



General Part

KM3NeT Interconnection Links

Tender Nikhef

Version 12 July 2021

Nikhef

Abstract

This describes the qualification and selection procedure for the European tender of interconnection links

Recipients

Tendered

1 Introduction- Objective of tender

The KM3NeT collaboration aims to continue the realization of an underwater infrastructure for the implementation of an underwater neutrino observatory, and instrumentation for marine and environmental sciences. It is located approximately 40 km south of Toulon at a depth of 2500 m. The observatory consists of a set of deep-sea connections for scientific instruments installed on instrumented lines (Deployment Units, or DUs), organized in a network linked to the land. The observatory near Toulon is configured for the study of neutrino properties (ORCA-Oscillation Research with Cosmics in the Abyss).

The purpose of the seabed network is to provide power and information transmission between the land and the instrumented lines via a submarine electro-optical cable to a node equipped with user ports and electro-optical links. In parallel to the power, single-mode fibre-optic links ensure the transit of scientific data from the instrumented lines, as well as command and control orders.

Underwater connectors have already been installed during the previous phases of the project, which **means that the products of this framework agreement must be fully compatible with existing ones already supplied.**

The final submarine network consists of 4 network nodes. One node allows the connection of 6 to 9 chains of 4 DUs, i.e., a maximum of 36 DUs, as well as instrumentation for the associated sciences through user ports (see Requirements document).

The user ports are electro-optical (hybrid) wet-mateable connectors.

This contract concerns the supply and delivery of interconnection links between the node and the DUs.

2 Tender: General Conditions

The "Requirements document KM3NeT interconnection links" (version 8 July 2021) is binding for the specifications of the Interconnection links provided.

The Contracting Authority is Nikhef, an institute of the Stichting NWO-I.

3 Time schedule of phases and progress reports

All participants in the tender shall complete their delivery of the

- The provision of 6 “Y” type DU-interconnection link 30 meters
- The provision of 2 “I” type DU-interconnection link 30 meters
- The provision of 1 “Y” type DU-interconnection link 45 meters
- The provision of 1 “Y” type DU-interconnection link 105 meters
- The provision of 4 long term flying ROV NRH APC plugs

by signing contract + 6 (six) months.

Payments will then be made using the methods and terms described in the “Algemene Rijks Inkoop Voorwaarden” which are applicable (see also https://www.nwo-i.nl/wp-content/uploads/2019/11/ARIV_2018-mei2018_0-engels.pdf).

4 Requirements for tenderers

The Tenderer has the opportunity to submit written questions with regard to the Tender procedure. Any queries concerning the application must be sent through the Tendered question module, until 26-07-2021, **16:00 hours** at the latest,

Any comments on the draft proposal contract (Annex 1) can be made only within the set period for questions through the Tendered question module. Any comments submitted later will not be accepted.

The Tenderer must state agreement or otherwise for each article he disagrees with, give a comment. The Tenderer may, if desired, make a suggestion regarding an article with which he agrees in principle, in which case a textual suggestion may be entered. If the Tenderer does not agree with an article, a proposed text must be entered.

Any amendments in response to submitted suggestions will be incorporated in the ‘Memorandum of Information’. No additional changes will be made to the final draft contract produced as above, which is binding on the Tenderer.

The Contracting Authority expressly reserves the right to suspend or terminate all or any part of the tender procedure at any time.

The Contracting Authority does not accept any liability for errors or omissions in the text of this Descriptive Document or any document which forms an intrinsic part of the Descriptive Document. If any error or omission is discovered, it must be reported immediately.

By submitting a Tender, the Tenderer unconditionally accepts the content of this Descriptive Document or any document which forms an intrinsic part of the Descriptive Document. By submitting a Tender, the Tenderer loses his right to object later on to any error or omission discovered in the text of this Descriptive Document or any document which form an intrinsic part of the Descriptive Document.

The following initial schedule has been drawn up for this tender procedure:

Activity	date or starting date of term
Invitation to Tender	12-07-2021
Deadline to submit questions	26-07-2021
Deadline to deliver offers/final Tender	24-08-2021
Target date for decision on reporting intended award	31-08-2021
Verification	07-09-2021
Signing contract	21-09-2021

The Contracting Authority will incorporate a minimum twenty (20) calendar day standstill period commencing the day the announcement of contract award is communicated to Tenderers. The purpose of the standstill period referred to above is to allow parties to apply to the courts to set aside the award decision before the contract is entered into. In this event, the Tenderer should notify the Contracting Authority of its intention, in writing and stating full details, within twenty (20) days of the date stated in the letter of notification, and should enclose the (pro forma) summons. By submitting a Tender, all Tenderers expressly accept this twenty (20) day limitation. All such disputes are to be placed before the District Court of Amsterdam, having sole jurisdiction in all matters relating to the tender procedure. The commencement of legal proceedings will not result in the suspension of (the remainder of) the tendering procedure.

5 Delivery of the supply

The Interconnection link cables shall be delivered to:

CPPM - UMR 7346 (CNRS)
163 avenue de Luminy
13009 MARSEILLE
France

6 Selection Criteria for the tender

For the participation in this call for tender it is requested that the participating companies have economic and technical capabilities.



Economic capabilities :

The company shall have had in the last two years a minimum annual turnover of € 1,000,000 in the sector of activity subject to the contract, to guarantee the production capacity and the economic soundness of the company.

7 Tender procedure and award criterion

The award criterion is lowest total price for:

- The provision of 6 “Y” type DU-interconnection link 30 meters
- The provision of 2 “I” type DU-interconnection link 30 meters
- The provision of 1 “Y” type DU-interconnection link 45 meters
- The provision of 1 “Y” type DU-interconnection link 105 meters
- The provision of 4 long term flying ROV NRH APC plugs