

**Clarifications Number Six (6):Tender No. PA/001/2018-19/HQ/W/031**

**Tanzania-Zambia Transmission Interconnector Project (TaZa); Design, Supply, Installation, Implementation, Training and Commissioning (CMS)**

Item No.	Page Number	TANESCO Technical Specification/Document File	Clarification Required	TANESCO Response
1	NA	NA	Would there be a conference for all tenderers to consult with Tanesco to ensure we have the right understanding after these numerous changes in the specification.	There will be no conference prior to bid opening. The bidders may request for specific clarifications required to be responded if there is any issue.
2	NA	NA	Do we have any idea of the number of hosts that will attach to the storage?	Refer to T-TS-1 which state as follows " <i>The Bidder will be expected to conduct hardware sizing and provide server and storage infrastructure based on TANESCO's specific requirements, operational projections and scalability options (e.g. processor, storage, memory).</i> " page 314
3	NA	NA	With the mention of High Availability on site does his refer to redundant hardware internal to the storage subsystem or an equivalent storage in the same site providing a full storage cluster.	Refer to T-TS-12 on page 316, T-TS-31 & T-TS-32 on page 318, and T-TA-2 page 326 for clarification on High Availability requirement
4	NA	NA	Do we have an indication of the storage performance in terms of the IOPS?	TANESCO does not have storage performance in terms of IOPS. However for performance requirement to Refer T-TS-8 page 315 , also may refer to T-SR-14 on page 333
5	NA	NA	What applications and databases will be hosted on the sto	Refer to T-TS-1 which state as follows" The Bidder will be expected to conduct hardware sizing and provide server and storage infrastructure based on TANESCO's specific requirements, operational projections and scalability options (e.g. processor, storage, memory). " page 314
6	NA	NA	Is replication of data required from production to DR.	YES, It is required, refer, to T-TA-2 page 326
7	NA	NA	If replication is required what is the distance between the sites and are, they going through Dark Fiber or MPLS Links?	Distance approximate 320km, Connectivity between the sites using Point to Point through optical fibre
8	NA	NA	Is there encryption of data required?	YES, It is required, refer, to T-SS-19 page 326
9	NA	NA	Is there any deduplication or compression of Data Require	YES, deduplication or compression of Data Required is required , for the On site Enterprise level storage systems to be supplied the vendor . Refer to T-TS-1 which state as follows " <i>The Bidder will be expected to conduct hardware sizing and provide server and storage infrastructure based on TANESCO's specific requirements, operational projections and scalability options (e.g. processor, storage, memory).</i> " page 314
10	329 and 379	T-TA-26 - The Bidder shall supply and implement an enterprise open source server operating system for the ERP and provide details on compatible operating systems that meet this criteria. Section 2. TANESCO Systems - The operating environment is based mainly on Linux based operating systems for servers and Windows for desktops. The standard internet browser is Internet Explorer.	Are we looking at Opensource Linux Server operating system for all the applications or can we propose Microsoft Windows Server Operating system	Bidders shall comply requirement provided under this requirement T-TA-26 on page 329, which states that "The Bidder shall supply and implement an enterprise open source server operating system for the ERP and provide details on compatible operating systems that meet this criteria. The operating system should align to TANESCO operating environment standards (see background section). Special version or non-standard versions must be avoided in the design of the solution. All specific requirements must be clearly stated in the bid proposal. Priority "
11	354 and 368	SYSTEM INVENTORY TABLE (SUPPLY AND INSTALLATION COST ITEMS) - REVISED	No. of Payroll License required? Should we consider the number as 7040 License	YES, The bidder shall consider payroll license based on the number of staff provided i.e 7040 staff
12	318	T-TS-9 - (The bidder will not be supplying network hardware as part of this bid).	What is covered as part of Network Hardware? Who will provide the network hardware ?	The bidder must provide minimum requirements for network infrastructure based on their proposed solution for sizing purposes.

13	269	CS-1 - Ability to generate trend analysis reports in real time for various customer service reports	How many users will need access to generate the trend analysis reports? This is required to calculate the license	The bidder shall propose accordingly for optimal users (license) distribution for TANESCO to have best usage of system as start. Refer page 351 System inventory Table that reads: " <i>Note: *TANESCO envisages procuring licenses for a total of 1500 named users across modules of the ERP, (excluding modules estimated based on TANESCO staff count e.g. payroll), and 750 concurrent users for GIS, as a start. The bidder is to propose breakdown based on the information provided. Additional licenses may be procured by TANESCO at its discretion</i> ".
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