



Registration No. 2022/5762

Herewith certifies that

Deon Esterhuizen

is registered as an

Environmental Assessment Practitioner

***Registered in accordance with the prescribed criteria of Regulation 15. (1)
of the Section 24H Registration Authority Regulations
(Regulation No. 849, Gazette No. 40154 of 22 July 2016, of the
National Environmental Management Act (NEMA), Act No. 107 of 1998, as
amended).***

Effective: 01 March 2023

Expires: 29 February 2024

Chairperson

Registrar





environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

DETAILS OF THE ENVIRONMENTAL ASSESSMENT PRACTITIONER, DECLARATION OF INTEREST AND UNDERTAKING UNDER OATH

	(For official use only)
File Reference Number:	
NEAS Reference Number:	DEA/EIA/
Date Received:	

Application for authorisation in terms of the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment (EIA) Regulations, 2014, as amended (the Regulations)

PROJECT TITLE

Proposed Rerouting of the High Lift Rising Main (HLRM) due to the proximity of existing Eskom Powerlines, within the Thabazimbi Local Municipality located in the Waterberg District Municipality, Limpopo Province.

Kindly note the following:

1. This form must always be used for applications that must be subjected to Basic Assessment or Scoping & Environmental Impact Reporting where this Department is the Competent Authority.
2. This form is current as of 01 September 2018. It is the responsibility of the Applicant / Environmental Assessment Practitioner (EAP) to ascertain whether subsequent versions of the form have been published or produced by the Competent Authority. The latest available Departmental templates are available at <https://www.environment.gov.za/documents/forms>.
3. A copy of this form containing original signatures must be appended to all Draft and Final Reports submitted to the department for consideration.
4. All documentation delivered to the physical address contained in this form must be delivered during the official Departmental Officer Hours which is visible on the Departmental gate.
5. All EIA related documents (includes application forms, reports or any EIA related submissions) that are faxed; emailed; delivered to Security or placed in the Departmental Tender Box will not be accepted, only hardcopy submissions are accepted.

Departmental Details

Postal address:

Department of Environmental Affairs
Attention: Chief Director: Integrated Environmental Authorisations
Private Bag X447
Pretoria
0001

Physical address:

Department of Environmental Affairs
Attention: Chief Director: Integrated Environmental Authorisations
Environment House
473 Steve Biko Road
Arcadia

Queries must be directed to the Directorate: Coordination, Strategic Planning and Support at:
Email: EIAAdmin@environment.gov.za

1. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP Company Name:	GIBB Environmental Pty Ltd, part of the GBN Joint Venture		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)		Percentage Procurement recognition
EAP name:	Deon Esterhuizen		
EAP Qualifications:	MSc Environmental Ecology		
Professional affiliation/registration:	2022/5762		
Physical address:	GIBB Head Office, 3rd Floor, Building 4, 19 9th Street, Houghton Estate, Rosebank, 2196		
Postal address:	P O Box 2700, Rivonia		
Postal code:	2196	Cell:	0824451781
Telephone:	N/A	Fax:	N/A
E-mail:	deon@mdte.co.za		

The appointed EAP must meet the requirements of Regulation 13 of GN R982 of 04 December 2014, as amended.

2. DECLARATION BY THE EAP

I, Deon Esterhuizen, declare that –

- I act as the independent environmental assessment practitioner in this application;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- I will take into account, to the extent possible, the matters listed in Regulation 13 of the Regulations when preparing the application and any report relating to the application;
- I undertake to disclose to the applicant and the Competent Authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the Competent Authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the Competent Authority, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the Competent Authority;
- I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in Section 49B of the Act.

Disclosure of Vested Interest (delete whichever is not applicable)

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;
- ~~I have a vested interest in the proposed activity proceeding, such vested interest being:~~



Signature of the Environmental Assessment Practitioner

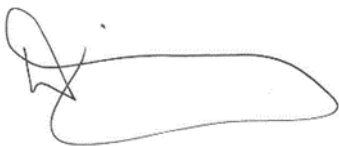
GIBB Environmental Pty Ltd, part of the GBN Joint Venture

Name of Company:

Date

3. UNDERTAKING UNDER OATH/ AFFIRMATION

I, **Deon Esterhuizen**, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.



Signature of the Environmental Assessment Practitioner

GIBB Environmental Pty Ltd, part of the GBN Joint Venture

Name of Company

Date

Signature of the Commissioner of Oaths

Date

Details of EAP, Declaration and Undertaking Under Oath

NAME	: Deon ESTERHUIZEN
PROFESSION	: Environmental Consultant
DATE OF BIRTH	: 1968/06/06
PARENT FIRM	: MDT Environmental (Pty) Ltd
POSITION IN FIRM	: Director
YEARS WITH FIRM	: 5 years with the firm
NATIONALITY	: South African
BI & MALE/FEMALE STATUS	: White Male

TERTIARY EDUCATION (AND YEAR OBTAINED):

<i>Institution:</i>	<i>Qualification:</i>	<i>Year Obtained:</i>
University of Pretoria	M.Sc (Environmental Ecology)	2003
University of Johannesburg	B.Sc. Honours (Botany)	1991
University of Johannesburg	B.Sc. (Botany and Zoology)	1990

PROFESSIONAL QUALIFICATIONS (AND YEAR OBTAINED)

- Professional Natural Scientist (RN: 400154/09)

LANGUAGES:

	Speaking:	Reading:	Writing:
Afrikaans	Fluent	Fluent	Fluent
English	Fluent	Fluent	Fluent

COUNTRIES OF WORK EXPERIENCE:

South Africa	Libya	Zambia
Botswana	Lesotho	Namibia

PROPOSED POSITION ON TEAM: ENVIRONMENTAL LEAD

KEY QUALIFICATIONS:

Deon Esterhuizen has a MSc in Environmental Management with 28 years of experience in water related projects, which include water resource management, water quality management, water use registration and licencing of water users, including project management of multi-disciplinary studies. He also has extensive experience in a wide-range of environmentally related projects, processes and applications for private, commercial and industrial clients, in addition to local, provincial and national government departments.

His key experience includes:

Water Resources

Key experience gained through his involvement in a number of water resources related projects, including ensuring the protection, development, conservation, management, use and control of the water resources in the Gauteng Region's area of responsibility in a sustainable manner as well as co-ordinate the management of the quality of the water resources of a specific catchment on an ongoing basis to achieve water resource objectives during his employment at the Department of Water Affairs and Forestry. Specific focus areas include:

- Catchment Management Strategies & Plans
- Water Quality Management Plans
- Registration and Licencing of water users
- Assessing water requirements for basic human needs and riverine ecology
- Determining stream-flow assimilative capacity for pollution loads
- Water quality guidelines
- Industrial wastewater treatment and disposal

Environmental

Key experience gained through environmental related projects as a consultant at BKS (Pty) Ltd and ILISO Consulting (Pty) Ltd in the fields listed below:

- Integrated Environmental Management (IEM) in general

- Environmental Impact Assessments (EIAs)
- Environmental Management Plans (EMPs)
- Environmental monitoring and auditing

Project Coordination & Management

Key experienced gained as the project leader and coordinator on a number of large, strategically important and multi-disciplinary projects for various clients, including international (Africa) projects.

External Reviewer & Auditor

Key experienced gained as external reviewer for the Department of Water Affairs and Forestry as well as other consulting firms.

Acting as an independent external auditor in terms of National Environmental Management Act, 1998 (Act 107 of 1998) (NEMA), Environmental Impact Assessment Regulations, 2014, as amended for various companies.

RELEVANT EXPERIENCE:

NAME OF ASSIGNMENT: OLIFANTS RIVER CATCHMENT ENVIRONMENTAL FLOW REQUIREMENTS
YEAR: From: 2002 To: 2003
CLIENT & LOCATION: Olifants River catchment, South Africa
POSITIONS HELD: **Water Specialist**
ACTIVITIES PERFORMED: Part of the team to determine the environmental flow requirements for the Olifants River catchment. This involved the management of a number of river specialists over a three year period to ensure that a scientifically defensible environmental flow was determined and recommended for implementation

NAME OF ASSIGNMENT: DRINKING WATER QUALITY MANAGEMENT GUIDE
YEAR: From: 2002 To: 2003
CLIENT & LOCATION: South Africa
POSITIONS HELD: **Author**
ACTIVITIES PERFORMED: Author of a management guide, which forms part of a series, which is intended to provide water supply agencies, water resource managers, workers in health related fields, as well as communities throughout South Africa with guidance on domestic water quality with regard to planning a new domestic water supply scheme, implementation of a domestic supply scheme, and the management of an existing domestic supply scheme.

NAME OF ASSIGNMENT: TRAINING OF DWS EMI INSPECTORATE
YEAR: From: 2018 To: 2020
CLIENT & LOCATION: South Africa
POSITIONS HELD: **Trainer**
ACTIVITIES PERFORMED: Prepare training material and present courses.

NAME OF ASSIGNMENT: KITWE WATER AND SANITATION PROJECT PHASE II IN ZAMBIA
YEAR: From: 2013 To: 2017
CLIENT & LOCATION: Zambia
POSITIONS HELD: **Environmental Expert**
ACTIVITIES PERFORMED: External specialist review of Environmental Impact Assessment.

NAME OF ASSIGNMENT: WASTE MANAGEMENT LICENCE APPLICATION AND WATER USE LICENCE APPLICATION FOR BAVIAANSPOORT WASTE WATER TREATMENT WORKS

YEAR: From: 2010 To: 2013
 CLIENT & LOCATION: South Africa
 POSITIONS HELD: **Team Leader**
 ACTIVITIES PERFORMED: Project team management, report review, client liaison, process management.

NAME OF ASSIGNMENT: EIA AND WASTE MANAGEMENT LICENCE APPLICATION FOR THE DISPOSAL OF THE GYPSUM AND ASH ON THE KUSILE POWER STATION CO-DISPOSAL FACILITY
 YEAR: From: 2012 To: 2015
 CLIENT & LOCATION: South Africa
 POSITIONS HELD: **Project Leader**
 ACTIVITIES PERFORMED: Waste Management Licence Application.

NAME OF ASSIGNMENT: EIA AND WATER USE LICENCE APPLICATION FOR THE MZIMVUBU WATER PROJECT FOR THE CONSTRUCTION OF THE NTABELANGA AND LALINI DAM AND ASSOCIATED INFRASTRUCTURE.
 YEAR: From: 2014 To: 2015
 CLIENT & LOCATION: South Africa
 POSITIONS HELD: **Water Use Licence Task Leader**
 ACTIVITIES PERFORMED: Review of Reports and team and budget management.

NAME OF ASSIGNMENT: DESIGN AND CONSTRUCTION OF BOTSABELO COMPLEX - LESOTHO BLOOD TRANSFUSION SERVICES CENTRE, NATIONAL REFERENCE LABORATORY, STUDENT ACCOMMODATION AT THE NATIONAL HEALTH TRAINING COLLEGE
 YEAR: From: 2010 To: 2010
 CLIENT & LOCATION: Lesotho
 POSITIONS HELD: **Environmental Expert**
 ACTIVITIES PERFORMED: Development of an Environmental Protection Plan for implementation during construction. The development of method statements for key environmental construction activities.

NAME OF ASSIGNMENT: NELSPRUIT RING ROAD REPORT
 YEAR: From: 2005 To: 2005
 CLIENT & LOCATION: Nelspruit, South Africa
 POSITIONS HELD: **Environmental specialist**
 ACTIVITIES PERFORMED: Preparation of the surface water specialist report for the proposed Nelspruit Ring Road

NAME OF ASSIGNMENT: NATIONAL GROUNDWATER STRATEGY
 YEAR: From: 2007 To: 2010
 CLIENT & LOCATION: Department of Water Affairs - South Africa
 POSITIONS HELD: **Project Manager**
 ACTIVITIES PERFORMED: Project Manager of a multi-disciplinary team to develop a National Groundwater Strategy for the Department of Water Affairs

NAME OF ASSIGNMENT: WULA FOR TSHWANE METRO ZEEKOEKAT WWTW
 YEAR: From: 2007 To: 2010
 CLIENT & LOCATION: South African Government – Tshwane
 POSITIONS HELD: **Task Leader**
 ACTIVITIES PERFORMED: Task Leader for preparing the Water Use Licence application for the Tshwane Metro Zeekoegat Waste Water Treatment Works behalf of the South African Government.

NAME OF ASSIGNMENT: WATER QUALITY MANAGEMENT
YEAR: From: 2006 To: 2007
CLIENT & LOCATION: Department of Water Affairs: Mpumalanga Region – Mpumalanga, South Africa
POSITIONS HELD: **Task Leader**
ACTIVITIES PERFORMED: Task Leader of a multi-disciplinary team to assist the Mpumalanga Regional Office: Water Quality Management with line function work

NAME OF ASSIGNMENT: GAUTENG REGION OFFICE TECHNICAL AND ADMINISTRATIVE SUPPORT PROJECT
YEAR: From: 2006 To: 2009
CLIENT & LOCATION: DWAF – Gauteng, South Africa
POSITIONS HELD: **Project Manager**
ACTIVITIES PERFORMED: Project Manager of a multi-disciplinary team to assist the DWAF Gauteng Regional Office with specific technical tasks

NAME OF ASSIGNMENT: SURFACE WATER SPECIALIST REPORT
YEAR: From: 2006 To: 2006
CLIENT & LOCATION: Gautrain Rapid Rail Link
POSITIONS HELD: **Environmental specialist**
ACTIVITIES PERFORMED: Preparing the surface water specialist report in support of the variant alignment environmental impact assessment study

NAME OF ASSIGNMENT: ENVIRONMENTAL BASELINE SURVEY
YEAR: From: 2004 To: 2006
CLIENT & LOCATION: Libya
POSITIONS HELD: **Environmental specialist**
ACTIVITIES PERFORMED: Preparation of the Environmental Baseline Survey (EBS) for the Feasibility Study for the Coastal Road (Ras Ejder to Musaad) in Libya

NAME OF ASSIGNMENT: INITIAL WORKS EMP AND DRAFT FINAL EMP
YEAR: From: 2005 To: 2006
CLIENT & LOCATION: Gautrain Rapid Rail Link
POSITIONS HELD: **Environmental specialist**
ACTIVITIES PERFORMED: Part of the ISAA Joint Venture compiling the Initial Works EMP and Draft Final EMP as required by the Record of Decision issued by the Gauteng Department of Agriculture, Conservation and Environment

NAME OF ASSIGNMENT: THUNE DAM
YEAR: From: 2007 To: 2012
CLIENT & LOCATION: Botswana
POSITIONS HELD: **Environmental specialist**
ACTIVITIES PERFORMED: Environmental specialist for a 42 month construction period of the Thune Dam in Botswana

NAME OF ASSIGNMENT: GROOT LETABA STORAGE DAM
YEAR: From: 2007 To: 2008
CLIENT & LOCATION: Department of Water Affairs – South Africa
POSITIONS HELD: **Environmental Specialist**

ACTIVITIES PERFORMED: Preparation of an EMP for the Groot Letaba proposed storage dam

NAME OF ASSIGNMENT: MODDER AND RIET RIVERS CATCHMENT
YEAR: From: 2002 To: 2006
CLIENT & LOCATION: South Africa
POSITIONS HELD: **Project coordinator**
ACTIVITIES PERFORMED: Project coordinator for the development of a Catchment Management Strategy and determination of an intermediate Ecological Reserve for the Modder and Riet Rivers Catchment

NAME OF ASSIGNMENT: WATERVAL RIVER CATCHMENT
YEAR: From: 2003 To: 2004
CLIENT & LOCATION: South Africa
POSITIONS HELD: **Project coordinator**
ACTIVITIES PERFORMED: Project coordinator for the development of a Water Quality Management Plan for the Waterval River catchment

NAME OF ASSIGNMENT: OLIFANTS RIVER WATER RESOURCES DEVELOPMENT PROJECT PHASE 2
YEAR: From: 2010 To: Current
CLIENT & LOCATION: South Africa
POSITIONS HELD: **Environmental & Social Team Leader**
ACTIVITIES PERFORMED: Responsible and accountable for the management of all environmental and social related tasks performed by two Environmental Monitors, two Social Monitors, and a Land Acquisition Team. This team was responsible to ensure that the Contractor executes the project within the guidelines of legislation, the environmental authorisation, the environmental management plan, and project specifications.

NAME OF ASSIGNMENT: VARIOUS EXTERNAL AUDITS
YEAR: From: 2016 To: Current
CLIENT & LOCATION: Omnia Group (Pty) Ltd, Glencore, BME (Pty) Ltd & Sasol Mining (Pty) Ltd
POSITIONS HELD: **External Auditor**
ACTIVITIES PERFORMED: Various external audits for Omnia Group (Pty) Ltd, Glencore, BME (Pty) Ltd, Sasol (Pty) Ltd & Sasol Mining (Pty) Ltd. The critical review of the industry's operations versus its legislated compliance requirements.

NAME OF ASSIGNMENT: LOWER SHASHE DAM ENVIRONMENTAL IMPACT ASSESSMENT
YEAR: From: 2005 To: 2005
CLIENT & LOCATION: South African Government
POSITIONS HELD: **Environmental Specialist**
ACTIVITIES PERFORMED: Lower Shashe Dam Environmental Impact Assessment report and process review on behalf of the South African Government

NAME OF ASSIGNMENT: DEVELOPMENT OF A WATER CONSERVATION AND DEMAND MANAGEMENT STRATEGY
YEAR: From: 2010 To: 2011
CLIENT & LOCATION: City of Johannesburg
POSITIONS HELD: **Team Leader**
ACTIVITIES PERFORMED: Project team management, report review, client liaison, process management.

NAME OF ASSIGNMENT: BRAAMHOEK PUMP STORAGE SCHEME
YEAR: From: 2007 To: 2007
CLIENT & LOCATION: **Knight Piesold**
POSITIONS HELD: External reviewer
ACTIVITIES PERFORMED: Requested by Knight Piesold to act as an external reviewer of their Environmental Impact Assessment and Water Use Licence Application for the Braamhoek Pump Storage Scheme

SUMMARY OF OTHER EXPERIENCE:

From: July 2017 **To:** Present
Employer: MDT Environmental
Position held: Director

From: August 2006 **To:** Present
Employer: ILISO Consulting
Position held: Technical Director - Environmental Discipline Group

Declaration:

I confirm that the above information contained in the CV is an accurate description of my experience and qualifications and that, at the time of signature, I am available and willing to serve in the position indicated for me in the Proposal for Consulting Services for the Mokolo Crocodile Water Augmentation Project Phase 2, for the durations and at the locations indicated therein.

A handwritten signature in black ink, consisting of a series of loops and a long horizontal stroke.

Signature of Staff Member

Date: 10 March 2021

POSITION : **Senior Environmental Scientist**
 NAME OF FIRM : GIBB Environmental (Pty) Ltd
 NAME OF STAFF : Umeshree Naicker
 DATE OF BIRTH : 03.09.1984
 NATIONALITY : South African
 YEARS OF EXPERIENCE : 12

SUMMARY OF QUALIFICATIONS:

Umeshree Naicker is a thorough Environmental Scientist specialising in wide-ranging environmental areas including renewable energy and road development sectors in Africa. Umeshree has accumulated diverse project experience in the following areas:

- Environmental Consulting and Social Impacts Assessments
- Project Management and Administration for:
 - o Environmental processes in South Africa and Africa
 - o Public Private Partnership;
- Transaction Technical Advisor for environmental processes in South Africa and Africa;
- Licensing – Water Use Application and Waste Management Licencing;
- Strategic Report writing: Environmental Screening Reports, Basic Assessments, Scoping Reports, Environmental Impact Assessments, Environmental and Social Impact Assessments, and Stakeholder Engagement Reports;
- Managing and conducting the environmental processes for International Finance Corporation (IFC) requirements;
- Client Liaison and representing the clients at the Steering Committee Meetings; and
- Environmental Control Officer (ECO) duties.

EDUCATION:

<i>Institution:</i>	<i>Qualification:</i>	<i>Year Obtained:</i>
University of South Africa	Bachelor of Science (Environmental Monitoring and Modeling) (Hons)	2011
University of KwaZulu-Natal	Bachelor of Science (Biological Sciences)	2006

MEMBERSHIPS OF PROFESSIONAL ASSOCIATIONS:

- Registered as a Professional Natural Scientist with the South African Council for Natural Scientist Professionals (SACNASP); **Registration No. 120502**

OTHER TRAINING:

- Risk Assessment: Environmental and Social Impacts Assessments

COUNTRIES OF WORK EXPERIENCE:

South Africa	Mozambique	Botswana	Tanzania
Zimbabwe	Swaziland	Lesotho	

LANGUAGES:

	<i>Speaking:</i>	<i>Reading:</i>	<i>Writing:</i>
English	Excellent	Excellent	Excellent
Afrikaans	Good	Good	Good

EMPLOYMENT RECORD:

From:	May 2018	To:	Date
Employer:			GIBB Environmental (Pty) Ltd
Position held:			Graduate Environmental Scientist
From:	September 2014	To:	April 2018
Employer:			GIBB (Pty) Ltd
Position held:			Senior Environmental Scientist
From:	January 2012	To:	August 2014
Employer:			Savannah Environmental
Position held:			Environmental Consultant
From:	February 2008	To:	November 2011
Employer:			Buk'indalo Consultancy
Position held:			Jnr Environmental Consultant
From:	July 2007	To:	November 2007
Employer:			Global Education and Training
Position held:			Lecturer and Chief Invigilator
From:	January 2006	To:	July 2006
Employer:			Pravin Amar Development Planners
Position held:			Voluntary Worker (Jnr Environmental Consultant)

DETAILED TASKS ASSIGNED (tasks to be performed under this assignment):

- Environmental Screening and Pre-Feasibility Assessments
- Basic Assessments
- Environmental Impact Assessments
- Public Participation Processes
- Environmental Management Programmes
- Integrated Waste Management Plans
- NEMA Section 24G applications
- Waste Management Licences
- Water Use Licence Applications

WORK UNDERTAKEN THAT BEST ILLUSTRATES CAPABILITY TO HANDLE THE TASKS ASSIGNED:

NAME OF ASSIGNMENT/PROJECT:	MOKOLO AND CROCODILE RIVER (WEST) WATER AUGMENTATION PROJECT		
YEAR:	From: 2018	To: 2027	
PROJECT VALUE:	R4,626,861.01		
LOCATION:	Limpopo province, South Africa		
CLIENT:	Trans Caledon Tunnel Authority (TCTA)		
MAIN PROJECT FEATURES:	The project entailed comprehensive engineering services for the Mokolo Crocodile Water Augmentation Project (MCWAP), including the construction of two major bulk raw water transfer systems and associated infrastructure. The MCWAP supplies raw water to meet the demands of the new power station in Lephalale, mines and industry, and domestic users. The main components of the scheme are abstraction weirs, pump stations, pipelines and balancing storage. Responsible for leading and managing environmental team on the project with development of project specific environmental management plan, detailed environmental management pre-qualification documentation and specifications,		

POSITIONS HELD: tender evaluation and environmental monitoring during construction.
Senior Environmental Scientist
 ACTIVITIES PERFORMED:

- Environmental Baseline Report;
- Environmental Management Programme;
- Environmental Specifications Report;
- Technical Evaluation Reports;
- Specialist Terms of Reference;
- Environmental Management;
- Appointment and management of the specialists;
- Public Participation Process.

NAME OF ASSIGNMENT/PROJECT: **WATERKLOOF SOLAR IPP PROGRAM**
 YEAR: From: 2017 To: 2020
 PROJECT VALUE: R1,532,019.87
 LOCATION: Gauteng province, South Africa
 CLIENT: Development Bank of Southern Africa.
 MAIN PROJECT FEATURES: Construction of a solar energy facility, 2X11MW solar plant located near Rustenburg, North West Province. The 11 MW and 108 MW ground-mounted solar plants are intended to supplement the RBPLAT Employee Housing Estate, Waterkloof, near Rustenburg in the North West.

POSITIONS HELD: **Senior Environmental Scientist**
 ACTIVITIES PERFORMED:

- Conduct Baseline Assessment

NAME OF ASSIGNMENT/PROJECT: **ALEXANDRA INFORMAL SETTLEMENT UPGRADE**
 YEAR: From: 2018 To: 2019
 PROJECT VALUE: R32,813.20
 LOCATION: Gauteng province, South Africa
 CLIENT: Emendo Inc.
 MAIN PROJECT FEATURES: Environmental Screening for the proposed assessment, categorisation and development of the informal settlement upgrading plans for thirty-one informal settlements in Alexandra

POSITIONS HELD: **Project Manager**
 ACTIVITIES PERFORMED:

- Project management

NAME OF ASSIGNMENT/PROJECT: **REDEVELOPMENT OF SIX BORDER POSTS (BEIT BRIDGE, KOPFONTEIN, OSHOEK, LEBOMBO, FICKSBURG AND MASERU BRIDGE)**
 YEAR: From: 2016 To: 2019
 PROJECT VALUE: R2,189,800.00
 LOCATION: Lesotho
 CLIENT: Department of Home Affairs
 MAIN PROJECT FEATURES: Feasibility Study and Procurement Process
 POSITIONS HELD: **Project management of the technical team – Environmental, Civil, Geotechnical and Building Services)**
 ACTIVITIES PERFORMED:

- Project Management;
- Environmental Screening Report;
- Environmental Due Diligent;
- Environmental Tender input and evaluation;
- Attendance and contribution to Steering Committee Meetings.

NAME OF ASSIGNMENT/PROJECT: **PRE- FEASIBILITY STUDY FOR THE NGWEMPISI HYDRO POWER SCHEME**
 YEAR: From: 2017 To: 2018

PROJECT VALUE: R50,000.00
 LOCATION: Swaziland
 CLIENT: Ministry Of Natural Resources And Energy Of The Kingdom Of Swaziland
 MAIN PROJECT FEATURES: Environmental Screening Report
 POSITIONS HELD: **Environmental Impact Assessor**
 ACTIVITIES PERFORMED:

- Environmental screening for sensitive areas and Terms of Reference for the required environmental process

NAME OF ASSIGNMENT/PROJECT: **FEASIBILITY FOR THE MUSAMI AND KUNZVI DAMS**
 YEAR: From: 2017 To: 2018
 PROJECT VALUE: R1,500,000.00
 LOCATION: Zimbabwe
 CLIENT: Ministry of Environment, Water and Climate
 MAIN PROJECT FEATURES:

- Project management
- Environmental Impact Assessor

 POSITIONS HELD: **Project Manager**
 ACTIVITIES PERFORMED:

- Project management;
- Appointment and management of the local consultant;
- Review of environmental process in terms of Zimbabwe legislation and International Financial Corporation (IFC).

NAME OF ASSIGNMENT/PROJECT: **COMMUTER RAILWAY SYSTEM IN DAR ES SALAAM**
 YEAR: From: 2016 To: 2016
 PROJECT VALUE: R2,000,000.00
 LOCATION: Tanzania
 CLIENT: RAHCO Reli Assets Holding Company
 MAIN PROJECT FEATURES: Project Management
 Environmental Technical Advisor
 POSITIONS HELD: **Environmental Impact Assessor**
 ACTIVITIES PERFORMED:

- Project management of the environmental process;
- Appointment and management of the local Consultant;
- Review of environmental process in terms of Zimbabwe legislation and International Financial Corporation.

NAME OF ASSIGNMENT/PROJECT: **LESOTHO HIGHLANDS DEVELOPMENT AGENCY - REPAIRING OF THE MOHALE TUNNEL**
 YEAR: From: 2017 To: 2017
 PROJECT VALUE: R120,000.00
 LOCATION: Lesotho
 CLIENT: Lesotho Highlands Development Agency
 MAIN PROJECT FEATURES: Environmental Management
 POSITIONS HELD: **Environmental Impact Assessor**
 ACTIVITIES PERFORMED:

- Updating of the Environmental Management Programme;
- Drafting of the Environmental Specifications.

NAME OF ASSIGNMENT/PROJECT: **ESKOM POWER LINE – RANDJIES COLLEGE**
 YEAR: From: 2018 To: 2018
 PROJECT VALUE: R450,000.00
 LOCATION: Gauteng province, South Africa
 CLIENT: Eskom SOC
 MAIN PROJECT FEATURES: Environmental Management

POSITIONS HELD: Basic Assessment
 ACTIVITIES PERFORMED: **Environmental Impact Assessor**

- Environmental Management;
- Appointment and management of the specialists;
- Public Participation Process;
- Basic Assessment.

NAME OF ASSIGNMENT/PROJECT: **TRANSMISSION POWER LINE FROM MOZAMBIQUE ZIMBABWE AND SOUTH AFRICA**

YEAR: From: 2015 To: 2017

PROJECT VALUE: R3,000,000.00

LOCATION: Zimbabwe, Mozambique and South Africa

CLIENT: South African Power Pool (SAPP)

MAIN PROJECT FEATURES: Environmental Technical Advisor

POSITIONS HELD: **Project Management**

ACTIVITIES PERFORMED:

- Project Management;
- Environmental and Social Impact Assessment for Zimbabwe and Mozambique;
- Review of environmental process in South Africa.

NAME OF ASSIGNMENT/PROJECT: **ROUTE DETERMINATION FOR THE DEPARTMENT OF TRANSPORT**

YEAR: From: 2014 To: 2015

PROJECT VALUE: R310,000.00

LOCATION: Gauteng province, South Africa

CLIENT: Department of Transport

MAIN PROJECT FEATURES: Environmental Management
Basic Assessment

POSITIONS HELD: **Environmental Impact Assessor**

ACTIVITIES PERFORMED:

- Environmental Management;
- Appointment and management of the specialists;
- Public Participation Process;
- Basic Assessment.

NAME OF ASSIGNMENT/PROJECT: **DEVIATION OF 132 KV POWER LINE FROM KOEBERG POWER STATION TO ANKERLIG POWER STATION**

YEAR: From: 2014 To: 2014

PROJECT VALUE: R110,000.00

LOCATION: Western Cape province, South Africa

CLIENT: Eskom Holdings SOC Limited

MAIN PROJECT FEATURES: Basic Assessment Reports and Environmental Management Programmes

POSITIONS HELD: **Environmental Consultant**

ACTIVITIES PERFORMED:

- Basic Assessment Process

NAME OF ASSIGNMENT/PROJECT: **KOTULO TSATSI ENERGY SOLAR PARK**

YEAR: From: 2014 To: 2014

PROJECT VALUE: R70,000.00

LOCATION: Northern Cape province, South Africa

CLIENT: Exheredo Pty Ltd

MAIN PROJECT FEATURES: Scoping and EIA process

POSITIONS HELD: **Environmental Consultant**

ACTIVITIES PERFORMED:

- Scoping and EIA process;

- Section 53 Applications.

NAME OF ASSIGNMENT/PROJECT: **VANDERBIJL PARK PIPELINE**
YEAR: From: 2014 To: 2020
PROJECT VALUE: R90,986.88
LOCATION: Gauteng province, South Africa
CLIENT: Emfuleni Municipality
MAIN PROJECT FEATURES: The Emfuleni Local Municipality proposed the construction an approximately 31 kilometre underground steel bulk water supply pipeline with an associated 15 megalitre reservoir
POSITIONS HELD: **Project Manager**
ACTIVITIES PERFORMED: - Project management

NAME OF ASSIGNMENT/PROJECT: **KGABALATSANE SOLAR ENERGY FACILITY**
YEAR: From: 2013 To: 2014
PROJECT VALUE: R85,000.00
LOCATION: North-West province, South Africa
CLIENT: Built Africa Holdings
MAIN PROJECT FEATURES: Scoping and EIA process
POSITIONS HELD: **Environmental Consultant**
ACTIVITIES PERFORMED: - Scoping and EIA process;
- Section 53 Applications.

NAME OF ASSIGNMENT/PROJECT: **HEUNINGSPRUIT PV 1 AND PV 2 SOLAR ENERGY FACILITIES**
YEAR: From: 2013 To: 2013
PROJECT VALUE: R175,000.00
LOCATION: Free State province, South Africa
CLIENT: Sun Mechanics (Pty) Ltd
MAIN PROJECT FEATURES: Basic Assessment Reports and Environmental Management Programmes
POSITIONS HELD: **Environmental Consultant**
ACTIVITIES PERFORMED: - Basic Assessment Process and Authorisation;
- Scoping and EIA process;
- Section 53 Applications.

NAME OF ASSIGNMENT/PROJECT: **HIBERNIA SOLAR ENERGY FACILITY**
YEAR: From: 2013 To: 2013
PROJECT VALUE: R165,000.00
LOCATION: North-West province, South Africa
CLIENT: EA Energy (Pty) Ltd
MAIN PROJECT FEATURES: Basic Assessment Reports and Environmental Management Programmes
POSITIONS HELD: **Environmental Consultant**
ACTIVITIES PERFORMED: - Basic Assessment Process and Authorisation;
- Scoping and EIA process;
- Section 53 Applications.

NAME OF ASSIGNMENT/PROJECT: **STEYNSRUS PV 1 AND PV 2 SOLAR ENERGY FACILITY (PHOTOVOLTAIC)**
YEAR: From: 2013 To: 2013
PROJECT VALUE: R150,000.00
LOCATION: Free State province, South Africa
CLIENT: Sun Mechanics Pty Ltd

MAIN PROJECT FEATURES: Basic Assessment Reports and Environmental Management Programmes
 POSITIONS HELD: **Environmental Consultant**
 ACTIVITIES PERFORMED:

- Basic Assessment Process and Authorisation;
- Scoping and EIA process;
- Section 53 Applications.

NAME OF ASSIGNMENT/PROJECT: **132 KV POWER LINE FROM GAROB WIND FARM TO THE KRONOS SUBSTATION**
 YEAR: From: 2013 To: 2013
 PROJECT VALUE: R75,000.00
 LOCATION: Northern Cape province, South Africa
 CLIENT: Juwi Renewable Energies (Pty) Ltd
 MAIN PROJECT FEATURES: Basic Assessment Reports and Environmental Management Programmes
 POSITIONS HELD: **Environmental Consultant**
 ACTIVITIES PERFORMED:

- Basic Assessment Process and Authorisation

NAME OF ASSIGNMENT/PROJECT: **MIDVAAL ROADS & INTERSECTIONS**
 YEAR: From: 2013 To: 2018
 PROJECT VALUE: R45,237.66
 LOCATION: Gauteng province, South Africa
 CLIENT: Midvaal Municipality
 MAIN PROJECT FEATURES: The Midvaal Local Municipality proposed the upgrading of Midvaal- Anchovy Road situated in Midvaal Local Municipality, Sedibeng District Municipality, Gauteng Province
 POSITIONS HELD: **Senior Environmental Scientist**
 ACTIVITIES PERFORMED:

- Project management

NAME OF ASSIGNMENT/PROJECT: **LAKESIDE SPORTS COMPLEX**
 YEAR: From: 2013 To: 2019
 PROJECT VALUE: R49,785.40
 LOCATION: Gauteng province, South Africa
 CLIENT: Midvaal Municipality
 MAIN PROJECT FEATURES: The Midvaal Local Municipality proposed the development a borehole as part of the proposed Lakeside Sports Complex in Evaton situated south of Gauteng
 POSITIONS HELD: **Project Manager**
 ACTIVITIES PERFORMED:

- Project management

NAME OF ASSIGNMENT/PROJECT: **RARE EARTH SEPARATION PLANT**
 YEAR: From: 2012 To: 2012
 PROJECT VALUE: R64,000.00
 LOCATION: Vredendal, South Africa
 CLIENT: Great Western Mineral Groups
 MAIN PROJECT FEATURES: Basic Assessment Reports and Environmental Management Programmes
 POSITIONS HELD: **Environmental Consultant**
 ACTIVITIES PERFORMED:

- Basic Assessment Process and Authorisation

NAME OF ASSIGNMENT/PROJECT: **BIOTERM ENERGY FACILITY**
 YEAR: From: 2012 To: 2012
 PROJECT VALUE: R75,000.00
 LOCATION: Musina, South Africa

CLIENT: BioTherm Energy (Pty) Ltd
 MAIN PROJECT FEATURES: Basic Assessment Reports and Environmental Management Programmes
 POSITIONS HELD: **Environmental Consultant**
 ACTIVITIES PERFORMED: - Basic Assessment Process and Authorisation

NAME OF ASSIGNMENT/PROJECT: **BIO THERM ENERGY FACILITY**
 YEAR: From: 2012 To: 2012
 PROJECT VALUE: R75,000.00
 LOCATION: Aberdeen, South Africa
 CLIENT: BioTherm Energy (Pty) Ltd
 MAIN PROJECT FEATURES: Basic Assessment Reports and Environmental Management Programmes
 POSITIONS HELD: **Environmental Consultant**
 ACTIVITIES PERFORMED: - Basic Assessment Process and Authorisation

NAME OF ASSIGNMENT/PROJECT: **ESKOM HOLDINGS EXCESS COAL STOCKYARD AT THE MEDUPI POWER STATION**
 YEAR: From: 2012 To: 2012
 PROJECT VALUE: R65,000.00
 LOCATION: Limpopo province, South Africa
 CLIENT: Eskom Holdings SOC Limited
 MAIN PROJECT FEATURES: Basic Assessment Reports and Environmental Management Programmes
 POSITIONS HELD: **Environmental Consultant**
 ACTIVITIES PERFORMED: - Basic Assessment Process and Authorisation

NAME OF ASSIGNMENT/PROJECT: **SOLAR RESERVE SOLAR ENERGY FACILITY**
 YEAR: From: 2012 To: 2012
 PROJECT VALUE: R165,000.00
 LOCATION: Hertzogville, South Africa
 CLIENT: Solar Reserve
 MAIN PROJECT FEATURES: Basic Assessment Reports and Environmental Management Programmes
 POSITIONS HELD: **Environmental Consultant**
 ACTIVITIES PERFORMED: - Basic Assessment Process and Authorisation;
 - Scoping and EIA process;
 - Section 53 Applications.

NAME OF ASSIGNMENT/PROJECT: **TIGER KLOOF SOLAR ENERGY FACILITY**
 YEAR: From: 2013 To: 2014
 PROJECT VALUE: R165,400.00
 LOCATION: North-West province, South Africa
 CLIENT: Kabi Solar (Pty) Ltd
 MAIN PROJECT FEATURES: Scoping and EIA process
 POSITIONS HELD: **Environmental Consultant**
 ACTIVITIES PERFORMED: - Scoping and EIA process;
 - Section 53 Applications.

NAME OF ASSIGNMENT/PROJECT: **GUNSTFONTEIN RENEWABLE ENERGY FACILITIES**
 YEAR: From: 2013 To: 2014
 PROJECT VALUE: R165,000.00
 LOCATION: Northern Cape province, South Africa
 CLIENT: Networx Eolos Renewables (Pty) Ltd

MAIN PROJECT FEATURES: Scoping and EIA process
 POSITIONS HELD: **Environmental Consultant**
 ACTIVITIES PERFORMED: - Scoping and EIA process

NAME OF ASSIGNMENT/PROJECT: **SAN SOLAR ENERGY FACILITY (75 MW)**
 YEAR: From: 2012 To: 2012
 PROJECT VALUE: R175,000.00
 LOCATION: Northern Cape province, South Africa
 CLIENT: VentuSA Energy (Pty), Ltd
 MAIN PROJECT FEATURES: Scoping and EIA process
 POSITIONS HELD: **Environmental Consultant**
 ACTIVITIES PERFORMED: - Scoping and EIA process;
 - Section 53 Applications.

NAME OF ASSIGNMENT/PROJECT: **KLIP GAT SOLAR ENERGY FACILITY (75 MW)**
 YEAR: From: 2012 To: 2012
 PROJECT VALUE: R165,000.00
 LOCATION: Northern Cape province, South Africa
 CLIENT: Terra Solar Pty Ltd
 MAIN PROJECT FEATURES: Scoping and EIA process
 POSITIONS HELD: **Environmental Consultant**
 ACTIVITIES PERFORMED: - Scoping and EIA process;
 - Section 53 Applications.

NAME OF ASSIGNMENT/PROJECT: **NAAUW POORT SOLAR ENERGY FACILITY (75 MW)**
 YEAR: From: 2012 To: 2012
 PROJECT VALUE: R165,000.00
 LOCATION: Northern Cape province, South Africa
 CLIENT: Terra Solar Pty Ltd
 MAIN PROJECT FEATURES: Scoping and EIA process
 POSITIONS HELD: **Environmental Consultant**
 ACTIVITIES PERFORMED: - Scoping and EIA process;
 - Section 53 Applications.

NAME OF ASSIGNMENT/PROJECT: **BIO THERM ENERGY FACILITY IN MUSINA (75 MW)**
 YEAR: From: 2012 To: 2012
 PROJECT VALUE: R165,000.00
 LOCATION: Limpopo province, South Africa
 CLIENT: BioTherm Energy Pty Ltd.
 MAIN PROJECT FEATURES: Scoping and EIA process
 POSITIONS HELD: **Environmental Consultant**
 ACTIVITIES PERFORMED: - Scoping and EIA process

NAME OF ASSIGNMENT/PROJECT: **LOCAL ROADS AND CAUSEWAYS IN THE UMKHANYAKUDE DISTRICT MUNICIPALITY**
 YEAR: From: 2009 To: 2011
 PROJECT VALUE: R145,000.00
 LOCATION: Hluhluwe, South Africa
 CLIENT: Department of Transport
 MAIN PROJECT FEATURES: Basic Assessment Reports and Environmental Management Programmes

POSITIONS HELD: **Junior Environmental Consultant**
 ACTIVITIES PERFORMED:

- Basic Assessment Process and Authorisation;
- Scoping and EIA process;
- Section 53 Applications.

NAME OF ASSIGNMENT/PROJECT: **RAISING OF THE REFURBISHMENT DAM WALL AND THE INSTALLATION OF A PIPELINE FOR THE ESTON SUGAR MILL**
 YEAR: From: 2008 To: 2008
 PROJECT VALUE: R65,000.00
 LOCATION: Kwa-Zulu Natal province, South Africa
 CLIENT: Illovo Sugar Limited
 MAIN PROJECT FEATURES: Scoping and EIA process
 POSITIONS HELD: **Junior Environmental Consultant**
 ACTIVITIES PERFORMED:

- Scoping and EIA process;
- Water Use License Applications.

NAME OF ASSIGNMENT/PROJECT: **BRIDGES (NO 3126/1 & 3127/1) AND EXTENSION TO LOCAL ROAD L1135 UTHUKELA DISTRICT MUNICIPALITY**
 YEAR: From: 2010 To: 2010
 PROJECT VALUE: R145,000.00
 LOCATION: Kwa-Zulu Natal province, South Africa
 CLIENT: Department of Transport
 MAIN PROJECT FEATURES: Basic Assessment Reports and Environmental Management Programmes
 POSITIONS HELD: **Junior Environmental Consultant**
 ACTIVITIES PERFORMED:

- Basic Assessment Process and Authorisation;
- Environmental Control Officer;
- Environmental Management Plans.

PUBLICATIONS:

- None

Certification

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

 [Signature of staff member or authorized representative of the staff]

Date: _____
 Day/Month/Year

Full Name of Authorized Representative: Umeshree Naicker

NAME	: Minenhle Luthuli
PROFESSION	: Environmental Monitor
DATE OF BIRTH	: 06 March 1989
PARENT FIRM	: GIBB - currently unemployed
POSITION IN FIRM	: Environmental Officer / Monitor
YEARS WITH FIRM	: 0 years
NATIONALITY	: South African
BI & MALE/FEMALE STATUS	: PBP Female

TERTIARY EDUCATION (AND YEAR OBTAINED):

<i>Institution:</i>	<i>Qualification:</i>	<i>Year Obtained:</i>
University of Johannesburg	MSc Aquatic Health	In Progress
Monash University SA	Postgraduate Diploma in Water Management	2019
University of KwaZulu-Natal	BSc Environmental and Earth Science	2014

OTHER TRAINING:

<i>Institution:</i>	<i>Qualification:</i>	<i>Year Obtained:</i>
NOSA	Certificate in Introduction to SAMTRAC	October 2019
Centurion Academy	Certificate in MS Excel Level 2	December 2018
The Human Edge	Certificate in Crucial Conversation	November 2018
North-West University	Certificate in Environmental Management Systems – ISO 1400:2015	November 2018
Department of Water Affairs and Sanitation	Training in Water Use Authorization Sec 21 (a) and (i)	September 2018
IAIA & IAP2	Public Participation and Conflict Resolution Course	June 2018
EY	Integrated Financial Reporting Course	June 2017
SGS	Certificate in Quality Management System Awareness – ISO 9001:2015	March 2017
University of South Africa	Certificate in Project Management	December 2016

PROFESSIONAL AFFILIATION:

- International Association for Impact Assessment South Africa (IAIAsa)

LANGUAGES:

	Speaking:	Reading:	Writing:
English	Fluent	Fluent	Fluent
IsiZulu	Fluent	Fluent	Fluent

COUNTRIES OF WORK EXPERIENCE:

South Africa

PROPOSED POSITION ON TEAM: Environmental Officer / Monitor**RELEVANT EXPERIENCE:**

EMPLOYER:	TCTA
YEAR:	From: March 2017 To: February 2020
POSITIONS HELD:	EMS Intern
ACTIVITIES PERFORMED:	<ul style="list-style-type: none"> • Research, drafting & testing elements of policies and strategy with relevant legislation • Monitor incidents to facilitate alignment of NEMA- EA, EMPs and TCTA's EMS Emergency Management procedure • Conduct site inspections and compile reports for EMS trend analysis • Participate in the preparation and reviewing of project documentation such as EIA reports and EMPs

- Compile water quality reports to for Klipriver Catchment Forum
- Identify and raise potential environmental risks
- Audit and track availability of documentation and records for the following projects (Acid Mine Drainage, Olifants River Water Development Project, Mokolo Crocodile Water Augmented Projects & Mooi Mgeni Transfer Scheme)
- Develop awareness presentation & articles for internal and external stakeholders
- Plan and lead sustainability programmes
- Track and monitor environmental performance indicators and targets on a monthly basis
- Tender specification committee member for Berg River Voelvlei Augmentation Scheme
- Assist Contracts Manager in authentication & processing projects invoices in line with PFMA
- Provided secretarial support to the environmental team and TCTA's Bargaining Forum

EMPLOYER:	NRF-KZN Science Centre (KZNSC)	
YEAR:	From: January 2016	To: February 2017
POSITIONS HELD:	Volunteer Assistant Education Officer	
ACTIVITIES PERFORMED:	<ul style="list-style-type: none"> • Pro-actively sourcing potential partners • Research, develop, coordinate & implement in-reach & outreach projects • Compile and submit reports to education officers • Regularly participate in a local radio show to promote STEM subjects • Planning and implementation of projects in various parts of KZN • Develop learner & teacher support materials to be used to educate, excite & promote understanding of STEM subjects • Report inventory usage & shortage timeously to ensure effective coordination of activities • Provide educator training in line with curriculum developments & good classroom practice • Develop programme feedback & evaluation measures for review & assessment of the education centre 	

EMPLOYER:	Tenderscan	
YEAR:	From: June 2014	To: January 2016
POSITIONS HELD:	Data Manager	
ACTIVITIES PERFORMED:	<ul style="list-style-type: none"> • Monitoring & responding to administration duties • Support the manager with duties that enabled him to be more effective & efficient in his role • Source tenders from provincial & national media • Retrieve, scan & digitize the image information • Compile an accompanying (MS Access) database form with corresponding information • Pass the images & database capture form to the KZN Provincial Manager to add additional details & upload onto company servers for clients to view 	

Declaration:

I confirm that the above information contained in the CV is an accurate description of my experience and qualifications and that, at the time of signature, I am available and willing to serve in the position indicated for me in the Proposal for Consulting Services for the Mokolo Crocodile Water Augmentation Project Phase 2, for the durations and at the locations indicated therein.

LUTHULI MINENHLE
Signature of Staff Member

Date: 11 June 2020