

GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH
Directorate General of Food
Modern Food Storage Facilities Project (MFSP)
Probashi Kallayan Bhaban (level – 17),
71 – 72, Eskaton Garden, Dhaka – 1000.
www.mfsp.gov.bd

Memo No: MFSP.13.01.0000.362.07.234.2018.201

Date: 01/11/2020

Name of country: Bangladesh

Name of Project: Modern Food Storage Facilities Project (MFSP)

Credit number: 5265-BD

Addendum

Package No: MFSP GD-27a

Package Name: *Supply, Installation and Commissioning of Online food stock and market monitoring system of DG Food including data center, software etc*

This is for general information of all concerned that the above mentioned bid invited vide this office Memo no: MFSP-13.01.0000.362.07.234.2018.139 Dated: 20/09/2020 has been amended as follows:

Reference in Bidding document	Existing Provision in bid doc.	Changed Provision in bid doc.
Vol-1 Page-44 ITB 6.1 (b) Manufacturer's authorization letter	Manufacturer's Authorization should be signed by the authorized representative of the Manufacturer along with supporting document providing the authorization.	Manufacturer's Authorization Letter must be provided from the office of the Original Equipment Manufacturers (OEM) responsible for the end user's territory
Vol-1 Page-264 Manufacturer's authorization letter 3.1 Manufacturer's Authorization	Note: This authorization should be written on the letterhead of the Manufacturer and be signed by a person with the proper authority to sign documents that are binding on the Manufacturer.	Note: This authorization should be written on the letterhead of the Manufacturer and be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. <i>Note: Bidder must follow the authorized OEM's channel for the end purchaser's territory to ensure originality of the supplied products and future support services including warranty/replacement.</i>
Vol-1 Page-47 ITB 21.1	Deadline for bid submission is Date: 4 Nov 2020 Time: 14:00 hrs Local Time	Deadline for bid submission is Date: 26 Nov 2020 Time: 14:00 hrs Local Time Last date of selling of bidding document: 25 Nov 2020
Vol-1 Page-50 General Experience for at least the last 10(ten) years prior..... for at least the last 5(five) years prior...
Vol-1 Page-51 Specific experience at least 2 (two) contracts at least 1 (one) contract
Vol-1 Page-55 Technical requirements compliance	Compliance with Critical requirements at Section VI Technical Requirements	Compliance with Critical requirements at Section VI Technical Requirements. Bidder may quote upgraded version.
Vol-1 Page-140 GCC 12.1 Terms of payment	Total bill amount shall be disbursed as follows	Total bill amount shall be disbursed as follows

24

Reference in Bidding document	Existing Provision in bid doc.			Changed Provision in bid doc.		
	Milestone Deliverables payment terms and timeline			Milestone Deliverables payment terms and timeline		
	SL. No	Deliverables	Percentage of Payment of contract Value	SL. No	Deliverables	Percentage of Payment of contract Value
	1	SRS: Acceptance Report of System Requirement Specification (SRS) for FS&MMS	2.5	1	SRS: Acceptance Report of System Requirement Specification (SRS) for FS&MMS	2.5
	2	Functionality Acceptance : Acceptance Report on low level design & Functionality Acceptance Test (FAT) for FS&MMS	2.5	2	Functionality Acceptance : Acceptance Report on low level design & Functionality Acceptance Test (FAT) for FS&MMS	5
	3	IT & Non-IT Installation & Commissioning Acceptance: Acceptance report on Installation & commissioning of IT & Non-IT Infrastructure, System software & Data/Internet connectivity at DG Food Data Centers, NDC, DR & Remote locations Demonstration of Business continuity process and acceptance by DG Food	30	3	IT & Non-IT Installation & Commissioning Acceptance: Acceptance report on Installation & commissioning of IT & Non-IT Infrastructure, System software & Data/Internet connectivity at DG Food Data Centers, DR & Remote locations Demonstration of Business continuity process and acceptance by DG Food	40
	4	FS&MMS Commissioning Acceptance: Acceptance report on Commissioning of FS&MMS, Configuration, VA-PT & Performance Test of FS&MMS and end user commissioning of FS&MMS	25	4	FS&MMS Commissioning Acceptance: Acceptance report on Commissioning of FS&MMS, Configuration, VA-PT & Performance Test of FS&MMS and end user commissioning of FS&MMS	20
	5	Capacity Building: Acceptance of report	5	5	Capacity Building: Acceptance of report on Training & Technology Transfer	2.5

PK

Reference in Bidding document	Existing Provision in bid doc.	Changed Provision in bid doc.																											
	<table border="1"> <tr> <td></td><td>on Training & Technology Transfer</td><td></td></tr> <tr> <td>6</td><td>Go-Live: Acceptance of Report on FS&MMS Go-Live (Offline to Online Operation Switch over)</td><td>3</td></tr> <tr> <td>7</td><td>UAT: Sustainability & User acceptance Test</td><td>7</td></tr> <tr> <td colspan="3">Operational Acceptance</td></tr> <tr> <td>8</td><td>Post Implementation Services: Quarterly</td><td>25</td></tr> </table> <p>The Supplier shall not commence any other deliverable stated above before acceptance of the deliverables 1 & 2.</p>		on Training & Technology Transfer		6	Go-Live: Acceptance of Report on FS&MMS Go-Live (Offline to Online Operation Switch over)	3	7	UAT: Sustainability & User acceptance Test	7	Operational Acceptance			8	Post Implementation Services: Quarterly	25	<table border="1"> <tr> <td>6</td><td>Go-Live: Acceptance of Report on FS&MMS Go-Live (Offline to Online Operation Switch over)</td><td>3</td></tr> <tr> <td>7</td><td>UAT: Sustainability & User acceptance Test</td><td>7</td></tr> <tr> <td colspan="3">Operational Acceptance</td></tr> <tr> <td>8</td><td>Post Implementation Services: Monthly</td><td>20</td></tr> </table> <p>Detail payment schedule will be finalized during signing of contract through negotiation.</p> <p>The Supplier shall not commence any other deliverable stated above before acceptance of the deliverables 1 & 2.</p> <p>The purchaser will constitute multiple committees with the technical and domain experts to assess different deliverables and award acceptance.</p>	6	Go-Live: Acceptance of Report on FS&MMS Go-Live (Offline to Online Operation Switch over)	3	7	UAT: Sustainability & User acceptance Test	7	Operational Acceptance			8	Post Implementation Services: Monthly	20
	on Training & Technology Transfer																												
6	Go-Live: Acceptance of Report on FS&MMS Go-Live (Offline to Online Operation Switch over)	3																											
7	UAT: Sustainability & User acceptance Test	7																											
Operational Acceptance																													
8	Post Implementation Services: Quarterly	25																											
6	Go-Live: Acceptance of Report on FS&MMS Go-Live (Offline to Online Operation Switch over)	3																											
7	UAT: Sustainability & User acceptance Test	7																											
Operational Acceptance																													
8	Post Implementation Services: Monthly	20																											
Vol-1 Page-204 Technical requirements	<p>General Requirements on Training Logistics</p> <p>c) Training allowance of BDT 1000/- per participant per training shall be applicable and to be borne by the selected bidder.</p>	<p>General Requirements on Training Logistics</p> <p>c) Training allowance of BDT 1000/- per participant per training-day shall be applicable and to be borne by the selected bidder.</p>																											
Vol-1 Page-210 Technical Requirements- Para-2.9 And Page-223 Para-5.4 Requirements of Internet Connectivity	<p>The contractor has to provide managed Internet connectivity service at different sites of DG Food (DCF, RCF, DC, DR, LSD, UCF).....</p> <p>For LSD: 10 Mbps Internet connectivity (with /30 Public IP blocks)</p> <p>For UCF: 10 Mbps Internet connectivity (with /30 Public IP blocks)</p>	<p>The contractor has to provide dedicated Internet connectivity service at different sites of DG Food (DCF, RCF, DC, DR, LSD, UCF).....</p> <p>For LSD: 10 Mbps Internet connectivity</p> <p>For UCF: 10 Mbps Internet connectivity</p>																											
Vol 3, page 227 Annex-10 ICT Infrastructure Requirements H 3.1.1 Rack Server H3.1.2 Data Base Server & Vol 3, page 228 Annex-10 ICT Infrastructure Requirements H3.1.2 Data Base Server	<p>3 x 800GB SSD Hard Drive for each server, 4x1.2 TB SAS (15 K) drive for each server. Should support RAID 0,1,5,6,10 etc.</p>	<p>3 x 800GB SSD Hard Drive for each server, 4x1.2 TB SAS (10 K) drive for each server. Should support RAID 0,1,5,6,10 etc.</p>																											
Vol-3 Page-241 H.3.1.7 SAN Storage Type-2 (for DR) SL 9 : Storage Capacity minimum 15K RPM	<the words are deleted >																											
Vol 3, page 244 Annex-10 ICT	2 Tbps end-to-end full duplex	1.5 Tbps end-to-end duplex																											

PK

Reference in Bidding document	Existing Provision in bid doc.	Changed Provision in bid doc.
<i>Infrastructure Requirements H3.1.8 SAN Switch</i>		
<i>Vol 3, page 244 Annex-10 ICT Infrastructure Requirements H3.1.8 SAN Switch</i>	<i>Latency for locally switched ports is 780 ns (including FEC)</i>	<i><deleted></i>
<i>Vol-3 Page-246 H.3.1.9 SAN Storage Type-3 (for Backup) SL 13 : Storage Capacity</i>	<i>..... minimum 15K RPM</i>	<i><the words are deleted></i>
<i>Vol-1 Page-255 H.3.1.15 & Vol-3 Page-261 Annex-10 ICT Infrastructure Requirements H.3.1.15 VC Recording</i>	<i>VC Recording</i>	<i>Item name should be "VC EndPoint HQ"</i>
<i>Vol-1 Page-256 N.3.3.6 e-mail security system</i>	<i>Qty:1</i>	<i>Qty:2</i>
<i>Vol-1 Page-256 N.3.3.2 Perimeter/Internet Firewall</i>	<i>Qty:2</i>	<i>Qty:3</i>
<i>Vol-1 Page-256 N.3.3.5 Internal Firewall</i>	<i>Qty:2</i>	<i>Qty:3</i>
<i>Vol-1 Page-256 S.3.4.7 Identity and Access Management</i>	<i>Qty:1</i>	<i>Qty:2</i>
<i>Vol-1 Page-256 N.3.3.4. AGGREGATION SWITCHES (Data Center)</i>	<i>Qty:2</i>	<i>Qty:4</i>
<i>Vol-1 Page-256 N.3.3.9. Distribution Switch (LAN & WAN)</i>	<i>Qty:8</i>	<i>Qty:9</i>
<i>Vol-1 Page-257 I.3.2.31</i>	<i>Underground Optical & Power network at LSD's Godown</i>	<i>[Name Change] Optical & Power network at LSD's Godown</i>
<i>Vol-3 Page-269 H.3.1.17 Tablets</i>	<i>12.Battery: Not less than 7500 mAh 13.Camera: Not less than 8 MP(Front & Rear both) with flash 14. Min 10.1 inch, 1920 x 1200 IPS screen, 224 PPI</i>	<i>12.Battery: Not less than 6000 mAh 13.Camera: Not less than 5 MP(Front) & 8 MP (Rear) 14. Min 10 inch, 1920 x 1200 IPS screen, 220 PPI</i>
<i>Vol-1 Page-270 H.3.1.19 Direct Thermal POS Printer</i>	<i>Direct Thermal, 220mm Print per sec, Up to 80mm Width Receipt, USB Interface, Auto Cutter, 2 Years Warranty</i>	<i>Direct Thermal, 200mm Print per sec, Up to 80mm Width Receipt, USB Interface, Auto Cutter, 2 Years Warranty</i>
<i>Vol-3 Page-278 Annex-10 ICT Infrastructure Requirements I.3.2.3 Dimension</i>	<i>600X900X1400</i>	<i><deleted></i>

PK

Reference in Bidding document	Existing Provision in bid doc.	Changed Provision in bid doc.
Vol-3 Page-312 Annex-10 ICT Infrastructure Requirements I.3.2.31 Underground Optical & Power network at LSD's godown	I.3.2.31 Underground Optical & Power network at LSD's godown	I.3.2.31 Optical & Power network at LSD's godown
	Power supply: Brand: BRB/BBS/Paradise; 6rm 3C NYY	Power Cable: Brand: BRB/BBS/Paradise; 16rm 4C Double Insulated Aluminium Cable
	HDPE Duct: 40/33 mm	<deleted>
	Trench: 5" width, 40" depth	<deleted>
	Laying: Laying power and OFC cables through HDPE Duct in the trench from LSD's main electric supply at office room up to each godown, securing with proper sand, brick and warning tapes following PWD/BTCL standard.	Overhead Installation: Power cable and OFC should be installed overhead from LSD's main electric supply at office room up to each godown, securing it by following LT power line distribution standard using 10awg SS wire rope guide, insulator, Roof top/ Ground standing Support pole/ Insulator etc. DB with Appropriate MCB should be installed at every Godown for Electrical protection.
	-	Power Connection/Load increment from REB or other government source of power: The Contractor shall arrange power line connection/ Load increment from REB for each LSD with 440V. 3P LT meter supply & installation permission from Electricity Licensing Board, etc. should be arranged by the bidder. All the expenses including security money against the demand note, service cable installation, REB Installation fees, etc. shall be under this contract at contractor's cost.
Vol-3 Page-278 Annex-10 ICT Infrastructure Requirements I.3.2.3 UPS with battery for critical areas Battery input	$\pm 192VDC$ ($\pm 180 \sim \pm 240$ settable)	± 192 ($\pm 180 \sim \pm 276$ settable)
Vol-3 Page-334 Annex-10 ICT Infrastructure Requirements N.3.3.6 e-mail security system	License qty 4000	License qty 2000
Vol-3 Page-357 Annex-10 ICT Infrastructure Requirements N.3.3.9 Distribution Switch (LAN & WAN)	Support virtual stacking	Support virtual stacking and FC/FCoE protocol
Vol-3 Page-357 Annex-10 ICT Infrastructure Requirements N.3.3.9 Distribution Switch (LAN & WAN)	Each Switch should have 12 x 1G Single Mode SFP Modules, 8 x 10G Multimode SFP Modules and 2 x 40GE short range SFP modules Installed from day one. All the SFP should be OEM original SFP Module.	Each Switch should have 12 x 1G copper SFP Modules, 32x 10G Multimode SFP Modules and 2 x 40/100GE short range SFP modules Installed from day one. All the SFP should be OEM original SFP Module.
Vol-3 Page-357 Annex-10 ICT Infrastructure Requirements	Minimum Switching capacity 450 Gbps full duplex or more	Minimum Switching capacity 3.50 Tbps full duplex or more

RK

Reference in Bidding document	Existing Provision in bid doc.	Changed Provision in bid doc.
N.3.3.9 Distribution Switch (LAN & WAN)		
Vol-3 Page-357 Annex-10 ICT Infrastructure Requirements N.3.3.9 Distribution Switch (LAN & WAN)	Support for up to 4000 VLANs	Support for up to 3500 VLANs
Vol-3 Page-357 Annex-10 ICT Infrastructure Requirements N.3.3.9 Distribution Switch (LAN & WAN)	Support minimum 4000 L3 VLAN Interfaces or Switched Virtual Interfaces	<deleted>
Vol-3 Page-357 Annex-10 ICT Infrastructure Requirements N.3.3.9 Distribution Switch (LAN & WAN)	Minimum 200,000 flow entries for security and traffic visibility.	<deleted>
Vol-3 Page-357 Annex-10 ICT Infrastructure Requirements N.3.3.9 Distribution Switch (LAN & WAN)	Support visibility of encrypted traffic for analysis and troubleshooting in future if required.	<deleted>
Vol-3 Page-357 Annex-10 ICT Infrastructure Requirements N.3.3.9 Distribution Switch (LAN & WAN)	The switch must have at least 270,000 hours Mean Time Between Failure (MTBF) for hardware reliability.	<deleted>
Vol-3 Page-357 Annex-10 ICT Infrastructure Requirements N.3.3.9 Distribution Switch (LAN & WAN)	Should have minimum of 38 x 10GE SFP+ transceiver based ports and 2 x 40G modular Uplink ports	Should have minimum of 38 x 10/25GE SFP+ transceiver based ports and 2 x 40G modular Uplink ports
Vol-3 Page-359 Annex-10 ICT Infrastructure Requirements N.3.3.10 L2 Switch	The switch should have at least 2,400,000 hours mean time between failure (MTBF) for hardware reliability.	<deleted>
Vol-3 Page-359 Annex-10 ICT Infrastructure Requirements N.3.3.10 L2 Switch	Flash memory: Minimum 512 MB and DRAM Minimum 256 MB	Flash memory: Minimum 2 GB and DRAM Minimum 2 GB
Vol-3 Page-359 Annex-10 ICT Infrastructure Requirements N.3.3.10 L2 Switch	Jumbo Frame: 10,200 bytes or higher	Jumbo Frame: 91,90 bytes or higher
Vol-3 Page-377 Annex-10 ICT Infrastructure Requirements I.3.2.30 Precision EMS & Moisture Stabilizer	-	Environment Monitoring System: Must have 32 bit controller; 1 Capacitive type Humidity sensor 1 Temperature sensor: Must have TCP/IP (RJ45) network interface
	-	Compressor: GMCC/Panasonic/equivalent Rotary type. Humidistat: Adjustable humidistat over IP network
	Rated current (A): 21 R410A with GMCC compressor	Rated current (A): 8.8 (Input)

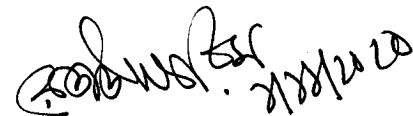
PK

Reference in Bidding document	Existing Provision in bid doc.	Changed Provision in bid doc.
	Refrigerant: R410A with GMCC compressor	Refrigerant: R410A
	Noise level dB (A) 68	Noise level dB (A) <68
	Power supply: AC220V, 50Hz, 1Phase	Power supply: AC 380V, 50Hz, 3Phase; Input voltage Range: 380V ~ 450V
	Air circulation (m3/h): 3000	Air circulation (m3/h): >=1800
	Operation temperature: 5-45° C	Operation temperature: 5-38° C
	Installation & Commissioning: Complete Installation, testing and commissioning with all necessary accessories cables	Installation & Commissioning: The supplier has to install 1 (one) EMS&MS system in each Godown of size 40ftX 100ft, positioned at the center with necessary Floor mounting Bracket/civil works, electrical connections, etc. Bidder has to quote for Complete Installation, testing and commissioning with all necessary accessories cables, ties, channels, pipes, etc.
Vol-3 Page-377 Annex-10 ICT Infrastructure Requirements S.3.4.4 Virtualization Software SL 2	Virtualization software shall integrate with different SAN storage from different OEM's like Dell, HPE, NetApp, Hitachi etc. and protocols like NAS, FC, FCoE and iSCSI SAN should be supported	Virtualization software shall integrate with different SAN storage from different OEM's like Dell, HPE, NetApp, Hitachi etc. and protocols like NAS, FC, and iSCSI SAN should be supported
Vol-3 Page-377 Annex-10 ICT Infrastructure Requirements S.3.4.4 Virtualization Software SL 7	Virtual machines should able to boot both from BIOS and via WEFI firmware driven servers.	Virtual machines should able to boot both from BIOS and via UEFI firmware driven servers.
Vol-3 Page-377 Annex-10 ICT Infrastructure Requirements S.3.4.4 Virtualization Software SL 10	Virtualization software shall be able to dynamically allocate and balance computing capacity across collections of hardware resources aggregated into one unified resource pool with optional control over movement of virtual machines like restricting VMs to run on selected physical hosts.	Virtualization software shall be able to allocate and balance computing capacity across collections of hardware resources aggregated into one unified resource pool with optional control over movement of virtual machines like restricting VMs to run on selected physical hosts.
Vol-3 Page-377 Annex-10 ICT Infrastructure Requirements S.3.4.4 Virtualization Software SL 17	The Virtualization software should able to monitor utilization across virtual machines and should allocate available resources among virtual machines as required.	<deleted>
Vol-3 Page-377 Annex-10 ICT Infrastructure Requirements S.3.4.4 Virtualization Software SL 22	The virtualization should offer cloning feature. The offered cloning feature should work for Direct LUN attached VM's also.	The virtualization should offer cloning feature
Vol-3 Page-377 Annex-10 ICT Infrastructure Requirements S.3.4.1 Enterprise RDBMS	Enterprise DB license for 8 cores	Enterprise DB license including Diagnostic Pack, Tuning Pack, RAC, Active Data Guard & Advanced security option enabled for 8 cores (4+4 RAC).
Vol-1 Page-255 [New Line Item]	-	H.3.1.20 Web Cam Qty: 1200

PK

Reference in Bidding document	Existing Provision in bid doc.	Changed Provision in bid doc.
Vol-3 Page-270 [Specification of new line item H.3.1.20 Web Cam]	-	H.3.1.20 Web Cam Brand & Model: To be mentioned by the bidder Video Quality: up to 2 megapixel Frame Rate: 30fps Still image: 16 Megapixel,(4608X3456) Image Sensor : 1080p Full-HD

All other terms and conditions shall remain unchanged.



(Md. Rezaul Karim Sheikh)
Project Director
Modern Food Storage Facilities Project

Memo No: MFSP.13.01.0000.362.07.234.2018.201

Date: 01/11/2020

1. Secretary, Ministry of Food, Dhaka
2. Directorate General of Food, Dhaka.
3. Task Team Leader of MFSP, World Bank, Dhaka.

(Md. Rezaul Karim Sheikh)
Project Director