PO Box 10335, Centurion, 0046
TCTA, Byls Bridge Office Park, Building 9,
Corner of Olievenhoutbosch & Jean Ave, Doringkloof, Centurion
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REF NO: 054/2024/PMID/MCWAP2/RFB NOTICE 8

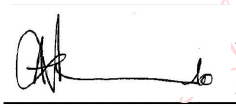
7 MARCH 2024

ABSTRACTION WORKS, PUMPING STATIONS, RESERVOIRS, PIPELINE, RELATED MULTIDISCIPLINE WORKS, ANCILLARY WORKS

Dear Bidder,

TCTA acknowledges receipt of the requests for clarification listed in the attached table. The response to each request for clarification is provided in the attached table.

Yours faithfully



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Azwianewi Nelwamondo
Date: 2024.03.07
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Azwi Nelwamondo

Senior Manager: Procurement

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NO.	REQUESTS FOR CLARIFICATION	TCTA RESPONSES
1	**Field Joints and Specials Coating** **We recommend considering the visco-elastic pure Polyisobutene coating system for your field joints and specials. In the nationally approved CITWIF Specification document, specifically in section 23 (page 214), the visco-elastic coating system is discussed. Notably, section 23.2.4 highlights its suitability for field joint applications, encompassing bends, specials, air valves, and other critical areas.**	The Tenderer is referred to Volume 3 Specification Section 37 "Painting and Corrosion Protection". The reference quoted below is merely a quote of what is in the Tender, and if the quote below contradicts or omits what is in the specification, the specification will prevail. From the specification Section 37 Cl 37.1.1(a), (b) and (c) the pipeline external coating requirements are as follows: - Option 1: All Pipes – Polymer Modified Bitumen (PMB). Joints & specials: Primer and PMB blankets/ membranes" - Option 2: All Pipes – Three Layer High Density Polyethylene (3LPE). Joints & Specials: Epoxy coating and tape wrap - Option 3: All Pipes – Rigid Polyurethane (RPU). Joints & specials: RPU The proposed Visco-Elastic Polyisobutylene coating system for field joints and specials is specified under Section 37.33 "Visco-Elastic Coating Systems". According to Section 37.1.1 of the Specification other coating systems may be offered as an alternative but will be subject to approval by the Engineer. Thus, bidders are requested to price on the required 3 options as specified in terms of the tender.

NO.	REQUESTS FOR CLARIFICATION	TCTA RESPONSES
	<u>Environmental Consideration</u> **Pure Polyisobutene material holds dual approvals: it is FDA-approved for food safety and NSF-approved for drinking water contact. Beyond its regulatory credentials, this remarkable substance boasts an impressive environmental profile. It is 100% green and eco-friendly, devoid of any solvents or toxins. Its application process generates minimal wastage, contributing to a smaller overall environmental footprint. Unlike traditional coatings, which may degrade over time, Polyisobutene remains resilient and age-resistant, ensuring long-lasting protection. Whether safeguarding food or water systems, Polyisobutene exemplifies both efficacy and environmental responsibility.** **<u>Social Consideration</u>** **Our comprehensive training program focuses on corrosion prevention and coating applications, specifically targeting field joints and specials including, bends, flanges, air valves etc. Through team training, we empower local unskilled labour, equipping them with essential skills in surface preparation, application, and inspection. Upon completion, participants receive certification, validating their expertise and opening further job opportunities within the Civil Engineering field. What sets our approach apart is its commitment to environmental sustainability: our methods are entirely green and non-toxic, ensuring safety for applicators throughout the coating application process.** **Please feel free to contact us should you have any questions or concerns on the above.**	Noted Noted