

Expression of Interest

1. INTRODUCTION

You (“Tenderer”) are invited to submit an Expression of Interest (“Tender”) for the provision of Vessels of Opportunity (VOOs) to complete a submarine cable installation (“Services”). I.T. International Telecom Marine SRL’s (“IT”) requirements are set forth in this Expression of Interest (“EOI”) as well as in Appendices A through I attached hereto.

2. EOI TIMELINE

Issue Date of EOI	October 12, 2021
Deadline to notify of intent to submit Tender	October 18, 2021
Deadline to submit question	October 18, 2021
Deadline for Tender submission	1600 EST on October 22, 2021

3. PROJECT DESCRIPTION AND SCOPE OF WORK

This scope of work and technical description is submitted by IT for the provision of VOOs to complete a Pre-Lay Shore-End (PLSE) between shore and ≈4m water depth.

Both segments are currently on the seabed approximately 9km offshore and will be recovered using IT’s cable gear. The installation will be from offshore in. This operation will require a Main Laying Barge (MLB) and a tug to get to as close to shore as its draft allows. IT will then continue with sectional barges from wherever the MLB stopped, to shore.

Additionally, 2 workboats would be required to move the cable, cut floats, install articulated pipe, etc. as well as a fast crew boat to take the crew back to shore every night.

The sequence for the installation will be that the MLB would pick up the cable that is currently on the seabed and splice to the cable stowed onboard while having its spuds down. Once the splice is complete, the barge will lay towards shore on the pre identified route to as close as the barge/tug will allow. Once the flood tide are required to go further, the barge will need to continue as much as possible by moving on anchors. If a floated shore-end pull from the MLB is not possible the remaining cable will then be transfer to the sectional barges which then will start laying towards shore to the closest as possible (≈500m). A messenger line will then be used to pull the cable the remaining distance to shore. Once this is done and cable secured to land, the sectional barges will start applying articulated pipe by under-running the cable working seaward. The same operation will be done for the second segment. During this part of operation, the MLB might be required to hold a certain quantity of articulated pipe. At the end of each day, the fast crew boat will be required to bring the crew back ashore.

3.1 Marine Scope of Work

The scope of work for the PLSE components is to provide suitable marine working platforms meeting the below requirements for the submarine cable installation, including the platform, propulsion, transport, etc. IT will provide the additional specialized cable laying equipment and technicians to install the cable.

- a. IT will provide the necessary equipment and personnel to complete the cable installation.
- b. The following sections will outline the vessel requirements.
- c. The mobilization site remains flexible, but locations closer to Guyana and or Trinidad are preferable. Barge owner shall recommend a convenient location.
- d. The work is planned to be completed in Q1 of 2022.

The table represents an approximate overview of the project schedule without transit time between the different locations. The dates are to be confirmed once the contract is finalized.

Table 3-1: Approximate schedule

Description	# of days
Vessels mobilization of cable lay equipment	5
Duration of Operation once on site (incl. trials at site, both segments)	10-15
Vessels demobilization of cable lay equipment	3-4

*Work will be completed during day light hours.

3.2 Vessel Specifications

I. Main laying barge (MLB)

The MLB will pick up each segment. It will install the cable as close to shore as its draft allows, and then transfer cable to IT's sectional barges and standby while IT's sectional barges proceed with the shallowed portion of the installation.

The MLB will require two (2) tugs to manoeuvre precisely and may crawl on its anchors.

The expected characteristics of the MLB and associated services are as follows:

Type:	Spud-crane barge or similar
Class:	Approved Classification Society member of IACS
Region of Navigation:	Guyana
Free deck space:	≈ 15m x 30m minimum for deck cable operations
Draft:	Capable of operating in less than 2m of water depth. Preference will be given to MLB's with minimal draft.
Deck strength	Able to support approx. 50MT
Spud/Anchors	- 2 spuds in spud well - Anchors System (4 to 6)
Internet supply:	Optional: Is required with a minimum of two (2) connections for clients see EEPG GP requirements detail.
Speed:	FOC Installation speed 0.5 to 4 km/hrs
Equipment	- Proper fendering all around to allow equipment transfer to small boat - Yokohamas for tug support - Deck crane for spuds, anchors and general deck work.

Tugs/push boat	- The tugs/push boats must be sufficient to be able to manoeuvre the barge at full load (approx. 50MTper segment). - Tug/psu boat should have visual navigation software (WindFrog or similar) - Able to work in 2m or less of water depth
Captain & Crew:	English speaking mandatory. Barge shall be manned with minimum crew in accordance with flag requirements.

II. Fast Crew boat

This vessel will be used to transport the crew in and out of the MLB every morning and every night. This vessel could be required to stay alongside or near the barge during operations to provide shelter and amenities during the day.

Type	Fast Crew boat
Class	N/A
Region of Navigation	Guyana
Capacity and meals	Able to transport and feed a minimum of 25 people (3 meals/day)
Draft	Capable of operating in 0 to 2m water depth
Power & Speed	Transit Speed of minimum 9 to 10 knots;
Captain & Crew	English speaking mandatory. Vessel shall be manned with minimum crew in accordance with flag requirements.

III. Support vessel / workboat

This vessel will be used to support the cable landing operation. It will carry and transfer articulated pipe from the MLB to IT's sectional barges, support crew change if required; cut away pillow or A3 type floats from the cable and recover them, etc. It may also be required to assist in maneuvering the sectional barges.

Type	Shallow draft workboat
Class	N/A
Region of Navigation	Guyana
Capacity	Capacity to carry 1-2 crates of articulated pipe (See appendix H)
Draft	Capable of operating in 0 to 2m water depth
Power & Speed	Transit Speed of 9 to 10 knots;
Person on board	Number of IT Crew: 1 Number of IT's Client Representative: 0
Captain & Crew	English speaking mandatory. Vessel shall be manned with minimum crew in accordance with flag requirements.

4. CONTACTS

Please submit all documents or any requests for clarifications to the following contact:

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