



City of Johannesburg

Johannesburg Water SOC Ltd

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SUPPLY CHAIN MANAGEMENT UNIT

RE: CLARIFICATION AND RESPONSE CIRCULATION NO.1

NOTICE TO TENDERERS

<u>CLARIFICATION</u>	
<u>CONTRACT NUMBER:</u>	JW 14060RR
<u>CONTRACT TITLE:</u>	Northern Wastewater Treatment Works: Dewatering Building Belt Press Replacement and Associated Ancillaries
<u>DEPARTMENT</u>	JW- SCMU
<u>Email</u>	thapelo.teane@jwater.co.za and gcina.ndela@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	1. We would like to request an extension of time until the end of February 2025 for the following reasons: • The festive season is approaching, during which many suppliers and equipment manufacturers will be closed. This affects our ability to finalize costings, as we rely heavily on suppliers. Given the current high volatility in equipment pricing, it is crucial For us to ensure accurate and effective pricing. Therefore, we kindly request an extension of four weeks from January 28, 2025, to accommodate this.	Request is noted and sent to BSC for consideration.
	2. Please advise whether the Employer will consider including a Provisional Sum for the spares required for the four existing belt presses under BoQ item number 3.2.5.	The BOQ will not be amended at this stage. The disadvantage of provisional some to the Employer is, it might not be enough because the appointed contractor or supplier can quote any price that might prejudice the Employer. The Employer will not have choice but to accept because work need to be done.
	3. Could SEIFSA escalation be utilized instead of the proposed SAFCEC for contract price adjustment. This would be more suitable given the significant mechanical and electrical scope compared to the civil scope.	The Employer has not specified the use of escalation indices by any organisation in the Contract Data. Instead, the Employer has provisionally, provided an escalation percentage of 7.5% to be applied to the offered Contract price, as indicated in the BoQ summary. The Employer will therefore indicate to the Contractor, which indices to use after the Contract appointment.
	4. Several discrepancies have been identified between the Project Specification, Particular Specification, and Pricing Data (see	The document with the highest priority is mentioned first (i.e. at the top of the list) with the documents with lesser priority listed below it in a

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	<p>items below). Volume 2A, Part 3: Scope of Works-Clause PS 1.2 defines the priority sequence. Please confirm whether this sequence is in ascending or descending order, noting that for Tender No. JW14060R (issued in 2022), Clarification and response circulation no 1 issued by the employer defined the priority sequence as ascending.</p> <p>a. BoQ Item 3.2.3.1 specifies a 14-roller type belt press, whereas the Project Specification PSX 2.2.4 states: "The dewatering section shall comprise a set of not less than 10 dewatering pressure rollers of adequate size." Please confirm which specification takes precedence.</p> <p>b. PSX 4 specifies a maximum polymer consumption range of 3 to 5 kg/ton DS, whereas the Particular Specification M15.6.1 states a maximum polymer consumption must not exceed 4.5 kg/ton DS. Please clarify which specification should be followed.</p> <p>c. PSX 2.2.4 calls for a filtrate solids content of 200 mg/L, while the Particular Specification M15.6.1 specifies filtrate suspended solids content not to exceed 300 mg/L, and Wash water effluent quality with suspended solids content not exceeding 1000 mg/L. Please confirm which requirement should be adhered to.</p> <p>d. PSX 2.2.5 specifies the following for rollers:</p> <ul style="list-style-type: none"> • Pressure rollers: Mild steel Ventosit coated. • Perforated pressure rollers: Hot dip galvanized. • Drive rollers: Mild steel rubber coated. 	<p>descending order with the document with the lowest priority listed last (at the bottom of the list).</p> <p>The Specification in this instance incorrectly states ".... not less than 10 dewatering pressure rollers...." which will be corrected to ".....minimum 14 dewatering pressure rollers....." in the 1st Addendum to be issued shortly.</p> <p>In this instance the Priority of Documents should be followed in which case the Project Specification (PSX 4) have a higher priority as the Johannesburg Water (SOC) LTD Generic Particular Specification (M15). The PSX 4 specification should therefore be followed.</p> <p>See response above. The PSX 2.2.4 specification should be followed.</p> <p>See response above. The PSX 2.2.5 specification should be followed.</p> <p>Please also note that a newer version of the M15 JW Specification will be issued with the 1st Addendum to be issued shortly.</p>
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	<p>However, Particular Specification M15.6 states:</p> <ul style="list-style-type: none"> Pressure rollers must be manufactured using a stainless-steel shell for optimal lifespan. Rubber-coated mild steel pressure rollers are not acceptable. <p>Please confirm which specification takes precedence.</p> <p>5. Three-Month Trial Operation Period:</p> <p>a. Please confirm who will be responsible for supplying chemicals during this period.</p> <p>b. Should we allow for a full-time operational team for the Trial Operation Period (TOP), or is it sufficient to allocate only one supervisory staff member?</p> <p>6. Will a tender be accepted if only one Joint Venture (JV) partner attends the site briefing?</p> <p>7. Please confirm whether BoQ item no 3.2.3.5 Centralised lubrication system is required to be manual or automated.</p>	<p>The Contractor will be responsible for supplying chemicals during this period.</p> <p>The Contractor will be responsible for the full operation of the Plant during the Trial Operation Period and will also be responsible for training the Employer's operational staff in the final detail functioning of the equipment.</p> <p>Yes</p> <p>The Centralised lubrication system shall be automated.</p>
C2	<p>Please clarify the following two questions.</p> <p>The following document order of precedence as per the tender information refers;</p> <p>With 1 the highest level and 8 the lowest level.</p> <ol style="list-style-type: none"> Form of offer Contract specific data General Conditions of contract Drawings Scope of works 	

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<p>6) Generic Particular Spec</p> <p>7) Pricing Data</p> <p>8) Conditions of tender, Tender Data, Schedules</p> <p>Question 1) Does the client require a belt press with 14 press rollers?</p> <p>Currently the requirement for 14 rollers is only stated in the BOQ/pricing data which is 7th on the hierarchy of precedence while the scope of works which supersedes the BOQ calls for at least 10 press rollers. With the latter being the overriding spec, a press with 10 press rollers would be offered unless the client clarifies otherwise.</p> <p>Question 2) Is a belt press with coated MS rollers acceptable? This seems to be the case as the scope of works allows MS Coated rollers which supersedes the Particular spec which calls for SS rollers</p> <p>Extracts from tender documents:</p> <p>shall be in accordance with the following sequence.</p> <ul style="list-style-type: none"> • Form of Offer and Acceptance, • Contract Specific Data within the Contract Data, • General Conditions of Contract for Construction Works, Third Edition, 2015, • Drawings, • Scope of Work and Project Specification, • Johannesburg Water (SOC) LTD Generic Particular Specification, • Pricing Data, and • The Conditions of Tender, the Tender Data and Tender Schedules. <p>PSX2.2.4 Specific design, performance and operational parameters</p> <p>The equipment shall be designed for a minimum safe and satisfactory operation acceptable life expectancy of 15 years under ambient conditions prevailing on site.</p> <p>Each dewatering filter Belt Press shall be able to operate with a sludge mass feed rate range of 600 to 900 kg DS/hr. The filter Belt Press shall achieve a minimum final solids concentration of the sludge cake of $\pm 18\%$ by mass with a minimum of 95% capture rate and less than 200 mg/L of suspended solids in the filtrate.</p> <p>Flocculation mixing design shall ensure the effective mixing of the sludge and polyelectrolyte and ensure that there is sufficient time to achieve the designed flocculation before feeding the sludge onto the filter belt. The filter Belt Press unit shall have an effective width of up to 2.2 m.</p> <p>Sludge ploughs shall be strategically positioned on this section to assist with the removal of excess liquid, drainage of filtrate from the flocculated sludge and ensure that no blinding of the belts occurs due to sludge movement. The Sludge ploughs shall ensure a uniform distribution of sludge across the working width of the belt. Sludge ploughs shall be adjustable safely without the need to stop the machine.</p> <p>The pressure dewatering section shall comprise a set of not less than 10 no dewatering pressure rollers of adequate size to achieve the required degree of dewatering with the pressure being evenly distributed on the sludge to prevent it from being squeezed through or out of the sides of the filter cloth. Rollers shall be of rigid design to prevent uneven pressure and cake distribution due to deflection of the rollers. The minimum diameter of the pressure rollers shall be 215mm and with a thickness of 7mm. The belt press roller design and positioning shall be such that rewetting of the sludge is prevented through effective continuous release of filtrate from the belt press.</p>	<p>Please see response to CL No. C1, Question 4a.</p> <p>Please see response to CL No. C1, Question 4d.</p>
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Extract from addendum in previous tender addendum		
C6e	<p>The B&G item 3.2.3.1 calls for a 14-roller type belt press and the project specification PSX 2.2.4 states that "the dewatering section shall comprise of a set of not less than 10 no. dewatering pressure rollers of adequate size". Please confirm which one takes precedence between the two statements. =</p>	<p>¶ Refer to C3, Scope of Works, clause PS 1.2. "The Employer has defined the priority sequence in an ascending order. ¶ Therefore, as indicated in the Pricing Data ("B&G"), the Tenderer should provide pricing for a 14-roller type belt press." ¶</p>

-End-

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