

LAYING OF NEW FIBER CABLES FROM FEN BUILDING 5^{TH} FLOOR TO HULHUMALE' HEADQUARTERS

Qualification of Bidders:

The bid document shall comprise the following information in the given format and order, which MWSC shall use to determine whether the Bidder possesses relevant experience, technical capacity to undertake the project works and to complete successfully in accordance to the bid. Any bid did not accompanied by the following in the given **format and order** shall be rejected by the Employer as non-responsive.

- ➤ Bid form. Must be filled stamped and signed. Amount stated in the bid document should be exclusive of GST and should tally with the amount stated in the BOQ.
- ➤ Bid Security (10,000/-)
- MIRA tax clearance (within 06 months). Must be clear.
- ➤ MNPHI Contractors Registration Certificate
 - To be eligible the bidder shall have a valid minimum registered qualification of GC01 or GC02 grade 07 at National Contractors Registration of Ministry of National Planning and Infrastructure. Bidder shall submit National Contractor registration certificate with a minimum qualification of GC01/GC02 grade 07.
- Business Registration Certificate at Economic Ministry
- Company Business Information Sheet (Economic Ministry) (Generated 1 week prior to the Bid submission deadline)
- GST Registration
- Priced BOQ. Must be filled and complete. BOQ should not be altered. Bidder's rates should not be more than two decimals.
- Work schedule. Should tally with the duration stated in Bid form
- Site Organization chart
- Resource allocation proposed for the project in the given format "Resource allocation plan" under Section II - Sample Tendering Forms
- > Experience Part 1 list of Similar Projects completed over last five years in the given format "Form of Experience" under Section-II Tendering forms.
- Experience Part 2 list of Ongoing MWSC Projects in the given format "Form of Experience" under Section-II Tendering forms. (Applicable for bidders with ongoing contract commitments with MWSC)

Scope of Works

1. Location of Work:

The site for the works proposed under this contract is in the Island of Male', Maldives

2. Description of the Works

The purpose of this project is to establish 2 direct fiber links from Fen Building (HO). Link 1 will connect HQ to Kalaafaanu Tank site and Link 2 will connect HQ to Hulhumale Operations Center. Contractor needs to lay a 4 core fiber cable to Kalaafaanu site and 12 core fiber cable to Hulhumale Operations Center and perform all the works required to test both the cables

The scope of works include design, testing both links. All bidders should do a mandatory site survey to determine the required fiber optic cable length, to determine the scope of civil work, and to determine the scope of any electrical work.

Name Code Location Details

Head Office, Fen Building HO Ameenee Magu, Male (4°10′16″N 73°30′31″E)

Kalaafaanu Site KFAN Ameenee Magu, Male (4°10′16″N 73°30′54″E)

Hulhumale Operations Center HML Nirolhu Mague, Hulhumale(4°12'10"N 73°32'23"E)

Design, Installation and Configurations for Network Expansion

- Supply all items as per BOM and technical specification.
- All bidders should do a mandatory site survey to determine the required fiber optic cable length, to determine the scope of civil work, and to determine the scope of any electrical work.
- All tools and materials required to carry out installation of the proposed solution, will be the responsibility of the contractor.
- Any civil, electrical, and mechanical works required in any site should be carried out by the contractor.
- The contractor must execute the complete installation and commissioning. Any other additional item that may be required to complete the installation and commissioning must be supply by the contractor free of cost.
- Perform site readiness assessment ensuring hardware and environment is ready for project commencement.
- A secure location for the concrete junction boxes and underground ODF should be included by the contractor in the proposal.
- Comprehensive on-site warranty including spares, support, and maintenance.
- Supply, install and test as follows

Supply, install and test as follows:

❖ KFAN

- Install the 4-core fiber optic cable as in the technical specification between Fen building site and KFAN site.
- Tier 1 fiber optic cabling testing and certification should be performed, and documented results should be included with technical documents.

+ HML

- Install the 12-core fiber optic cable as in the technical specification between Fen building site and HML site
- Tier 1 fiber optic cabling testing and certification should be performed, and documented results should be included with technical documents.

Responsibility of the contractor

- All tools and materials required to carry out installation of the proposed solution will be the responsibility of the contractor.
- Bidder or Proposer must execute the complete installation and commissioning. Any other additional item that may be required to complete the installation and commissioning must be supplied by the contractor free of cost.
- Perform site readiness assessment ensuring hardware and environment is ready for project commencement.

Warranty and Maintenance

The proposed solution all the components should provide minimum.

• One 1-Year Hardware replacement and on-site support for cable.

Any single firm, company, partnership, or other legal entity registered in the Republic of Maldives, only with 100% Maldivian shareholding parties are eligible to submit the proposal for this tender.

Bidder or proposer shall provide maintenance support for the equipment to ensure maximum performance during the Warranty period

Materials

#	Item	Qty
1	Fiber Cable	02

Specification

• Single Mode Outdoor Fiber Optic Cable

Parameter	Minimum Requirement	
Туре	Steel tape light-armoured water-resistant cable (Approx 12 Core, 7km & 4 Core 1km)	
Core Count	re Count 12 Cores, 4 Cores	
Fiber Type	Single Mode G.652D (9/125μm)	
Installation Service	Installation of Fiber Optic Cables as per scope of work - All labor and Materials, Cabling and Testing. Excavation of ground for cable laying, cabling inside and outside of building wherever required	

NOTE:

- 1. All works should be carried out in accordance with OH&S standards.
- 2. Contractor is required to obtain all necessary permits from regulatory authorities and council.
- 3. The contractor is responsible for any damages to the existing building property during construction. The contractor shall indemnify the respective party against all losses or claims.
- 4. Water and electricity are to be arranged by the contractor.
- 5. All measurements to be checked at site prior to work.

Summary of evaluation criteria with weights:

Part - A

#	Criteria	Weighting %
1	Price	70%
2	Duration	30%

Part - B

Tale 5				
#	Criteria	Capability		
3	Resource	Pass/Fail		
4	Experience	Pass/Fail		