



وزارة الاعلام
دولة الكويت

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Introduction

The ministry of Information (MOINFO) invites Specialist bidders to submit their offers for supplying, Installing, Designing, Testing, Training, Maintenance and Guarantee of the **ministry's new network components and expansion**. The work of this contract is to provide all labor, materials, equipment, and incidentals necessary to install network equipment at multiple locations at MOINFO with Civil and Electrical Works. The contractor will be responsible to install network switches to cover lacking areas in the MOI complex, make all connections, program, test, Monitor and ensure system is fully operational. All offered equipment and required work shall be **the latest state-of-the-art technology**.

General Conditions:

The following terms and conditions must be met by bidding companies:

- Bidder must be registered with the Central Agency for Information Technology for the current year.
- Bidder must provide
 - Valid ISO Certified 9001.
 - Company portfolios.
 - Contact information of a project manager.
 - Catalogues for all items (Soft/Hard) copy
 - Compliance sheet that provided by MOINFO.
- Bidder must have a minimum experience of **5 years** in the same field (Related information to be documented and attached).
- Bidder must gold partner with Cisco Inc.
- Bidder must sign initial letter to start the project with IT department
- Execution time of the project should not exceed 6 Months
- The project should be extendable for future upgrade

Site Visits and Pre-Tender meeting:

- All bidders are invited to Pre-tender meeting.
- For proper/realistic pricing of the offers, all Bidders **MUST** visit the site. The site visits dates and timing shall be made and agreed during the preliminary meeting.
- Technical Specification & drawings:
 - Technical Specifications shall be considered as an integral part of the Contract.
 - Any work or material shown on the drawings, even if not specifically described in the Technical Specifications, or vice versa, is to be done or supplied by the Contractor to deliver turnkey system which will operate in full power making all system components compatible with each other and existing systems.
 - The approval of the Contractor's drawings by MOI shall not in any way relieve the Contractor's responsibilities or liabilities under the Contract.
 - Drawings submitted to the MOI for approval shall be signed by the Contractor's Project Manager. Unsigned drawings will be returned unchecked.

Insurance:

The Contractor shall insure the materials, software and works in the joint name of the contractor and the Ministry to full value of them against any loss or damage. The said insurance shall take effect in such a manner that both parties are covered during the period from the date of signing the contract until the project shall have been taken over by the issue of the Provisional Handing Over Certificate (PHOC)’’.

Approval of Materials and System Drawings:

All materials and system drawings are to be approved by MOINFO at least one month before implementation on site. Accessibility of components/units and ease of maintenance shall be taken into consideration in the layout of different equipment/units.

As-Built Drawings, Manuals and Catalogue:

Before testing and commissioning of the whole system, the contractor shall submit two sets (both hard copies – with 3 large colored sets (A0 size) of network schematics- and soft copies) of the following:

- As-Built drawings, schematics, wiring, etc of all units.
- Detailed description of equipment.
- Operation/Instruction/Service manual/s.
- Parts list catalogue (including mechanical parts).
- Components layout.

-For all above items, English Language only will be accepted.

SCOPE OF WORK & Bidder responsibilities

- A site visit will be arranged during pre-meeting.
- A project management flow chart must be supplied to the operation team leader. The flow chart should detail processes and their project time plan
- Bidder must hand monthly reports throughout the duration of the project execution
- All switches are to be rack-mounted in the racks delivered, connected through fiber and all connections to switches should go through patch panels first.
- Any item/work not mentioned in the tender document or BOQ but indispensable for the proper Installation/ Implementation/Performance of this project must be added to the BOQ priced and described in breakdown table.

- **Network Connectivity:**
 1. The bidder must make all the connections and termination points and provide everything needed (Rj45, piping, shielding, etc.) to have a reliable connection based on the site survey.
 2. The bidder will connect existing connected cable + providing new cables (must be a new distinct color) for 50 points (around 3000 m)
 3. All edge switches will be connected to the aggregation switches through 8 Core OM3 MM fiber connections (each link averagely around 30 meters).
 4. The bidder must make all the connections and termination points and provide everything needed (necessary transceivers, piping, shielding, patch panels, etc.) to have a reliable connection based on the site survey.
 5. Must provide fiber patch panel for the aggregate switch (1 patch fiber on each DS switch to collect all the fibers that come from connected edge switches in the same building) and each edge switch (8 Core patch fiber).
 6. All fibers must be labeled by the bidder.
 7. Note that there are existing fiber links between the existing core switch to the new DS switches
- This project shall be executed and handed over to MOI under the full responsibility of the contractor.
- The contractor shall take all precautions for the safety of workers and MOINFO existing equipment's.
- During project execution, the bidder will professionally dismantle and replace current system components, any related items and connections, then deliver the equipment to IT operations team at the ministry.
- Any job requiring disconnection of the electric supply to any working equipment must be declared by a written request to MOINFO and must be approved and scheduled by a written document from MOINFO.

- The contractor shall have the responsibility to supply and install the equipment necessary to meet the requirements as well as to provide all labor and materials, whether described in full, necessary to produce complete and fully operational systems, in accordance with the intent of this document. The contractor shall ensure being aware of the operational requirements under which the systems and associated facilities are to be installed and operated. Specialized engineers of the field will ensure the installation and the final tuning of the equipment
- Any changes after the approved original design as submitted in the proposal shall be forwarded to MOI in writing for approval before incorporation and or installation. MOI will not recognize any verbal instruction in contradiction to or altering the contract Document.

Local Training:

- Bidder must comprehensively train (2) employees from the ministry's operations team for a minimum of (5) days

Warranty:

- The Contractor shall guarantee all offered equipment of the project for a period of (36) months after the date of Provisional Acceptance Certificate (PHOC). All defective units, devices or components during this period shall be replaced or repaired by the contractor, free of any extra charges to MOINFO.
 - If during the warranty period repetitive or epidemic faults take place in such a way that affects the performance, reliability, or availability of any of the project equipment, the contractor shall bear full responsibility to remedy and rectify these problems in a timely and professional matter free of any charges to MOINFO.
 - Any equipment or item that has frequent faults and errors should be replaced by new one not to be repaired more than one time.

Compliance sheet:

- All Bidders must provide a complete compliance statement sheet for all tender items including the following:

<u>Item No</u>	<u>Description</u>	<u>Comply</u>	<u>NOT Comply</u>	<u>Remarks</u>

Network components:

Switches & appliances:

Item	Part Num.	Description	Qty.
2.1	C9500-40X-E	Catalyst 9500 40-port 10Gig switch, Network Essential	1
2.2	CON-SSSNT-C95004X E	SNTC-8X5XNBD Catalyst 9500 40-port 10Gig switch, 3 years	1
2.3	C9500-NM-8X	Cisco Catalyst 9500 8 x 10GE Network Module	1
2.4	PWR-C4-950WAC-R	950W AC Config 4 Power Supply front to back cooling	1
2.5	PWR-C4-950WAC-R/2	950W AC Config 4 Power Supply front to back cooling	1
2.7	CAB-TA-UK	AC power cord for Cisco Catalyst (United Kingdom)	2
2.8	C9500-DNA-40X- E	C9500 DNA Essential, Term licenses	1
2.9	C9500-DNA- E -3Y	Cisco Catalyst 9500 DNA Essential 3 Year License	1
2.10	NETWORK-PNP-LIC	Network Plug-n-Play Connect for zero-touch device deployment	1
2.11	PI-LFAS-T	Prime Infrastructure Lifecycle & Assurance Term - Smart Lic	1
2.12	PI-LFAS-AP-T-3Y	PI Dev Lic for Lifecycle & Assurance Term 3Y	1
2.13	S9500UK9-173	Cisco Catalyst 9500 XE 17.3 UNIVERSAL	1
3.1	C9200-24P-E	Catalyst 9200 24p PoE, Network Essentials	5
3.2	CON-SNT-C920024P	SNTC-8X5XNBD Catalyst 9200 24-port PoE+, Network ess , 3 years	5
3.3	C9200-NM-4X	Catalyst 9200 4 x 10G Network Module	5
3.4	CAB-TA-UK	United Kingdom AC Type A Power Cable	5
3.5	C9200-DNA-E-24	C9200 Cisco DNA Essentials, 24-port license	5
3.6	C9200-DNA-E-24-3Y	C9200 Cisco DNA Essentials, 24-port, 3 Year Term license	5
3.7	PWR-C1-715WAC-P		5
3.8	PWR-C5-BLANK	Config 5 Power Supply Blank	5
3.9	C9200-NW-E-48	C9200 Network Essentials, 24-port license	5
3.10	NETWORK-PNP-LIC	Network Plug-n-Play Connect for zero-touch device deployment	5

4.1	C9200-48P-E	Catalyst 9200 48p PoE+, Network Essentials	20
4.2	CON-SNT-C92048PE	SNTC-8X5XNBD Catalyst 9200 48-port PoE+, Network Esse (3 years)	20
4.3	C9200-NM-4X	Catalyst 9200 4 x 10G Network Module	20
4.4	CAB-TA-UK	United Kingdom AC Type A Power Cable	20
4.5	C9200-DNA-E-48	C9200 Cisco DNA Essentials, 48-port license	20
4.6	C9200-DNA-E-48-3Y	C9200 Cisco DNA Essentials, 48-port, 3 Year Term license	20
4.7	PWR-C1-715WAC-P		20
4.8	PWR-C5-BLANK	Config 5 Power Supply Blank	20
4.9	C9200-NW-E-48	C9200 Network Essentials, 48-port license	20
4.10	NETWORK-PNP-LIC	Network Plug-n-Play Connect for zero-touch device deployment	20
5.1	C9300-48p- E	Catalyst 9300 48-port PoE+, Network Essential	2
5.2	CON-SNT-C93004PE	SNTC-8X5XNBD Catalyst 9300 48p PoE, Network Essential (3 years)	2
5.3	C9300-NM-8x	Catalyst 9300 Series 8x 10G/1G Network Module	2
5.4	CAB-TA-UK	United Kingdom AC Type A Power Cable	4
5.5	C9300-DNA- E -48	C9300L Cisco DNA Essential, 48-port license	2
5.6	C9300-DNA- E -48-3Y	C9300L Cisco DNA Essential, 48-port, 3 Year Term license	2
5.7	PWR-C1-715WAC		2
5.8	PWR-C1-715WAC	redundancy	2
	Stacking		

Misc. Appliances and Equipment:

Item	Part Num.	Description	Qty.
9.1	SFP-10G-SR-S	10GBASE-SR SFP Module, Enterprise-Class	52
9.2	Cisco QSFP-H40G-CU10M	Connect existing 6807XL cisco to Fortigate firewall 3400E	4

10.1	Wall mounted cabinets 6U (must be compatible with 9200)	25
10.2	Wall mounted cabinets 12U (must be compatible with 9500 and 9300)	2
10.3	Fiber OM3 MM – each link 8 cores (24 connection links and average 30 meters length)	24
10.4	Patch panel fiber 8 core	24
10.5	Patch panel fiber to collect multi edge patches in same location (total cores to be determined in site survey)	2
10.6	Ethernet Cable (for 50 point)	LS

Final Handing-Over Certificate (FHOC):

The MOINFO shall issue this FHOC after (supply, installation, operation and training). In case of abnormal defects, FHOC shall be delayed until restoring the equipment to the normal acceptable state. After that will be start warranty and maintenance period.

Bill Of Quantity

Part Num.	Description	Qty.	Unit Price	Total Price
C9500-40X-E	Catalyst 9500 40-port 10Gig switch, Network Essential	1		
C9200-24P-E	Catalyst 9200 24p PoE, Network Essentials	5		
C9200-48P-E	Catalyst 9200 48p PoE+, Network Essentials	20		
C9300-48- E	Catalyst 9300 48-port PoE+, Network Essential	2		
SFP-10G-SR-S	10GBASE-SR SFP Module, Enterprise-Class	52		
Cisco QSFP-H40G-CU10M	Connect existing 6807XL cisco to Fortigate firewall 3400E	4		
Wall mounted cabinets 6U		25		
Wall mounted cabinets 12U		2		
Ethernet Cables		LS		
Fiber patch cable		24		
Fiber patch panel		24		
Fiber patch panel for DS		2		
labor work		LS		
Training		2		
Total Price				