



CIVIL AND MECHANICAL ENGINEERING CONTRACTORS

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<b>Project Title</b>	BFI01/23/E2SC2 Re-Advert: RIVERTON WTW REFURBISHMENT OF OLD PLANT'S FILTERS, CHLORINE AND CHEMICAL DOSING SYSTEMS
<b>Work Package Title</b>	Replace and/or repair Old plant roof & ceiling structures
<b>Date of Work Package</b>	16 May 2025
<b>Project Manager</b>	T.N Sibanda
<b>Start Date</b>	To be communicated.
<b>Expected Works Duration</b>	Contractor to determine duration required in proposal.
<b>Reference</b>	C320-WPK012

## Purpose

The purpose of this work package is to secure the services of a capable and experienced service provider to undertake the replacement and/or in-situ repair of the roof and ceiling structures of the Old Plant.

Constructed in the early 1950s to serve the city of Kimberley, the Old Plant has played a vital role in meeting the city's daily operational needs. To date, there is no record of any significant or major repair work having been carried out on the structural components of the plant. As such, the services of a qualified contractor are required to carry out the removal and replacement of the aging ceiling and roofing structures to ensure continued structural integrity and operational safety.

This work package is only available to enterprises that meet the following criteria for being Local, being a Local Contractor or being a Local Services Provider or Local Supplier and is a Targeted Enterprise as set out below. Furthermore, as part of the development agenda of this project please note that preference will be given to local Contractors who partner with emerging SMMEs from the Riverton community for purposes of skills development and overall growth of these SMMEs and this should be clearly defined in the bidders submission.

### Local

means the Sol Plaatje Municipality (SPM) area.

### Local Emerging Contractor

means a legal business entity with its registered office and/or physical address in the Local area.

### Local Supplier

means a legal business entity with its registered office and/or physical address in the Local area who has actively conducted business in the Local area for a period of more than 12 months and who supplies materials and plant directly to the end-user.

### Local Services Provider

means a legal business entity with its registered office and physical address in the Local area who has actively conducted business in the Local area for a period of more than 12 months and who supplies services directly to the end-user.

### Pre-qualification Criteria for Targeted Enterprises

- i. an EME or QSE which is at least 51% owned by black people.

- ii. an EME or QSE which is at least 51% owned by black people who are youth.
- iii. an EME or QSE which is at least 51% owned by black people who are women.
- iv. an EME or QSE which is at least 51% owned by black people with disabilities.
- v. an EME or QSE which is 51% owned by black people living in rural or underdeveloped areas or townships.

## Background

Eigenbau Pty Ltd is a company with a long history of successful projects in the water and wastewater treatment space. As such, Eigenbau competitively tendered for the appointment for various mechanical and electrical works at the Riverton Old Works. Eigenbau were appointed as the sole Main Contractor in the refurbishment of old plant's filters, chlorine and chemical dosing systems at Riverton Water Treatment works.

As part of additional works requiring remedial work, we are required to repair and/or replace the Old plants roofing and ceiling structures in affected areas. This work has been identified as being suitable for subcontracting to a party who can manage working at heights, labour intensive work with a proven track record of having done similar work in other areas. Eigenbau herewith issue this invitation to tender to suitable registered and experienced service providers for this as a works package to qualifying local entities.

**NOTE:** *All responding parties are to remain aware that the main contract was secured under competitive bidding and accordingly the responding parties are encouraged to research what is acceptable rates for such work that allows all parties to reasonably benefit from the work. Eigenbau is committed to sharing workload, within the main contract parameters*

## Site Location

Riverton Water Treatment Works is located 30km north of Kimberly along the Vaal River.

The construction site is adjacent to the plants main peripheral fencing close to the main entrance gate. The site is controlled/managed/ secured by Sol Plaatje Municipality and therefore any service provider is required to co-operate with them or their selected service providers/contractors etc and abide by any rules of their site. Access is by road.

## Scope of work

The Scope of work entails:

- Remove all ceiling boards and cornices in the Old Plant at areas identified by the AER, i.e. Lime dosing room, voyeur, etc.
- Inspect the condition of the roof trusses and roof sheeting and identify remedial works required.
- Provide quote as per Bill of Quantities (BoQ) template provided to repair/replace the roof trusses, reseal/replace of roof sheeting, replacing ceiling boards and cornices and painting all ceilings and cornices with 3 x layers white acrylic paint.
- Note any identified additional work and quote as separate line items to BoQ.

**NOTE:** The attached BoQ is to be used as a guide for each line-item. It remains the contractor's responsibility to ensure that each detail as part of the scope is noted and priced for.

Safe working practices will have to be adhered to at all times and without exception. All staff to have appropriate access to PPE, drinking water and related equipment. Safety transgressions could result in work stoppages or worse.

## Deliverables

Below are the required deliverables.

- a. Completely refurbished Roofing and ceiling structures ensuring safety on the plant.
- b. Signed off report of findings and repair work conducted.
- c. Workmanship guarantee.

## Assumptions

The quantities measured are as per required on site. Any identified additional work requiring additional materials should be communicated and agreed to before commencement of work.

All cost related to this project should be in-cooperated into the submitted quotation for review. No variation orders will be tolerated.

## Constraints

1. Submission closing date will be on the 6<sup>th</sup> of June 2025.

## Dependencies

- a. Nonapplicable.

## Risks and Mitigation

All personnel will require a “working at heights” certificate.

## Milestones

Not applicable to this work package

## Progress reporting

The service provider shall report to the Project Manager on weekly progress. This progress will be emailed before close of business on Thursday, weekly.

## Attachments and Appendices

1. C320 – Old plant roof & Ceiling BoQ
2. Annexure A - Old Plant Ceiling Photo Report (May 2025)

## Approvals

All approvals will be done by the Main contractors Project Manager.

## Returnable Documents

Below is a list of the required returnable documents:

1. Proof of local residence
2. Compliance with the relevant codes used in the design i.e. SANS 10400, SANS 10160 and SANS 10163.
3. Proof of compliance with the NHBRC requirements
4. Member of Institute for Timber Construction SA (ITCSA)
5. Must have a qualified Professional registered with ITCSA
6. Provide a workmanship guarantee of at least 12 months
7. Signed Quotation and Offer of Services addressing the Scope of Work.
8. Copy of CIDB Certification as proof of contractor's registration (Only application to Contractors who will be working on site).
9. CIPC Registration for the company (Only applicable to companies)

10. Tax Status Compliance or PIN. (*This document is compulsory, and non-compliance will result in disqualification*)
11. Certified copy of VAT Registration certificate
12. Certified copy of letter of good standing issued by the Department of Labour in terms of Act 130 of 1993.
13. Certified copy of Incorporation (Only required for applicants who are companies)
14. Certified copy of Partnership Agreement (If applicant is in a partnership)
15. Certified copy of Identity document of all owners/partners/directors etc.
16. Certified copy of the B-BBEE Status level verification certificate.
17. Copies of all identification for shareholder/directors/members etc (should not be older than 3 months)
18. CV of all key staff to be used on the project.
19. CV of the person who prepares the contractors Health, Safety and Environment plan.
20. Proof of Registration on the central supplier database (CSD)
21. Contractors Project Quality Plan.
22. Confirmation letter from bank for banking details.
23. Proof of Public Liability Insurance
24. List of experience in providing this service with contactable reference that are not related to the tendering entity.

Notes:

- a. A site briefing session will be held on the 28<sup>th</sup> of May 2025 at 0900 after-which the attending Contractors will be given liberty to quote. The sub-contractor tender prices will not be read out.
- b. Other queries in this regard can be emailed to [tenders@eigenbau.co.za](mailto:tenders@eigenbau.co.za) no later than 48hours prior to the closing of the tender.

## Commercial Terms and Conditions

### Payment terms

1. Payment: Payments to sub-contractors will be based on monthly progress and invoices of work completed.
2. Payment period: Payments will be processed and finalised 30days from month-end of submission of invoice.
3. Retention period: n/a
4. Variations: When the sub-contractor or vendor is asked to perform additional work and/or changes are made to the scope, a variation order can be made.
5. No Advanced payment will be made for any work packages.
6. All other payment related queries, disputes and resolutions will be governed by the Conditions of Contract for Plant and Design (FIDIC yellow book).

## Submission of Documents

**All documents must be submitted electronically by the 17.00 on the closing date, by scanning the originals and mailing them to [tenders@eigenbau.co.za](mailto:tenders@eigenbau.co.za)**

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1.0	<b>PRELIMINARIES &amp; GENERAL</b>	sum	1		R0.00
2.0	<b>OHS REQUIREMENTS</b>				
2.1	Provision of Safety File	Sum	1		R0.00
2.2	Provision of Entry and Exit Medicals	No.	12		R0.00
2.3	Provision of PPE and Consumables	Sum	1		R0.00
3.0	<b>STRIPPING WORK</b>				
3.1	Ceiling Removal	m2	800		R0.00
3.2	Old roof removal (Trusses and iron sheets)	m2	800		R0.00
4.0	<b>ROOFING MATERIAL</b>				
	Corrogated Iron 6.6m 0.5mm F/h 10.5 Golf - Z275		200		R0.00
	SA Pine S5 38x114 6.0m mto		300		R0.00
	SA Pine S5 38x76 6.0m Mto		140		R0.00
	SA Pine S5 50x76 6.0m Mto		200		R0.00
	Brazing Strap 24mmx10m Trusswork		30		R0.00
	Wire Nails 100mm 25kg	No.	2		R0.00
	Wire Nails 75mm 25kg	No.	2		R0.00
	Srew Turbo 4mmx75mm (100p/p)		30		R0.00
	Washer Tek 19mm (100p/p)		30		R0.00
	Nails Clout 32mm 1kg		5		R0.00
	Construction Wood Screw 6x120mm P50		6		R0.00
	Corr Ridging Roll Top 3.6mx0.4mm		20		R0.00
	Overtile Flashing 225 Girth 0.4mm		112		R0.00
	Nails Steel Fluted 32mm 500g		6		R0.00
	Flash/H Liquid Plastic Grey 20L		2		R0.00
	Flash/h Membrane 200mmx10m		10		R0.00
	Paint Brush Utility 75mm		5		R0.00
	Powafix Carbolineum	lt	145		R0.00
	Paint - 3 Layers of White Acrylic paint (Plascon Super Acrylic -Polvin)	lt	264		R0.00
	Transport to site	Sum	1		R0.00
5.0	<b>CEILING MATERIAL</b>				
	Gyprex Fissured 1200x600x9mm Gyproc		1 250		R0.00
	Cross Tee 1200mm Gyrproc (Oud)		1 250		R0.00

	Main Tee 3600mm (Oud)		210		R0.00
	Wall Angle 3600mmm M6 Gyproc		400		R0.00
	Cable Aircraft Trnstl 2.4x3.2mm/m		300		R0.00
	Nails Steel Fluted 32mm 500g		10		R0.00
	Tek Screw Wafer 5x16mm (100) Ruwag		2		R0.00
	Drywall Screw 3.5x25 P1000		3		R0.00
	Transport of material to site	Sum	1		R0.00
6.0	PROVISION OF TEMPORARY WORK (SCAFFOLDING)	Sum	1		R0.00
7.0	PROVISION OF LIFTING CRANE	days	30		R0.00
8.0	LABOR				
8.1	Erection of Roof Trusses and Installation of Iron Sheets (? Weeks)				
8.1.1	Supervisor @R? per hour	No	1		R0.00
8.1.2	Capernters @R? per hour	No	2		R0.00
8.1.3	Semi - skilled laborer @R? per hour	No	4		R0.00
8.1.4	General Laborer @R? per hour	No	6		R0.00
8.2	Installation of Ceiling (? Weeks)				
8.2.1	Supervisor @R? per hour	No	1		R0.00
8.2.2	Capernters @R? per hour	No	2		R0.00
8.2.3	Semi - skilled laborer @R? per hour	No	4		R0.00
8.3.4	General Laborer @R? per hour	No	6		R0.00
8.3	Painting of Ceiling (? Weeks)				
8.3.1	Supervisor @R? per hour	No	1		R0.00
8.3.2	Painters @R? per hour	No	2		R0.00
8.3.3	Semi - skilled laborer @R? per hour	No	4		R0.00
8.3.4	General Laborer @R? per hour	No	6		R0.00
				Subtotal	R0.00
				Vat @15%	R0.00
				Total	R0.00

**E2SC2 Old Plant Ceiling Condition (07 May 2024)**



Ceiling above Filter No. 1







Ceiling above Filter No. 3



Ceiling above Filter No. 4





Ceiling above Filter No. 5



Ceiling above Filter No. 6



Ceiling above Filter No. 7





Ceiling above Filter No. 8



Ceiling above Filter No. 9





Ceiling above Filter No. 10





Ceiling above Filter No. 11



Ceiling above Filter No. 12











Passage between Filter's No. 1 to 6 and Filter's No. 7 to 12



Ceiling above Settled Water Pumps No. 1 to 3









Ceiling above Staircase and Supervisor Office











Ceiling in the Lime Dosing Room







Access to Goods Lift Motor Room









Ceiling in Settled Water Pump Room No. 2