

OUR REF: 5243-009-E
YOUR REF: SC/DP/RA-04/2024

29 July 2024

ENVIRO MANAGEMENT CONSULTANTS NAMIBIA

P.O. Box 11574
Windhoek, Namibia

Attention: Mr. Rian du Toit

Dear Sir,

CONTRACT NO.: SC/DP/RA-04/2024

CONTRACT ADMINISTRATION AND SITE SUPERVISION SERVICES OF PHASE II LOT ONE (1) OF THE UPGRADING TO LOW VOLUME SEAL STANDARDS OF DR3524: NAKABOLELWA – MBALASINTE - KASIKA IN THE ZAMBEZI REGION (33.4KM)

QUOTATION: ENVIRONMENTAL IMPACT ASSESSMENT PROCESS AND ESMP

The above-mentioned project refers.

We have received your quotation and methodology for the environmental impact assessment process and ESMP for the above-stated project.

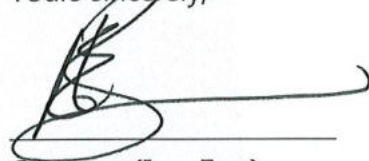
We herewith inform you that we accept your quotation including the methodology provided.

The accepted quotation amount is **N\$70,150.00 (Seventy Thousand One Hundred Fifty Namibian Dollars) (Including VAT).**

We request that the application and process to obtain the environmental clearance certificate be treated with urgency, as the project is currently at the procurement stage.

Please contact us, should you require any additional information.

Yours sincerely,



C Besser (Inc. Eng)

FOR TULIPAMWE CONSULTING ENGINEERS (PTY) LTD

Tel: +264-61-417 600, Cell: 081 162 3655



Annexure 1:

Enviro Management Consultants Quotation



COST ESTIMATE
PRESENTATION FOR AN
ENVIRONMENTAL IMPACT
ASSESSMENT PROCESS AND
ESMP

FOR:

ECC for THE UPGRADING
OF DR3524 PHASE 2:
NAKABOLELWA –
MBALASINTE – KASIKA TO
LOW VOLUME SEAL
STANDARDS

Revised

PREPARED FOR:

**TULIPAMWE
CONSULTING
ENGINEERS (PTY)
LTD**

JULY 2024



ENVIRO MANAGEMENT CONSULTANTS NAMIBIA
Trading under – DEBESIS TRUST T316/09
VAT NUMBER 5081 462-015

WHO WE ARE

Enviro Management Consultants

Our continuing vision is to contribute, in a meaningful way, to sustainable environmental development and planning.

We have an anthropocentric legal approach which is in line with the Namibian Environmental Management Act No.7

of 2007, that states that environmental management must place people and their needs at the forefront of its

concern, and serve their physical, psychological, developmental, cultural, and social interests equitably. Our

commitment is to promote sustainable development aimed at the betterment of people's lives and the protection of

the environment -by guiding, coordinating and integrating social, developmental and environmental concerns in a

rational, innovative manner with all relevant disciplines and stakeholders. We believe that making the best use of

available resources, whilst preserving the integrity of the environment, is the ultimate expression of Integrated

Environmental Management.

OUR SERVICES

The range of possible projects, which require environmental impact assessment, is promulgated by various legislation, but for the sake of defining the scope of our services, the following are included:

- Mining right applications;
- Mining rehabilitation and Financial Quantum calculation for rehabilitation;
- Mining Performance Assessment Reports;
- Environmental Impact Assessments and Management Programs;
- Holistic and integrated planning and development;
- Pollution prevention, waste minimization, impact management and remediation;
- Monitoring of environmental impacts and rehabilitation actions for various activities.
- GIS data processing and mapping;
- Cadastral and Topographical Surveys.

TERMS OF REFERENCE

TULIPAMWE CONSULTING ENGINEERS (PTY) LTD approached Enviro Management Consultants Namibia to provide a methodology for the Scoping Assessment and EMP of the proposed project. This methodology is in accordance with the Environmental Manual of the Roads Authority and the Environmental Management Act No. 7 of 2007 as well as the Environmental Regulations of 2012.

METHODOLOGY

The scope of work is determined by the relevant Act (No.7 OF 2007) but does not include the specialist assessments necessary to compile all relevant documents. It is therefore necessary to set the scope of works as to portray all services that will be rendered during the EIA process for the **application for the ECC for THE UPGRADING OF DR3524 PHASE 2: NAKABOLELWA – MBALASINTE – KASIKA TO LOW VOLUME SEAL STANDARDS**

They include the following:

1. Design Phase: Consultation with the design team will be conducted to determine the scope of work for this project. Existing information will be used obtained during the last report writing to compile the Scoping Report.
2. Public Participation Phase: The Roads Authority and Tulipamwe Consulting Engineers will provide the Public Participation information that was collected previously. This include the minutes of the meetings, attendance registers and some pictures. The project shall be advertised in local newspapers as required by law. A two weeks comment period shall be granted for the public to comment on the proposed project.

3. E.I.A. Phase: We will develop a concise and focused EIA for the site detailing any significant environmental issues. The findings in the reports will be based on:

- Literature review;
- Site visit by the environmental consultant;
- Specialists Investigation: None
- Details about the designs and construction methods.

The reports will include expected impacts during the design phase, construction phase and operational phase. The findings applicable to the design phase and construction phase will be discussed with the project engineers, with the aim to address them as the designs progress.

The site-specific EIA will:

- Describe the project using text descriptions, plans, maps, figures and tables. All of these will be available in electronic copy, and maps should be in an agreed format
- Define the specific study area for the EA
- Describe the current physical, biological and social environment conditions in the study area before project implementation
- Identify and assess potential beneficial and adverse environmental and social impacts (direct and indirect, short and long-term, temporary and permanent) associated with the project
- Define appropriate mitigation/enhancement measures to prevent, minimize, mitigate, or compensate for adverse impacts including responsibilities and associated costs
- Address potential cumulative effects taking into account other initiatives planned in the study area.

The EIA report will be developed per site, and will be focused on findings, recommended actions and conclusions. Summaries of data collection will be included in the reports, but full details of the data collection will be included as appendices.

The proposed outline for the EA reports is as follows:

- Executive Summary
- Description of the Proposed Project
- Baseline Data
- Significant Environmental Impacts
- Environmental Management and Training
- Appendices.

4. E.S.M.P. Phase:

We will develop a very concise and focused Environmental and Social Management Plan for the whole site detailing mitigation measures for all identified significant environmental issues. The target audience for the report will be project designers, implementing agencies, and Contractors. The report will be submitted the MET as requested in the ToR. The EMPs for this activity will be short, action-oriented documents that focus on mitigating social and environmental impacts.

The ESMP is a set of feasible and cost-effective mitigation, monitoring and institutional measures to avoid adverse environmental and social impacts, reduce them to acceptable levels or to compensate for them. The ESMP will cover all adverse environmental impacts, including any that may result from involuntary resettlement as appropriate. The ESMP will provide the technical details for each mitigation, monitoring and institutional measure, including the impact(s) to which it relates and the conditions when it is required, together with designs, equipment descriptions and operating procedures. The ESMP will specify for each mitigation measure timing, cost, locations, and institution responsible.

The EMP format will be flexible to ensure the integration of project-specific mitigating, enhancing and monitoring requirements. In addition, the EMP format will permit adjustments and revisions to reflect new developments and findings during project implementation and operations.

The proposed outline / content for the EMP reports is:

- General project information
- Executive summary
- Objectives of the EMP
- Background
- Positive and negative impacts expected
- Monitoring measures and programme
- Responsibilities for monitoring
- Implementation costs
- Reporting schedule and responsibilities

The EMP will be developed into a format suitable for inclusion into the bidding documents for the project.

Environmental Audits should be conducted at least once every 3 months to ensure proper implementation of the EMP. A cost estimation for such a site visit has been included in this proposal. The total cost will be determined by the total length of the contract.

ENVIRONMENTAL COST ESTIMATE

NR.	ITEMS	AMOUNT
1	PROFESSIONAL FEES	
1.1	PROJECT MANAGEMENT	6400
1.2	PUBLIC PARTICIPATION PROCESS	6000
1.3	MAPPING	2500
1.4	INVESTIGATION PHASE	6000
1.5	SPECIALIST INVESTIGATION	
1.6	EIA ASSESSMENT AND REPORT WRITING	9600
1.7	EMP COMPILATION AND REPORT WRITING	9200
	TOTAL PROFESSIONAL FEES	39700
	VAT	5955
	SUB TOTAL	45655
2	DISBURSEMENTS	
2.1	TRAVELLING	0
2.2	ACCOMMODATION	0
2.3	GENERAL OFFICE COSTS	1200
2.4	PRINTING AND BINDING	1500
2.5	VENUE HIRE AND PRESS NOTICES	18000
2.6	MISCELLANEOUS	600
	TOTAL DISBURSEMENTS	21300
	VAT	3195
	SUB TOTAL	24495
	TOTAL	70150

ENVIRONMENTAL AUDIT COST ESTIMATE

NR.	ITEMS	AMOUNT
1	PROFESSIONAL FEES	
1.1	SITE VISIT	18000
1.2	COMMUNICATION WITH STAKEHOLDERS	800
1.3	REPORT WRITING	3000
	TOTAL PROFESSIONAL FEES	21800
	VAT	3270
	SUB TOTAL	25070
2	DISBURSEMENTS	
2.1	TRAVELLING	9000
2.2	ACCOMMODATION	3500
	TOTAL DISBURSEMENTS	12500
	VAT	1875
	SUB TOTAL	14375
	TOTAL	39445

This estimate is for one site visit only and is valid for the duration of the project. The Total Environmental Audit Cost will be determined by the total length of the construction period. The site needs to be visited once every three months.

Travelling cost can be reduced if the environmental consultant is accommodated with the consulting team.

PROJECTED TIMELINE

PHASES OF THE PROJECT	DAYS
1. DESIGN PHASE	3 DAYS
2. PUBLIC PARTICIPATION PHASE	30 DAYS
3. INVESTIGATION PHASE FOR EIA	14 DAYS
4. EIA ASSESSMENT AND REPORT WRITING	8 DAYS
5. EMP COMPILATION	4 DAYS

EVEN THOUGH THESE ARE PROJECTED DAYS FOR EACH PHASE, THE TOTAL TIME PREDICTED FOR THE COMPLETION OF THE EA ASSESSMENT WILL BE 90-120 DAYS.

GENERAL NOTES

- Travel costs are estimated and will be invoiced per actual kilometers traveled on the final invoice.
- The Client will be notified both verbally and in writing when the phases have been finalized and when the various reports have been completed.
- Payment by the Client must be received within thirty (30) days after receipt of invoice.
- The cost estimate and/or quotation are valid for a period of thirty days.