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| | <p>Written Confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 22.2</p> <p>Documentary evidence in accordance with ITB 15 establishing the Bidder's eligibility and Qualifications to perform the contract if its bid is accepted.</p> <p>Technical proposal in accordance with ITB 17</p> <p>In the case of a bid submitted by a JV, JV agreement, duly registered and notarized shall be submitted.</p> |
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Add ITB 14.1 as below

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| ITB 14.1 | Not applicable |
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Delete ITB 16.1 (b)

Add ITB 16 as below

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| ITB 16 | Not applicable |
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Add 18.3 as below

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| ITB 18.3 | <p>This clause shall be read as below;</p> <p>Bidders shall give a breakdown of the prices in the manner and detail called for in the Price Schedules included in Section 10 - Bidding Forms – Price Proposal. Where no different Price Schedules are included in the Bidding Document, bidders shall present their prices in the following manner: Separate numbered Schedules included in Section 4 - Bidding Forms shall be used for each of the following elements. The total amount from each Schedule (1 to 4) shall be summarized in a Grand Summary giving the total bid price(s) to be entered in the Bid Form.</p> |
| ITB 18.4 | <p>This clause shall be read as below;</p> <p>In the price Schedules, bidders shall give the required details of their prices as follows:</p> <p>Schedule 1 – Design Schedule 2 – General works Schedule 3 – Water Supply Works Schedule 4 - Gravity Sewerage System Schedule 5 – Provisional Sums</p> |
| ITB 18.8 | <p>Add the following clause to ITB after 18.7</p> <p>The rates quoted in the price schedules shall be inclusive of all taxes, duties, levies and charges payable in the Employer's country as of twenty-eight (28) days prior to the deadline for submission of bids</p> <p>Equipments and machineries which are imported for the purpose of the project and are to be re-exported at the end of the contract, would get duty concessions as per the current regulations.</p> |

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Name: Ahmed Mujuthaba

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Signature:




**Design and Build Basis for Construction of Water Supply and Sewerage Facilities in
R.Rasgatheemu, Th.Kinbidhoo, Th.Vandhoo, N.Kendhikulhudhoo, Ga.Kanduhulhudhoo,
Ha.Uligamu & Sh.Maroshi,
Design and Build Basis for Construction of Water Supply Facilities in R.Alifushi,
Hdh.Nolhivaram, B.Hithaadhoo & Sh.Kanditheemu and
Design and Build Basis for Construction of Sewerage Facility in Sh.Foakaidhoo**

CLARIFICATIONS 1

| # | Question | Answers |
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| 1 | Kindly confirm whether below documents/forms shall be disregarded from the bid documents since it's mentioned as "Deleted" in the tender documents of all projects | |
| | 4.2.7 Proposed Subcontractors/Manufacturers for major items of Plant and Services (Deleted) | Proposed Subcontractors will not be considered for the purpose of bid evaluation , this section is therefore deleted |
| | 4.2.8 Time Schedule (Deleted) | Alternative time schedule is not allowed under this bid, this section is therefore deleted |
| | 4.3.2 Technical Schedule - Sub contractor's qualification (Deleted) | Proposed Subcontractors will not be considered for the purpose of bid evaluation , this section is therefore deleted |
| | 4.3.4 Technical Schedule - Employer's requirement compliance declaration by the Sub Contractor (Deleted) | Proposed Subcontractors will not be considered for the purpose of bid evaluation , this section is therefore deleted |
| 2 | Is it possible to provide CAD drawings of each island land use plan? | The Employer does not provide CAD files during the bidding stage. Available landuse plans are provided in PDF files |
| 3 | Please clarify the design period and construction period | The total duration of the project is 24 Months. The bidder may schedule the design and construction works based on their experience/judgement. The design period shall not be more than 05/06 Months. |
| 4 | EIA is prepared already or do we have to prepare EIA? | The successful bidder is required to carry out the EIA works as specified in the Employers requirement "Island Info and Design requirement" |
| 5 | Whether the LUP for all islands can be shared with us from ministry to prepare detailed bid. | The Employer does not provide CAD files during the bidding stage. Available landuse plans are provided in PDF files |

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| 6 | In some islands, vacuum chambers are specified. Need clarification whether the proposed sewerage system for all islands are conventional gravity system or vacuum system is preferred by Ministry. | The preferred sewerage system for these islands is conventional gravity system. The bidder shall disregard any mention of vacuum chambers in the bidding documents. |
| 7 | Whether standby generator and mobile generator are to be provided for the proposed system in all islands? | The Bidder is not required to provide standby/mobile generator set for the system. |
| 8 | What is the existing capacity of generator in power house of focus islands. | Employer will provide this information during the design stage of the project. As for now the bidders may assume the island power grids have the capacity to meet the requirements of the project. |
| 9 | What is the land area allocated for RO plant and STP & LS in each island? This will help us designing a proper system in the available land. | The layouts are provided in typical drawings. The required size of the buildings and water/sewerage facilities shall be determined by the contractor and it shall meet the requirements given in the Employers requirements, any referenced guidelines and typical drawings |
| 10 | Whether any lab equipments to be supplied under this project for RO plant. | <p>Lab equipments are to be provided and the equipments which could provide the basic parameters mandated by EPA should be supplied. The list of basic parameters are:</p> <p>1) Electrical Conductivity</p> <p>2) PH</p> <p>3) Temperature</p> <p>4) Dissolved Oxygen</p> <p>5) Salinity</p> <p>6) Turbidity</p> <p>7) TDS</p> <p>8) Fecal Coliform</p> <p>9) Total Coliform</p> <p>10) Free Chlorine</p> |
| 11 | Whether the jetting equipment has to be trailer mounted? | The jetting equipment shall be trailer mounted. |
| 12 | Whether operation of the system is to be conducted after construction phase. | Operation of the system by the contractor is not included under these projects |
| 13 | Network distance given in the island specific data in the water and sewer projects, whether the network distance is for both sewer and water or only water? | The network length is essentially same for both Water and sewer. However, the network lengths are an estimate provided by the Employer, the bidder is required to |

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| | | do his own estimates and verify any information provided in the bidding documents. |
| 14 | Whether all the proposed sewer systems include a treatment plant or direct discharge through the sea outfall? | The successful bidder is required to design the Sewage Treatment Plant (STP) under sewerage projects, however STP is not included in the scope of works for construction. |
| 15 | RO plant capacities given are for how many hours of operation ? whether it is 20 or 24 Hrs.? | RO plant operation will be 20 hours |
| 16 | What is the capacity for proposed Solar PV system? Are there any quota restrictions for PV power generation? | Maximum available capacity from the admin building and/or facility building shall be utilized for installation of Solar PV |
| 17 | What are the power house capacities of each island? | Employer will provide this information during the design stage of the project. As for now the bidders may assume the island power grids have the capacity to meet the requirements of the project. |
| 18 | Schematic drawings of sewerage drawing uploaded to ministry web site (Fokaidhoo) shows an OR and STP. But in the BOQ there is no item for OR and STP. Please clarify whether all other sewerage systems should equip with the same. | The successful bidder is required to design the Sewage Treatment Plant (STP) under sewerage projects, however STP is not included in the scope of works for construction. |
| 19 | Please clarify about the forms that have been mentioned as deleted in the bracket section 4. (4.2.7, 4.2.8, 4.3.2, 4.3.4). Do we need to fill if deleted? | The forms are deleted and does not form part of the tender document |
| 20 | Do we need to fill Essentially certificate at this stage? | The bidder is not required to fill the essentiality certificate |
| 21 | ITB 31(b) has mentioned about power of attorney or do we need any addition letter to to prove bidders commitment? | The bidder is not required to provide any additional letter |
| 22 | Can we request for a pre-bid meeting as there are many questions regarding all these projects. | A pre-bid meeting will not be held. The bidder may send queries through writing |

R.ALIFUSHI - WATER SUPPLY SYSTEM

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| 23 | As per the supplied boq, schadule3- house provision 56 nos and as per design report 556 house holds | The required no. of house connction is given in employers requirement "Island Infor and Design Requirements" and shall be quoted under the relevant BOQ item. The bidder is also required to quote an additional nos of house connections as given in schedule 04, provisional sums. |
| 24 | are we need to supply meter to 556 nos or 56 nos ? | Same as above |
| 25 | if supply the meter only for 56 nos for other 500 nos? | Same as above |
| Section 06 - Employer's requirement | | |
| Under design requirement sub catogery : survey | | |

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| 26 | Contractor scope of followings | |
| 27 | bench marks | The successful bidder is required to carry out the surveys as specified under Employers requirements. As part of the survey, the bidder is required to establish 03 Bench marks in accordance to control survey guidelines of Maldives Land and Survey Authority (MLSA) |
| 28 | Land use plan | Upon completion of the topographic survey, the bidder is required to update land use plan of the islands to incorporate the relevant information listed under survey requirements. |
| 29 | Road names | Same as above |
| 30 | Public building locations | Same as above |
| 31 | High tide and low tide marking | Same as above |
| 32 | Harbor basin and revetment mapping to drawing | Same as above |
| 33 | Significant trees, electric distribution boxes, electric light poles should be marked in the survey map. | Same as above |
| 34 | Where septic tanks or existing networks are located, it should be marked in the map. | Same as above |
| 35 | The levels on all existing roads should be taken at 10m intervals from the center of the road and at all junctions | The successful bidder shall execute the survey as per the requirements laid out in the employers requirements |
| 36 | Expected outfall location for brine discharge | The location of water and/or sewerage facilities shall be identified in consultation with the island councils and based on approved land use plan of the island. The identified location and any alternative locations shall be identified in the updated land use map. |
| 37 | Expected outfall location from sewer treatment plant | The location of water and/or sewerage facilities shall be identified in consultation with the island councils and based on approved land use plan of the island. The identified location and any alternative locations shall be identified in the updated land use map. |
| 38 | All survey files, including editable copies should be provided to client with the survey report and land approval request documents. | The updated land use map and other required survey maps shall be submitted to the employer (editable versions) as part of the reporting requirements under the design phase |

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| 39 | Location of the RO plant | The location of water and/or sewerage facilities shall be identified in consultation with the island councils and based on approve land use plan of the island. The identified location and any alternative locations shall be identified in the updated land use map. |
| 40 | Location of the sewer treatment plant | The location of water and/or sewerage facilities shall be identified in consultation with the island councils and based on approve land use plan of the island. The identified location and any alternative locations shall be identified in the updated land use map. |
| 41 | The location of the bore hole pumps | The location of water and/or sewerage facilities shall be identified in consultation with the island councils and based on approve land use plan of the island. The identified location and any alternative locations shall be identified in the updated land use map. |

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| 40 | Location of the sewer treatment plant | The location of water and/or sewerage facilities shall be identified in consultation with the island councils and based on approve land use plan of the island. The identified location and any alternative locations shall be identified in the updated land use map. |
| 41 | The location of the bore hole pumps | The location of water and/or sewerage facilities shall be identified in consultation with the island councils and based on approve land use plan of the island. The identified location and any alternative locations shall be identified in the updated land use map. |

3. section 2 -BDS - ITB.19.1

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| 42 | the currency of the payment is Maldivian rufiyaa. | The payments will be made in Maldivian Rufiyya (MVR) only. |
| 43 | Some portion of foreign currency has been required for order the materials which we bringing from abroad. Such as pumps, PVC pipes & fittings, HDPE pipes & fittings, valves, storage tanks, RO plants, solar power system. | |

Common requirements



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| 44 | Official letter from the tender department or relevant authority for visit to the island for get the network length, and location of power plant and other locations | The bidder may consider the tender advertisement as an official document from Government and may use it for the purpose of any site visits |
| B.HITHAADHOO | | |
| 45 | The Contract time period of the project? | The total duration of the project is 24 Months. The bidder may schedule the design and construction works based on their experience/judgement. The design period shall not be more than 05/06 Months. |
| 46 | Please clarify whether duty free facilities available for the project? | Equipments and machineries which are imported for the purpose of the project and are to be re-exported at the end of the contract, would get duty concessions as per the current regulations. |
| A. General Requirement | | |
| Section 06 - Employer's requirement Construction part 1- General works | | |
| Sub paragraph 2.31.1 Furnishing of the Site Office for the Engineer | | |
| 47 | New, good standard office furniture and equipment | The succesful bidder is required to establish and furnish the Engineer's site office with standard office furniture (furnitures shall include chairs, desks and other ancillary items). The bidder is not required to provide office equipments (computers, printers etc) and telephones/internet etc |
| 48 | list of furniture | |
| 49 | list of equipment | |
| Sub paragraph 2.33.2. Laboratory Building | | |
| 50 | Field Density tests using core cutter and sand replacement methods | 2.33.2 is not required. However, the contractor should ensure that the compaction of the trenches are carried properly and to the satisfaction of the Engineer. Additionally, contractor should ensure the coarse aggregate and fine aggregate delivered to site conforms to the relavent standards |
| 51 | purpose of above test is included in the scope | |
| 52 | Sieve analysis | |
| Section 06 - Employer's requirement construction part 3 - WSS work | | |
| Under 3.15 Brine reject line | | |
| 53 | Brine reject line typical drawings are missing in the received drawing set | The brine reject line will be site specific and should be discharged to sea. The typical anchor blocks provided for the sea outfall can be used for anchoring the brine reject line. The Brine reject can be discharged to lagoons (where |

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| | | there is no live coral cover) or to harbour basins depending on the findings from the EIA |
| 3.16. Permeate and Feed water pipe lines | | |
| 54 | Feed water pipe lines drawing missing in the received drawing set | Requirements are provided in the refered clause.As indicated the typical drawings are provided for some of the components. |
| 5.4.4. Depth of borehole | | |
| 55 | As per the employer requirement the expected borehole depth between 60-85mtr | The depth of the borehole shall be 30-40 meters |
| 56 | and The in-land borehole depth shall not be less than 60 m. | |
| 57 | The depth of borehole as per the typical drawing - TYP-W02 is 30mtr | |
| 58 | what is the correct depth of borehole | |
| Section 06 - Employer's requirement Constrution part - Sewerage works | | |
| Under 2.40 Key features of specifications | | |
| As per employer requirement the manhole cover and frame material are ductile iron | | |
| 59 | As per typical pump station drawing - TYP/S01 manhole cover and frames material are cast iron/ SS316 | Manhole Covers should be Cast iron/Ductile iron |
| 60 | What is the correct material using for manhole cover and frames. | |
| Section 06 - Employer's requirement Construction part - Sewerage works | | |
| Under 3.13 Sea outfall pipe line | | |
| 61 | Sea bed profile is missing in the typical drawing sets. | Typical drawing for sea outfall line is provided under "Employers Requirements - Typical drawings". If the drawing is missing, the bidder may refer to the typical drawings provided under a different water/sewer island of the batch. B98:C99 |
| 62 | The pipe shall be placed in the natural rock bed grove as shown in the drawings. Described drawing is not in the in the typical section | Typical drawing for sea outfall line is provided under "Employers Requirements - Typical drawings". If the drawing is missing, the bidder may refer to the typical drawings provided under a different water/sewer island of the batch. B98:C99 |

B. WATER SUPPLY SYSTEM

BILL OF QUANTITY AND DESIGN REPORT COMPERISON



Signature

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| 63 | As per the boq, schedule 5- Provisional Sum - Schedule 3 house provision 28 nos and as per design report 278 house holds | The required no. of house connection is given in employers requirement "Island Infor and Design Requirements" and shall be quoted under the relevant BOQ item. The bidder is also required to quote an additional nos of house connections as given in schedule 04, provisional sums. |
| 64 | Are we need to supply meter to 278 nos or 28 nos ? | |
| 65 | If supply the meter only for 28 nos, for other 250 nos need to supply provision? | |
| 66 | As per design no of commercial and institutional connections are 42 nos and are that qty is included in the no of households? | Commercial and institutional connections are included in the total no. of households/house connections |
| C.SEWERAGE SYSTEM - AS PER DESIGN DETAILS | | |
| 67 | Please clarify whether construction of Sewer Treatment Plant or Sea Out fall Pump Station for Sewer System? | The successful bidder is required design the Sewage Treatment Plant (STP) under sewerage projects, however STP is not included in the scope of works for construction. |
| 68 | Starting point of gravity line CO typical drawing is shown multiple man hole. | As EPA required a small diameter manhole to be placed in at the starting points (cleanout points) a maintance shaft of 400mm dia shall be used |
| 69 | can be used 160 pvc Y fitted CO | |
| 70 | As per the boq, schedule 5- Provisional Sum - Schedule 4 house provision 28 nos and as per design report 278 house holds | The required no. of house connection is given in employers requirement "Island Infor and Design Requirements" and shall be quoted under the relevant BOQ item. The bidder is also required to quote an additional nos of house connections as given in schedule 04, provisional sums. |
| 71 | Are we need to supply meter to 278 nos or 28 nos ? | |
| 72 | if supply the meter only for 28 nos, for other 250 nos need to supply provision ? | |
| 73 | As per design no of commercial and institutional connections are 42 nos and are that qty is included in the no of households? | Commercial and institutional connections are included in the total no. of households/house connections |
| 3. Section 2 -BDS - ITB.19.1 | | |
| 74 | The currency of the payment is maldivian rufiyaa. | Payments will be made in Maldivian Rufiyya (MVR) only |
| 75 | Some potion of foreign currency has been required for order the materials which we bringing from abroad. Such as pumps, PVC pipes & fittings, HDPE pipes & fittings, valves, storage tanks, RO plants, solar power system. | |
| D. Common requirements | | |
| 76 | Official letter from the tender department or relevant authority for visit to the island to get the network length, and location of power plant and other locations | The bidder may consider the tender advertisement as an official document from Government and may use it for the purpose of any site visits |
| 77 | AutoCAD file of given LUP (if its not in AutoCAD also) | The Employer does not provide CAD files during the bidding stage. Available landuse plans are provided in PDF files. |

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| 78 | Typical drawing of admin building for sewer treatments (or approx. dimensioned) | for sewer systems admin building should be of 8m by 8m (Or with equivalent area) |
| 79 | if the treatment plant not applicable for sewer systems, can we remove the admin building from the given scope | The admin building is included in the scope of works. |
| 80 | Network(S&W) length can change significantly within construction period. Do we plan for current island specific data provided in the bid document or consider the developments as per LUP provided by council. In some islands network length increases by 3 times of data provided. | Employers estimate of the network length is provided under island specific information. The bidder is required to carry out his own estimates and verify this information. Future developments shown in the land use plans shall be covered in the design |
| 81 | Water Sampling or testing training not included in 2.46 | 2.46.1- under chemistry the sampling and testing should be covered |
| 82 | 3.1.2 states that any existing (unnecessary) buildings need to be removed at our cost. Does this include mass concrete structures and buildings. | As indicated any existing structures including mass concrete structures or buildings will need to be removed by contractor |
| 83 | 3.1.4 (2) water bowser(3kL) is suppose to be provided while dewatering and network laying is ongoing for assisting community | Confirmed- this is to facilitate the arrangement of temporary water if the surrounding households experience major salinity intrusion or lowering of ground water table due to the dewatering activity |
| 84 | 6.0 Jetting vehicle highlighted but pulling vehicle type not mentioned. This is very heavy to mobilize with man power. | Jetting machine shall be trailer mounted |
| 85 | 5.4.4 As per bid document borehole has to be drilled to a minimum of 60m. At previous projects bores were drilled to 30m-35m. Drilling for 60m and higher would double drilling cost. | The depth of the borehole shall be 30-40 meters |
| 86 | 6. Under design requirement section B water supply system diagram it states, Raw water storage tank. Is this tank required? | Raw water storage tank is required |
| 87 | Under design requirement section B water supply system diagram it shows, product water tank and mixing tank separately. As oppose to this, in Island specific data the information does not specify a mixing tank. | Mixing tank is required |
| Scope of work | | |
| 88 | 2.31 Is lab criteria and equipment(2.32, 2.33.2) necessary to be provided for site engineer. | 2.32- Surveying Equipment should be available and 2.33.2- Laboratory building is not required. |
| 89 | STP is mentioned in scope of work but not included in BOQ. | The successful bidder is required design the Sewage Treatment Plant (STP) under sewerage projects, however STP is not included in the scope of works for construction. |
| 90 | Do we require a separate admin building for water and for sewerage in the same island | The admin building for water and sewerage facilities is common |
| 91 | Section 7 page 2 Full survey of island is included. We we quote for this item separately. | Cost of survey works shall be quoted under price schedule 1, item 1 (Design works, survey) |
| Others | | |
| Section/Clause | | |



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| 92 | ITB 11.2(h) Please advise duration of the acceptable authorization (Power of Attorney) | Power of Attorney provided for the purpose of bidding stage shall last until the end of bid validity period. In case of a JV, the successful bidder shall provide power of attorney throughout the duration of the contract execution. |
| 93 | Please confirm the duration to complete each island. | The total duration of each project is 24 Months, inclusive of design, construction and commissioning. |
| 94 | Confirmation whether below documents/forms shall be disregarded from the bid documents since it's mentioned as "Deleted" in the tender documents of all projects. | |
| | 4.2.7 Proposed Subcontractors/Manufacturers for Major items of plant and services (Deleted) | Proposed Subcontractors will not be considered for the purpose of bid evaluation , this section is therefore deleted |
| | 4.2.8 Time Schedule (Deleted) | Alternative time schedule is not allowed under this bid, this section is therefore deleted |
| | 4.3.2 Technical Schedule - Sub Contractors qualification (Deleted) | Proposed Subcontractors will not be considered for the purpose of bid evaluation , this section is therefore deleted |
| | 4.3.4 Technical Schedule - Employers' requirement compliance declaration by the Sub Contractor (Deleted) | Proposed Subcontractors will not be considered for the purpose of bid evaluation , this section is therefore deleted |
| 95 | Please provide site condition | The bidder is required to gather information on site condition and examine the site at his own expense |
| 96 | Ground water can be used for construction | Ground water can be used for construction, provided necessary tests are done prior to usage and the water is deemed to be fit for the purpose. |
| 97 | Please clarify the availability of material storage & accommodation | The bidder is required to establish his own labor camp. Required land for this and material storage will be provided. |
| 98 | Please confirm Rock sand can be used for Structural concrete works | Rock sand/river sand can be used for concrete works. However, any material used under the project will be subject to approval by Employer. |
| 99 | Please provide the existing jetty access and details for transportation of men and material | The bidder is required to gather information regarding the sites at this own expense. |

Signature

