

Tender Number:		205G/2024/25	CLARIFICATIONS REGISTER #2
Tender Clarification Meeting Date & Time:		03 April 2025 10h00 - 13h00	
Clarification Register #2		04 April 17h00 - 11 April 17h00	
No.	Date of Receipt	Query (cited verbatim from source)	Clarification / Response
01	08-Apr-25	<u>Email query - Request for number of projects rather than size of project to be scored</u> Upon reviewing the functionality criteria for the said tender, specifically the requirement that bidders should have completed a maximum of 25,000 water meter installations, with no less than 5,001 installations to score points, I would like to respectfully raise a concern. While we understand the rationale behind this requirement, we believe that it may not fully reflect the South African market. Given the current dynamics of the industry, the number of installations may not always be the best indicator of a bidder's experience and capability. We would like to propose that points be awarded based on the number of projects of water meter installation, rather than solely the number of water meters installed. This adjustment would allow for a fairer evaluation. Could you kindly advise if the City would be open to considering this amendment to the functionality criteria?	No, the City is not going to amend this criterion. Demonstrating the ability to successfully complete contracts / programmes / projects of the indicated quantities is critical for the assessment of the capability to deliver a programme of this complexity. Please note that no 'maximum' number of water meter installations has been set. To clarify, the maximum number of available points will be awarded to tenderers who have demonstrated that they have delivered 2 or more contracts / programmes / projects with over 25,000 meters each.
02	08-Apr-25	<u>Email Query - Request for extension of advertising period</u> As per the tender requirements and the clarification meeting held, there is a significant amount of action required to submit a comprehensive and competitive bid. We kindly request a 3-to-4-week extension based on the following factors: 1. This tender's complexity and detailed requirements require significant effort from various parties. 2. Various clarifications need to be collated and responded to. 3. As the likeliness of partnerships needed for this tender is fairly high, partnership agreements and requirements are a timely process. 4. Due to various religious days and public holidays in the next month, the joint availability of various skilled resources over this time is challenging. We trust that CCT would evaluate the above request favourably.	As per Tender Notice No.1, the closing date has been extended to 20 May 2025
03	09-Apr-25	<u>Email query - Clarification of Metrology Act applicability to Smart Remote Flow Restrictor/Valve</u> Our question: According to the Legal Metrology Act 2014 (Act 9 of 2014), the Smart Remote Flow Restrictor requires Type Approval (SANS 1529-1:2019 and/or SANS 1529-9:2019). To ensure accurate pricing, we need further clarification on whether this requirement applies to this tender as there are no clear product certifications called for in the tender.	<u>Please note that a final clarification on this question will be provided in a subsequent Tender Notice.</u> At this stage, it is the CCT's view that the Smart Remote Flow Restrictor would not be type approved in terms of SANS 1529 – 1/ -9. The standalone smart remote valves, which operate independently from the metering unit but may still be part of the broader system architecture, fall outside the metrological scope defined in these standards. These devices may instead be governed by other applicable standards such as SANS 16135. The specification states that the Smart Remote Flow Restrictors must be separate and downstream from the meter. Accordingly, bidders are to note the following - The Smart Remote Flow Restrictor must be installed as a separate component and housed in its own dedicated box, located downstream of the water meter as indicated in the pricing preambles. As such, it must form part of a separate installation service from the meter itself, allowing for independent commissioning, maintenance, and replacement without interfering with metrological equipment. - The Smart Remote Flow Restrictor must be IP68, fully dust-tight and capable of continuous immersion in water at least 1.5 meters. Materials must be UV-resistant, corrosion-proof, and suitable for extended outdoor exposure - The valve must include a manual override mechanism or tool-based control for emergency operation during communication failure or maintenance. - The Smart Remote Flow Restrictor requires no routine maintenance under standard operating conditions.

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04	11-Apr-25	<u>Email query - Clarification on Sigfox technology meeting Communications Technology Technical Compliance</u> Following the compulsory briefing session for the COTC Utilities Tender for the provision of water services, Sigfox SA would like to seek clarification regarding our eligibility as a Communications Network Provider as detailed in the "Functionality Criteria – Technical Compliance" section for the tender. During the briefing session, as well as in the tender documentation, it is indicated that there is allowance for an NB-IOT or LPWAN or similar network. Having thoroughly reviewed the tender documentation, we believe that Sigfox's technology fully aligns with the technical specifications and KPI's outlined in the tender requirements, furthermore the Sigfox Network is underpinned by a National Service Level Agreement, guaranteeing coverage and uptime throughout South Africa. Sigfox is a truly open access Massive IOT Network, allowing all bidders equal opportunity from a Network communications perspective to have equal opportunity in submitting their bids. Sigfox has extensive coverage within the COCT, Western Cape and Nationally, and confirm we have the necessary coverage and Network capacity to handle the traffic load presented by COCT. To ensure we proceed in line with the tender process, we kindly request confirmation in the open forum under reply of our compliance within the specified requirements, and that we may continue to provide support as an approved open access LPWAN network to potential bidders in the process of submitting their bids.	Within the "Functionality Criteria – Technical Compliance" section of the tender, "Cellular IoT / LPWAN Coverage Documentation" is identified as a key scoring criterion. Furthermore, references to IoT and LPWAN technologies appear throughout the tender documentation. Bidders are therefore strongly advised to carefully study Section C5.1 – Technical Specifications, in particular Clause 3.6: Key Performance Indicators (KPIs) and Clause 6.2: Data Collection and Communication Functional Requirements. It is the sole responsibility of the service provider to ensure the smart water metering solution meets the City's performance expectations, KPI % meter communication uptime by month-end. Service providers must implement a robust, reliable, and scalable communication network, with clear accountability for signal quality, coverage, and data integrity. As such, bidders are required to submit a comprehensive explanation of the selected communication technology, detailing the rationale behind the choice and how the solution will meet or exceed the KPI thresholds and fully comply with the technical requirements outlined in Clause 6.2. This explanation should also demonstrate how the solution supports long-term operational efficiency and reliability in the City's smart metering environment. The service provider will be responsible for the end-to-end design, deployment, and commissioning of the communication network within the City's target areas. This includes the provision and installation of all required infrastructure, communication hardware, and software systems. The City of Cape Town will generally not accept hybrid communication solutions that involve the use of multiple communication technologies across the smart water meter fleet. The preferred approach is a single, uniform communication technology deployed consistently across all meters to ensure standardization, simplify integration, and support long-term maintainability. However, limited exceptions may be considered at the discretion of the City, specifically for unique scenarios estimated to affect less than 0.5% of the approximately 83,000 meters. These include, for example: Larger meters (≥40mm) located in underground chambers Or areas where standard communication networks are known to be unreliable due to environmental or structural conditions. In such instances, the use of external signal boosters or alternative communication devices may be permitted—subject to prior approval by the City and supported by a clear technical justification In addition, the City places significant emphasis on long-term sustainability and cost predictability of the communication solution. Bidders must provide clarity on the total cost of ownership and anticipated long-term pricing models (i.e. beyond 10 years), particularly where ongoing dependencies exist between the meter and its associated communication technology. This will form part of the methodology submission and may be discussed during contract negotiation phases.