



Ministry of Finance
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CLARIFICATION 1

ސަފުޙާ 1

ނަންބަރު No:	TES/2020/G-014	
ޕްރޮޖެކްޓް ނަންބަރު Project:	Supply, Delivery, Installation and Commissioning of Semi-Automated Sorting Station for Municipal Solid Waste at R.Vandhoo RWMF	
އިއްޔުކުރީ ތާރީޚު Issued Date	March 7, 2021	
ސަފުޙާ ގެ އަދަދު No. of Pages: -03	ބޯޕް ގެ އަދަދު Boq: -00	ނެޕްޑް ގެ އަދަދު Drawings: -00

Please include this clarification when submitting the bid. ސަފުޙާ 1 ގައި މި ޕްރޮޖެކްޓް ގެ ބަޔާން ބަލާއިރު މި ޕްރޮޖެކްޓް ގެ ބަޔާން ބަލާއިރު މި ޕްރޮޖެކްޓް ގެ ބަޔާން ބަލާއިރު.

- **Answers to the Queries are attached with this Clarification**

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Name: Fathimath Rishfa Ahmed

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Signature:





Ministry of Finance

Project Name: Supply, Delivery, Installation and Commissioning of Semi-Automated Sorting Station for Municipal Solid Waste at R.Vandhoo RWMF

Project Number: TES/2020/G-014

Clarification 1

	Questions	Answers
1	Do you expect more material in the future?	Yes, with the inclusion of Zone 1 atolls an increase in the volume of waste is assured
2	What do you mean by SRF? In Europe it's high-quality RDF. Is the existing incineration plant designed for this?	Solid Refuse Fuels (SRF) & Refuse Derived Fuels (RDF) vary slightly in that SRF is more commercial based, the term is used to express the size of the material after the final shredding process, RDF is more than acceptable
3	What is the desired calorific value you expect to achieve from RDF?	A full waste characterization study has not been undertaken at this time; therefore, it would be advised to work towards an industry norm of 9.1 MJ kg ⁻¹
4	SRF systems require a precise definition of the input material. So is there an exact specification?	A full waste characterization study has not been undertaken at this time
5	Or in other, simple words: What combustion technology does the incineration plant have?	Put simply: 1 x Weishaupt LT5 Burner is fitted to the Primary Combustion Chamber operating at 850c 2 x Weishaupt LT5 Burners are fitted to the Secondary Combustion Chamber operating at 1100c All burners are diesel fuelled with added combustion air. The incinerator is a moving grate incinerator
6	Should the treatment systems be Mobile or stationary?	Where feasible the front end i.e. trommel should be available as a mobile option, anything beyond that point has to be stationary
7	If mobile, then only pre-shredder and mobile Trommel screen. The rest is stationary	Correct
8	<u>Pre-Shredder as a first step.</u> In the tender document nowhere mention of Pre-Shredder. With our manufacturers experience they would recommend a pre-shredder in the first place which will work as a Feeding device, Shredder as well as a Bag opener. Our Terminator which is a slow running shredder is one of the best in the world. This will shred the material to a specific size which will increase the efficiency of segregation.	If the question is as a pre-shredder is not mentioned can it be quoted for? It would be advantageous for all bidders to offer their best available techniques, if that includes a pre-shredding option then please state this, if an additional option negates the need for a process further down the line then please state this also e.g a pre-shredder may negate the need for a slow speed (fines) shredder further down the line. It is in all bidder's interest, to offer what they feel is the best solution. In case if any additional items are proposed (other than what is mentioned in the specifications), bidder is required to provide price breakdown for that specific item, in the relevant financial forms of

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		the bid. This is for evaluation purposes.
9	Do you expect a closed Manual sorting Cabinet with A/C and other features? or an open Hand-picking station on the conveyor?	The hand-picking station should be left open. Please note that the complete sorting line will be installed in an enclosed building.
10	With reference to the tender in subject, please kindly clarify whether this procedure is national or international; indeed, the Invitation to tender states that "the Ministry of Finance invites bids from local and international eligible and qualified bidders" and also "bidding will be conducted through national competitive procurement".	International Competitive Bidding

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