**Project Name: Provision of Water Supply Facilities in B. Eydhafushi and Th. Vilufushi, Maldives**

**Additional information**

| **S.No** | **Reference** | **Reference Details** | **Answers** |
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| 1 |  | Since the design of the schemes have been done in detail, please clarify if all spaces for the constructionof the lift pumping stations has been enmarked and available for construction. Please confirm. | All the locations of Lifting stations as shown in the tender drawings are approved by the Ministry and are available for the contractor to start construction work.  |
| 2 |  | The details of the borewell in terms of its depth, anticipated discharge, pumping machinery and borewell diameter needs to be provided. | Typical Details Provided in Design Drawings |
| 3 |  | The capacity of the RO plant in each island is given as 2 x 60 m3/day. This needs clarification andconfirmation. | The Capacities are different as per the Design , check the BOQ for each island |
| 4 |  | What would be the source of electricity to run the scheme components – bore well, lifting stations, the ROUnit etc. | The main source will be from the Island Electricity power supply. Emergency generators are available for support during electricity breakdowns |
| 5 |  | The concept of rain water collection and storage at a common tank and subsequent treatment at RO plantis not understood. This needs clarity. | Design is as per MEE,and EPA requirements |
| 6 |  | Kindly provide the details of local taxes proposed to be paid on the said project. | Goods and Services Tax will be applicable for the project at the present rate of 6% of contract amount. Bidder may Liaise with MIRA to get the tax related clarifications |
| 7 |  | In case some material is imported, would some tax concessions be provided for such an imports. | Import tax will be exempted for all the water and sanitation projects |
| 8 |  | can we quote in US dollar as we are foreign company(India based company) and we procure most of thematerial from India. | Please quote the price in both MVR and USD |
| 9 |  | Do we need to consider GST for supply items also( item that supply from India or other country) | GST will be applicable for all the goods and services provided under the project. Customs duty and GST for items supplied will be based on MIRA regulations.  |
| 10 |  | Pre bid meeting is compulsory to attend? | Not compulsory. |

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| 11 | ITB 15.1, Bidding data sheet, page 30 | We request you to clarify that for supply of those materials which are made from outside Maldives, payment may also be made in US Dollars for foreign bidders. | Yes. Payment can be made in USD.  |
| 12 | Particular Conditions, Part A - Contract Data of contract, page 449 | We note that as per Price Schedule furnished by you with tender documents, we have to fill a combined Unit Price for “Supply & Erection”. Please clarify how do you propose to break this Unit Price into Supply and Erection for payment purposes. We suggest that the same should be broken as 80% for Supply and 20% for Erection/Services. Please review and confirm.For supply of items we propose that 60% of supply amount shall be paid of dispatch of materials as FOB and 20% to be paid on receipt and verification of materials at site. This is for material procure from outside of Maldives.Please specify the terms of payment for Erection, Testing and Commissioning also. | 1. Bidders are requested to quote only one rate for each items specified in the BOQ. The breakup of unit rate quoted by the bidder depends on the items and no specific breakup percentage is required for this purpose and shall be quoted with the logic of each bidder.
2. Kindly note that the payment of all items specified in the BOQ will be towards the progress of that particular items through interim progress bills as a proportionate percentage of the amount quoted by the bidder. No separate payments will be made for erection, testing, commissioning etc but the item will be paid after checking the actual progress during construction phase.
3. Kindly note that the Clause 14.5(b)(i) is CANCELLED.
4. Payment for materials mentioned in Clause 14.5(c) (i) will be released only after the material is delivered to site. No advances will be paid upon dispatch of materials from the source.
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| 13 | BOQ and Technical Specification | In BOQ pipe material is specified HDPE whereas the same is specified as UPVC in technical specifications. Please clarify. | HDPE pipe shall be used as per MEE guidelines |
| 14 | BOQ and Technical Specification | Valves are specified to be supplied conforming to American Standards. Please clarify that valves conforming to equivalent Indian standard shall be acceptable to you.  | Contractor can propose the alternative with the supporting documents for the selection, subject to MEE’s approval. |
| 15 | BOQ and Technical Specification | Please clarify that in place of GRP tanks we can provide RCC tank with epoxy lining, since transportation of GRP tank will not be suitable financially.  | GRP tank allows flexibility for future expansion, where RCC doesn’t. so GRP tank to be provided. |
| 16 | BOQ and Technical Specification | Please furnish ratings of Photovoltaic equipment along with back up battery sizing conditions. | Cells ratings are given. The selected system specialist has to do the necessary battery sizing as the same differ from one manufacturer to another.  |
| 17 | BOQ and Technical Specification | Please provide the main electric cable length from main grid to plant site. | Location of the main grid can be defined by the contractor/client as per the site condition. |
| 18 | BOQ and Technical Specification | Cable conductor is specified as copper, whereas according to cable sizes, aluminium conductor shall also be suitable. Please clarify if we can provide cable with aluminium conductor. | This shall depend on the cable length, if the cable voltage drop is within the permissible standard percentage, Copper or Aluminium conductor can be selected subject to V.D. Calculation to be submitted by the contractor and the same to be evaluated/approved by the engineer.  |
| 19 | BOQ and Technical Specification | Please clarify the scope of work for Sewage Disposal system, if any, included in our scope of work. | Sewage disposal system is not part of the contractor under this project. |

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| 20 | Technical Specifications - Section 11200 Water Supply and Treatment Equipment | Within the technical specifications, Ultrafiltration is required as a pre-treatment to the RO system. However, based on the drawings TV-WS-105, there is an indication of sand filter as a pre-treatment to RO system.Based on our experience and supply to Maldives, it is typical that the sand filter is more than sufficient as a pre-treatment to RO. MEE is recommended to consider accepting the use of sand filter for value engineering and reliability of the Sand Filter over UF. | Ultra-filter has been considered for pre-treatment in Design. It is a Design Requirement and it has to be provided as per contract document. Contractor can propose the alternative to UF with the supporting documents for the selection, subject to MEE’s approval. |
| 21 | Technical Specifications - Section 11200 Water Supply and Treatment Equipment | Please advise the capacity of the UF permeate tank, if required. | UF permeate tank capacity subject to the RO Plant capacity requirement and Manufacturers recommendation and subject to client's approval. |
| 23 | Drawing No. TV-WS-116 | There is a laboratory within the admin building, will laboratory supplies and consumables be inclusive in the entire package? | Yes, consumables in the Laboratory to be provided by the supplier  |
| 24 | BOQ - Water Supply for Th. Vilufushi | The quantity of water meters and first flush devices are 686 nos. However, from the drawings, it was counted to have 698 households/connection points. Please advise if the quantity required is 686 or 698 nos. | 7 nos of First flush Devices, 686 nos of Water meters  |
| 25 | Drawing No. TV-EL-103 | As per the SLD, Please advise if Island main power supply from MLTP / MSB from existing grid supply is available or not. | Island power supply is available from the existing grid. Bidder may make sure the same before participating in the bid. |
| 26 | Sub-Clause 6.14 Supply of water | Please advise if there are supply of water during construction period | Drinking water for contractor’s personnel is available in the island.Contractor may make arrangements of water for construction purpose by themselves. Contractor is not supposed to use ground water/ well water for the construction purpose due to scarcity of water in the islands. |
| 27 | Drawing No: BE-WS-121 | Please advise if the pre-treatment of RO is located within the RO plant room. There is no space allocated for this | Pre-treatment of RO is located within the RO plant room. Contractor can propose the alternative size, in case of shortage of space with the supporting documents for the size of RO plant room, subject to client's approval |
| 28 |  | Please provide the CAD files of the drawings. | CAD drawings will be provided to successful Bidders upon award of contract. |
| 29 |  | Please provide working file (excel file) of BOQ. | Excel file of BOQ will be given to all bidders. Bidders may not change the amounts mentioned in ‘DAYWORKS’ sheet of BOQ and the same may be carried over to ‘General Summary’ page without any change. |
| 30 |  | Please clarify the rain water collection points | Rain water collection point are public buildings as mentioned in Detailed Design Report |
| 31 |  | DRW No-TV-WS 102, Shows - only 7 rain water collection points, but in BOQ (Water distribution network section) there are 686 first flush devices. Please Clarify the exact numbers | 7 No of First Flush Devices, 686 Water meters shall be provided |
| 32 |  | In the BOQ (Water Supply System clause B), it has mentioned about a overhead tank, but it hasn’t shown in drawings. please clarify this | There is NO Overhead Tanks in the Design. All tanks are Floor Mounted GRP only |
| 33 |  | Material that use for water distribution network is mentioned as uPVC in the technical specification, section 02510, but in the BOQ (Water Distribution Network section) is it mentioned as HDPE. Please clarify this. | HDPE pipe shall be used as per MEE guidelines |
| 34 |  | Size, quantity & requirement of the branch pipes (Household connections) are not mentioned in the drawings or BOQ. | Minimum pipe size for Household connection is 20 mm Nominal Diameter (ND) |
| 35 |  | There is no note in the BOQ about the brine outfall pumping station | Outfall Pumps shall be included in BOQ, Out fall pipe item already included in BOQ. |
| 36 |  | Quantity of valve chambers are different in the BOQ (Water Supply System- Clause F) & drawings, DRW No TV-WS- 101 Sheet 01 & 02 (In the drawings- 13, in BOQ- 11) | Total – 11 nos only and refer to the complete layout for correct numbers  |
| 37 |  | UF system arrangement is not shown in layout drawing, DRW No. TV-WS-105 | UF on the layouts is for indicative purpose only. Contractor shall do the proper UF Selection subject to the RO Plant capacity requirement and Manufacturers product Catalog |
| 38 |  | It is shown a Sand filter in the drawing, DRW No. TV-WS-105. But there is no note about Sand filter in the BOQ & Technical specification. Also is it necessary to use the sand filter? (Because we can send the rain water through UF & there may not need an additional sand filter) | Since we use common sand Filter for both Raw water and Rain water from the respective tank, Sand Filter is necessary |
| 39 |  | Please clarify the necessity of Energy Recovery unit of RO Plant (Since the volume of reject water can be relatively small) | It is a Design Requirement of MEE and it has to be provided as per contract document |
| 40 |  | Capacity of the booster pump is not provided  | Refer to the Detailed Design Report for Pump Capacities |
| 41 |  | Given capacity (7.9 m3/hr, 2 nos, both working) of the brine outfall pump seems to be too high (Ref: - DRW No. BE-EL-102) comparing with reject volumes. | Contractor shall size the pump as per the RO Plant capacity requirement and Manufacturers product Catalog with the supporting documents for the selection, subject to MEE’s approval. |
| 42 |  | Size of the brine outfall pipe is mentioned as 80mm in BOQ & drawing, DRW No TV-WS-103 /Sheet No. 02. But in the DRW No TV-WS-102, it is mentioned as 160mm (According to the reject volume, 160mm pipe line seems to be too large). | The brine outfall pipe size shall be as per the RO Plant capacity requirement and Manufacturers product Catalog with the supporting documents for the selection, subject to MEE’s approval. |