

# **Request for Quotations for selection of Vendor for works related to Local Area Networking and Virtualization under the Ocean Partnership Project (TF 018233)**

**Last Date: 13 August 2016 (before 6 PM)**

**Date of opening of Technical Bid: 11 AM 16 August 2016**

**Date of opening of Financial Bid: 5 PM 16 August 2016**

## **1.0 THE PROJECT**

---

The Bay of Bengal Programme Inter-Governmental Organisation (BOBP-IGO) has received grant from the World Bank toward implementation of the Ocean Partnership for Sustainable Fisheries and Biodiversity Conservation – Models for Innovation and Reform: Bay of Bengal Project (TF 018233) and intends to apply part of the proceeds for Local Area Networking (LAN) and Virtualization.

### **Objective of Tender**

Through this tender, the BOBP-IGO envisages empaneling a vendor for Supply, Installation, and Commissioning of LAN with Virtualization on all structured cabling, provisioning and maintenance of active and passive networking components meeting the client departments/ own requirements, as the case may be.

The scope of work is detailed in the following section of the document.

The BOBP-IGO now invites eligible vendors to indicate their interest in providing the Services. Interested vendors should provide information demonstrating that they have the required qualification and relevant experience to perform the Services. The shortlisting criteria are: company profile, adequacy for the assignment and experience in performance of services of similar nature and under similar conditions (relevant references to be provided).

### **Procedure for responding to Tender:**

Interested vendors should submit two sealed envelopes clearly marked as:

**“TECHNICAL BID FOR WORKS RELATED TO LOCAL AREA NETWORKING AND OFFICE VIRTUALIZATION UNDER THE OCEAN PARTNERSHIP PROJECT (TF 018233)”**

**AND**

**“FINANCIAL BID FOR WORKS RELATED TO LOCAL AREA NETWORKING AND OFFICE VIRTUALIZATION UNDER THE OCEAN PARTNERSHIP PROJECT (TF 018233)”**

Along with necessary document for pre-qualification (Section 3) to:

**Mr V Sreenivasan  
Administrative Officer  
Ocean Partnership Project  
Bay of Bengal Programme  
Inter-Governmental Organisation  
91, Saint Mary’s Road, Abhirampuram  
Chennai 600 018, Tamil Nadu**

**The Bids should be prepared in accordance with the Format given in the annexes.**

**The bid document should reach us on or before 13<sup>th</sup> August 2016 (6 PM).**

## **2.0 SCOPE OF WORK**

---

The empaneled vendors will be required to carry out the below mentioned activities. All such works performed may be audited by a third party as may be appointed by the BOBP-IGO.

- (A) SERVER with Domain Controller Deployment & VIRUALISATION
- (B) NAS-Network Area Storage Implementation
- (C) Office Enterprise Wi-Fi –System
- (E) Network Security-Firewall Implementation
- (D) Office LAN-Structured Cabling and Commissioning
- (E) Power Back up Solution (UPS) for Network storage and individual machines.
- (F) Supply and installation (floor-mounted) of Large Format Display (LFD) for media purposes.

**Area of Work:** Single Building Level

**Size of Network:** Less than or equal to 50 nodes

### **Network Technology:**

- (A) Copper Network
- (B) Intelligent Cable Management
- (C) Compatibility with High Definition (HD) format.

## **2.1 Conditions**

### **2.1.1 Supply and installation of LAN components**

Empaneled vendor will be required to supply and install the LAN components as per the given schedule, as desired by BOBP-IGO.

- The empaneled vendor will be required to survey and submit the LAN Design document within 7 days of receiving the Work Order from BOBP-IGO. The LAN design document should detail out the network connectivity strategy, including network scalability, traffic flow management, bandwidth optimization strategy, security strategy, bill of material, LAN drawings, etc.
- The components should be IPv6 ready. The vendor may have to deploy the LAN on IPv4/IPv6, as desired by the user/Department. The LAN cabling works must be carried out using a structured cabling design with proper labeling of cables at ends, crimping of cables, fixing of patch panels, and proper fixing of LAN cables in PVC conduits or raceways along with the necessary activities. The cabling/crimping must follow TIA /EIA 568-C standards, or above.
- The vendor needs to ensure that Service Level Agreements (SLAs) are met, as per the conditions of this contract. All installation works are to be carried out as per the relevant IEEE standards (ISO/IEC 11801:2002, EIA/TIA 568 C.2, EIA/TIA 568B.2-10, EIA/TIA 568B.2-1).
- As a part of implementation, vendor will be required to configure the active devices that are brought under this contract. In case of augmentation or any other change,

vendor may be required to configure the active pre-existing devices.

- The vendor is required to provide warranty for 3 years for all the supplied components.
- The vendor will be responsible for repair or replacement of the component(s), as per the case.
- The vendor will be responsible for coordination with the OEM for replacement or repair, and must ensure that the desired action is performed within 10 working days.

### **2.1.2 Supply and Installation of LFD**

- **The vendor should ensure supply of a 55 Inch HD Signage commercial display from a reputed brand with three years' warranty from the manufacturer.**
- **The vendor should ensure that the device is compatible with Wi-Fi network.**
- **The vendor will be responsible for floor-mount installation and configuration.**

### **2.1.3 Quality checks**

The vendor should ensure the following quality checks:

- CAT 6 UTP Cable.
- Installation of IO/Patch Panel/ Rack/ Switch and System Integration.
- All Installation should be with proper fittings.
- All equipment's quoted should be of reputed brand/make.
- Indoor UTP Cable Laying through PVC Pipe, Casing including all materials.
- Installation of IO/Crimping/Patch Panel/ Rack/ Switch and System Integration.
- Laying and Termination of CAT6 UTP Cable. All cabling must be "structured".
- Network Documentation (on Paper and CD).
- Labeling of Cables, I/Os, Jack Panel, Switches for new connections.
- Repair/Refurnishing work owing to damage caused due to cabling or any other work related to this Project. There should not be any hanging or uncovered wire.
- Patch cord should be branded and factory crimped.
- Equipment furnished shall be complete in every respect with all mountings, fittings, fixtures and standard accessories normally provided with such equipment's and/or needed for erection, completion and safe operation of the equipment as required by applicable codes, though they may not have been specifically detailed in the tender document, unless included in the list of exclusions. All similar standard components/parts of similar standard equipment's provided, shall be inter-changeable with one another.
- The installation of equipment shall be accepted only after installation tests are over.

### **2.1.4 Testing and Documentation**

The vendor has the responsibility of performing necessary tests on the installed LAN equipment using appropriate testing methodology and tools to ensure the desired level of performance and to submit a detailed test report. The vendor should provide the customer with complete documentation of the network topology, type(s) of cabling used, wiring map showing all cross-connects and end points, and labeling of each cable. The location of hubs, switches, concentrators, repeaters, patch panels, and any other active or passive interconnecting hardware should also be recorded. Within the network design, all special devices such as gateways, routers, switches and bridges not only must be recorded as to

their location but should also include detailed documentation regarding any unique setup information.

### **2.1.5 Additional support for LAN during the warranty period**

The vendor may be required to provide on-call support in order to meet the SLAs. The vendor will be responsible to facilitate the warranty services provided by the OEMs. The vendor will be responsible for providing troubleshooting support for all networking related issues.

## **3.0 PRE-QUALIFICATION AND SELECTION PROCEDURE**

---

The vendors fulfilling the following criteria are eligible to bid for tender:

1. The vendor must have a turnover of not less than Rs. 50 lakhs in each of the last three years.
2. The vendor should have valid Sales Tax, Professional Tax, Shop Establishment Registration and should be able to produce the copy/documentary evidence of the same.
3. Minimum 3 years of experience in the similar field.
4. Must have completed at least 5 assignments of Rs. 10 lakhs or more for implementation of LAN and office virtualization/setting up of data center with minimum 50 nodes for any State/Central Department/organization/PSUs/registered private companies during the last three years. Copy of complete work order/agreement/purchase order and successful completion certificate from the client should be submitted along with the application.

***Only those firms who qualify Vendor Prequalification will qualify for Technical Qualification.***

### **3.1 Technical requirement for manpower to be deployed by the successful vendor**

The Project Manager should possess qualification and experience as mentioned below and should be above 18 years:

#### **Educational Qualification:**

- (a) BE/B. Tech with specialization in Computers/ Electronics & Communications or equivalent/ MCA/ Degree in Information Technology.
- (b) More than 5 years of experience in Project Management and Planning.
- (c) Experience of managing at least 5 projects of the similar nature.

### **3.2 Selection Procedure**

A three-stage selection process will be followed for the selection of the Vendors.

In stage 1, a duly constituted Technical Evaluation Committee (TEC) will first select vendors on the basis of prequalification criteria of this tender. The Bids conforming to the pre-qualification criteria will be considered for Technical evaluation.

In Stage 2, technical evaluation will be carried out by the TEC based on the following criterion:

- Experience of implementing LAN projects in India (Max: 30 Marks).
- Technical presentation for 20 mins (Max 80 Marks). The Technical presentation must contain the details such as: 1. Key considerations while implementation of LAN project. 2. Quality of products quoted in the bid. 3. Key steps in implementation of Campus LAN. 4. Detailed Testing Methodology, Tools and Techniques. 5. Details of Documentation Process and Scope of Documentation. 4. Key challenges faced and proposed solutions in implementation of Data Centre LAN.

Only the prospective vendors with a total score over 70 will be short listed. If any prospective vendor does not achieve the required score, the present call for Tender will be cancelled and a new call for proposals will be issued.

In stage 2, financial proposals from the short-listed vendors will be opened. The prospective vendor with lowest bid will be offered the work.

If considered necessary, Revised Financial Bids will be called from the technically short-listed vendors, before opening the original financial bids for recommending the final empanelment.

In the event of revised financial bids being called for, the revised bids should NOT be higher than the original bids, otherwise the bid shall be rejected.

### **3.3 Implementation Arrangements**

The selected vendor should initiate the work within 15 days of receiving the work order. Otherwise, the work order will be cancelled and a new call will be issued. The work should be completed within 15 days of initiation. Failing so, without a reason acceptable to the BOBP-IGO may lead to cancellation of the work order. Any investment made by the selected vendor till that point will be forfeited.

**Notwithstanding the above, the purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of the contract.**

\*\*\*

### Annex 1: Format for preparation of profile of the vendor

#	Particulars	Description
1.	Name of the Vendor	
2.	Type of Incorporation (Sole Proprietor/Partnership/Private Limited/Limited Firm)	
3.	Year of Incorporation	
4.	Place of Incorporation	
5.	Whether any Legal/Arbitration proceedings have been instituted against the Vendor or the Vendor has lodged any claim in connection with works carried out by them. Mention Yes/No. If yes, please give details.	
6.	Service Tax No.	
7.	Sales Tax/ VAT (TIN) No.	
8.	CST No.	
9.	PAN No.	
10.	Valid ISO 9000:2001 certificate (if any). Copy to be attached	
11.	Vendor Profile	
12.	Full Address	
13.	Name of the contact person with Designation	
14.	Details of LAN/Data Centre/Office Virtualization projects executed during last three years	
15.	Turn over (Rs.) for 2015-16	
16.	Turn over (Rs.) for 2014-15	
17.	Turn over (Rs.) for 2013-14	

## Annex 2: Format for preparation for Financial Bid

<b>Bay of Bengal Programme</b> <b>Inter-Governmental Organisation</b> <b>91, Saint Mary's Road, Abhiramapuram</b> <b>Chennai 600 018</b>		Quotation Date : Quotation No : Your Ref : Contact Person : Contact No : Designation:		
Subject: Quotation for Local Area Networking and Virtualization				
S.No	Product Descriptions	Qty	Per	Amount
	<b>MATERIAL PART</b>			<b>Recommended brand</b>
1	<b>RACK SERVER</b> Intel Xenon Processor E5 /16GB RAM / 1TB*2 SAS Hard Disk/ RAID 0,1 support 5,Dual WAN port,3-years warranty			HP/DELL/IBM
2	<b>Windows 2012 R2 Standard Server</b>			
3	<b>UTM Firewall with 3 years Subscription upto 50 user</b> Firewall / VPN / Web Filtering /Application Filtering/Load Balacer/WAF Protetor / 24/7 support			Fortinet / Cyberoam / SonicWall
4	<b>Storage Rack NAS 48TB</b>			EMC2/Synology/Thecus
5	<b>Enterprise Wireless Access Point</b>			Aruba/Rukus/Ubiquity
6	<b>24 Port Unmanaged Gigabyte 10/100/1000 Switch</b>			HP/Cicso
7	<b>8 Port Unmanged Gigabyte 10/100/1000 Switch</b>			HP/Cisco/D-link
8	<b>Cat 6 24 Port JACK/Switch Panel</b>			AMP/Schneider/D-link
9	Cat6 Network Cable-in meters approximately			AMP/Schneider/D-link
10	Cat6 Data I/O Box			AMP/Schneider/D-link
11	Cat6 1-meter patch cord			AMP/Schneider/D-link
12	Cat6 2-meter patch cord			AMP/Schneider/D-link
13	<b>27U RACK</b> with full loaded accessories			D-link/Val RACK
14	Commercial LFD (55 Inch)	1		Samsung/LG
15	<b>Installation (Floor-Mounting)</b>			
16	Power Back up solution (UPS)			
17	Lobour Part-Supplying of PVC casing & pipes and Laying,Data Cable Laying ,Server Installation,Firewall Configuration,Networking 20 end terminal work and configuration -laying in meters approximately			
	<a href="#">Vat@5%(1-13)</a>			
	<a href="#">Vat@14.15%(14-16)</a>			
			<b>Amount Rs.</b>	
<b>Terms &amp; Conditions :</b>		<b>Taxes Structure:</b>  Inclusive all taxes  <b>Notes:</b>		