بسم الله الرحمن الرحيم

Ministry of Finance and Treasury
Ameenee Magu, Male', Republic of Maldives

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އަމީނީމަގު، މާލެ، ދިވެހިރާއްޖެ

ADDENDUM 01

ނަންބަރު Project No:	**TES/2016/W-068R01**
ތާރީޚް Issued Date:	**October 17, 2016**
މަޝްރޫޢު Project:	**Provision of Sewerage Facilities in S. Hulhdhoo and S. Meedhoo, Republic of Maldives**
ސުންގަޑި Deadline fo submission:	**October 31, 2016, Monday at 1000 hours**
ސަފުޙާގެ ޢަދަދު No. of Pages: - 5	

Please include this clarification when submitting the proposal

1. Please find the **Clarification 1** issued, attached with this sheet.
2. Note that a revised BOQ is attached.
3. The following changes are brought to the Data Sheet.

ITB 22.1	For **bid submission purposes** only, the Employer's address is Attention: Mr Ahmed Mujuthaba, Director General, Public Procurement Division, Ministry of Finance and Treasury Street address: Ameenee Magu City: Malé Country: Maldives **The deadline for bid submission is** **Date: 31 October 2016** **Time: 1000 hours Maldivian time**
ITB 25.1	The bid opening of Bids shall take place at Public Procurement Section, Public Procurement Division, Ministry of Finance and Treasury Street address: Ameenee Magu City : Malé Country: Maldives
	Date: 31 October 2016 **Time: 1000 hours Maldivian time**

ނަން **Name: Aminath Juweriya**	ސޮއި **Signature:**

Provision of Sewerage Facilities in S. Hulhdhoo and S. Meedhoo, Republic of Maldives

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CLARIFICATION 01

1. **There seems to be a separate bypass underground piping of size dia. 150mm connected directly to the pump station. Please refer HM-SW-100.3, thereby no connection for bypass underground piping of size dia. 150mm which would lead to the pump station (Refer to drawing: HM-SW-100.4). Is this only specific that the bypass discharged to be collected at Lifting Station No. LS-9?**
   Reference to the above stated 2-items, there is no bypass piping provision at the Typical Lifting Station plan and section (refer to drawing HM-SW-108) at the discharge side likewise the same for the Packaged Pump Station as there is 1-inlet provision only (Refer to HM-SW-110).
   - Please ignore the reference to bypass as it is not required for this project and refer the revised drawings.
     HM-SW- 100.1 to 100.4

2. **Drawing No. HM-SW-100.1, rh-sw-100.2**
   a. **Sea outfall HDPE Pipe dia., Kindly confirm whether 160mm OD x 2 or 150mm OD x 2**
      - Use 2 x160mm dia OD (note 150mm is Inside diameter denoted by symbol ID and 160 is outside diameter denoted by symbol OD and it is the same size of pipe.

   b. **Conflicting pipe mains dia between legends and pointed out base on the drawings that shows dia. 100mm, 115mm and 215mm. Are this dia are OD or ID. This needs confirmation**
      - For the Force main pipes, the pipe sizes vary as shown in the drawings HM-SW-100.1 & 100.2. These pipe variations increase down streams as they approach the treatment plant. Pipes sizes 100mm ID, 150mm ID and 215mm OD, HDPE.

   c. **Are all sizes in dia. specified in the drawings are OD or ID and materials are of HDPE or UPVC? Kindly confirm.**
      - Pipe sizes 150mm and 160mm are same size, and 100mm and 110mm are same and 200mm & 215mm (ie. ID and OD respectively)
      - UPVC for house connections and HDPE for main likes

3. **Drawing No. HM-SW-103 "Manholes Pipe Connection Detail"**
   a. **What is the shaded area around pipes is it "sand or concrete"?**
      - Please follow label on the drawings if pipe below the ground water table use concrete (ie PCC) and if above groundwater level concrete use sand.

   b. **What does 100- HN300 and 150-HN400 stand for?**
      - Please ignore these references.

4. **Kindly let us know the specifications of Packaged Pump Station.**
   - Contractor can propose HDPE or FRP package pump stations that are as per design drawings provided and guidelines provide in the EPA regulations for

sewerage systems (please refer: "Design Criteria and Technical Specifications for Convectional Gravity Sewerage Systems").

5. **Manholes**
Supply & Installation of 1000mm dia FRP Manhole including excavation, shoring, dewatering to lines and levels, cast iron covers and frame, concrete works, FRP pipe rings, all other supports & protection as indicated in drawings, connections, testing, protection of adjacent structure and backfilling to make up levels, complete to the satisfaction of Engineer (Ref. Spec. 02240, 02260, 02315, 02316, 02530, 02631, 03100, 03200, 03300, 05500) all as specified and shown on drawings.
Item G to Item J
QUESTION:
    a. **Since item G to J are having different depth. Kindly let me know the enclosed number in diameters such as 600mm, 1000mm, 1500mm 1800mm. Are this stated diameters are the size of manholes?**
        - These are stated diameters of manholes as they vary and the numbers of each size and depth are provided in the BOQ attached with this document.

6. **Section -8**
I. Employer Requirement, Clause 1.5 Scope of Work
Based on the statement of the Clause, STP is not included in the scope of work, whereby the BOQ states a TREATMENT FACILITY (PROVISIONAL).
Kindly clear what this (PROVISIONAL) means of the BOQ, is it PROVISIONAL SUM or only Temporary Items of the BOQ which need not to be priced?
    - Treatment Facility (STP) is included in the scope of works. Therefore, please rate all the items (including all provisional items) in the BOQ.

7. **Inspection Chambers**
Supply & installation of 600mm x 600mm x 750mm HDPE Inspection Chamber for house connection with adequate connections for current & future expansion, supports, protection fixings & covers, complete including concrete works, connections to gravity sewer (connection to household is not part of this contract) all as specified and shown on drawings. (Ref. Spec. 02240, 02260, 02315, 02316)
The inspection Chambers of 600mm x 600mm, is it possible to be 600mm dia.? Will it be possible to let us know the "correct number of connections required for future expansion"?
    - Use 600mm dia chambers
    - No. of connections are provided in the detail design report and has been specified in the BOQ attached.

8. **Maintenance Shaft (MS)**
Is Maintenance Shaft (MS) refers to Clean Out (CO). Kindly refer to drawing HM-SW-103
Please note that details of Maintenance Shaft (MS) doesn't have detail drawings while Clean Out (CO) indicated in the detailed drawing but location of installation not indicated.
    - MS and CO are the same – they are references to maintenance shaft and the locations are indicated on the drawings with the symbol MS.

9. **Please provide the maintenance shaft drawing.**
    - For MS drawings please refer the attached drawing.

10. **Is it maintenance shaft or clean out?**
    - MS is a maintenance shaft used as a clean out of pipe line.

11. **Has 5m x 5m land been approved for all Lifting stations at the mentioned locations as shown in the typical lifting station layout drawing? Individual detailed layouts needed to be provided by the designer for each LS location depending on the actual size and orientation of land allocated for each LS in order to process the execution works smoothly without delays.**
    - Road widths and location information has been provided in the detail design and contractor provide shop drawings prior to installation.

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12. **The lifting stations are to be constructed in a designated land protected with fencing or on the open roads without any fencing?**
    - The lifting stations are to be constructed in a designated land protected with fencing where it is possible to do so. Most are located on roads and does need fencing and are located underground as per the standard practice in the islands of Maldives

13. **Tender drawing set is provided with only a typical sectional detailed drawing for all lift station. Dimensions of each lift station (diameter and depth with invert details) needed. Individual detailed drawing needed to be provided by the designer for each LS in order to prepare cost and process the execution works smoothly without delays.**
    - The diameter, depth and other details have been provided in the detail design report with tabulations.

14. **Specification Section 01500: Construction facilities and temporary controls**
    a. **Does the contractor have to provide field offices and accommodation for Consultant as specified in clause 1.14.**
    Yes, as per Clause 1.14 of Technical Specifications.

    b. **Does the contractor have to provide telephone, mobile telephone set and internet for Consultant as specified in clause 1.15 & 1.16.**
    No.

    c. **Does the contractor have to provide survey instruments and inspection equipment for Consultant as specified in clause 1.17.**
    Yes, as per Clause 1.17 of Technical Specifications.

    d. **Does the contractor have to provide travel arrangements for Consultant as specified in clause 1.18.**
    Yes, as per Clause 1.18 of Technical Specifications.

15. **Do we need to provide the bid price including GST or not?**
    - Yes, the bid price should be inclusive of GST

16. **In Employer's Requirement (Clause 1-5) it is mentioned that sewage treatment plant is not included in this scope of work but in BOQ there is an item for STP. Please clarify.**
    - Refer response to question no. 6 above.

17. **The legend of drawing No – HM-SW-127 says that the waste water treatment plant is for the average flow Q = 230 m3/day. But in the BOQ (item No B-Treatment facility) it is mentioned that the waste water treatment plant capacity is 3387 m3/day. Is the given flow of 3387 m3/day the average flow or the peak flow? Is the correct design flow 230 m3/day or 3387 m3/day? Please provide the correct design flow (average dry weather flow) to be considered as the capacity of the waste water treatment plant/**
    - Use the figures given in BOQ attached with this document

18. **The legend of drawing No – HM-SW-127 says that "STP for R. Hulhudhufaaru". Please provide the correct details of the treatment plant (drawings, dimensions, average flow) for S. Hulhudhoo and S. Meedhoo island.**
    - It is a typing error the correct title is "STP S.Hulhudhoo and S.Meedhoo" and the drawings on HM-SW-127 are for Hulhudhoo and Meedhoo STP

19. **It is mentioned in the legend of drawing No – HM-SW-127 (clause 9) that the drawings are indicative and contractor can propose. Can we propose an alternative cost effective design for the waste water treatment plant?**
    - Provide Price as per the design given and for alternative, the Client to respond

20. **Effluent load for each lifting station and respective pump specification (Pump head, flow rate) is not provided. Please provide.**

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- Refer detail design and attachment provided

21. **There are 12 pumping stations and 12 lifting stations mentioned in the drawing No HM-SW-100.1 but only 15 lifting stations are shown in the drawings. Please clarify.**
    - There are 12 catchments and each catchment has one lift station.

22. **There is a BOQ item for the pumping station. But capacity, size, location of the pumping stations and pump specification is not provided. Please clarify.**
    - The pump station chamber has been integrated in the STP design provided and please refers the electrical drawings for the pump specifications. Also refer attached sheets.

23. **There is an item for collection well in BOQ (item No A- Treatment facility) but it is not shown in the drawings. Please clarify.**
    - The collection chamber has been integrated in the STP design provided

24. **In BOQ (item No - Treatment facility D), sea outfall pumping line distance is given as 300m. According to drawing No – HM-SW-100.1, it is 520m (2 x 260m). Further item No: 4 of Method and Measurement in the preamble to the BOQ says the sea outfall line is 355m OD line whereas both the above places specify it as 160mm diameter. Please clarify.**
    - For Sea out fall use two pipes ie. 260mm x 2 with 160mm OD HDPE pipe

25. **Can we use Plastic manhole instead of FRP manhole which is specified in BOQ.**
    - Yes, can use HDPE manholes with Cast Iron trafficable Manhole covers

26. **Is there a detailed design report available for this project? If so, please provide.**
    - All questions raised regarding drawing/BOQ has been addressed. The detail design report will not be provided.

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