City of Johannesburg

Johannesburg Water SOC Ltd

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SUPPLY CHAIN MANAGEMENT UNIT

3 September 2025

RE: CLARIFICATION AND RESPONSE CIRCULATION NO.1

NOTICE TO TENDERERS

CLARIFICATION	
CONTRACT NUMBER:	JW 13897
CONTRACT TITLE:	Northern Wastewater Treatment Works Expansion of Capacity Unit 5 – Phase 2 (Mechanical and Electrical Works)
DEPARTMENT	JW- SCMU
Email	thapelo.teane@jwater.co.za and nthabiseng.matabane@jwater.co.za;

With reference to the above-mentioned tender please note the following clarification.

In accordance with Clause C3.1.1, herewith the amendment *"Respond to a request for clarification received up to seven calendar days before the tender closing time stated in the tender data and notify all Tenderers who drew procurement documents" "Respond to a request for clarification received up to seven calendar days before the tender closing time stated in the tender data and notify all Tenderers who drew procurement documents".* The response to the received queries is provided below.

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QUERIES		RESPONSES
CL No.	**Description (Tenderer)**	**Description (Employer/ Employer's Agent)**
C1	May the Electronic Bill of Quantities provided with the tender documents be completed electronically and submitted in a printed version rather than the handwritten version.	Yes. The typed tender document and the completed Electronic BOQ is acceptable is acceptable.
C2	May the Technical Datasheets provided with the tender documents be completed electronically and submitted in a printed version rather than the handwritten version.	The typed tender document and the datasheet may be completed electronically.
C3	Please can we ask for a date for the official site inspection to take place.	The official site inspection took place. You were given a chance to do a site walk about if you had PPE or you can arrange with Thapelo Teane if you need to visit the site at the later stage.
C4	Please provide a more detailed breakdown of the client's expectations for the Contractor during the Trial Operation period. In particular, please clarify whether items such as consumables and chemicals will be provided at the client's expense or are to be supplied by the Contractor.	The trial and Operation period is when the contractor must prove to the client and the engineer that the system can perform successfully, according to specifications stated in the tender, for a continuous period, without breakdowns and stoppages due to equipment or installation failures. It is only the successful, continuous running of the plant that must be proven. I do not believe the contractor would have to supply any chemicals required for normal plant operation (but JW must confirm this) as all chemicals are available on site and connected. **<u>Mechanical Works</u>**: The trial and operation period will commence after all site acceptance tests as specified are completed and approved by the Employers Agent, Operation and Maintenance manuals submitted and approved and all training completed. Where appropriate snag lists should have been produced and a program of action to complete the snag list agreed with Employers agent. The contractor would be required to supply lubricants, commissioning spares, fine tuning /

		settings of all equipment as necessary to prove correctness of readings and equipment performance. The purpose of the trial and operation period is to assess if all equipment supplied installed and tested meets the standards and specifications set out in the Contract Document, specifically the Project and Particular Specifications. Once the Trial and Operation period is completed, the Contractor will be responsible to inspect the works periodically repair and/or replace defective equipment as part of the defect's notification period." The contractor shall submit a detailed method statement for the performance of the Trial and Operation period detailing all proposed tests etc for approval by the Employers Agent. **Electronic Control and Instrumentation Works**: All the FATs, SATs, site inspections, instrument set-ups, COCs, data communications, cable testing, etc., should be complete and snag lists should have been produced before the trial and operation period starts. The contractor would be required to supply lubricants, commissioning spares, fine tuning of instruments, any measuring equipment required to prove correctness of readings, proof that analyser readings correspond with laboratory test results, instrument ranges are correct, etc. **Electrical Works**: The Engineer will have to witness the systems integration testing; however, the contractor will have to ensure the system is operational and meets the JW standards and safety requirements prior to the consultant's witness testing. The trial and operation period for the electrical systems testing will typically include: - Inspecting the Installation, i.e., (Check cables, cable trays, switchgear,

		MCCs, DBs, earthing, and labelling against design.) - Earthing and Bonding, i.e., Confirm all equipment is properly earthed with measured earth resistance.) - Inspection of all panels. - Switchgear and MCC Testing, i.e., (Verify breaker operation, interlocks, protection settings, and contactor function.) - Transformer Testing, (Perform ratio test, insulation test, and check tap settings.) - Generator Tests, (automatic changeover checks, runtime verification.) - Motor Testing (Motor insulation, no-load testing, directional rotation check.) - Voltage and Current Measurement, (Confirm correct supply voltages, phase rotation, and load balancing.) Operational Systems Integration Testing - Sequential Start-Up Testing, (Confirm pumps, blowers, mixers, and other equipment start in correct sequence.) - Inter-system Testing (Verify integration between PLCs, SCADA, MCCs, VSDs, instrumentation, and safety systems.) - Emergency Stop Testing, (Confirm E-stop locations work as per design)
C5	1. The following drawings are individually referenced in the specification document (JW13897-TENDERDOCUMENT-NORTHERN-WASTEWATER-TREATMENT-003) but are not included in the drawing package (DRAWINGS-JW13897-Tender-Document). We kindly request these drawings, as pricing many aspects of the works will not be possible without this information.	Drawings issued with Addendum No 1.

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	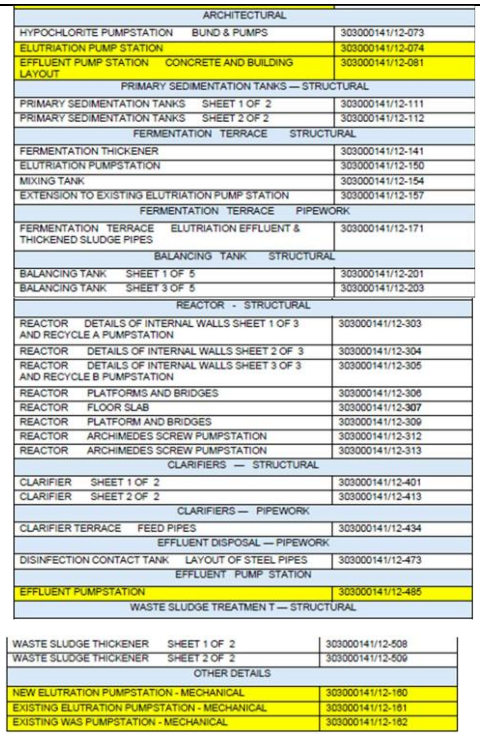 2. In addition under section PS 9.10.1 Drawing number JW13897-CE-211 is missing	Refer to Addendum No 1 for Correction.
C6	There is an ambiguity on the generator rating. • The BoQ is calling for 1600 kVA and the drawing is indicating 1000 kVA. • Drawing JW13021R-5E2-GA05 is done to a 1:750 scale, however the 1600 kVA generator cannot fit into the generator room after doing the conversion according to the scale on the drawing. • Please provide clarity to the above so that we can proceed with our costing.	The generator rating for the Unit 5 standby set must be 1600kVA and **not** 1000kVA. Tenderers are to price the 1600 kVA generator.
C7	Please can you assist with the following:	

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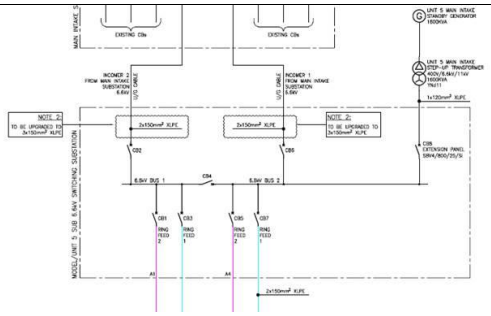
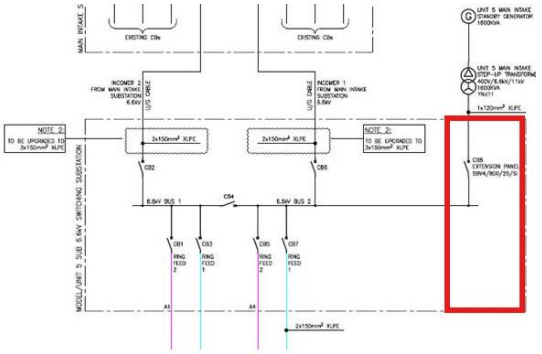


1. Is the image above for the existing Unit 5 Module 1 MV reticulation? If so then this board would be the Actom Board if I am correct where we will tie in the Actom Generator Panel to the existing board.	The image above represents the existing MV switchgear panel with 4 outgoing feeders CB1, CB2, CB5 and CB7, CB8 the Generator Extension Panel will tie into the existing board as indicated in the indicated in the image below. 
2. I don't see a single diagram drawing for Unit 5 Module 2 in the drawing pack. Please can this be provided.	The Single line diagram for the Bioreactor for Module 2 was included in the tender documents the drawing number is JW13021R-5E2-SM01. It has been Reattached your reference. The portion highlighted in RED is the extension from the generator Step-up portion. The board is an Actom SBV4 MV switchgear.
3. The MV board also requires 2 Isolators and 4 feeders. Would this not be a ring main unit? There are also no specifications as to what the amperage should be and the other boards are all 6.6kV but the new board is 11kV.	There are no existing RMUs present currently. This will be an MV Switchgear. The respective datasheet for the Unit 5 Module 2 MV Switchgear has been attached for your information.
4. Will the 2 Isolators behave like 2 incomers and what are their	Refer to Datasheet JW13898-E-007-1 MV Switchgear.

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	amperages? What protection is required on them? 5. What is the amperage of the 4 feeders and what protection is required on them? 6. It is also clear in the tender document the only specifications provided for switchgear is the 6.6kV extension panel to the existing ACTOM panels. The new 11kV Board has no specifications.	Refer to Datasheet JW13898-E-007-1 MV, the outgoing breakers are to be rated 630A with Overload and short-circuit protection Refer to Datasheet JW13898-E-007-1 MV, The MV boards will be rated at 11kV. The voltage on site is currently 6.6kV with intention to move to 11kV in the near future hence the MV infrastructure must be rated for 11kV or dual wound in case of transformers
C8	It appears that the original Volume 1 document has been removed from both the eTenders portal and the Joburg Water website and replaced with a new version. • Original Document: JW13897-TENDER-DOCUMENT-NORTHERN-WASTEWATER-TREATMENT-003 • Updated Document: TENDER-DOCUMENT-NORTHERN-WASTEWATER-TREATMENT-007 Please confirm what changes have been made between these two versions, and advise which document should be regarded as the official tender submission version	It was cleared at the briefing that you need to download the new version to be uploaded document and discard what you had. There were pages missing in the original document.
C9	BOQ items 1.7.1 – 1.7.3 require a provisional amount to be calculated based on items 1.6.1 – 1.6.3 respectively. However, these referenced items are for temporary works and are not relevant to cost variations relating to foreign exchange. Please confirm the correct items that should be referenced so that this can be rectified.	**PS6.6 Foreign Exchange Risks** The provision of forward cover against foreign exchange fluctuations on the imported content of all equipment required under the contract might be required. In his Tender, the Tenderer must state the value of the imported content of each item and the applicable currencies and the exchange rates on which his tender was based. The successful Tenderer might be required to take out forward cover on all foreign exchange transactions required in his tender for this contract, the rate applied shall be that ruling at the date of commencement of the Contract when that is stated in the Letter of Acceptance. Amounts tendered shall be adjusted for foreign exchange variations up to the date for commencement of the Contract; any

		fluctuations after this date shall be for the Contractor's account. Should have been 1.7.1 to 1.7.3 and not 1.6.1 to 1.6.3 Typing error • The provisional amount must be calculated by the Contractor and inserted for line item 1.7.1. • Line item 1.7.2 is calculated at 10% of Line item 1.7.1. • Line item 1.7.4 is calculated at 5% of Line item 1.7.2.
C10	PS 9.13 Section 13 (Odour Control) does not specify average/peak inlet H_2S concentrations which is required to size an odour control system. Without this information we cannot size the system. We believe this is simply an omission. Can we ask for confirmation of the H_2S inlet concentration?	Referring to P&ID drawing number JW 13897-ME-038 / 30300141-12-038 – The H_2S concentration is specified as 50 – 300 ppm (under Line No 1). 1) The odour control system should be designed and priced on H2S concentration of -: a) Minimum – 50 ppm b) Average – 100 ppm c) Peak – 300 ppm 2) Tenders to allow in their pricing for onsite monitoring of H_2S levels over a two-week period **and should be included under item 13.1.1 of the BOQ.** 3) Tenderers to add in an additional item under Item 13.2.7 of the BOQ as follows: **Item No, 13.2.8 – Payment Reference, PS 13.4 – Description, Equipment supplied under item 13.1.9 – Unit No, – Quantity 1**

-End-