



# **BID PROPOSAL**

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## **INSTALLATION WORKS FOR 06 AUTOMATIC WEATHER STATIONS (GCF Project)**

**Issued on: 23<sup>rd</sup> July 2020**

**Issued By:**  
GCF Project Management Unit  
Water and Sanitation Department  
Ministry of Environment

## Invitation for Bids

Reference No	Details
1	Project Name: Installation of 06 Automatic Weather Stations (GCF Project) Gazette Date: 23 <sup>rd</sup> July 2020
2	For any <b>Clarifications</b> send mail to the below address:  GCF Project Management Unit Water and Sanitation Department Ministry of Environment Green Building, Handhuvaree Hingun, Maafannu, Male', 20392, Republic of Maldives Tel. (960)-3018-446 Fax (960)-3018-301 Mail: <a href="mailto:gcf-watsan@environment.gov.mv">gcf-watsan@environment.gov.mv</a>
3	Financial proposal must be submitted as per Annex 04
4	<b>Bid Opening:</b>  Venue: Ministry of Environment  Date: 13th August 2020 (Thursday)  Time: 11:00
5	Refer to Annex 1 for Bid evaluation Criteria
6	All the Documents mentioned in Annex 2 should be included in the proposal.
7	Bids shall be valid for a period of 45 days from the date of bid opening
8	Delivery Period
9	All the information in Annex 2, must be comprised, if not ministry has the authority to Disqualify the bidder.

### Annex 1 : Bid Evaluation Criteria

Particulars	Point
Pricing: Minimum quoted price / Quoted price X 80	80%
Duration: Shortest Delivery period / Quoted delivery period X 15	15%
Experience: Each reference is valued at 1 point and will be considered if the submitted reference is similar in nature and carried out within the past 5 years	05%
<b>Total</b>	<b>100%</b>

### Annex 2: Documents need to be submitted

- a. If a company the company profile
- b. Completion Certificates of similar work carried out if any
- c. If a company, registration copy, if a sole proprietor SP certificate
- d. GST Certificate if registered
- e. BOQ
- f. Work schedule and timeline

### Annex 3: Details of the work

- a. Antennae and the related items of the tower to be cleared from customs and delivered from Male' WAMCO industrial site to the islands of installation (Antennae packaging picture attached in annex)
- b. Construction of the RCC foundation works as specified in information sheet (Foundation mix to be in the ration of 3:2:1 with 1 cement bag, 2 river sand bags and 3 aggregate bags. River sand used in the foundation should be imported M Sand)
- c. Setting out of the J Bolts and fixing the provided steel plate for antennae base.
- d. Installation of the antennae on the foundation.

**Annex 4: Bill of Quantities**

**INSTALLATION OF SIX AUTOMATIC WEATHER STATIONS IN THE ISLAND OF ADH.  
MAHIBADHOO, F. BILEHDHOO, S. HULHUMEEDHOO, R. ALIFUSHI, R. DHUVAAFARU AND SH.  
KOMANDHOO**

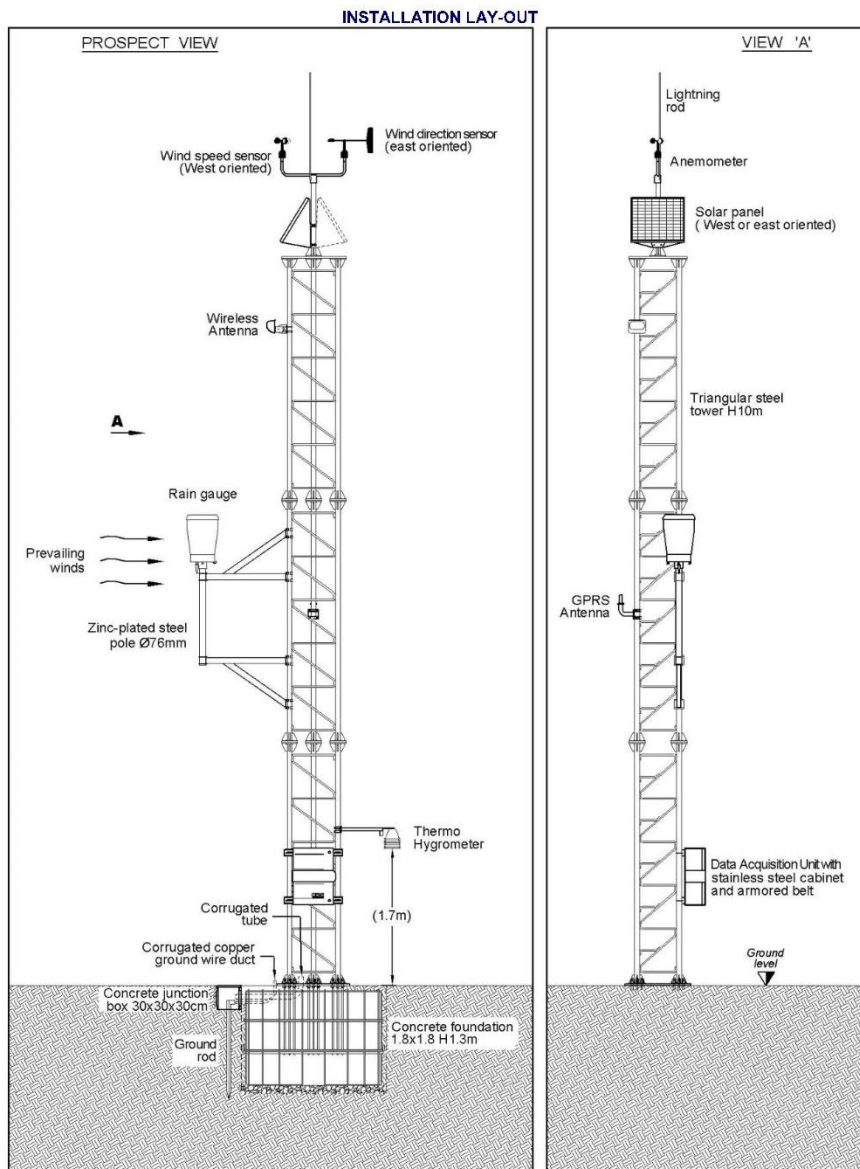
**BILL OF QUANTITY**

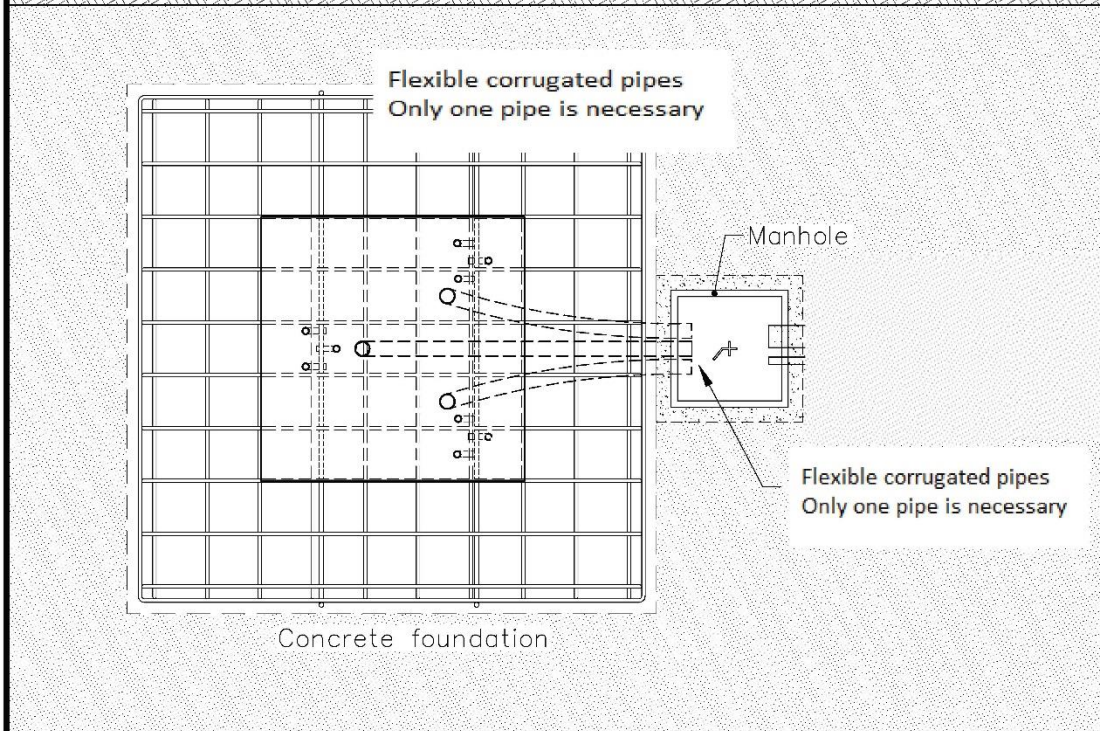
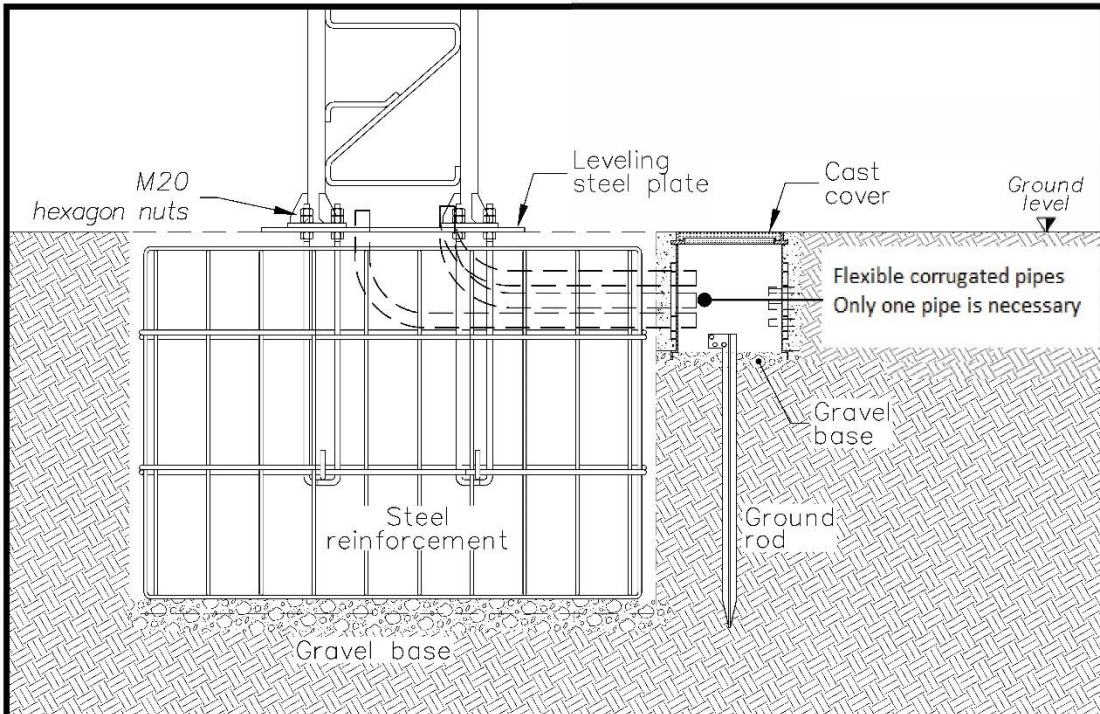
SL.NO	DESCRIPTION	QTY	UNIT	RATE	TOTAL AMOUNT
	<b><u>Bill No: 01</u></b> <b><u>SUMMARY OF WORKS</u></b>				
<b>A</b>	<b>MOBILISATION AND SUPPLY</b>  Supply arrangement of the Antennae and allied equipments to the respective Islands and mobilisation for civil works. Rates shall include Site management, Clearance fees and charges from CUSTOMS, Transportation and Delivery from ports to the temporary location at WAMCO Male' Site, Transfer arrangements to the site.				
1.0	Adh. Mahidbadhoo system	1.00	LS		-
2.0	F. Bilehdhoo system	1.00	LS		
3.0	S. Hulhumeedhoo system	1.00	LS		
4.0	R. Alifushi system	1.00	LS		
5.0	R. Dhuvaafaru system	1.00	LS		
6.0	Sh. Komandhoo	1.00	LS		
<b>B</b>	<b>CONCRETE WORKS</b>  Construction of the RCC foundation as specified in attached drawings. The Rates shall include for Formwork, Shuttering and Reinforcement. The Mix ratio for the RCC is 1:2:3 (Cement: M. Sand: Aggregate)				
1.0	Adh. Mahidbadhoo system	1.00	LS		
2.0	F. Bilehdhoo system	1.00	LS		

3.0	S. Hulhumeedhoo system	1.00	LS	
4.0	R. Alifushi system	1.00	LS	
5.0	R. Dhuvaafaru system	1.00	LS	
6.0	Sh. Komandhoo	1.00	LS	
<b>C</b>	<b>FIXING OF THE BASE PLATE WITH PROVISION OF BOLTS FOR THE ANTENNAE</b>			
	Setting out the base plate and alignment of the Embed bolts within the RCC foundation. The base plate and the J-bolts would be provided with the antennae for each island.			
1.0	Adh. Mahidbadhoo system	1.00	LS	
2.0	F. Bilehdhoo system	1.00	LS	
3.0	S. Hulhumeedhoo system	1.00	LS	
4.0	R. Alifushi system	1.00	LS	
5.0	R. Dhuvaafaru system	1.00	LS	
6.0	Sh. Komandhoo	1.00	LS	
<b>D</b>	<b>INSTALLATION OF THE ANTENNAES</b>			
	Installation of the antennae on the base plates, rates shall include for fixing and alignment of the member with the bolt provisions as per the drawings, tightening the bolts, levelling the member. Rates shall include all equipment and permission charges for the work.			
1.0	Adh. Mahidbadhoo system	1.00	LS	
2.0	F. Bilehdhoo system	1.00	LS	
3.0	S. Hulhumeedhoo system	1.00	LS	
4.0	R. Alifushi system	1.00	LS	
5.0	R. Dhuvaafaru system	1.00	LS	

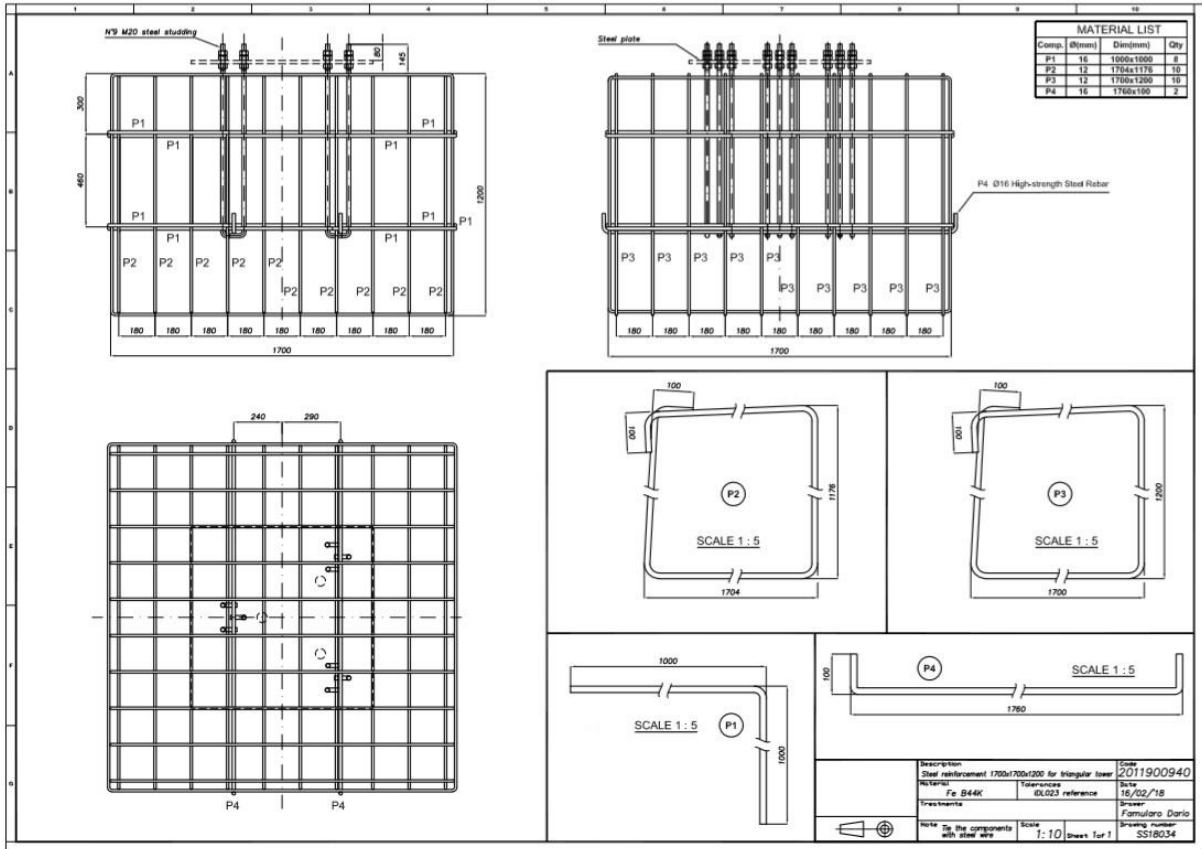
6.0	Sh. Komandhoo	1.00	LS		
		<b>Sub-Total</b>			-
		GST 06%			-
		<b>TOTAL</b>			<b>XXX</b>

### Annex 5: Installation Layout





Description			Code
Concrete foundation for triangular tower			2991002010
Note			Drawer
			F. Di Capua
sheet	Scale	Drawing n°	Date
1 di 1	1 : 20		



MATERIAL LIST			
Comp.	(R/mm)	Dim(mm)	Qty
P1	16	1000x1000	8
P2	12	1700x1175	10
P3	12	1700x1200	10
P4	16	1700x100	2

P4 Ø16 High-strength Steel Rebar

Description	Steel reinforcement 1700x1200 for irregular lower	Draw	2011900940
Material	Fe B44K	Scale	16/02/18
Specifications	DL023 reference	Author	Franzoso Dario
Note	In the components with steel wire	Scale	1:10 (sheet 1 of 1)
		Drawing number	SS18034



Annex 6. Reference photos for existing AWS systems



