5mm Fire Resistance Cable	1	JOB		
7	Installation, Testing & Commissioning	1	JOB		
	Sub Total				
2	Air Breathing Apparatus	1	UK		
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
3	CCTV				
3.1	Supply and Installation 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 Domo 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.		
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.		
4.8	Installation Charges With Testing, Commissioning & Training.	1	Job		
5	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
10 PAINT WORK						
10.1	Apply Paint Work in New and Existing Walls in Matt Finish Make ICI.	2000	Sq.ft		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" Porcelain 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 AREA						
13.1	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.			
14 G.I SHEET CLADDING						
14.1	Cladding / Covering of Outside Electrical, Data Communication cables and Air-conditioning piping	200	Sq.ft		226339	226339
15 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.)				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.					
	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.	2	Nos.		209103	418205

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19.1	<p>Precision cooling (12.5kW) inverter type comfort AC including indoor & outdoor unit Upflow Plenum, Power Supply 400V/3PH/50Hz, Refrigerant R407C.</p> <p>Designed for 24x7 operation</p>	2	No.		1504634	3009268
19.2	<p>Floor Standing Unit (2 ½ 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 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.</p>	2	No.		257679	515357
19.3	<p>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.</p>	4	No.		195000	780000
a,	<p>De-humidifier unit</p>	2 Nos.				
	Dehumidifier Features					
	<ul style="list-style-type: none"> • Adjustable Humidistat – A system that turns the dehumidifier on and off automatically to maintain a preset humidity level 					
	<ul style="list-style-type: none"> • Digital Display – A display of current relative humidity levels and settings 					
	<ul style="list-style-type: none"> • Automatic Shut-Off – A standard feature that shuts off the dehumidifier when the tank is full 					
	<ul style="list-style-type: none"> • 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 					
	<ul style="list-style-type: none"> • Automatic Defrost – A system that saves energy by automatically shutting off the unit if frost forms on the coils, preventing proper operation 					
	<ul style="list-style-type: none"> • Multi-Speed Fan – A type of fan that runs at slower speeds in less humid conditions, reducing noise and energy consumption 					
	<ul style="list-style-type: none"> • Built-in Pump – A system that allows you to run the drain hose up to a window, sink or elevated drain 					
	<ul style="list-style-type: none"> • 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. 					

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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)					
A	1 meter long Patch Cords.	10	No.		261.1	2611
B	3 meter long Drop Cords.	60	No.		510.7	30642
UPS for Data Center & NOC Equipment						
21	Data Center UPS Rackable with Redundant UPS Module					
a	20KVA-40KVA N+1, Scalable upto 100KVA 400V 3-Phase.	2	Sets		2446655	4893339
	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







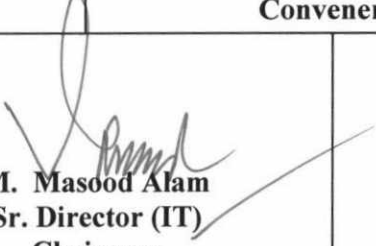
- The Committee recommended for purchasing the whole items as per BOQ Except **Item# 01,07,19.5, 19.6, 20.3 and 20.4a** In order to have meet the budgeted cost of the tender.

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

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	



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

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.
6. 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. No	Name of Firm	Years of Establishment	Projects Completed, attached completion certificate.	24 X 7 Customer Support	Maintenance of Project	Tier One Business & Service Partnership	Teams	Qualification with reputable Clients	Litigation History	Returns: Submission of Tax Returns	Compliance to installs the hardware with software in line with scope of work	Compliance to work to data centre. Attached proof	Working capital	Average gross revenue for the last 3 years in maintenance contracts of similar nature.	Total (100) Points
1	M/S ICL International Private Limited.	10	10	5	5	20	15	5	5	5	5	5	5	5	100

Sub Committee Members:-

- 1 Mr. Muhammad Ashraf (Incharge) Director, (Computer), F&A, KMC
- 2 Mr. Syed Zakir Abbas (Member) Addl: Director, I.T Deptt:
- 3 Mr. Jehangir Khan (Member) Program Officer, I.T Deptt:
- 4 Mr. Arif Khan (Member) Program Officer, I.T Deptt:
- 5 Mr. Muhammad Imran (Member) Dy. Director, (Computer), F&A KMC
- 6 Mr. Siddiqui Ashraf (Member) Dy. Director, (Computer), F&A KMC
- 7 Mr. Zakir Hussain (Member) Program Officer, I.T Deptt:

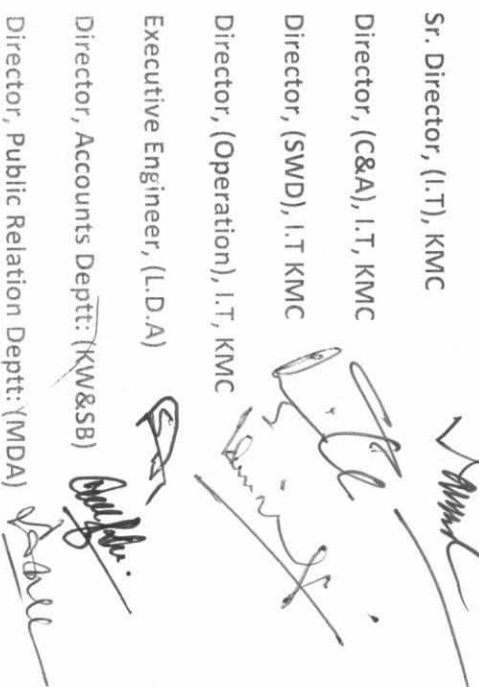
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Committee Members:-

- 1 Mr. Massod Alam (Chairman)
- 2 Mr. Kamal Ahmed Siddiqui
- 3 Mr. Muhammad Abdul Násir
- 4 Mr. Khalid Fahim Khan
- 5 Mr. Agha Nafees
- 6 Mr. Muhammad Nawaz Khan
- 7 Mr. Shahab ud din Sabir

SIGNATURE



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

Sr. No	Name of Firm	Years of Establishment of Firm	Projects Completed, attached completion certificate.	24 X 7 Customer Support	Maintenance of Project	Methodology -1	ISO 9000 Certified	Teams	Qualification with reputable Clients	Litigation History	Returns: Submission of Tax Returns	Compliance to installs the hardware with software in line with scope of work Attached Proof	Compliance to work to data centre. Attached proof	Working capital	Average gross revenue for the last 3 years in maintenance contracts of similar nature.	Total (100)
		10 Points	10 Points	5 Points	5 Points	20 Points	10 Points	5 Points	5 Points	5 Points	5 Points	5 points	5 points	5 points	5 points	5 points
1	M/s ICL International Private Limited.	10	10	5	5	10	10	3	5	5	5	5	5	5	5	88
2	M/s A.G Enterprises	5	5	N/A	N/A	N/A	N/A	3	2	5	5	N/A	N/A	2	2	29

Sub Committee Members:-

- 1 Mr. Muhammad Ashraf (Incharge) Director, (Computer), F&A, KMC
- 2 Mr. Syed Zakir Abbas (Member) Addl: Director, I.T Deptt: Program Officer, I.T Deptt:
- 3 Mr. Jehangir Khan (Member) Program Officer, I.T Deptt:
- 4 Mr. Arif Khan (Member) Program Officer, I.T Deptt:
- 5 Mr. Muhammad Imran (Member) Dy. Director, (Computer), F&A KMC
- 6 Mr. Siddiqui Ashraf (Member) Dy. Director, (Computer), F&A KMC
- 7 Mr. Zakir Hussain (Member) Program Officer, I.T Deptt:

SIGNATURE

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Committee Members:-

- 1 Mr. Masood Alam (Chairman) Sr. Director, (I.T), KMC
- 2 Mr. Kamal Ahmed Siddiqui Director, (C&A), I.T, KMC
- 3 Mr. Muhammad Abdul Nasir Director, (SWD), I.T KMC
- 4 Mr. Khalid Fahim Khan Director, (Operation), I.T, KMC
- 5 Mr. Agha Nafees Executive Engineer, (L.D.A)
- 6 Mr. Muhammad Nawaz Khan Director, Accounts Deptt: (KW&SB)
- 7 Mr. Shahab ud din Sabir Director, Public Relation Deptt: (MDA)

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








Sr. No	Name of Firm	Years of Establishment of Firm	Projects Completed, attached completion certificate.	24 X 7 Customer Support	Maintenance of Project	Methodology -1	ISO 9000 Certified	Teams	Qualification with reputable Clients	Litigation History	Returns: Submission of Tax Returns	Compliance to installs the hardware with software in line with scope of work Attached Proof	Compliance to work to data centre. Attached proof	Working capital	Average gross revenue for the last 3 years in maintenance contracts of similar nature.	Total (100) Points
1	M/s ICL International Private Limited.	10	8	0	5	5	10	2	5	5	5	2	2	5	5	69
2	M/s Computer Marketing Co. Private Limited	10	9	4	5	15	10	5	5	5	5	5	5	5	5	93

Sub Committee Members:-

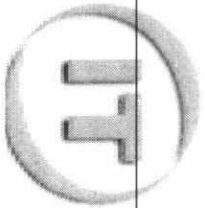
- 1 Mr. Muhammad Ashraf (Incharge) Director, (Computer), F&A, KMC
- 2 Mr. Syed Zakir Abbas (Member) Addl: Director, I.T Deptt: 
- 3 Mr. Jehangir Khan (Member) Program Officer, I.T Deptt: 
- 4 Mr. Arif Khan (Member) Program Officer, I.T Deptt: 
- 5 Mr. Muhammad Imran (Member) Dy. Director, (Computer), F&A KMC 
- 6 Mr. Siddiqui Ashraf (Member) Dy. Director, (Computer), F&A KMC 
- 7 Mr. Zakir Hussain (Member) Program Officer, I.T Deptt: 

SIGNATURE

Committee Members:-

- 1 Mr. Masood Alam (Chairman) Sr. Director, (I.T), KMC 
- 2 Mr. Kamal Ahmed Siddiqui Director, (C&A), I.T, KMC 
- 3 Mr. Muhammad Abdul Nasir Director, (SWD), I.T KMC 
- 4 Mr. Khalid Fahim Khan Director, (Operation), I.T, KMC 
- 5 Mr. Agha Nafees Executive Engineer, (I.D.A) 
- 6 Mr. Muhammad Nawaz Khan Director, Accounts Deptt: (KW&SB) 
- 7 Mr. Shahab ud din Sabir Director, Public Relation Deptt: (MDA) 

SIGNATURE



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)”

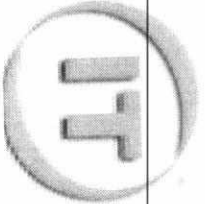
Tender for : “Up Gradation of IT Infrastructure (Hardware) for IFMIS of F&A, KMC

Opening of Technical Bid Dated : 19-02-2016

Attendance Sheet

(Tender Opening Committee)

S. No.	Name	Designation & Department	Telephone / Mobile	Fax# / Email Address	Initials
1	M. Masood Alam	Sr. Dir IT	0337 3421371	alam532@gmail.com	M 19/2/16
2	Kamuel Ahmed Siddiqui	Dir (IT)	0300-2711021		K
3	Kareem Rabin Khan	Dir (IT), KMC			K
4	Mohammad Aslam	Dir Computer Bd			M
5	M. A. NASIR	Dir (IT) KMC			M
6	Mohammad Naveed Khan	Dir- Accts officer	0300-2166152		M
7	S Nazim Awan	EE LNA	03002134262		S
8	Sheraz Khan	DDA			S



INFORMATION TECHNOLOGY DEPARTMENT

KARACHI METROPOLITAN CORPORATION (DEFUNCT CDGK)
2nd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IBAAL, 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
(Tender Opening Committee)

S. No.	Name	Designation & Department	Telephone / Mobile	Fax# / Email Address	Initials
01	M. Masood Alam	Sr. Dir. IT	0333932371	alam4370@gmail.com	M. Masood Alam
02	M. A. Nasir	Dir IT, KMC			M. A. Nasir
03	Khalid Farooq Khan	Dir IT, KMC			Khalid Farooq Khan
04	Mohd Akmal	Dir's Computer Opn's.			Mohd Akmal
05	Mohammad Naveed Khan	Dir Acc'ts Officer	0300-2166152		Mohammad Naveed Khan
6	S Nabeen Akbar	EE L D A B	03002134262		S Nabeen Akbar
7	Rana Asim Khan	DDP			Rana Asim Khan
08	Kamal Ahmed Siddiqui	Dir (I.T)	0300-2711021		Kamal Ahmed Siddiqui



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

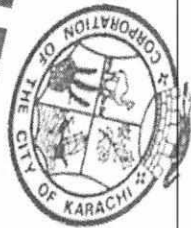
Attendance Sheet

(Tender Opening Committee)

S. No.	Name	Designation & Department	Telephone / Mobile	Fax# / Email Address	Initials
01	M. Masood Khan	Secy IT	021/9522071	almas4370@gmail.com	M. Masood Khan 19/2/16
02	M. A. NASSIR	Dir IT, KMC			M. A. NASSIR 19/2/16
03.	Kamrit Farid Khan	Dir (IT), KMC			Kamrit Farid Khan 19/2/16
04.	Mehrez Akram	Dir Corp. Plan (F&A)			Mehrez Akram 19/2/16
05	Mohammad Nawaz Khan	Dir Accts Officer KMC	0300-2166152		Mohammad Nawaz Khan 19/2/16
6	S. Nabeen Anjum	EE LDD	03002134262		S. Nabeen Anjum 19/2/16
7	Sanaullah Sar	DDA			Sanaullah Sar 19/2/16
8	Faraz Ahmad Siddiqui	Dir (IT)	0300-2711021		Faraz Ahmad Siddiqui 19/2/16



INFORMATION TECHNOLOGY DEPARTMENT



- "INTEGRATED FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)"**
 2nd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IBRAHIM, KARACHI
- Tender for "Data-Centre / Front End Lab Infrastructure Up Gradation / Expansion of F&A KMC."
 - Tender for Up gradation of IT Infrastructure (Hardware) for IFMIS of F&A, KMC.
 - Tender for Refurbishment of F&A Department (Hardware) for One Window Operation.

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

S. No.	Name	Designation & Department	Telephone / Mobile	Fax# / Email Address	Initials
01	M. Faraz Khan	Dir (IT)			
02	M. A. Nadeem	Dir (IT)			
03	M. A. Nadeem	Dir (IT)			
04	M. A. Nadeem	Dir (IT)			
05	M. A. Nadeem	Dir (IT)			
06	M. A. Nadeem	Dir (IT)			
07	M. A. Nadeem	Dir (IT)			
08	M. A. Nadeem	Dir (IT)			
09	M. A. Nadeem	Dir (IT)			
10	M. A. Nadeem	Dir (IT)			
11	M. A. Nadeem	Dir (IT)			
12	M. A. Nadeem	Dir (IT)			
13	M. A. Nadeem	Dir (IT)			
14	M. A. Nadeem	Dir (IT)			
15	M. A. Nadeem	Dir (IT)			
16	M. A. Nadeem	Dir (IT)			
17	M. A. Nadeem	Dir (IT)			
18	M. A. Nadeem	Dir (IT)			
19	M. A. Nadeem	Dir (IT)			
20	M. A. Nadeem	Dir (IT)			

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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. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.	
1	42 U OEM Rack, KVM and Console				
	Item	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 Doors	Should be included	1	632,137	632,137
	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			
2	4 U Rack Mounted Servers - DB / VMware Servers				
	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)			
	Cache	30MB or higher			
	Memory	256 GB DDR4 DDR4-2133 R ECC along with 4 x Memory Board	2	4,177,343	8,354,686
	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				



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. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
1	42 U OEM Rack, KVM and Console			
	Item	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 Doors	Should be included	1	632,137
	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		
2	4 U Rack Mounted Servers - DB / Vmware Servers			
	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)		
	Cache	30MB or higher		
	Memory	256 GB DDR4 DDR4-2133 R ECC along with 4 x Memory Board	2	4,177,343
	Optical Drive	Internal DVD-RW super multi slim line SATA		
	Hard Drives	3 x SAS 12G 6000GB 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			
				8,354,686











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. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
5.	Power Supply			
	FAN			
	Management Controller			
	Management Software			
	RMK			
	Warranty			
	Quantity			
	Virtualization Software			
	Virtualization Management Server Software			
	Linux Server License			
Linux Support	4x Hot Pluggable Redundant Power Supplies with N+1 Failover Redundant Hot Pluggable FAN Integrated Remote Management Controller Should include Server Management Software with advance functionalities including Local and Remote Monitoring, Pre-Failure Alerts and Diagnostic. Rack Mounting Kit with cable management and Accessories 3 Years comprehensive on-site Warranty from Manufacturer 2			
	VMWare vSphere 6.0 enterprise for 4 processors (Qty = 2)			
	VMWare vCenter 6.0 Standard (Qty = 1)			
	Redhat enterprise Linux Server 6.0 for 4 processors (Qty = 4)			
	Three year Premium Support Subscription for Redhat enterprise Linux 6.0			
3	2 U Rack Mounted Servers -DB DR Servers			
	Architecture	64 Bit Intel Xeon Server		
	Chipset	Intel® C612		
	Processor	2 x Intel Xeon E5-2630V3 8C/16T 2.40 GHz or higher	2	979,541
	Cache	20 MB or higher		
	Memory	128 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		








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. NO	Description	Total Qty	Unit Price In Rs.	Total Amount In Rs.	
4	Raid Controller				
	Network				
	FC Controller				
	Power Supply				
	FAN				
	Management Controller				
	Management Software				
	RMK				
	Warranty				
	Windows 2012 Server Software License (Qty = 2)				
	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	2	910,986	1,821,972	
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				








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. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.	
5	FC Controller	1	3,829,073	3,829,073	
	Power Supply				
	FAN				
	Management Controller				
	Management Software				
	RMK				
	Warranty				
	Windows 2012 Server Software License.				
	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				
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)				
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				








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. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
	Raw Storage	6 x		
	Server Access Licenses			
	Modular Design			
	Multipath Software			
	Power & Cooling			
	Rack Rails			
	Expandability			
	Supported NAS protocols			
	Point-in-Time Copy			
	Storage Tiering			
	Thin Provisioning			
	Storage Virtualization			








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. NO	Description	Total Qty	Unit Price In Rs.	Total Amount In Rs.	
5.	different physical storage				
	Storage subsystem should be provided with automatically Policy based Sub-Lun Data Migration from one Set of drive Tier to another set of drive tier with Industry standard Auto Tiering Technology.				
	Performance and Quality				
	Offered storage array shall be provided with quality of service feature or any alternative method				
	of service				
	Supplied Hardware should be provided with SAN to SAN Replication software.				
	SAN to SAN Replication				
	The Proposed Storage Shall support Synchronous and Asynchronous replication.				
	Storage Array				
	Shall provide Storage Array configuration and Management Software.				
6	Configuration & Management Software				
	Warranty				
	Three Years comprehensive parts replacement warranty				
	Fiber Channel 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	2	1,873,852	3,747,704
	Available Ports	24 x SFP 16Gbit/s, Multi Mode Fibre (MMF) 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				




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. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
7	ISL Trunking Support	1	2,765,592	2,765,592
	Media types support			
	Supported O/S			
	Management access			
	Security			
	Supported management software			
	Power Supply			
Warranty	3 Years comprehensive on-site Warranty			
Data Protection Hardware Appliance				
Form Factor	2U /4U	1	2,765,592	2,765,592
Architecture	Should have a Modular Design			






KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement **M/s. JCL International (Pvt.) Ltd**

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
8	Features			
	Available Ports			
	Performance			
	Disk Capacity			
	Supported Protocols			
	Virtual Tape Drives			
	Tape Drive and Library Emulation with VTL			
	De-Duplication and Replication required			
Supported O/S				
Management Software				
Warranty				
Tape Library				
Form Factor	1U/2U			
Architecture	Ultra-compact product with up to 8 slots and one LTO drive in a single height unit Support of LTO-5 / LTO-6 HH drive	1	850,169	850,169








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. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
9	Barcode reader			
	Remote management utility and user friendly operator panel			
	Cartridge			
	8 xLTO-6 Cartridges, 1x Cleaning Cartridge			
	Connectivity			
	Fiber Channel 8 Gbps			
	Supported Protocols			
	Should Support multiple O/S with all leading backup software like EMC networker, Symantec, Commvault etc			
	Management			
	Should have GUI / web based management for administration and Configuration			
Software	Remote management utility and user friendly operator panel			
Warranty	3 Years Comprehensive On-site Warranty from Manufacturer			
2 Way Rack Mounted Servers - Scanner Application Servers				
Architecture	64 Bit Intel Xeon Server			
Chipset	Intel® C612			
Processor	2x Intel® Xeon® processor E5-2630v3 (8C/16T, 2.40 GHz, TLC: 85 W) 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 15 K 2.5 inch Enterprise Hot Plug	2	910,986	1,821,972
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	Integrated Remote Management Controller			









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. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
	Controller			
	Management Software			
	RMK			
	Warranty			
	Windows 2012			
	Software License (Qty = 2)			
	Should include Server Management Software with advance functionalities including Local and Remote Monitoring, Pre-Failure Alerts and Diagnostic Rack Mounting Kit with cable management and accessories			
	3 Years comprehensive on-site Warranty from Manufacturer			
	Standard Version 64/32 bit support Open licenses			
	25 x Client Access License Media Kit DVD			
	Dual Processor High end Workstation for Scanners			
	64 Bit Intel Xeon Server - Dual Processor Machine			
	Intel C612			
	1 x Xeon E5-2630 v3 2.40GHz 20 MB Turbo Boost (Upgradeable upto upto 2 processors)			
	2 x Dual 2.0GB NVIDIA Quadro® 600			
	64 GB DDR4- 2133 rg ECC			
10	Memory Maximum Support	2	363,460	726,920
	512 GB			
	Internal DVD-RW supermulti SATA			
	Optical Drive			
	Total drive Bay support			
	Upto 12 Drive bays (Internal and External)			
	Hard Drives			
	2 x 600GB 15k SAS 12 GB/s Hard Drives			
	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			

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KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

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

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

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.	
11	Mouse and Keyboard				
	Software and accessories				
	Operating System Compatibility				
	Display				
	Warranty				
	Quantity	2			
	Desktop Operating System Software required				
	High end Scanner (Flat Bed + ADF)				
	Type	Simplex Flatbed Scanner			
	Optical Resolution	600 DPI (Output Resolution: 50 to 600dpi (adjustable by 1dpi increments), 1200 dpi.			
	Output Format	Color: 24 bit, 8 bit/4 bit; Grayscale: 8 bit, 4 bit; Monochrome: 1 bit			
Scanning Speeds	Colour : Simplex: 30 ppm and Duplex: 60 ipm at (200 dpi / 300 dpi) Grayscale : Simplex: 40 ppm and Duplex: 80 ipm (200 dpi)	2	352,207	704,414	
ADF capacity	50 sheets (A4: 80 g/m 2 or 20 lb) (Active loadable ADF)				
Document size	ADF Minimum: A8 Portrait (52 x 74 mm) / Maximum: A3 (297 x 420 mm), Long page scanning: 863 mm				

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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. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.			
12	Ultrasonic double-feed detection with advanced control. Advanced image processing in hardware with color graphics adapter (CGA), dual control panels	2	203,264	406,528			
	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),						
	Image emphasis, Simplified DTC, Advanced DTC, IDTC, sRGB						
	Interface USB2.0 / USB1.1						
	Daily Duty Cycle Up to 4,000 documents per day or higher						
	Scanner Central Admin Suite to monitor scanner running status and update scanner drivers from Central Console. . TWAIN and ISIS Drivers						
	Software . Batch scanning and PDF creation software . Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint, Folder, Email, Print) includes						
	Operating System . Image Processing Software and 2D Barcode included 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)						
	Warranty 3 Years comprehensive on-site Warranty from Manufacturer						
	High end Scanner ADF (Automatic Document Feeder)						
	Type Duplex ADF (Automatic Document Feeder) Scanner						
	Optical Resolution 600 DPI (Output Resolution: 50 to 600dpi (adjustable by 1dpi increments), 1200 dpi.						
Output Format Color: 24 bit, 8 bit/4 bit; Grayscale: 8 bit, 4 bit; Monochrome: 1 bit							
Scanning Speeds Simplex : Scans up to 30 ppm in colour , Duplex: 60 ppm in color and monochrome at							

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

KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

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

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
	200 to 300 dpi			
	Simplex: Scans up to 40 ppm in grayscale , Duplex:80 ppm in grayscale and monochrome at 200 to 300 dpi			
	ADF capacity			
	50 sheets (A4: 80g/m2 or 20lb) accepts document Thickness from 41 to 210g/m2 (11 to 56.2lb)			
	Document size			
	ADF Minimum: A8 Portrait (52 x 74 mm) / Maximum: A3 (297 x 420 mm) , Long page scanning: 3,048 mm			
	Daily Scan volume / capacity			
	4,000 sheets/day			
	Ultrasonic double-feed detection with advanced control. Advanced image processing in hardware with			
	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),			
	Image emphasis, Simplified DTC, Advanced DTC, iDTC, sRGB			
	Interface			
	USB 2.0			
	Scanner Central Admin Suite to monitor scanner running status and update scanner drivers from Central Console.			
	· Batch scanning and PDF creation software			
	· TWAIN and ISIS Drivers			
	· Easy one button scanning (Scan to: Word, Excel, PowerPoint, SharePoint, Folder, Email, Print) includes			
	· Image Processing Software and 2D Barcode included			
Software				

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**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. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
	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)			
	Warranty 3 Years comprehensive on-site Warranty from Manufacturer			
	Enterprise Backup Solution			
13	Enterprise Backup Software for Virtual and Physical Machines Symantec Net backup or equal backup software	1	1,360,050	1,360,050
	Minimum Backup Agents 4 x Oracle on Linux , 4 x Windows 2008 Agent, 2 x Virtualization Backup Agents			
	Total			28,980,300

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

Signature
Saeed (P.R.)
(8479477002) (0570) 800012

Signature
KUMAR AHMED SIDDIQI
S Naqees Azma
EE 215A
Muhammad Hussain
ATA Kotsab

Signature
M.A. NASIR
Dir IT, KMC

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KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

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

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

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
1	WIRING/WIRING ACCESSORIES			
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 pipe in appropriate in wall, column or above false ceiling, including any wiring between switches on some circuit, complete in all respects.	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.	
	(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 Job			
			2,860,747	2,860,747



KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
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 Pakistan/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.			
	a, 25mm Dia	2000	Rft	
	b, 32mm Dia	1000	Rft	
1	Distribution board with M&G or HAGAR (FRANCE) circuits breakers, recessed type as per specifications.			
	a: DB - E (for Normal Power)	1	No.	
	b: DB - C (Computer System)	2	No.	
	c: DB - AC (Aircondition System)	2	No.	
1.1	Supply and installation of pull boxes size 12"x12" in M/S sheet complete.	6	No.	

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KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
1.1	Supply and Installation of 18" x 4" size of Technology Box made with 18 SW/G 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" x 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.	114,101
2.2	13A, Flat Pin 3-pin switch Socket Unit	120	No.	
3	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.	2166954
3.3	Supply and installation of M100 4" dia down lighter with 1 x 14W PLC lamps Philips complete.	30	No.	

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KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
3.4	Providing and Installing of Exhaust fan 12" sweep Melamine deluxe model with maximum air displacement both outward and inwards as required automatic shutter for fly mosquito proofing when turned off (Airguard / Voldam Fan).	4	No.	
3.5	Providing and Installation of Wall mounted bracket fan plastic body.	20	No.	
3.6	Committee Room Up-Gradation of existing committee Room with Multimedia Projector (over head assy), 5000 Lumens Resolution full HD branded with motorized Screen. Split Air conditioner tower 4 tons. With complete installation , materials & matching stabilizers	1 2	Set Set	
4	COMPUTER SYSTEM 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	No.	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	



KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price In Rs.	Total Amount In Rs.
	and schematic diagrams. Work includes all terminations, management and tagging at both ends.			
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	
4.9	LC-PI/TAIL Multimode	16	No.	
4.1	Charges for Splicing of Fiber Cores	16	No.	
4.1	8-Port, 19 inch Optical Fiber Patch Panel, Flush Mount, 1 RU 3M Make. complete in all respect.	4	No.	
4.1	Factory Certified Optical Fiber SC to SC type patch cords having following lengths for interconnection of core switches / infrastructure cabling 3M Make.	16	No.	
			1 Job	
				1,241,844
				1,241,844

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KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT
Tender : Refurbishment of Finance & Accounts Department, KMC for One Window Operation

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
5	HVAC WORK			
5.1	Supply of Split decorative wall mounted type Air Conditioning Units (2.0 Ton Cool Only) including indoor evaporator & outdoor condensing unit, operated at 230 v,50 HZ, single-phase with following features complete in all respect.	8		
		1 Job	1,441,919	1,441,919
5.2	Installation of Air-Conditioning Units, complete in all respect ready to operate with vibration isolator, piping work complete in all respect.	8		
		No.		
5.3	Supply and Installation of refrigerant piping with expanded rubber foam insulation protected with gray tape, gas charging if required. Control wiring with the provision of inside or outside power supply PVC insulated copper cable in PVC conduit (Make: Pakistan cable, Newage, AGE) between internal and external units, complete in all respect. (R.ft.)	800		
		Rft		
5.4	Supply & installation of Size: 3/4" & 1" dia (R.ft.) PVC hard pipe class-D-condensate drain from indoor unit to nearest drain point complete with traps, fittings, etc., as shown on drawings and approved by the consultant. Pipe Make: Beeta, Popular Pipe.	350		
		No.		
5.5	Supply & installation wall mounted angle iron frame (8mm x 40mm), duly galvanized and painted for placing of condensing units. Details to be approved by the consultant prior to installation.	8		
		No.		
2	DISMANTLING			
	Dismantling of Aluminum partitions, cc walls, cheesing of wash room tiles	1		
		Job		
		1 Job	55,932	55,932










KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.		
	etc. Contractor will dismantle with proper care and dispose off all unusable materials / debris away from out side municipality limit. The useable material 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.	4000	Sft	1 Job	351,571	351,571
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.	12,000	Sft	1 Job	2,301,190	2,301,190
5	SKIRTING Providing and installation, in position where required, tile skirting as per drawing complete in all respects.	3,000	Rft	1 Job	527,356	527,356
6	DMS Room					

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KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
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.	1	151,815	151,815
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	159,805	159,805
8	Filing 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	351,571	351,571
9	Iron Door for DMS Room (Imported)			
	Provide and installation of Heavy Duty Iron Door with metal frame and Metal Body Locks & Handles.	2	11,186	11,186
	WOOD WORK			
10	DOORS			
	Providing and fixing polish finened flush doors, with new wooden frame, lippling on all sides of the door with fitting, door looks, high quality hinges, etc. Complete in all respects.	10	103,873	103,873
11	WASH ROOMS			

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INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.		
12	Making new wash room with new tile of Master 8"x8" on walls upto 5'-0" high 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	8	Nos	1 Job	703,141	703,141
13	WASH ROOM DOOR					
13	Providing and fixing Formica finished flush doors, size 2-6x7-0, lipping on all sides of the door with fittings, door locks, high quality hinges, etc. Complete in all respects.	8	Nos	1 Job	44,754	44,754
13	KITCHEN CABINETS					
14	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, hinges, catches, locks, handles and other all accessories are the part of job, anti termite treatment etc. Complete in all respects.	10	sft	1 Job	119,854	119,854
14	FULL HEIGHT WOODEN CABINETS					
15	Providing and fixing new full height wooden cabinet for store room. 18" deep 8'-0" high, Formica finished including locks & handles. Complete in all respect.	750	Sft	1 Job	275,663	275,663
15	GLASS WORK					
	Glass partition: Providing and fixing 12 mm thick half glass partitions, half wooden 3" thick without doors and frosted film, complete in all respects.	1,050	sft	1 Job	1,342,361	1,342,361

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KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.		
16	Glass Door: Providing and fixing 12 mm thick clear glass door with bottom and wooden channel polish including all necessary fittings, SS handles, locks, floor mounted machine. complete in all respects	378	sft	1 Job	513,453	513,453
17	Polishing of existing wall cladding and doors by same finish.	2,500	sft	1 Job	259,683	259,683
18	PAINTING.					
19	Providing and painting by plastic paint on walls of desired color and shade of ICI / Berger, surfaces with putline. Complete in all respects.	20,000	sft	1 Job	1,118,634	1,118,634
20	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	sft	1 Job	2,157,366	2,157,366
21	WOODEN PARTITION WALL					
	Supply, making and Installation of wooden partition consisting of internal partial wood framing 24" x 24" with 1/2" MDF sheet pasted both side with appropriate size of grooves.	600	sft	1 Job	191,766	191,766
	MS GRILL					
	Providing and fixing MS grills on existing Glass windows, made by 1/2 x 1/2 square bars with 6x6 c.c ll around 1x1 angles. Finished in paint. Complete in all respect.	400	sft	1 Job	127,844	127,844
	FURNITURE					

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KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
22	WORK STATION 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 1,487,783	1,487,783
23	OFFICERS DESK 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 135,115	135,115
24	Providing staff visitors chairs as per design. chaister Make.	60	Nos 13,967	799,024
25	Providing high back officers chairs.	20	Nos 26,178	527,356
26	Providing waiting area single seater sofa.	15	Nos 13,816	207,746
27	Providing and fixing of vertical / horizontal windows blind imported	500	sft 11,844	59,927
28	Beautification and Designing of entrance wall of reception area.	1	job 95,883	95,883
	Grand Total			22,486,632

Rupees in Words: Twenty Two Million Four Hundred Eighty Six Thousand Six Hundred Thirty Two Only

Special Provision
(SARFARAZ KHAN)
Back (P.R.)

Abul Mu. Khan
Nadeem Khan
DAO (C-45)

Waqar Azeem
E E LDA

KAMRUL AHMAD
51001001
Director of Planning
I-T Dept
M. Raza



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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 Statement M/s. Computer Marketing Co. (Pvt.) Ltd

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
1	Fire Detection & Suppression System for Server Room			
A	<u>Data Center Size: 16' x 19' x 11'</u>			
1	MODULAR CYLINDER pressurized with nitrogen charge pressure of 25bar. Equipped with valve & accessories.			
2	Kg of extinguishing agent FM200	1	UK	
3	Electrical Actuator	60	KG	
4	Cylinder Bracket	1	UK	1,011,040
5	Caution Sign	1	UK	1,011,040
6	Brass Nozzle 360°	1	UK	
7	Pipe Network Sch-40 & Installation	1	UK	
A	<u>Power Room Size: 16" x 12' x 11'</u>	1	JOB	
1	MODULAR CYLINDER pressurized with nitrogen with a charge pressure of 25bar. Equipped with valve, built with brass.	1	UK	
2	Kg of extinguishing agent FM200	36	KG	788,705
3	Electrical Actuator	1	UK	788,705

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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 Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
4	Cylinder Bracket	1	UK	
5	Caution Sign	1	UK	
6	Brass Nozzle 360°	1	UK	
7	Pipe Network Sch-40 & Installation	1	JOB	
B	Detection System			
1	Extinguishing Agent Releasing Panel with Batter Backup.	2	UK	
2	Smoke Detector with Base	10	UK	
3	Fire Alarm Bell 6"	2	UK	
4	Sounder Flasher	2	UK	
5	Abort Switch	2	UK	
6	Wiring 2C x 1.5mm Fire Resistance Cable	1	JOB	
7	Installation, Testing & Commissioning	1	JOB	
	Sub Total			
2	Air Breathing Apparatus	1	UK	
3	Fire Extinguisher CO2 Type 5-KG	4	UK	
		1		700,607
				700,607

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INFORMATION TECHNOLOGY DEPARTMENT


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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
2	CABLE TRAY Supply and Installation of 8" x 3" size of Cable Tray Powder coated without cover.	340	1706	580125
3	CCTV Supply and Installation 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.	
3.1	Providing Licensed (CMS) IP (LAN / WAN) Remote Viewing Software for 01 ~ 64 Cameras Complete with all respects..	1	No.	1,010,691
3.2	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.	
4.3	Licensed Powerful In / Out & Time Attendance Software.	1	No.	63,026
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.	
				252,107







KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
4.6	Power Supply 12VAC, 3AMP For UPS Backup.	4		
4.7	Proximity Card ISO Standard Size and Thickness, Thin, Flexible Polyvinyl Chloride Laminated, Passive Type, easy Printable on Both Sides.	50		
4.8	Installation Charges With Testing, Commissioning & Training.	1		
5	<u>TEMPERATURE HUMIDITY AND WATER SENSOR SENSAPHONE WEB600 Made in USA</u>			
5.1	Temperature and humidity controller LAN BASED ALERT ON EMAILS.	2		
5.2	Digital temperature	10		
5.3	Digital humidity sensor	10		
5.4	Water detector	3		
5.5	It Should allow data center administrators to combine monitoring of the equipments, environment and safety of the facility altogether.		1,112,339	2,224,678
	<input checked="" type="checkbox"/> Offers a user-friendly GUI to set up and manage data center infrastructure appliances			
	<input checked="" type="checkbox"/> Real-time monitoring on environmental, power, cooling, and security in data center			
	<input checked="" type="checkbox"/> Video surveillance supports video recording/back			










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INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
	up/replaying/picture capturing/voice transmission/timed recording and recording action triggered by alarm			
	Room access control management			
	Relay actions triggered by alarm or events			
	Alarm notification by Email, SMS			
	Report and analysis on data center/device operation; PUE statistics			
	CIVIL & ALLIED WORK			
6	DISMANTLING WORK			
6.1	Aluminum Partition			
6.2	Existing Walls			
6.3	Existing Lights & Electrical Wiring/ Cable Tray Etc.	1	206,317	206,317
7	NEW PARTITION			
7.1	New Aluminum Glass Partition Wall with 12mm thick Glass for Data Center			
	New Aluminum Glass Partition Wall with 12mm thick Glass for NOC Area.	270	813,516	813,516
8	DOORS	175	813,516	813,516

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INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
8.1	New 12mm thick Glass / Wooden Door with locks, handle with door closer.	4	61,808	247,232
8.2	Fire Proof Emergency Metal Door in Data Center.	2	138,763	277,526
9	BLOCK MASONARY WORK			
9.1	Closing the exiting Door/ Windows with new block masonry wall including with both side plaster.	100	365,625	365,625
10	PAINT WORK			
10.1	Apply Paint Work in New and Existing Walls in Matt Finish Make ICI.	200	613,728	613,728
10.2	Anti-Dust paint on floor. 4 coats	0		
11	FLOOR TILES			
11.1	Providing and Laying of 16"x16" Porcelain Tiles UAE Brand in NOC Area.	650	731.25	402,187
12	WINDOW BLINDS			
12.1	Providing and Fixing of Vertical/Horizontal Windows Blinds Imported.	550	261.16	39,174
13	FURNITURE FOR NOC AREA			
13.1	NOC Console furniture, imported with high back lift chairs L shape (for DBA etc. and directly associated equipment, like PC, printer, etc	150	259,426	259,426

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
13.2	Executive Tables with Chairs.	1		
<u>14</u>	<u>G.I SHEET CLADDING</u>			
14.1	Cladding / Covering of Outside Electrical, Data Communication cables and Air-conditioning piping	200	Sq.ft	226,339
<u>15</u>	<u>POWER WIRING FOR DATA CENTER</u>			
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.	150	Rft.	
		0		
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.	723,415
				723,415
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.	
	MAIN POWER SYSTEM FOR DATA CENTER			
16	Supply , installation, testing and commissioning of following distribution panels in accordance with the attached single line diagrams and layout			

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INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
16.1	<p>The ATS Panel shall comprises of main incoming circuit breakers for KESC and DG Set including Auto Phase Correction for KESC Supply via magnetic contractors of appropriate rating plus Phase Failure - Phase Reversal Relay with manual by pass using dual change over units of equal rating. After auto phase correction, the ATS Panel shall have two sections for dual path. Each section will have ATS for auto switching between KESC and Generator with manual over ride via change overs. It includes a main incoming and two outgoing circuit breakers of same rating for generator supply to ATS units. The outgoing chamber of each section shall have two circuit breaker for UPS supply with an spare of same rating as well as a bus coupler between two sections for manual operation, interlocked with each other. Also the outgoing section have a circuit breaker to receive power from UPS and interlocked with the other breaker for UPS by pass. Each incoming circuit breaker shall have a shunt trip induced by an external emergency power shut down system. Item includes digital panel monitoring for local and remote monitoring. (S.A ELECTRIC, HUSSAIN & CO, TAJ ENGINEERING MAKE,</p> <p>ATS Panel</p>	2	191,517	383,035









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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
	AREVA MAKE.)			
	UDB-A & B			
16.2	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.)	2	No.	194,651
				389,303
16.3	DBC - (User Power)			
16.4	DB-E (Lighting + Normal Power)	1	No.	127,795
				127,795
16.5	DB-AC (Air Condition Power)	1	No.	127,795
	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	No.	127,795
16.6	a, 4 x 95 sqmm	200	Rft	2,245
				449,047

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
	b, 4 x 35 sqmm	100 Rft	957.58	95,758
	GROUNDING & BONDING			
17	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.	2 Nos.	209,103	418,205
17.2	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.	2 No.		
17.3	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.	300 Rft		
18	LIGHTING SYSTEM FOR DATA CENTER			



KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
18.1	Supply and installation of concorde LED Panel light set complete with all respects.	20		
18.2	Supply and installation of Exit Light Menvier Make Imported.	2		
18.3	Supply and installation of Emergency Light 2'x2' size with Kit Make Imported.	2		
18.4	Circuit wiring from DB to switch board with 2x2.5 sqmm + ECC 1x2.5 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.	3		
18.5	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.	15	988,424	988,424
18.6	Same as Item # 3 wiring from point to point	15		
18.7	Supply and installation of switches Clipsal Including Ms back box complete. a: Three gang b: Four gang	1 2	No. No.	
19	AIR-CONDITIONING, SUPPLY & INSTALLATION. Providing, Installation, testing and Commissioning of following air-conditioning units for server room, Power room, NOC area, Meet me Room,			

Handwritten signatures and initials:
A signature at the top left.
Initials 'M/K' in the middle.
A signature 'Javed' at the bottom left.
A signature 'Singh' at the bottom right.



KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
	reception area & Front Lab etc.			
19.1	<u>Precision cooling (12.5kW) inverter type comfort AC</u> including indoor & outdoor unit Upflow Plenum, Power Supply 400V/3PH/50Hz, Refrigerant R407C. <u>Designed for 24x7 operation</u>	2	No.	
	<u>Floor Standing Unit (2 ½ Ton) inverter type comfort AC</u> (Cool only) 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.	1,504,634
				3,009,268
19.2	<u>Wall mount Unit (2.0 ton) inverter type comfort AC</u> (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
	<u>De-humidifier unit</u>			780,000
	Dehumidifier Features			
a,	<ul style="list-style-type: none"> Adjustable Humidistat – A system that turns the dehumidifier on and off automatically to maintain a preset humidity level Digital Display – A display of current relative humidity levels and settings 	2	Nos.	









KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
19.4	<ul style="list-style-type: none"> • Automatic Shut-Off – A standard feature that shuts off the dehumidifier when the tank is full • 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. <p>Ultrasonic Electronic Rodent Control</p> <p>For Datacenter Covers independently each areas of Server room, Power room, meet me room, NOC area etc. through multiple transducers.</p>	1	set 43,527	43,527







KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
19.5	Cisco WS-C3750X-24P-S Catalyst 3750X 24 Port Poe Switch.	4	945,653	3,782,610
19.6	Cisco WS-C3750X-48T-S 3750X Series Catalyst Switch	1	1,486,025	1,486,025
19.7	NOC area Smart LED Monitor for database, system, network, datacenter management tools, surveillance and other monitoring etc..	4	Nos.	130,580
	40 inch 3D smart LED Monitor with built-in Wi-Fi, Android or Windows Operating System			
	2 to 4GB Built-In Memory, USB Play port			
	Cable TV port, RF port, HDMI port, VGA port			
	Full HD 1080			
19.8	Isolation Transformer, 3 Phase, 50KVA	1	No	304,688
	Stabimatic or Equivalent.			
19.9	Automatic Voltage Regulator, 3 Phase, 50KVA, Servo controlled, Stabimatic or Equivalent.	1	No	348,214
<u>20</u>	<u>COMPUTER SYSTEM OF DATA CENTER</u>			
20.1	Category 6, UTP cables, for inter rack communication system from distribution rack to each rack in already installed communication cable trays as shown in the drawings and schematic diagrams. Work includes all	400	Rft	29
				116,000

Handwritten signatures and initials: *sk*, *M/Ni*, *SK*, *Signature*, *Signature*



KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

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

Comparative Statement

S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
20.2	terminations, management and tagging at both ends. 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. (Systimax Make)	8	52,233	417,858
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 click-ins, labels, jacks etc. Complete in all respects with cable identification tags.(Systimax Make)	50	1,045	52,232
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)			
A	1 meter long Patch Cords.			
B	3 meter long Drop Cords.	10	261.1	2,611
		60	510.7	30,642
UPS for Data Center & NOC Equipment				
21	Data Center UPS Rackable with Redundant UPS Module			
a	20KVA-40KVA N+1, Scalable upto 100KVA 400V 3-Phase.	2	2,446,655	4,893,339

Handwritten signatures and initials:
 [Signature] [Signature] [Signature] [Signature]

(2)

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.



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.

DEA

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 Rule-31(2) 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 used 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 ^{of lowest evaluated bid is more than} ~~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).

Cont: Next Page...

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)

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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

3/8

71

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

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

72

It is submitted that I.T. Department KMC has sent an NIT of Finance & Accounts Department, KMC for their subject schemes (reflected in I.T. department's budget) vide letter no: 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 kind perusal

73

Subsequently the technical bids were opened on 19/02/2016 and financial bids of the technically qualified firm(s) were opened on 31/03/2016 by the tender purchasing committee after fulfilling the necessary codal formalities. And the technical and financial Bid Evaluation Report (BER) was also sent to the SPPRA on 13/05/2016 vide no KMC/Sr. Dir/IT/2016/227 accordingly.

74

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.

76

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".

77

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.

Director IT

IT Department, KMC

78

Sr. Director (IT), KMC

79

MC - KMC

80

Administrators KMC

3/8/16
MC/Sr. Dir IT



No. A.D(A-III)/SPPRA/299(26360-KMC)/2015-16/ 9813

GOVERNMENT OF SINDH
SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY
Karachi, dated the 31 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:-

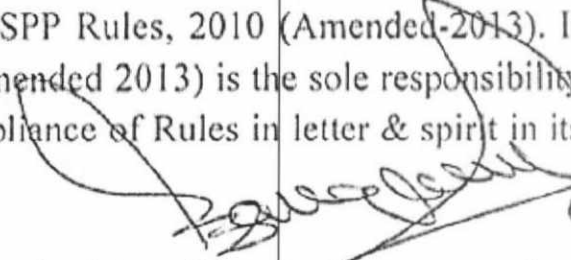
- i. The Procuring Agency (PA) is advised to furnish approval of Head of Department for constitution of Procurement Committee as per SPP rules.
- ii. As per Rule-31(2), the complaint redressal committee shall be headed by the head of procuring agency or an official of the procuring agency, at least one rank senior to the head of the procurement committee and as per Rule-31(2) of SPP Rules, 2010 (Amended 2013).
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- 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 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 Pact in terms of Rule-89 of SPP Rules, 2010 (Amended 2013).

PD
M. Nazir

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26/16

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.

5/8

NOTE SHEET

6/8

Paras

(01)

Reference

Sub: Approval for the Constitution of a Procurement Committee as per SPPRA Rules-7 for Information Technology Department, KMC for the financial year 2015-16.

01/

A purchase committee to be constitute as per SPPRA Rules-7 (Constitution of a Procurement Committee) for Information Technology Department, KMC for the financial year 2015-2016.

02/

The name of the proposed Purchase / Technical team as follows:

Members from the Procuring Agency:

1. Mr. Muhammad Masood Alam, E: sting Sr. Director (IT), KMC
2. Mr. Kamal Ahmed Siddiqui Director (IT), C&A KMC
3. Mr. Muhammad Abdul Nasir Director (SWD), IT, KMC
4. Mr. Khalid Fahim Khan Director (Operation & Networks), IT, KMC

Members from other Procuring Agency or Department:

5. Mr. Shahab uddin Sabir Director, Public Relation Deptt. M.D.A.
6. Mr. Agha Nafees Executive Engineer, L. D. A.
7. Muhammad Nawaz Khan Director (Accounts Department), KW&SB

03/

It is stated that approval of the competent authority is required as per SSPRA-Rules -7 to constitute a Purchase committee as mentioned above at Para 1-3/n.

Director (IT)

04/

Senior Director (IT), KMC.

05/

MC / Alank

Para 3. p. 1

27 x 15

06/

AMC

30/1/12

30/1/11

67

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99231305

99231306

edit@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/Director /IT/ 2015 /628


Dated : 03/11 /2015.

Notification of Complaint Redressal Committee

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

Members of Complaint Redressal Committee:

1. Mr. Sami uddin Siddiqui Municipal Commissioner, KMC
2. Mr. Shafqat Akhund Registered Engineer with PEC
3. Representative from A.G. Sindh Karachi (not below than BS-18)


Director (IT) C&A

Copy to :

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

①

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)
Finance & Planning CDGK

1.	Name Of Project:	New IT infrastructure (Hardware) for Integrated Financial Management Information System (IFMIS) of Finance & Accounts Department Karachi Metropolitan Corporation (KMC).
2.	Location of the Project	The Project will be executed at F&A Department Head office KMC, Civic Centre Building, Karachi.
3.	Authorities Responsible: <ul style="list-style-type: none"> • Sponsoring • Execution • Operation & Maintenance 	<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> (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. 	<p>Not Included.</p> <p>District ADP- 2015-2016</p> <p>Not Applicable</p> <p>Not Applicable</p>
5.	Project Objectives: Project objectives and its relationship of the Project with the objectives of the sector:	<p>The proposed project involves establishment of NewIT 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.</p> <p>Adequacy of the existing hardware and network as well as system</p>


Director Computer (Operations)
 Finance & Planning, CDGK

<p>6. Description and Justification of Project:</p> <ul style="list-style-type: none"> - Provide Hardware specification - Attach Networking / LAN diagram - Software requirements - Available service (DSL, wireless) 	<p>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 up-gradation. 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.</p> <p>With the establishment of New IT infrastructure which will provide backbone central computerized advance IT infrastructure, Robust, most demanding and promising platform 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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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</p>
--	--

[Handwritten Signature]
Director Computer (Operations)
Finance & Planning, CDGK

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 comprehensive I.T enabled computing center to cater the current and future high performance computing need of Integrated Financial Management Information at K.M.C.

Physical:

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

Platform form:

Windows/Linux Operating System with Virtualization

Computer Software:

- Utilization of Operating System on the installed hardware (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)
Finance & Planning CDGK

<p>7.</p>	<p>Capital Cost of estimates:</p> <ul style="list-style-type: none"> - Indicate date of estimation of Project cost - Basis of the cost estimates <p>Year wise /component wise physical activities</p> <p>Year wise /component wise financial phasing</p> <p>In case of revised project provide:</p> <ul style="list-style-type: none"> • 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. 	<p>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.</p> <p>Local : Rs. 20.00 Million FEC : NIL Total : Rs. 20.00 Million</p> <p>APRIL, 2016</p> <p>Given details of available resources, required IT hardware and software infrastructure, assessment of required capabilities of the system, 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.</p> <p>Year-wise/component-wise physical Activities</p> <table border="1"> <thead> <tr> <th>S #</th> <th>Items</th> <th>Units</th> <th>Year-I</th> <th>Year-II</th> <th>Year-III</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Up-gradation of I.T (Hardware) Infrastructure for (IFMIS) F & A, DEPT., KMC</td> <td>(per unit Rs. In millions)</td> <td>14.5m</td> <td>5.5m</td> <td></td> </tr> </tbody> </table> <p>Phasing of capital cost be worked out of the basis of each item of work as stated above and provide as per following:</p> <p>Year-Wise/component-wise financial phasing</p> <table border="1"> <thead> <tr> <th rowspan="2">Item</th> <th colspan="2">Year-1</th> <th colspan="2">Year-2</th> <th colspan="2">Year-3</th> <th colspan="2">Total</th> </tr> <tr> <th>Local</th> <th>Total</th> <th>Local</th> <th>Total</th> <th>Local</th> <th>Total</th> <th>Local</th> <th>FEC</th> </tr> </thead> <tbody> <tr> <td>Capital</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Revenue</td> <td>14.5m</td> <td></td> <td>5.5m</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total</td> <td>14.5m</td> <td></td> <td>5.5m</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>-----</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	S #	Items	Units	Year-I	Year-II	Year-III	01	Up-gradation of I.T (Hardware) Infrastructure for (IFMIS) F & A, DEPT., KMC	(per unit Rs. In millions)	14.5m	5.5m		Item	Year-1		Year-2		Year-3		Total		Local	Total	Local	Total	Local	Total	Local	FEC	Capital									Revenue	14.5m		5.5m						Total	14.5m		5.5m					
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Total	14.5m		5.5m																																																							


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	<ul style="list-style-type: none"> Exchange rate used to work out FEC in the original & revised PC-1 	N/A	
8.	Annual operating and maintenance cost after completion of the project.	Local : Rs. 2 Million - To be paid by K.M.C after expiry of warranty period	
9.	Demand and Supply analysis <ul style="list-style-type: none"> Existing capacity of services and its supply/demand Project demand for 10 years. Designed capacity and output of the proposed project. 	<p>Existing I.T data center facility will be utilized to accommodate the new hardware and software components.</p> <p>Current I.T hardware is outdate and difficult to sustain the I.T workload. Moreover, Standards hardware warranty of existing hardware are finished therefore the need of new hardware with 3 years warranty is proposed In the new PC-1</p> <p>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.</p> <p>The proposed hardware and software is capable to provide maximum 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 data, connectivity and computing power by upgrading individual components.</p>	
10.	Financial Plan: Sources of financing <p>(a) Equity Indicate the amount of equity to be financed from each source.</p> <ul style="list-style-type: none"> Sponsors own resource. Federal Govt. Provincial Govt. DFI's/Banks General public Foreign Equity NGO's/Beneficiaries Others <p>(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.</p> <p>(c)Grant along with sources</p> <p>(d)Weighted cost of Capital</p>	Karachi Metropolitan Corporation (KMC). (ADP-2016-17) <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Not Applicable</p> <p>Nil</p>	

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11.	<p>Benefits of the project and analysis Financial: Income to the project alongside assumptions</p> <ul style="list-style-type: none"> • Economic: Benefits to the economy along with the assumption. • Social benefits with indicators <p>Environmental: Environmental impact assessment negative /positive</p>	<ul style="list-style-type: none"> • 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 inter-departmental 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. <p>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.</p> <p>N/A</p>
12.	<p>(a) Implementation Schedule</p> <ul style="list-style-type: none"> • Indicate starting and completion date of the project. • Item-wise/Year-wise implementation schedule in line chart correlated with the phasing of physical activities. <p>(b)Result base Monitoring (RBM) indicators.</p>	<ul style="list-style-type: none"> • The project is expected to be initiated in June, 2016 and completed before June, 2017. • 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


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		<p>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.</p>
13.	<p>Management Structure and Manpower Requirements</p> <ul style="list-style-type: none"> Administrative arrangements for implementation of project The manpower requirements by skills during execution and operation of the project <p>1. Professional & Technical</p> <ul style="list-style-type: none"> During Execution Period During Operation / (Maintenance) Period <p>2. Project Staff</p> <ul style="list-style-type: none"> Project Manager System Support Staff HRM Staff Quality Maintenance Staff Developers/Operators Administrative, Executive & Managerial 	<ul style="list-style-type: none"> 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 infrastructure. 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. 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. 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.



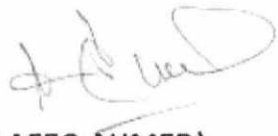

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	<ul style="list-style-type: none"> • Data Entry Operators • Others 	
14.	Additional projects/decisions required to maximize economic benefits from the proposed project	<ul style="list-style-type: none"> • The projects improve the performance of the 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 (Operations)
 Finance & Banking Division
 CGK

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

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 IFMIS system of KMC Finance department. Some of the changes in old and revised PC-1 are also highlighted as below:

1. 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.
2. 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.
4. 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.



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ANNEXURE - I

Summary of Total Expenditure		
S. No.	Description	Estimated Cost In Rs.
1.	Cost of Computer Hardware & Peripherals (Annexure-II)	19,899,000
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	100,000
Approximate Total Expenditure (Rs.)		19,999,000

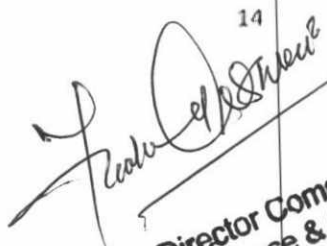


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**COST OF IMPLEMENTATION UP-GRADATION OF I.T INFRASTRUCTURE FOR THE INTEGRATED
FINANCIAL MANAGEMENT INFORMATION SYSTEM (IFMIS)**

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	2
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.	1
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	2 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.	2
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

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13	Enterprise Backup Solution with 4 x Oracle on Linux ,4 x Windows 2008 Agent, 2 x Virtualization Backup Agents	1
TOTAL ESTIMATED COST 20.00 MILLION		

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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 I1with 25 x Client Access Licenes	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

M. P. Singh

Director Computer (Operations & Planning) CDGK

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 Gigabit Network Ports, 1 x Fiber Channel Controller 8Gb/s (Dual Port) with required FC cabling and Windows 2012 Standard Version 1with 25 x Client Access License	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 8Gb/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: 16 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

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



Director Computer (Operations)
Finance & Planning (CDGK)

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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Finance & Planning CLGK

PROJECT DIGEST

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).
2.	Location of the Project	The Project will be executed at F&A Department Head office KMC, Civic Centre Building, Karachi.
3.	Authorities Responsible: <ul style="list-style-type: none"> • Sponsoring • Execution • Operation & Maintenance 	<ul style="list-style-type: none"> • 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 (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 sectorial portfolio should be given.	<p style="text-align: center;">Not Included.</p> <p style="text-align: center;">District ADP- 2015-2016</p> <p style="text-align: center;">Not Applicable</p> <p style="text-align: center;">Not Applicable</p>
5.	Project Objectives: Project objectives and its relationship of the Project with the objectives of the sector:	<p>The Computerized Financial Management System was functioning in the Computer center of Finance Department at KMC building at M. A. Jinnah Road , after Devolution , from where it was shifted to the Civic Center on the 6th floor strait away without delay . The computer center was accordingly constructed instantaneously for shifting and re-installing the computer hardware with the infrastructure which was imminently required in order to launch the system without any interruption.</p> <p>It is high time that the Datacenter Infrastructure be specially when the Integrated Financial management Information System (IFMIS) is being developed on latest computer</p>

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	<p>6. Description and Justification of Project:</p> <ul style="list-style-type: none"> - Provide Hardware specification - Attach Networking / LAN diagram - Software requirements - Available service (DSL, wireless) 	<p>technologies for which the Datacenter infrastructure is to be improvised up to mandatory required tier standard.</p> <p>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 .</p> <p>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.</p> <p>The proposed project involves establishment of New IT infrastructure for Integrated Financial Management Information System (IFMIS) of Finance & Accounts Department KMC.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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 .</p> <ul style="list-style-type: none"> ➤ The access control, ➤ CCTV, ➤ Fire detection /suppression, ➤ Environment monitoring ,
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Finance & Planning**

<p>7.</p> <p>Capital Cost of the Project:</p> <ul style="list-style-type: none"> - Indicate date of estimation of Project cost - Basis of the cost estimates <p>Year wise /component wise physical activities</p>		<ul style="list-style-type: none"> > Cooling > rodent control etc. <p>physical security of I.T datacenter has to be deploy for protection New strategy for Power conditioning, intruder security is also required to improve IT environment.</p> <p>Proposed facilities:</p> <p>Organizational:</p> <p>Physical:</p> <ul style="list-style-type: none"> • Working IT environment for IFMIS users with Furniture and fixtures. • Appropriate Power Supply with Back up (UPS) at all work places/areas. • Appropriate networking cabling at all work places/areas <p>Cooling system:</p> <ul style="list-style-type: none"> • Intelligent Data center cooling and temperature monitoring system locally and remotely. <p>Physical security control:</p> <ul style="list-style-type: none"> • IP CCTV system to monitor un-authorized access in the data center. • Door and Access control to physical manage access in the data center. <p>Fire detection and suppression system:</p> <ul style="list-style-type: none"> • Fire detection and management in the data center in case of disaster <p>UPS and Power System;</p> <ul style="list-style-type: none"> • Power management and control of the data center equipments • Monitoring of power from remotely and locally to avoid any disaster. <p>Local : Rs. 20.00 Million FEC : NIL Total : Rs. 20.00 Million APRIL, 2016</p> <p>Given details of available resources, required IT hardware and software infrastructure, assessment of required capabilities of the system, 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.</p>
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Prabha K. Shrivastava
Director Computer (Operations)
Finance & Planning, CDGK

		Year-wise/component-wise physical Activities						
S #	Items	Units	Year-I	Year-II	Year-III			
01	Datcenter Infrastructure & Front end computer Labs Upgrade /Expansion for the Integrated Financial Management Information System (IFMIS)	{per unit Rs. In millions }	14.5m	5.5m				
Year wise /component wise financial phasing		Phasing of capital cost be worked out of the basis of each item of work as stated above and provide as per following:						
		Year-Wise/component-wise financial phasing						
Item	Year-1		Year-2		Year-3		Total	
	Local	Total	Local	Total	Local	Total	Local	FEC
Capital								
Revenue	14.5m		5.5m					
Total	14.5m		5.5m				20m	
In case of revised project provide:		-----						
<ul style="list-style-type: none"> 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						
		N/A						
8.	Annual operating and maintenance cost after completion of the project.	Local : Rs. 2 Million - To be paid by K.M.C after expiry of warranty period						
9.	Demand and Supply analysis	Existing I.T data center facility will be utilized to accommodate the new hardware and software components.						
<ul style="list-style-type: none"> Existing capacity of services and its 		Current I.T hardware is outdated and difficult to sustain the I.T workload. Moreover, Standards hardware warranty of existing hardware are finished therefore the need of new hardware with 3 years warranty is						


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 Finance & Planning CDG

	<p>supply/demand</p> <ul style="list-style-type: none"> Project demand for 10 years. Designed capacity and output of the proposed project. 	<p>proposed in the new PC-1</p> <p>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.</p> <p>The proposed hardware and software is capable to provide maximum 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 data, connectivity and computing power by upgrading individual components</p>
10.	<p>Financial Plan: Sources of financing</p> <p>(a) Equity Indicate the amount of equity to be financed from each source.</p> <ul style="list-style-type: none"> Sponsors own resource. Federal Govt. Provincial Govt. DFI's/Banks General public Foreign Equity NGO's/Beneficiaries Others <p>(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.</p> <p>(c)Grant along with sources</p> <p>(d)Weighted cost of Capital</p>	<p>Karachi Metropolitan Corporation (KMC). (ADP-2016-17)</p> <p>Nil Nil Nil Nil Nil Nil Nil Nil</p> <p>Nil</p> <p>Not Applicable</p> <p>Nil</p>
11.	<p>Benefits of the project and analysis Financial: Income to the project alongside assumptions</p>	<ul style="list-style-type: none"> 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 inter-departmental Data Communication and Computerized ready information records and quick reports for the overall review.

Yusuf Qureshi

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Director Computer (Operations)
Finance & Planning CDGK

	<ul style="list-style-type: none"> • Economic: Benefits to the economy along with the assumption. • Social benefits with indicators <p>Environmental: Environmental impact assessment negative /positive</p>	<ul style="list-style-type: none"> • Creation of a High performance computerized environment for the FIMS system of K.M.C. <p>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.</p> <p>Cost saving through the identification of primary cost drivers at organization/Department</p> <p>N/A</p>
12.	<p>(a) Implementation Schedule</p> <ul style="list-style-type: none"> • Indicate starting and completion date of the project. • Item-wise/Year-wise implementation schedule in line chart correlated with the phasing of physical activities. <p>(b)Result base Monitoring (RBM) indicators.</p>	<ul style="list-style-type: none"> • 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) 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.	<p>Management Structure and Manpower Requirements</p> <ul style="list-style-type: none"> • Administrative arrangements for implementation of project • The manpower requirements by skills 	<ul style="list-style-type: none"> • 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 will be engaged in the execution of the project and KMC finance department employees will be trained by the training



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Finance & Planning CDGK**

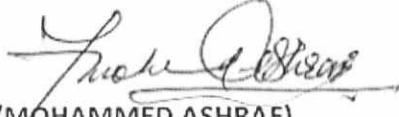


	<p>during execution and operation of the project</p> <p>1. Professional & Technical</p> <ul style="list-style-type: none"> • During Execution Period • During Operation / (Maintenance) Period <p>2. Project Staff</p>	<p>component provided in the project</p> <ul style="list-style-type: none"> • Skilled Technical Computer Personnel (Permanent & Contract Employees) of Finance Department, KMC will be engaged in operating and maintaining I.T infrastructure. • 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. • 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. <p>N/A</p>
14.	Additional projects/decisions required to maximize economic benefits from the proposed project	<ul style="list-style-type: none"> • The project is expected to be initiated in June, 2016 and completed before July, 2017.



Director Computer (Operations)
Finance & Planning CDG

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)
Finance & Planning CDG:

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 IFMIS system of KMC Finance department. Some of the changes in old and revised PC-1 are also highlighted as below:

1. 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.
2. 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.
4. 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 CDGR**

ANNEXURE - I

Summary of Total Expenditure		
S. No.	Description	Estimated Cost 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.	Cost of Datacenter Infrastructure & front end Labs Upgrade/ Expansion (Annexure-V)	19,899,000
5.	Miscellaneous & Contingencies	100,000
Approximate Total Expenditure (Rs.)		19,999,000

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Director Computer (Operations)
Finance & Planning (CUCP)

**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 Well 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
13	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	G.I SHEET CLADDING (Cladding / Covering of Outside Electrical, Data Communication Cables and Air-Conditioning Piping	1
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
16	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

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	4
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 click-ins, 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.	
A	1 meter long Patch Cords.	10
B	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, Hot-swappable batteries, Hot-swappable modules; Battery management, Modular design	
	Scalable power capacity, UPS Management Software.	
	Emerson or Equivalent	
	IP based PDU strips Min 20 sockets, digital indicator, Ethernet interface, Emerson or Equivalent	8
TOTAL ESTIMATED COST 20.00 MILLION		

Pushpendra

Director Computer Operations
Finance & Planning

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	575,000	575,000
2	CCTV Supply and installation of 16 IP Camera (Day and Night) with 16 channel NVR Complete with all respects	1	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
17.2	Floor Standing Unit (2 1/2 Ton) Inverter type comfort AC (Cool only)	2	250,000	500000

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3

PC - I

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



APRIL 2016

FINANCE & ACCOUNTS DEPARTMENT
KARACHI METROPOLITAN CORPORATION

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Director Computer (Operations),
Finance & Planning, CD&A

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:	<ul style="list-style-type: none"> • Sponsoring • Execution • Operation & Maintenance <ul style="list-style-type: none"> • 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:	<p>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 up-gradation work has to be carried out for instituting the "One Window Operation" :</p> <p>Uplift and renovation of sections/ Offices of Finance and Accounts Department including corridors which includes :</p> <ul style="list-style-type: none"> a. Civil Work b. Electrical Work


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		<p>c. Air-conditioning</p> <ol style="list-style-type: none"> 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	<p>Description and Justification of Project:</p> <ul style="list-style-type: none"> - Provide Hardware specification - Attach Networking / LAN diagram - Software requirements - Available service (DSL, wireless) 	<ul style="list-style-type: none"> • 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 Management 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 & Taxation GOS would have uniqueness i.e. web based, centralized, integrated, user friendly interface, services provision to other parties that will facilitate to tax payers. • Online salary disbursement cell for e-transactions with


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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 the issues regarding the salary, accounts/CNIC update etc on timely 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.M.C.

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

		<p>Human resource 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.</p>																																																																							
7.	<p>Capital Cost estimates:</p> <ul style="list-style-type: none"> - - Indicate date of estimation of Project cost - Basis of determining the capital cost <p>Year wise /component wise physical activities</p> <p>Year wise /component wise financial phasing</p> <p>In case of revised project provide:</p> <ul style="list-style-type: none"> • 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 	<p>Local : Rs. 20.00 Million Total : Rs. 20.00 Million</p> <p>April, 2016</p> <p>Given details of available resources, required IT infrastructure, assessment of required capabilities of the system, 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.</p> <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="6">Year-wise/component-wise physical Activities</th> </tr> <tr> <th>S #</th> <th>Items</th> <th>Units</th> <th>Year-I</th> <th>Year-II</th> <th>Year-III</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Refurbishment of Finance and Accounts Department for One Window Operation</td> <td>(per unit Rs. in million)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Phasing of capital cost be worked out of the basis of each item of work as stated above and provide as per following:</p> <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="9">Year-Wise/component-wise financial phasing</th> </tr> <tr> <th rowspan="2">Item</th> <th colspan="2">Year-1</th> <th colspan="2">Year-2</th> <th colspan="2">Year-3</th> <th colspan="2">Total</th> </tr> <tr> <th>Local</th> <th>Total</th> <th>Local</th> <th>Total</th> <th>Local</th> <th>Total</th> <th>Local</th> <th>FEC</th> </tr> </thead> <tbody> <tr> <td>Capital</td> <td>6 million</td> <td></td> <td>14 million</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Revenue</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>-----</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	Year-wise/component-wise physical Activities						S #	Items	Units	Year-I	Year-II	Year-III	01	Refurbishment of Finance and Accounts Department for One Window Operation	(per unit Rs. in million)				Year-Wise/component-wise financial phasing									Item	Year-1		Year-2		Year-3		Total		Local	Total	Local	Total	Local	Total	Local	FEC	Capital	6 million		14 million						Revenue									Total								
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S #	Items	Units	Year-I	Year-II	Year-III																																																																				
01	Refurbishment of Finance and Accounts Department for One Window Operation	(per unit Rs. in million)																																																																							
Year-Wise/component-wise financial phasing																																																																									
Item	Year-1		Year-2		Year-3		Total																																																																		
	Local	Total	Local	Total	Local	Total	Local	FEC																																																																	
Capital	6 million		14 million																																																																						
Revenue																																																																									
Total																																																																									
8.	<p>Annual Recurring expenditure after completion of the project</p>	<p>Local : Rs. 1 Million To be paid by K.M.C</p>																																																																							

9.	Demand and Supply analysis <ul style="list-style-type: none"> Existing capacity of services and its supply/demand Project demand for 10 years. Designed capacity and output of the proposed project. 	<p>Existing I.T in the offices of K.M.C finance department will be revamped for the improvement of infrastructure.</p> <p>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</p> <p>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.</p> <p>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.</p>
10.	Financial Plan: Sources of financing <p>(a) Equity Indicate the amount of equity to be financed from each source.</p> <ul style="list-style-type: none"> Sponsors own resource. Federal Govt. Provincial Govt. DFI's/Banks General public Foreign Equity NGO's/Beneficiaries Others <p>(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.</p> <p>(c)Grant along with sources</p> <p>(d)Weighted cost of Capital</p>	<p>Karachi Metropolitan Corporation (KMC). (ADP-2016-17)</p> <p>Nil Nil Nil Nil Nil Nil Nil Nil</p> <p>Nil</p> <p>Not Applicable</p> <p>Nil</p>
11.	Benefits of the project and analysis <ul style="list-style-type: none"> Financial: Income to the project alongside assumptions 	<ul style="list-style-type: none"> 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 inter-departmental Data Communication and Computerized ready information records and quick reports for the overall review.

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	<ul style="list-style-type: none"> • Economic: Benefits to the economy along with the assumption. • Social benefits with indicators <p>Environmental: Environmental impact assessment negative /positive</p>	<ul style="list-style-type: none"> • Creation of a High performance computerized environment for the FIMS system of K.M.C. <p>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.</p> <p>N/A</p>
12.	<p>(a) Implementation Schedule</p> <ul style="list-style-type: none"> • Indicate starting and completion date of the project. • Item-wise/Year-wise implementation schedule in line chart correlated with the phasing of physical activities. <p>(b)Result base Monitoring (RBM) indicators.</p>	<ul style="list-style-type: none"> • 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) 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 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.	<p>Management Structure and Manpower Requirements</p> <ul style="list-style-type: none"> • Administrative arrangements for implementation of project 	<ul style="list-style-type: none"> • 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

<ul style="list-style-type: none"> The manpower requirements by skills during execution and operation of the project <p>1. Professional & Technical</p> <ul style="list-style-type: none"> During Execution Period During Operation / (Maintenance) Period <p>2. Project Staff</p> <ul style="list-style-type: none"> Project Manager System Support Staff HRM Staff Quality Maintenance Staff Developers/Operators Administrative, Executive & Managerial Data Entry Operators Others 	<p>engaged in the execution of the project and KMC finance department employees will be trained by the training component provided in the project</p> <ul style="list-style-type: none"> Skilled Technical Computer Personnel (Permanent & Contract Employees) of Finance Department, KMC will be engaged in operating and maintaining I.T infrastructure. 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. 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. 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.
<p>14. Additional projects/decisions required to maximize economic benefits from the proposed project</p>	<p>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.</p>

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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.

<p>Prepared By:</p>	 (MOHAMMED ASHRAF) Director Computer Operations FINANCE & ACCOUNTS DEPARTMENT, KMC
<p>Checked & Recommended By:</p>	 (REHAN KHAN) Financial Advisor FINANCE & ACCOUNTS DEPARTMENT, KMC
<p>Approved By:</p>	<p>SAMIUDDIN SIDDIQUI METROPOLITAN COMMISSIONER KARACHI METROPOLITAN CORPORATION</p>  (LAEQ AHMED) ADMINISTRATOR, KMC KARACHI METROPOLITAN CORPORATION



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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 IFMIS system of KMC Finance department. Some of the changes in old and revised PC-1 are also highlighted as below:

1. 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.
2. 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.
4. 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.

ANNEXURE - I

Summary of Total Expenditure		
S. No.	Description	Estimated Cost 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	100,000
Approximate Total Expenditure (Rs.)		19,999,000

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

S#	Description	Qty
1	WIRING/WIRING ACCESSORIES : Circuit wiring from 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	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
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
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
5	HVAC WORK : Supply of split wall mounted type Air Conditioning units (2.0 Ton) complete in all respect	1
1	DISMANTLING : 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	Filing Rack for DMS Room ; Providing and fixing metal filing 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
10	DOORS : Providing and fixing polish finished flush doors with new wooden frame limping on all sides of the door with fitting door locks 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

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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 wall cladding 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 PARTITION 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		

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REVISED

S#	Description	Qty	Price (Rs.)	Total Cost (Rs)
1	WIRING/WIRING ACCESSORIES : Circuit wiring from 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
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	DISMANTLING : 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 tile 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	170,000
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	12,000
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	100,000

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Director Computer Operations,
Finance & Planning

10	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
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	46000
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
13	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
14	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
15	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
16	Polishing of existing wall cladding and doors by same finish	1	250,000	250000
17	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
18	WOODEN PARTITION WALL : Supply making and installation of wooden partition with appropriate size of grooves.	1	230,000	230000
19	MS GRILL : Providing and fixing MS grills on existing Glass windows finished in paint complete in all respect	1	140,000	140000
20	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
21	OFFICERS DESK : Providing and fixing new officers desk with side racks complete in all respect	1	130,000	130000
22	Providing staff visitors chairs	1	800,000	800000
23	Providing high back officers chairs	1	520,000	520000
24	Providing waiting area single seater sofa	1	200,000	200000
25	Providing and fixing of vertical / horizontal windows blind imported	1	80,000	80000
26	Beautification and Designing of entrance wall of reception area	1	90,000	90000
Grand Total				19,996,000

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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)	
1	WIRING/WIRING 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	CAPITAL
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	CAPITAL
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	CAPITAL
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	REVENUE
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	REVENUE
1	DISMANTLING : Dismantling of Aluminum partitions walls of wash room tiles and other accessories	1	55,000	55,000	CAPITAL
2	BLOCK MASONRY ; Providing and laying first class block masonry walls without plaster complete in all respect	1	479,000	479,000	CAPITAL
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	CAPITAL
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	CAPITAL

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5	SKIRTING : Providing and installation in position where required tile 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
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	CAPITAL
9	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
10	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
11	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
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	CAPITAL
13	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	CAPITAL
14	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	CAPITAL
15	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
16	Polishing of existing wall cladding and doors by same finish	1	250,000	250000	CAPITAL
17	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
18	WOODEN PARTITION 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
20	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
21	OFFICERS DESK : Providing and fixing new officers desk with side racks complete in all respect	1	130,000	130000	CAPITAL

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22	Providing staff visitors chairs	1	800,000	800000	CAPITAL
23	Providing high back officers chairs	1	520,000	520000	CAPITAL
24	Providing waiting area single seater sofa	1	200,000	200000	CAPITAL
25	Providing and fixing of vertical / horizontal windows blind imported	1	80,000	80000	CAPITAL
26	Beautification and Designing of entrance wall of reception area	1	90,000	90000	CAPITAL
Grand Total				19,996,000	

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

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