**Invitation to Tender**

**Double Armoured Tow Cable**

**Ref: RD692\_04**

# 1. About Trelan Limited

We focus on commercial developments and environmental wilding to balance economic activity with ecological and technological advancements. Additionally, we are interested in the development of technologies for the renewable off shore industry.

# 2. Background and Context

We wish to develop and equip a new Research, Development and Test facility.

We will assess tenders received on lowest compliant Tender.

# 3. Tender requirements

The supply is required to deliver a continuous 10000 metre of 14AWG double armoured tow cable that meets the following specification

**3.1 Specification**

|  |  |  |
| --- | --- | --- |
| ***Size*** | Unit | O.D. 11.43 |
| ***Type of cable*** | - | Logging cable 14AWG |
| ***Conductor*** | - | - |
| Material | - | Copper wire |
| Conductor Shape | - | Round stranded copper |
| Stranding No. and diameter | No.\*mm | 7\*0.6 |
| Conductor diameter | mm | 1.73 |
| ***Insulation*** | - | - |
| Material | - | PP/Natural colour |
| Nominal thickness | mm | 1.4 |
| Diameter after insulation | mm | 4.52 |
| ***Copper wire and single layer CU/Poly screen*** | - | - |
| Copper wire screen 12AWG | mm2 | 3.22 |
| Material of CU/Poly tape | - | Copper bonded to polyester |
| Nominal thickness of Cu/Poly | mm | 0.05 |
| Single layer CU/Poly overlap | % | 25 |
| Diameter after screen | mm | 5.33 |
| ***Belt (sheath)*** | - | PP/Natural colour |
| Nominal thickness | mm | 0.98 |
| Diameter after Belt | mm | 7.29 |
| ***Armour*** | - | - |
| Material | - | GIPS Galvanized steel wire |
| Inner layer | No. mm | 24/0.95 |
| Outer layer | No. mm | 24/1.22 |
| Approximate overall diameter | mm | 11.43 ±0.1 |
| ***Physical characteristics*** | **-** | - |
| Weight in air | Kg/km | 469 |
| Weight in seawater | Kg/km | 379 |
| Specific gravity | **-** | 5.4 |
| ***Mechanical characteristics*** | **-** | - |
| Breaking strength | kN | 71.2 |
| Working load | kN | 17.8 |
| Recommended bending radius | cm | 23 |
| ***Electrical*** | **-** | - |
| Voltage Rating | Vdc | 1900 |
| DC Resistance | - | - |
| -cdr | Ω/km | 9.8 |
| -return | Ω/km | 6.9 |
| Insulation Resistance | - | - |
| -cdr-return | MΩ.km | 3000 |
| Capacitance | Pf/m | 131 |
| Characteristic Impedance | - | - |
| -@1 MHz | Ω | 40 |
| Attenuation Rate | - | - |
| -@0.5MHz | dB/km | 7.9 |
| -@1.0MHz | dB/km | 11.5 |
| -@3.0MHz | dB/km | 20.3 |
| -@5.0MHz | dB/km | 26.2 |

**3.2 Delivery**

Trelan Limited,Feritech Innovation Centre, Menerdue Lane, Carnmenellis, Redruth TR16 6PD

4**. Budget**

The maximum budget available for the Tractor is £70,000 (exc VAT) but inclusive of all expenses.

**Tenders that exceed the budgets will not be considered.**

The budget will be reviewed as part of the tender evaluation detailed in Section 10 and will reflect the degree to which there is a saving on the maximum budget

# 5. Tender and commission timetable

The timescale of the programme is from the date of signing the contract until acceptance by Trelan Limited. The timetable for submission of the Tender, completion of the programme are set out below.

|  |  |
| --- | --- |
| **Milestone** | **Date** |
| Date ITT available on Contracts Finder | 29 November 2024 |
| Last date for raising queries | 1700 8 December 2024 |
| Last date for clarifications to queries | 1700 9 December 2024 |
| Deadline to return ITT | **1700 18 December 2024** |
| Evaluation of ITT | 19 December 2024 |
| Award of Contract | 20 December 2024 |
| Delivery | 31 January 2025 |

# 6. Tender submission requirements

Please include the following information in your Tender submission.

6.1 Please provide your proposal and any necessary technical or specification sheets.

6.2 Conflict of Interest Statement as per Section 8

6.3 Budget

**7. Sub-contracting**

Tenderers should note that a consortia can submit a tender but the sub-contracting of aspects of this commission after appointment will only be allowed by prior agreement with Trelan Limited.

**8. Conflicts of Interest**

Tenderers must provide a clear statement with regard to potential conflicts of interests. Therefore, **please confirm within your tender submission** whether, to the best of your knowledge, there is any conflict of interest between your organisation and Trelan Limited or its programme team that is likely to influence the outcome of this procurement either directly or indirectly through financial, economic or other personal interest which might be perceived to compromise the impartiality and independence of any party in the context of this procurement procedure.

Receipt of this statement will permit Trelan Limited to ensure that, in the event of a conflict of interest being notified or noticed, appropriate steps are taken to ensure that the evaluation of any submission will be undertaken by an independent and impartial panel.

# 9. Tender clarifications

Any clarification queries arising from this Invitation to Tender which may have a bearing on the offer should be raised by email to:

[rob@trelan.co](mailto:rob@trelan.co)

in accordance with the Tender and Commission Timetable in section 5.

Responses to clarifications will be anonymised and uploaded by Trelan Limited to Contracts Finder and will be viewable to all tenderers.

No representation by way of explanation or otherwise to persons or corporations tendering or desirous of tendering as to the meaning of the tender, contract or other tender documents or as to any other matter or thing to be done under the proposed contract shall bind Trelan Limited unless such representation is in writing and duly signed by a Director/Partner of the tenderer. All such correspondence shall be returned with the Tender Documents and shall form part of the contract.

# 10. Tender evaluation methodology

Each Tender will be checked for completeness and compliance with all requirements of the ITT. The award of the contract will be to the LOWEST COMPLIANT BID.

11**. Tender Award**

Any contract awarded as a result of this tender process will be in accordance with this ITT and the tenderer’s response.

# 12. Tender returns

Tenders are to be returned by email.

Tenders are to be returned in accordance with Section 5

Latest date to be returned: As per Section 5

Latest time to be returned: 17:00

Emailed tenders should be sent electronically to

[rob@trelan.co](mailto:rob@trelan.co)

with the following message clearly noted in the Subject box;

‘Response to RD692\_04’

**Tenderers are advised to request an acknowledgement of receipt of their email.**

**13.** **Disclaimer**

The issue of this documentation does not commit Trelan Limited to award any contract pursuant to the tender process or enter into a contractual relationship with any provider of the service. Nothing in the documentation or in any other communications made between Trelan Limited or its agents and any other party, or any part thereof, shall be taken as constituting a contract, agreement or representation between Trelan Limited and any other party (save for a formal award of contract made in writing by Trelan Limited or on behalf of Trelan Limited).

Tenderers must obtain for themselves, at their own responsibility and expense, all information necessary for the preparation of their tender responses. Information supplied to the tenderers by Trelan Limited or any information contained in Trelan Limited’s publications is supplied only for general guidance in the preparation of the tender response. Tenderers must satisfy themselves by their own investigations as to the accuracy of any such information and no responsibility is accepted by Trelan Limited for any loss or damage of whatever kind and howsoever caused arising from the use by tenderers of such information.

Trelan Limited reserves the right to vary or change all or any part of the basis of the procedures for the procurement process at any time or not to proceed with the proposed procurement at all.

Cancellation of the procurement process (at any time) under any circumstances will not render Trelan Limited liable for any costs or expenses incurred by tenderers during the procurement process.