



ADDENDUM 1

އަދަދު 01

ނަންބަރު No:	TES/2017/G-12		
ފޮޓޯގްރާފިކް ނަންބަރު Project:	Provision of RO Plant and Storage Tank in 14 Islands: Package 1 (5 Islands) (Hdh. Nellaidhoo, Hdh.Kumundhoo, Hdh. Makunudhoo, Hdh.Vaikaradhoo, Hdh. Nolvivaram).		
ދިޔަ ތާރީޚް Issued Date	07 <sup>th</sup> June 2017, Wednesday		
ސަފުހާ ގެ އަދަދު No. of Pages: -01	ސީ.އޯ.އެލް. ގެ އަދަދު B.o.Q: -00	ޖަހާފައިވާ ރިއުޔަތްތަކުގެ އަދަދު Drawings: -05	

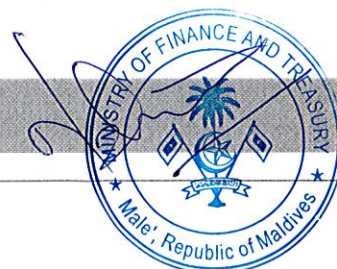
Please include this amendment when submitting bid.

- Clarifications are attached to this Amendment 1
- Drawings are attached to this Amendment 1 and is uploaded to website.

The **Bid Opening** for the project will be held on **Tuesday, 20<sup>th</sup> June 2017, 11:00hrs** at National Tender and Project Monitoring / Ministry of Finance and Treasury (5<sup>th</sup> floor, Treasury building)

ނަންބަރު  
Name: Aminath Naheen Ahmed

ސަފްދާ  
Signature:





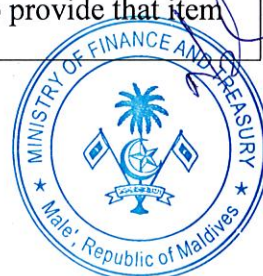
Ministry of Finance and Treasury  
National Tender and Project Monitoring

**Attachment of Amendment 1**

**Clarifications for:**

**Provision of RO Plant and Storage Tank in 14 Islands: Package 1 (5 Islands) (Hdh. Nellaidhoo, Hdh.Kumundhoo, Hdh. Makunudhoo, Hdh.Vaikaradhoo, Hdh. Nolvivaram). (TES/2017/G-12)**

#	Queries in common	Answer/ Clarifications
	<b>Bidder: Puritas (Pvt) Ltd</b>	
1	What is RO Plant capacity? m <sup>3</sup> / hr hrs/ day	15m <sup>3</sup> per day 15
2	Is there a provision for trial boreholes to be drilled? If yes, how many needed to be drilled?	No
3	What is the distance from the island power house to the proposed plant building? Or indicate where is the island power house is located? .....	Maps with location of Powerhouse attached, some includes the cable path. However, need to further verify the cable path. We cannot give an exact cable length now, these require on site thorough verification.
4	Backup Genset & Solar Power Storage have noted in RO plant building drawing. But that item is not include in the B.o.Q. Please clarify whether we have to provide that item?	That's for future expansion. You don't have to provide that item



5	Amount of ceiling mount energy saving light shown in drawings are 8. But in the B.o.Q it is denoted as seven. What is the correct amount?	8 is the correct figure
<b>Bidder: Static (Pvt) Ltd</b>		
1.	Section 2 Bid Date Sheet ITB 2.1:-“Finance Agreement Amount USD.....” Does it requires any financial agreement...if yes what is the value?	No, not applicable
2.	Section 3 Form: Eligibility Qualification Criteria 3.1:- Since the project Value is very small and the construction is for a small building kindly let us know if USD 1M is compulsory or if there is any minimum range for any 1 Package.	1M is compulsory
3.	Section 3 form 3.1:- For the Package 1 it requires plenty of Professional Key Personal. Since the Islands are in the same atoll and the volume of construction is relatively very small does it requires this 19 no of professionals for the project? If it is minimized the value of project can relatively go down still the work can be completed as per the standard there for let us now if there can be any minimized qty in nos as per the plan of the contractor or any alteration or revision in No. of Professionals.	The stated professionals are required
4.	Section 3 Form 3.6 Equipment:- Mini Excavator/ backhoe 1 each Island – Let us know if 1 or 2 can be eligible to share among island to do the job, since it is possible and the volume of work is very small. This would further bring down the project price but the work can be done as per the schedule.	Stated equipment are required for each island, as the work is to be carried out simultaneously. However, could provide an alternative with less Mini Excavator/ backhoe justifying that the work will go as per schedule simultaneously in each island
5.	Drawings: - We do not see the location of Power House so we need the Location of Power house to be marked in the provided	Maps with location of Powerhouse attached, some includes the cable path. However, need to



	Google Map and the cable path from Power House to Plant House.	further verify the cable path
6.	Bill # No. 9.1- Since the proposed cable size is 150sqmm it is very important to know the distance. Can we have cable Length for each Island from Power House Panel (Point where power to be tapped from the grid) to Plant House Panel Location.	We cannot give an exact cable length now, these require on site thorough verification.
7.	Bill #No 9.9:- Bore Hole Pump:- Is it possible to go for an alternate Pump instead of an Actual Bore Hole submersible Pump, which will meet the performance and Durability and easy for Maintenance	An alternative pump is possible
8.	Drawings: - ATS Panel SLD is not provided is it possible to have it or we do we have to design it?	Currently we don't have SLD design, so you may design it as per drawings and other information given
<b>Bidder: MWSC</b>		
1.	<p>Please confirm Cable size and length and Total power requirement from Island main power supply to ATS</p> <p>150sqmm x 4C cable is proposed in BOQ for main cable from Island main supply.</p> <p>Proposed cable rating might be over sized compared to total power requirement for the systems to be supplied.</p> <p>Also Instead of LS as base unit for costing , it is important to provide total load requirement and cable length required as the price of cable per meter will reflects item price significantly -</p>	This to accommodate for future needs
2.	<p>Please provide designed Flow and Head for submersible borewell pump.</p> <p>Does it require variable speed control for the pump</p> <p>Details not found in technical specifications and BOQ</p>	No variable speed only constant speed
3.	<p>Please provide designed Flow and Head for distribution pump</p> <p>Does it require variable speed control for the pump</p> <p>Details not found in technical specifications and BOQ</p>	There is no distribution bump



4.	<p>Does the second RO unit work as stand by unit?</p> <p>With reference to the details provided in technical specifications, system consists of 2 RO units producing 15.3m<sup>3</sup>/day each @ 18 hrs operations. And RO plant schematic drawing shows common filter pump and pre filtration units for both RO's</p> <p>With given sizes of 2.4m<sup>3</sup>/h for filter pump and media filter and RO recovery of 35%, both RO units of 15m<sup>3</sup>/day each will not be able to operate simultaneously</p>	<p>It's a lump sum item, so you can propose media and cartridge filter for each RO PUMP</p>
5.	<p>Please provide raw water analysis / parameters to be considered RO design.</p> <p>As per the document reference , bidder has to provide Antiscalant details and its dosage mg/l and quantity required per year</p>	<p>Raw water analysis in not done at the moment, so to assume as other islands</p>
6.	<p>Do you accept alternate proposals for equipment?</p> <p>Technical specification specifies SS304 for all wet part materials</p> <p>Based on our experience, SS304 is may not be durable for wet parts due environment conditions and high feed water TDS, especially when system not operating on regular basis.</p> <p>Hence SS316 L or higher grade material is recommended</p>	<p>please propose as per specified in the bid</p>
7.	<p>Please provide technical details ( head , flow etc) for recirculation / transfer pump</p> <p>Details not found in technical specifications and BOQ</p>	<p>It is an ordinary pump to transfer water from one tank to other when needed</p>
<p><b>Bidder: Mohan Mutha Exports Pvt LtdSiyat</b></p>		
1.	<p>6-B-1 Water Consumption Data: Specification For Reverse Osmosis Plant</p> <p>We request the client to kindly provide the sea water quality and required outlet water quality.</p>	<p>Raw water analysis in not done at the moment, so to assume as other islands</p>



2.	Maximum amount of delay damages: 10 % of the final Contract Price. We request the client to kindly consider 5% of final contract price instead of 10%	We can only consider 10% as this amount is approved amount from the loan funding agency
3.	Plant and Materials for payment Free on Board 60% Plant and Materials for payment when delivered to the Site 80%  We request the client to kindly elaborate the payment terms during construction period	Payment terms we require for the Construction period is Plant and Materials for payment when delivered to the Site 80%; as we are not accepting Letter of Credit (LC) method.
4.	Supply and installation of RO plant of production capacity of 15 tons per day. Rate shall include all connection and fittings.  The mentioned capacity of RO system (15 m3/day) for package 1, 2 and 3 is same for all the locations and maximum capacity of RO system is 100 m3/day in 24 hrs. We request the client kindly review the capacity of RO system and kindly confirm the recovery to be considered for RO system.	Recovery is 35 percentage
5.	Provision of RO plant and Storage tanks in 14 islands  We understand the total no of Island is 12 Nos (Package 1- 5 Nos, Package 2- 4 Nos , Package 3- 3 Nos) But NIT it is mentioed as 14 Nos of Island. Please confirm.	14 islands is an error, it is 12 islands
6.	We request the client to kindly specify the capacity of DG system to be provided.	Question clear. Please verify more
7.	We request the client to kindly specify the capacity of Fuel storage tank to be provided.	Fuel tank is not needed
8.	We request the client to kindly Clarify whether O&M period to be considered or not	Operation and maintenance is 6 months
9.	we request client to provide SLD diagram for RO plant	Currently we don't have SLD design, so you may design it as per drawings and other information given

