



MINISTRY OF INFORMATION AND COMMUNICATIONS TECHNOLOGY  
(MoICT)

JORDAN NATIONAL BROADBAND NETWORK

REQUEST FOR PROPOSAL  
FOR CONSULTING SERVICES FOR DESIGN REVIEW AND SUPERVISION  
OF THE PASSIVE PART AND THE ACTIVE OF THE NATIONAL  
BROADBAND NETWORK IN THE SOUTH REGION OF THE KINGDOM

MINISTRY OF INFORMATION AND COMMUNICATIONS TECHNOLOGY  
P.O.BOX 9903 AMMAN 11191 JORDAN

PROPOSAL DEADLINE:  
TENDER NO

## **Table of Contents**

<b>1</b>	<b>PROJECT OVERVIEW</b>	<b>1</b>
1.1	INTRODUCTION	1
1.2	GENERAL SCOPE OF WORK	4
<b>2</b>	<b>PROJECT REQUIREMENTS</b>	<b>4</b>
2.1	OBJECTIVES	4
2.2	DETAILED SCOPE OF WORK FOR SOUTH REGION	5
2.2.1	Implementation Phase:	5
<b>3</b>	<b>PROJECT DELIVERABLES</b>	<b>6</b>
<b>4</b>	<b>TERMS AND CONDITIONS</b>	<b>7</b>
4.1	RESPONSE LIABILITY	7
4.2	MANDATORY EXPERTISE	7
4.3	RESPONSE FORMAT	7
4.4	LEGAL TERMS	8
4.5	RESPONSE SUBMISSION	12
4.6	OPENING PROCEDURE	13
4.7	RESPONSE EVALUATION	13
4.8	FINANCIAL TERMS	14
<b>5</b>	<b>ANNEXES</b>	<b>16</b>
5.1	ANNEX A: GLOSSARY OF TERMS	16
5.2	ANNEX B: TIMEFRAMES RELATED TO PROPOSAL SUBMISSION	16
5.3	ANNEX C: LIST OF HEALTH ENTITIES AND AGGREGATE SITES ( ATTACHED AS EXCEL SHEET)	19
5.4	ANNEX D: NON DISCLOSURE AGREEMENT FORM	19

# 1 Project Overview

## 1.1 Introduction

The network envisioned for the National Broad Band Network owned by the Ministry of Information and Communication Technology (MoICT) is an optical fibre network which is scalable, affordable, simple to manage, reliable. The objective of the National BroadBand Network (NBN) is to connect all Public schools, Governmental entities, Health entities, Community colleges, and Knowledge stations).

The network design is based on point-to-point Gigabit Ethernet (GE) over fiber technology to reach the connection points.

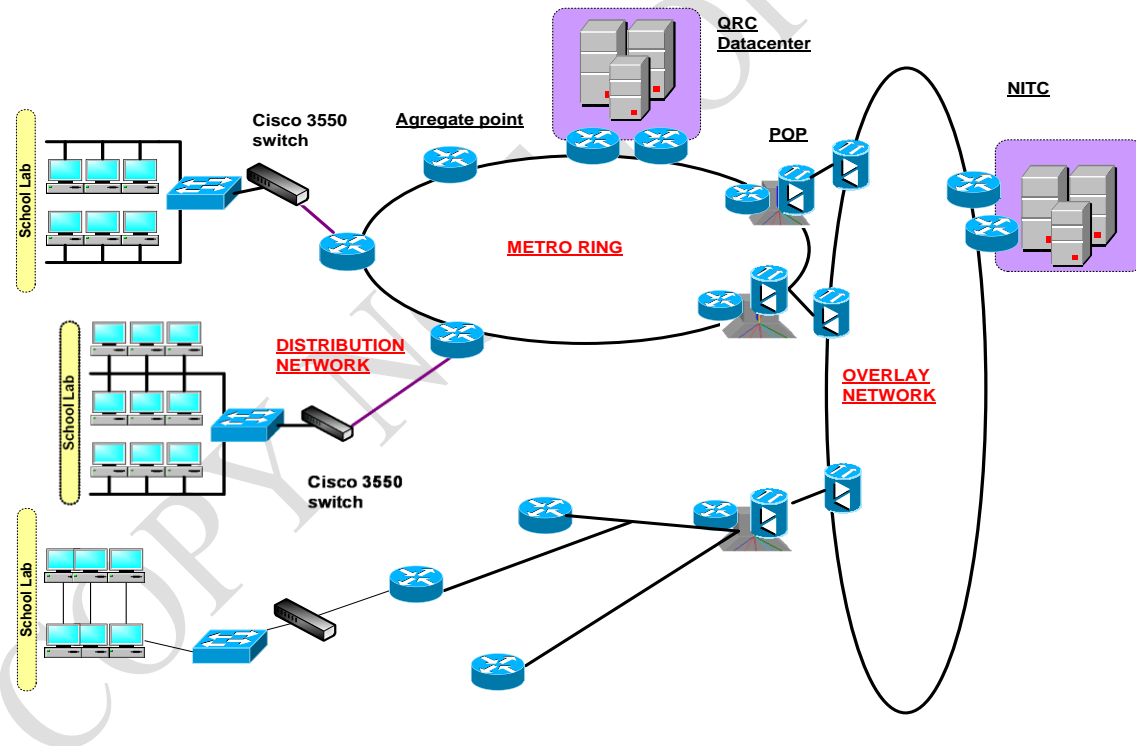


Figure 1. National Broadband Network structure

MoICT through its National Broadband Network Program has implemented parts of the NBN Network in Amman (middle phase 1) & North Region (north phase2), and parts of south region (in Aqaba) (south phase 1). Where

Middle phase I in Amman Governorate is currently deployed and contains a metro ring with 10 aggregate points connecting Schools and Government entities. The data center is located at the Queen Rania Data Centre (QRC) owned by the Ministry of Education. The QRC also serves as an aggregation point for connection points in the same area. In parallel South phase I and the Secure Government Network (SGN) are currently deployed with two Aggregate Points to connect 62 connection points in the Aqaba Governorate. south phase I contains two aggregate points located respectively in Aqaba City and Queira that are linked to the National Data Centre (QRC) located in Amman through the Amman-Aqaba overlay route. Amman-Aqaba overlay route is also deployed with four Aggregation points & 3 NEPCO substations starting from the MoICT in Amman to ASEZA in Aqaba

North Phase I is also deployed with a 17 aggregate points located between Irbid, Ramtha and Al-Mafraq.

the network has been broken up into 3 phases, Middle phase , North phase and South phase- 1. These phases are connected to each other by an Overlay Network which will provide physical connectivity between the Pops for each module and the National Data Centers. These connections will be via two 10GE connections. The required optical devices have to support the ITU standard G.652 D/G.652.B (Single Mode Optical Fiber Cable).

The overlay network is based on DWDM optical ring structure to provide a high availability and sufficient scalability for future. The Overlay ring is a combination between the optical fiber network of the National Electric Power Company (NEPCO) and the NBN own routes. The National Broadband Network is comprised of six basic building blocks as presented in:

- Connection points
- Aggregation Sites
- Metro ring networks
- National Pop
- National overlay ring network
- Hub / Data Centers and the Network Operation Centre (NOC) .

The NBN connection points consist of (Schools, Governmental entities, Health entities, Community colleges, and Knowledge stations).

- In each school, there will be some local LAN infrastructure not being part of the NBN and fully under the responsibility of the Ministry of Education. In order to provide network connectivity for the school, a network access switch is installed. This represents the demarcation point between the school and the NBN. Each school will be connected by a Gigabit Ethernet (GE) via single mode fibres to the Aggregation site.
- Any other entity except the schools, there will be some local LAN infrastructure not being part of the NBN and fully under the entity responsibility. The Demarcation point is the switch .
- The Aggregation site is comprised of a fully redundant Ethernet Switch/Router with a Firewall and an Intrusion Prevention which will be used to provide a highly secure environment. This Ethernet switch/Router can aggregate up to 64 connection points in the surrounding area.
- DWDM technology will be implemented at the overlay network level and at the metro rings and will be used to provide 10 GB connectivity to the Data Centre.
- 10 GB connectivity will be the only allowed speed between aggregate sites and the national POP
- Aggregate sites will be hosted in schools or any other place based on the needs of connection
- The existing NBN consists of the followings : 850 IP device including 35 Cisco 7613 Routes and 2 Cisco CRS-1 Routers , Cisco 3560 switch , Cisco 2950 switch ,Cisco 2960 switch and the Security devices ( Cisco FWSM 2.4,2.3, IDSM 6.0)
- for the existing NBN : Each Core Route has full single 4x10Gb interface (configurable DWDM) while National POPs have The folloiwng Config:
  - 1. Irbid inside: Cisco 7613 with one 4x10Gb Card and 1 XENPAK interface
  - 2. Irbid outside :Cisco 7613 with one 4x10Gb Card and 1 XENPAK interface
  - 3. REHAB: Cisco 7613 with two 4x10Gb Card and 2 XENPAK interface
  - 4. AIHASSAN: Cisco 7613 with two 4x10Gb Card and 2 XENPAK interface
  - 5. QUIERA: Cisco 7613 with no 10G interface

- 6. ASEZA : Cisco 7613 with no 10G interface

## **1.2 General Scope of Work**

The Ministry of Information and Communications Technology is soliciting proposals from qualified bidders for **Supervision** of the implementation and build-out of South Region (Karak ,Maan & Tafila )

The implementation of the South Region will consist of two parts as a follow:

- 1- **Passive Part:** implementing the civil works and the fiber optic works for the national broadband network in the south region.
- 2- **Active Part:** implementing active part and the overlay network of the national broadband network in the south region.

The scope of work will include design review, supervision and managing the implementation of the contractors and Quality Control/Assurance

The projected execution phase is estimated 18 (Eighteen) months to connect a total of (846) sites (medical centers, hospitals government entities, schools and the aggregate sites,), including (27) Aggregate points and (19) National POPs the total distance of the required civil works is around ( 521 ) Km , and the total length of In-Duct fiber cables is around( 838 ) Km and the total length Aerial cables (ADSS) is around (850) km .

## **2 Project Requirements**

### **2.1 Objectives**

The main objective of the Consulting Company is to assure to the MoICT an operational network in accordance with the scope of work and deliverables as defined within south Region. During the process the consulting company has to make sure agreed upon timelines, budgets and specifications with MoICT, and remain fully adhered to.

The scope of the Consulting Company shall involve the review and optimization of detailed network engineering and the network routing, the preparation of specifications and the criteria for the engagement of actual construction. Recommend construction- equipment, test & acceptance methodology and related equipment. Direct supervision over the daily

operations and construction work until project completion is required. Submission of comprehensive timely reports is an imperative part of this project management function. The Consulting company is expected to have a local setup/team dedicated for the project throughout its complete implementation phase and have sufficient experience and a proven track record in project management and supervision of large scale (nationwide) telecommunications/IT networks.

## **2.2 Detailed Scope of Work for South Region**

### **2.2.1 Implementation Phase**

#### *2.2.1.1 Supervision of duct installation:*

Ensure that the installation of cable ducts proceeds according to plan and that required RoWs, standards and codes and the related RFPs/contracts are met.

#### *2.2.1.2 Supervision of cable installation:*

Ensure that the installation of the cable proceeds according to plan and that required specifications, codes and standards and the related RFPs/contracts are met.

#### *2.2.1.3 Supervision of passive optical fiber equipment installation (e.g. splicing boxes, patch panels and terminations):*

Ensure that the installation of the optical fiber equipment proceeds according to plan and that required codes, standards and contract criteria are met.

#### *2.2.1.4 Supervision of passive fiber network testing:*

Ensure that the acceptance plan is executed as specified and that the network has been installed according to required standards and specifications +

#### *2.2.1.5 Supervision of site preparation and construction works:*

Ensure that the site preparation, site support systems and construction works are according to plan and to the required specifications, codes and standards and the related RFPs/contracts are met.

*2.2.1.6 Supervision of the network equipment installation (e.g. routers, switches, DWDM equipment):*

Ensure that the installation of the equipment proceeds according to plan and that required specifications, codes and standards .

*2.2.1.7 Progress Reports:*

Develop a detailed report documenting the progress of civil works and fiber works and installation of the network.

\*all reports templates and forms shall be approved by MOICT.

*2.2.1.8 Review of as-built drawings:*

Review the as-built drawings supplied by the Contractors for entire projects.

*2.2.1.9 Integration of the network information into Geographical Information System:*

Assure that the documentation and as-built drawing of the network provided by the Contractor are to be compatible with a GIS standard as designated by the Ministry of MOICT

### **3 Project Deliverables**

- Develop and fine-tune a work plan with the selected contractors
- Weekly detailed installation reporting and documenting of the installation (civil works, site preparation and cables) progress of the network made by field based inspectors. Weekly reporting of issues and actions taken.
- Weekly detailed installation reporting and documenting of the installation and acceptance progress of the network equipment made by field based inspectors. Weekly reporting of issues and actions taken.
- Implementation of a quality assurance and control protocol for the quality of installation for each contractor and subcontractor involved.
- Review and approve the as-built drawings provided by the Contractors for the passive and active network in south region.



Network documentation in a mode compatible with a Geographical Information System as dictated by the Ministry of MOICT.

## **4 Terms and Conditions**

### **4.1 Response liability**

This is a Request for Proposal (RFP) and shall not be construed as a request or authorization to perform work at MoICT National Broadband Network project's expense. Any work performed by a Company in connection with evaluating and responding to the RFP and, if selected, negotiating a definitive agreement will be at the Company's own discretion and expense. This RFP does not represent a commitment to contract. The Ministry of Information and Communications Technology reserves the right to reject any or all proposals at its sole and absolute discretion. Submission of a bid constitutes acknowledgment that the Company has read and agrees to be bound by such terms.

The information in this document will enable the recipient to formulate a proposal to meet the workload requirements as described in this RFP. The information in this RFP is accurate to the best effort but bidders are encouraged to verify any critical information. MoICT can not be held liable for any erroneous information. All bidders should adhere to the tendering conditions required by this document; any failure will result in disqualification.

### **4.2 Mandatory expertise**

Bidders must have :

The key members of the proposed team must have the proper experience, and qualifications for this project as per annex 3A.

### **4.3 Response format**

Proposals must be submitted in the following format:

#### **Financial proposal**

The financial proposal should be inclusive of all Government fees and taxes, and should include a cost summary and a detailed cost analysis section. The cost summary specified below must provide an all-inclusive fixed price for the overall program and a pricing per deliverable comprising the full scope of work associated with each deliverable. The supporting

detailed cost analysis should provide a breakdown and details of the pricing. The hourly rates and expenses for any consultants should be included separately along with the time for which they will be required. The bidder will provide separately all professional fees and expenses (travel, project equipment, accommodation and subsistence) for the duration of the project. The pricing must detail the relation between deliverable and cost for each item.

**Sealed proposals shall be clearly identified and must be received prior to the time and date specified in this RFP. Proposal received after the said time and date will not be accepted or considered.**

#### **4.4 Legal Terms**

Bidders should take into consideration the following terms when preparing their proposals:

1. A business registration certificate should be provided with the proposal.
2. To avoid conflict of interest, the winning bidder, or its subsidiary is not allowed to participate in any other tenders issued (e.g. civil works, optical fiber supply and installation, equipment supply and installation) related to this project.
3. Effective period of proposal of 120 days after proposal due date, shall be binding on all bidders.
4. The tendering committee may solicit the bidders' consent to an extension of the proposal validity period. The request and responses there to shall be made in writing or by fax. If the bidder agrees to prolong the period of validity, the proposal shall also be suitably extended., however, in its discretion; the tendering committee may cease further review and considerations of such bidder's proposal. A bidder granting the request will not be required nor permitted to modify its proposal, except as provided in this RFP.
5. MOICT reserves the absolute right to accept or reject any Proposal or to annul or cancel the bidding process and reject all Proposals at any time without any liability to the Bidders or any

- other party and without any obligation to inform the Bidders of the grounds for its action.
6. As part of the proposal, any requirement that results in recommending future solutions shall be articulated in such a way that facilitates procurement.
  7. MoICT reserve its right to award the proposal in parts or as a whole.
  8. The successful bidder will be expected to provide a single point of contact to which all issues can be escalated. MoICT will provide a similar point of contact.
  9. The successful bidder will be responsible for providing their own equipment, secretarial and other resources, insurance, medical provisions, visas and travel arrangements. MoICT will take no responsibility for any non-Government of Jordan resources either within Jordan or during travel to/from Jordan.
  10. The successful bidder must agree to evaluate any proposed solutions for implementation following assessment. The fee for any additional service will be negotiated based on prices in proposal for this assessment.
  11. The selected bidder must mobilize his team within two week of signing the agreement.
  12. Bidders must submit a Non Disclosure Agreement signed by a duly authorized representative of the company as part of the response to this Request for Proposal (RFP). All members of the bidder's team, their agents and business partners involved in the project must each sign an individual Non Disclosure Agreement. All bidders are obliged to maintain the confidentiality of information obtained and/or exchanged while working on the RFP. All of the information contained in this RFP shall be deemed to be "Confidential Information" within the meaning of the NDA and shall be treated accordingly. Such information may not be copied, disclosed or distributed to any other person without the prior written consent of MoICT as per Annex D.
  13. Bid Bond (Proposal security) for this tender is not required.
  14. There will be an unconditional performance bond of 10% of the total value of the bid. The bidder must complete the appropriate forms, which shall be included with the tender documents.
  15. The Bidder accepts to comply with all provisions, whether explicitly stated in this RFP or otherwise, stipulated in the Public

Works By-Law No. 71 of 1986, the General Tendering Instructions of 1987 and the modifications thereafter.

16. The Bidder accepts to comply with all provisions, whether explicitly stated in this RFP or otherwise, stipulated in the sample Arabic Version of the agreement that will be signed with the successful bidder
17. All materials developed are the property of MoICT upon conclusion of work. If the second party wishes to sharing any part of this information as reference or otherwise.; then written consent must be obtained from the first party before sharing
18. No bidder shall contact MoICT or its employees or the tendering or evaluation committees on any matter relating to its proposal to the time the contract is awarded. Any effort by the bidder to influence MoICT, its employees, or the involved committees in the tendering committee's proposal evaluation, proposal comparison, or contract award decision will result in rejection of the bidder's proposal
19. Bidders are responsible for the accuracy of the information submitted in their proposals. MoICT reserves the right to request original copies of any document submitted for review and authentication prior to awarding the tender.
20. MoICT requires that all parties to the contracting process observe the highest standard of ethics during the procurement and execution process. In pursuance of this policy, MoICT defines, for the purposes of this provision, the terms set forth below as follows:
  - **“Corrupt practice”** means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and
  - **“Fraudulent practice”** means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of MoICT, and includes collusive practice among Bidders (prior to or after proposal submission) designed to establish proposal prices at artificial non-competitive levels and to deprive MoICT of the benefits of free and open competition;  
MoICT will reject a proposal for award if it determines that the

Bidder has engaged in corrupt or fraudulent practices in competing for the contract in question.

21. Only the laws and regulations of The Kingdom of Jordan shall apply to awarded contracts.
22. The Successful Bidder shall perform the Services and carry out their obligations with all due diligence, efficiency, and economy, in accordance with the highest generally accepted professional techniques and practices, and shall observe sound management practices, and employ appropriate advanced technology and safe methods. The Successful Bidder shall always act, in respect of any matter relating to the execution of the Services, as faithful adviser to The MOICT, and shall at all times support and safeguard The MOICT's legitimate interests in any dealings with third parties
23. All plans, drawings, specifications, designs, reports, and other documents and software submitted by the Successful Bidder in accordance shall become and remain the property of The MOICT, and the Successful Bidder shall, not later than upon termination or expiration of the Contract, deliver all such documents and software to The MOICT, together with a detailed inventory thereof. Restrictions about the future use of these documents, if any, shall be specified in the Special Conditions of the Contract.
24. The MOICT reserves the right to furnish all materials presented by the Successful Bidder at any stage of the Project, such as reports, analyses or other any other materials, in whole or part, to any person. This shall include publishing such materials in the press, for the purposes of informing, promotion, advertisement and/or influencing any third party, including the investment community.
25. Nothing contained herein shall be construed as establishing a relation of principal and agent as between The MOICT and the Successful Bidder. The Successful Bidder have complete charge of Personnel and subcontractors, if any, performing the Services and shall be fully responsible for the Services performed by them or on their behalf hereunder
26. Except as The MOICT may otherwise agree, no changes shall be made in the key Personnel or sub-contractors approved by MOICT. If, for any reason beyond the reasonable control of the Successful Bidder, it becomes necessary to replace any of such, the Successful Bidder shall provide as a replacement a person of equivalent or better qualifications. If the MOICT finds that any of the Personnel have (i)

committed serious misconduct or have been charged with having committed a criminal action, or (ii) have reasonable cause to be dissatisfied with the performance of any of the Personnel, then the Successful Bidder shall, at The MOICT's written request specifying the grounds thereof, provide as a replacement a person with qualifications and experience acceptable to The MOICT. The Successful Bidder shall have no claim for additional costs arising out of or incidental to any removal and/or replacement of Personnel

27. The proposal shall be submitted in Arabic language.

#### 4.5 Response Submission

Bidders must submit all their proposals (**1 original and 2 copies** in hard copy and **2 copies** in soft copy(CD-ROM) [should be submitted to the Ministry of Information and Communications Technology no later than **12:00 pm on .../.../2016(Amman local time)**. **Late submissions will not be considered** and in case of discrepancies between the hardcopy and the softcopy of the proposals, the hardcopy marked as original will be considered the official copy. Proposals may be withdrawn or modified and resubmitted in writing any time before the submission date as outlined in the Legal Terms section.

Proposals may be hand-delivered or sent by mail to the following address. If sent by mail, the proposals must be received by MoICT no later than **02:00 pm on .../.../2016**.

Tendering Department – 3<sup>rd</sup> floor  
Ministry of Information and Communications Technology  
8<sup>th</sup> circle  
P.O.Box 9903  
Amman 11191 Jordan  
Tel: 00 962 6 5805741 Fax: 00 962 6 5861059

- Proposals must be submitted clearly marked, respectively, as follows:  
Consulting services for South Region of the National Broadband Network – **Financial Proposal**- -<<company name>>”

MoICT will not be responsible for premature opening of proposals not clearly labeled.

## **Exceptions and Alternatives**

The bidder will comply with any and all requirements as specified in the RFP document. Any stipulation or qualification made by the bidders contrary to the RFP requirements in or accompanying proposals as a condition for the acceptance of the contract by the bidder may not be considered in the award of the contract and may cause the rejection of the entire proposal.

### **4.6 Opening procedure**

the offers may be opened in front of the official representatives of all bidders at submission date.

### **4.7 Response Evaluation**

All responses to the RFP will be evaluated and be selected on the basis of “**lowest proposal price**”.

proposals shall be reviewed and evaluated by the Special Tendering Committee.

The Ministry of Information and Communications Technology reserves the right not to select any offer. The Ministry of Information and Communications Technology also assumes no responsibility for costs of bidders in preparing their submissions.

- Screening /Disqualification Criteria  
Lack of commitment by the bidder in any of the following conditions is considered a violation of the tender invitation and therefore the proposal will be excluded :

<b>Reasons for immediate disqualification of tender</b>	
1	Corrupt or Fraudulent Practice
2	Any reservations or deviation from RFP conditions and requirement can cause immediate disqualification
3	Late submission of proposal after specified closing date and time.

## 4.8 FINANCIAL TERMS

Bidders should take into consideration the following general financial terms when submitting their proposals:

1. All prices shall be quoted in Jordanian Dinars.
2. All prices should be inclusive of all Government fees and taxes.
3. The type of contract will be a fixed price contract including both professional fees and all expenses (Travel, accommodation, per diem allowances and all others). Detailed information must be provided about the fees for all personnel involved and associated tasks. This information will be binding in case the contract needs to be extended based on mutual agreement of contractor and MoICT on the duration of the extension.
4. The bidder shall bear all costs associated with the preparation and submission of its proposal and MoICT will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the proposal process.
5. The bidders shall furnish detailed information listing all commissions and gratuities, if any, paid or to be paid to agents relating to this proposal and to contract execution if the bidder is awarded the contract. The information to be provided shall list the name and address of any agents, the amount and currency paid and the purpose of the commission or gratuity.
6. The winning bidder has to pay the fees of the RFP advertisement issued in the newspapers before contract signature.
7. The MoICT is not bound to accept the lowest bid and will reserve the right to reject any bids without the obligation to give any explanation.

Bidders must take into consideration the following payment terms:

Payments will be distributed among the successful submission and acceptance by MoICT of the deliverables and milestones defined in the scope of work and as specified in the Contract according to the table below.



Deliverables/Milestone	Payment
(All Supervision Tasks mentioned in the detailed scope of work)	Based on submitting the time sheet of the resources along with requested reports and it will be paid on monthly basis.

8. The MoICT takes no responsibility for the costs of preparing any bids and will not reimburse any Bidder for the cost of preparing its bid whether successful or otherwise.
9. The proposal shall be signed by the bidder or a person or persons duly authorized to bind the bidder to the contract. All of the pages of the proposal shall be initialed by the person or persons signing the proposal.
10. Any interlineations, erasures or overwriting shall only be valid if they are initialed by the signatory (ies) to the proposal.
11. The bid shall contain an acknowledgement of receipt of all Addenda to the RFP, the numbers of which must be filled in on the bid form supplied with this RFP.

## 5 ANNEXES

### 5.1 Annex A: Glossary of Terms

<b>Term</b>	<b>Description</b>
RFP	Request For Proposal
MoICT	Ministry of Information and Communications Technology
QRLRC	Queen Rania Learning Resource Center
PMU	Project Management Unit in MoICT
RoW	Right of Ways

### 5.2 Annex B: Timeframes related to proposal submission

<b>Item</b>	<b>Date</b>
RFP publication	.././2016
Final date to purchase RFP	.././2016
<b>Proposal deadline</b>	<b>.././2016, 2:00 pm</b>

## Annex 3A

الرقم	الوصف والخبرة والكوادر	العدد	المدة شهر
1	مدير مشروع: بمؤهل في الهندسة الكهربائية/اتصالات بخبرة لا تقل عن (10) سنوات من ضمنها خبرة متخصصة في مجال الإشراف وإدارة مشاريع البنى التحتية للاتصالات على لا تقل عن (8) سنوات (مشروعين مشابه على الأقل على ألا تقل قيمة كل مشروع عن خمسة ملايين دينار أردني) .	1	18
2	مهندس بنية تحتية : بمؤهل في الهندسة المدنية بخبرة بخبرة لا تقل عن (10) سنوات من ضمنها خبرة متخصصة في مجال البنى التحتية لا تقل عن (8) سنوات في التنفيذ أو الإشراف على شبكات البنية التحتية وملحقاتها ( الطرق) (مشروعين مشابهين على ألا تقل قيمة المشروع عن خمسة ملايين دينار أردني)	1	13
3	مهندس موقع: بمؤهل في الهندسة الكهربائية / الاتصالات بخبرة عامة لا تقل عن (10) سنوات, من ضمنها خبرة متخصصة لمدة لا تقل عن (8) سنوات في تنفيذ أو الإشراف على شبكات كوابل الالياف الضوئية و بناها التحتية وملحقاتها (مشروعين على الأقل)	1	13
4	مهندس اختصاص: بمؤهل في الهندسة الكهروميكانيك بخبرة عامة لا تقل عن (10) سنوات, من ضمنها خبرة متخصصة لمدة لا تقل عن (8) سنوات في تنفيذ أو الإشراف على أنظمة UPS , Fire fighting, Air conditioning (مشروعين على الأقل)	1	18
5	حاسب كميات: خبره عامه لا تقل عن (10) سنوات , من ضمنها خبرة متخصصة لمدة لا تقل عن (8) سنوات كحاسب كميات في مشاريع البنى التحتية وعل أن يكون مجتازاً للإمتحان وزارة الأشغال العامه والإسكان ./	1	13
6	مهندس اختصاص: Senior System Engineer بمؤهل في الهندسة الكهربائية / الاتصالات أو هندسة الكمبيوتر بخبرة عامة لا تقل عن (10)	1	18

		سنوات, من ضمنها خبرة متخصصة لمدة لا تقل عن (8) سنوات في مجال الاتصالات IP واجهزة الربط الخاصة بشبكات الالياف الضوئية DWDM ، (وبحيت يكون مؤهلاً للعمل على اجهزة شبكات النطاق العريض)	
18	2	مهندس اختصاص: Senior Network Engineer بمؤهل في الهندسة الكهربائية / الاتصالات أو هندسة الكمبيوتر بخبرة عامة لا تقل عن (10) سنوات في مجال شبكات الاتصالات ( IP ) من ضمنها خبرة متخصصة لا تقل عن (8) سنوات في مجال الشبكات IP/MPLS على أن يكون حاصلاً على الشهادات الخاصة بالشركة الموردة للأجهزة ( ان وجدت )	7
13	2	فنيي كوابل اتصالات : بخبرة لا تقل عن (10) سنوات في مجال شبكات كوابل الألياف الضوئية و تلحيم و فحص هذه الكوابل.	8
13	2	مراقب أعمال مدنية : بخبرة لا تقل عن (10) سنوات في مجال أعمال البنية التحتية الإشراف أو التنفيذ أو كليهما	9
13	1	مهندس مساحة: بخبرة لا تقل عن (10) سنوات في مجال نظام المعلومات وأعمال المساحة الميدانية (GIS) الجغرافية	10
13	2	مهندس حديث التخرج يتم تعيينه من ضمن منطقة العمل ويراتب حسب الحد الأدنى لنقابة المهندسين الأردنيين	11
18	1	دعم المكتب الرئيسي	12

**5.3 Annex C: List of Public schools, Governmental entities, Health entities Aggregate sites ( Attached as Excel sheet)**

**5.4 Annex D: Non-Disclosure Agreement Form**

**Confidentiality Undertaking**

---

This Undertaking is made on [DATE] by [NAME] “[Contractor]” to the benefit of the Ministry of Information and Communications Technology, “[Principal]” [8th Circle, P.O. Box 9903, Amman 11191 Jordan].

**WHEREAS**, MoICT possesses certain financial, technical, administrative and other valuable Information (referred to hereinafter as Confidential Information)

**WHEREAS**, [Contractor], while performing certain tasks required by the Principal in connection with the ..... (the Project), did access such Confidential Information,

**WHEREAS**, the Principal considers the Confidential Information to be confidential and proprietary.

**Confidential Information:**

As used in this Agreement, the term “Confidential Information” means all information, transmitted by Principal or any of its subsidiaries, affiliates, agents, representatives, offices and their respective personnel, consultants and sub- contractors, that is disclosed to the Contractor or coming to his knowledge in the course of evaluating and/or implementing the Project and shall include all information in any form whether oral, electronic, written, type written or printed form. Confidential Information shall mean information not generally known outside the Principal, it does not include information that is now in or hereafter enters the public domain without a breach of this Agreement or information or information known to Contractor by Third Party who did not acquire this information from Principal ” .

The Contractor hereby acknowledges and agrees that:

- (1) The Confidential Information will be retained in the Principal’s premises and will not be moved without the express written consent of

the Principal. All Confidential Information shall be and remain the property of the Principal, and such Confidential Information and any copies thereof, as well as any summaries thereof, shall be promptly returned to the Principal upon written request and/or destroyed at the Principal's option without retaining any copies. The Contractor shall not use the Confidential Information for any purpose after the Project.

(2) It will use all reasonable means and effort, not less than that used to protect its own proprietary information, to safeguard the Confidential Information.

(3) the Contractor shall protect Confidential Information from unauthorized use, publication or disclosure.

(4) It will not , directly or indirectly, show or otherwise disclose , publish, communicate, discuss , announce, make available the contents of the Confidential Information or any part thereof to any other person or entity except as authorized in writing by the Principal.

(5) It will make no copies or reproduce the Confidential Information, except after the Principal's written consent.

**Remedy and damages:**

The Contractor acknowledges that monetary damages for unauthorized disclosure may not be less than 20% of the Project and that Principal shall be entitled, in addition to monetary damages and without waiving any other rights or remedies, to such injunctive or equitable relief as may be deemed proper by a court of competent jurisdiction.

**Employee Access and Control of Information.**

It is understood that the Contractor might need from time to time to discuss the details of Confidential Information with other individuals employed within its own or associated companies or approved **sub-contractors** in order to support, evaluate, and/or advance the interests of the subject business transaction. Any such discussion will be kept to a minimum, and the details disclosed only on a need to know basis.

Prior to any such discussion, the Contractor shall inform each such individual of the proprietary and confidential nature of the Confidential Information and of the Contractor's obligations under this Agreement. Each such individual shall also be informed that by accepting such access, he thereby agrees to be bound by the provisions of this Agreement. Furthermore, by allowing any such access, the Contractor agrees to be and remain jointly and severally liable for any disclosure by any such individual or **sub-contractor** that is not in accordance with this Agreement.

**Miscellaneous.**

The obligations and rights of the Parties shall be binding on and inure to the benefit of their respective heirs, successors, assigns, and affiliates. This Agreement may be amended or modified only by a subsequent agreement in writing signed by both parties. Contractor may not transfer or assign the Agreement or part thereof. No provision of this Agreement shall be deemed to have been waived by any act or acquiescence on the part of the Principal, its agents or employees, nor shall any waiver of any provision of this Agreement constitute a waiver of any other provision(s) or of the same provision on another occasion. This Agreement shall be construed and enforced according to Jordanian Law. The Contractor hereby agrees to the jurisdiction of the Courts of Amman, Jordan and to the jurisdiction of any courts where the Principal deems it appropriate or necessary to enforce its rights under this Agreement.

**Term of Agreement.**

The obligations of the parties under this Agreement shall continue and survive the completion of the Project and shall remain binding even if any or all of the parties abandon their efforts to undertake or continue the Project.

IN WITNESS WHEREOF, the Contractor hereto have executed this Agreement on the date first written above.

**Consultant:**

**By:** \_\_\_\_\_

**Authorized Officer**