



AMENDMENT 7

## Ministry of Finance and Treasury

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ىتۇنىۋە بر No:	TES/2017/G- 19
ereject:	Design, Supply and Installation of a Waste Incineration plant with energy recovery in Addu city
Issued Date	Monday, 1st April 2018
<u>۲۰۶۶ مترد</u> No. of Pages: -01	نَحْرُنَرْ هِ الْمَرْنِيْرِ Boq: -00 Drawings: -00

بة رَرَرَدُوْدِرْ بِهِ سَوْسَة بْبِهُوَسْقُدٍ مَنْ رُمَرَدُوْدُوْرْ غَرِوَ بَدِرْتَدْوَرْدْ فَرِوْ بَدَرْتَدُوْ

1. As mentioned in the tender document, the Waste composition (50tpd) is not sufficient to generate the required Power Generation of 1MW for Grid and balance to meet the Power plant auxiliaries.( we have calculated the total power generation based on available waste composition of tender docs as per attached energy derivatives datasheet).

Please note, composition of the waste has been considered based on the worst case scenario and same was mentioned in the tender for the design purpose. The proposed system should be consisting with temperature maintaining burner(s) to maintain the temperature of combustion and flue gas side, which will lead to have constant heat load from the furnace to the boiler. With the given waste composition we assumed additional fuel such as diesel and waste oil will be needed to generate and maintain 1MWe power to the grid and fuel consumption will be approximately as 180 to 220 Liters of LDO per hour and 50 to 75 Litre of waste engine oil per hour (waste oil calorific value 8500kcal/kg net).

Consumption of diesel fuel will be varying with the quality of MSW and the moisture content, but the fuel consumption should not exceed the above quantity when the incoming composition of waste as given table in the tender.

2. As per tender document, the available waste composition ( household+resort ) can only generate maximum 0.58 MW which is half of required Power of 1MW.

To generate 1MW Power, we need approx. 120TPD Waste (Household + resort Waste)

Above explanation will be suitable for this question as well.

3. We request you to please confirm whether 120 TPD Waste is available to generate 1MW Power or should we prepare the Bid for power generation of maximum 0.58MW with the available waste.

120TPD of waste will not be available at this particular region therefore please consider diesel and waste oil as additional fuel and do a mass balance calculation and stick in to 50TPD of MSW capacity.

Please be informed that the <u>bid opening</u> for the project is <u>Postponed</u> to <u>26<sup>th</sup> April</u> <u>2018, 1000hrs</u> at Ministry of Finance and Treasury.

