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No:	TES/2019/W-019	
Project:	Design and Build Basis for Construction of Water Supply Facilities in Sh.Kandhitheemu, Maldives	
Issued Date	19 th February 2019	
No. of Pages: -12	Boq: -00	Drawings: -00

Please include this amendment when submitting the bid. ١٥

- Find the attached Clarification 1
- The following changes are brought to the Data Sheet:

<p>ITB 23.2</p>	<p>For bid submission purposes only, the Employer's address is</p> <p>Mr. Ahmed Mujuthaba Chief Procurement Executive National Tender Ministry of Finance Ameenee Magu Male', Republic of Maldives</p> <p>The deadline for bid submission is Date: 28th February 2019 Time: 1300 hours Maldivian time</p>
<p>ITB 24.1</p>	<p>The bid opening shall take place at : National Tender Ministry of Finance Ameenee Magu Male', Republic of Maldives</p> <p>Date: 28th February 2019 Time: 1300 hours Maldivian time</p>

Revise ITB 11.2 of BDS as below

ITB 11.2	<p>The Bidder shall submit with its Technical Bid the following documents:</p> <p>Letter of Tender</p> <p>Letter of Technical Bid</p> <p>Completed Schedules as required and as given in Section 4 (A)-technical Proposal.</p> <p>Bid Security in accordance with ITB 21</p>
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[Signature]

	<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

ITB 14.1	Not applicable
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Delete ITB 16.1 (b)

Add ITB 16 as below

ITB 16	Not applicable
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Add 18.3 as below

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>

محرر
Name: Ahmed Mujuthaba

مختبر
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
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

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

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

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

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.

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

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
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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 referred 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



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 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.
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 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.
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.



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		



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
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	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.



