

TENDER SPECIFICATION AND EVALUATION INFORMATION

FOR

**DN583321 – Provision of Global Navigation Satellite System
(GNSS) Antenna & Receiver's**

CONTENTS

1. Introduction to the Met Office (Authority)	2
2. Background Information for the requirement.....	2
3. Specification of Requirement.....	2
4. Evaluation of Tender Returns and Contract Award Criteria	4
5. Indicative Timetable for Tender	5

1. Introduction to the Met Office (Authority)

As a world leader in providing weather and climate services, we employ more than 1,700 people at 60 locations throughout the world. We are a Trading Fund within the Department for Business Energy and Industrial Strategy, operating under set targets and returning a dividend.

Recognised as one of the world's most accurate forecasters, we use more than 10 million weather observations, an advanced atmospheric model, and a high-performance supercomputer to create 3,000 tailored forecasts and briefings every day. These are delivered to a huge range of customers from the Government to businesses, the general public, armed forces, and other organisations.

As a foremost weather and climate service, we play a key role on the international stage by providing vital services, advancing global understanding through research and being an important participant in projects and organisations.

We are at the forefront of climate change research, playing a key role in helping determine the worldwide response to climate change. Our involvement in global collaborative projects includes advising the Intergovernmental Panel on Climate Change (IPCC) and our tailored advice and services help decision-makers and businesses across public and private sectors to manage risks and opportunities associated with a changing climate.

Further information about the Met Office is available on the following website:
<http://www.metoffice.gov.uk>

2. Background information for the requirement

The Met Office Project is looking to install circa 45 ground-based Global Navigation Satellite Service (GNSS) receivers to detect the signal delay from the GNSS constellation, indicating the densities of dry air and water vapour along the signal path.

Deploying a larger network of GNSS receivers, which increases the horizontal spatial resolution, is advantageous for capturing the increase in integrated water vapour that occurs prior to the development of convective storms. FSO (Forecast Sensitivity to Observations) studies (global model) show that, of all the types of observations assimilated, ground based GNSS ZTD (Zenith tropospheric delay) has the second highest impact per observation in summer months, when significant convection is more frequent. In addition to the tropospheric information, a network of GNSS stations would deliver ionospheric products for Space Weather applications.

3. Specification of Requirements

The Met Office requires the supply of GNSS Antenna & Receivers that complies with the specifications set out in the following document:

- **Document 6 - Technical Specification Questions.**

The Met Office intends to award a four (4) year, zero committed value framework agreement to a single supplier. Individual requirements will be called off as they become necessary and in line with the project delivery across the lifespan of the framework.

The rationale for placing this a framework agreement is to build in the opportunity to procure further devices at later dates in the project lifespan to be deployed in similar environments.

4. Evaluation of Tender Returns and Contract Award Criteria

4.1 Commercial Questionnaire: The standard questionnaire (Document 5) is a self-declaration, made by you (the Bidder), that you do not meet any of the grounds for exclusion. Any submission that does not pass the mandatory elements within the questionnaire will disqualify the bid from further consideration.

4.2 MEAT: Subject to 4.1 above, evaluation and selection of the successful offer will be based upon the Most Economically Advantageous Tender (MEAT), taking into account the below criteria.

Criteria	Weighting
Compliance to Specification	50%
Social Value	10%
Price	40%

Each of the criteria above is described in more detail below

4.3 Compliance to Specification

Scores for the “Compliance to Specification” criteria will be derived from bidders’ responses to Document 6 (“Technical Specification Questions”). There are three types of questions within Document 6:

Question type	Description
Mandatory	These questions will be evaluated to ensure that the solution meets the minimum standards required by the Met Office. Responses will be scored on a “Pass” or “Fail” basis and where they fail, this will disqualify the bid from further consideration.
Desirable	These questions will be evaluated to ensure that any features of the solution considered to be desirable by the Met Office are factored into the award criteria. These questions will be marked on a fixed five-point scale against a pre-defined matrix (as found in 4.3.1 below). Some Desirable questions carry extra weighting e.g. if a question has a weighting of 2, the score attributed to this question will be doubled. So, a score of 4 with a weighting of 2 will score 8 points.

Information Only	These questions are designed to provide the Met Office with helpful background information about your solution. Responses to these questions are not scored and carry no weighting.
------------------	---

Bidders must provide responses to all the Technical Specification Questions.

Furthermore, your responses must provide explicit and comprehensive detail to give the Met Office confidence that you can meet each requirement. A statement of the form “this requirement will be met” is not sufficient.

4.3.1 Marking: Responses to the Desirable questions will be marked against the following matrix:

Description	Score
Response does not answer the requirement(s). No evidence/detail provided.	0
Response partially answers the requirement(s), with major deficiencies. Little relevant evidence/detail proposed.	1
Response partially answers requirement(s), with some deficiencies. Some useful evidence/detail provided.	2
Response answers requirement(s) but remains basic and the evidence/detail provided could have been expanded upon.	3
Response fully answers requirement(s), and all the required evidence/detail is provided.	4

4.4 Price

Scores for the “Price” criteria will be derived from bidders’ responses to Document 7 (“Pricing Schedule”).

The Bidder proposing the solution with the lowest price will achieve the full 40% available for the “Price” criteria; all other Bidders’ scores will be pro-rated against this. For clarity, the lowest price will be calculated based on the following:

Total Price will be derived from ‘Price per unit (9 -16)’ as per line 2.2 of ‘Document 7 Pricing Schedule’ as follows

Firm Price Year 1 x 16 indicative units
 Firm Price Year 2 x 16 indicative units
 Firm Price Year 3 x 0 indicative units
 Firm Price Year 4 x 16 indicative units

The total from each year will then be added together.

Please note: all other fields of the Document 7 Pricing Schedule will be for information only.

5. Indicative Timetable for Tender

Stage	Target Times
ITT Submission Deadline date	Friday 21 January 2022 at 12:00
Tender Evaluation	Monday 24 January to Wednesday 2 February 2022
Place Framework	Monday 28 February 2022 TBC
Target Start Date	Friday 1 April 2022