

<b>Name:</b>	Alicia Govender
<b>Profession:</b>	Environmental
<b>Date of Birth:</b>	<b>1985/09/29</b>
<b>Parent Firm:</b>	Environmental Management Assistance
<b>Position in Firm:</b>	Environmental Assessment Practitioner
<b>Nationality:</b>	South African
<b>BI &amp; Male/Female Status:</b>	Indian Female
<b>Tertiary Education:</b>	LLM (Masters in Environmental Law (UKZN))
<b>Professional Qualifications:</b>	EAPASA registration in progress
<b>Languages:</b>	English and Afrikaans
<b>Countries of Work Experience:</b>	South Africa, Mozambique

**PROPOSED POSITION ON TEAM:** Lead/ principal Environmental Assessment Practitioner

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## KEY QUALIFICATIONS:

Alicia's passion has always been people, environmental management, sustainable development, and energy related matters all of which have been key contributing drivers toward her career path. Her vision in life is to make a difference, in whatever she does.

Based on the environmental and energy sectors in which Alicia has worked, her experience and competencies include:

- Renewable Energy Project Development Permitting
- Environmental Assessment / Sustainability reporting and reviewing
- Environmental monitoring
- Project planning and project management
- Community liaison and stakeholder management
- Business development and optimisation strategies
- Strategy definition and implementation
- Proficiency in full Microsoft office suite

Having worked mainly in the renewable energy sector for over 13 years, Alicia specialises in Environmental Management and Renewable Energy, and has attained a master's degree in Environmental Law (LLM). Her dissertation focused on the legal protection of avifauna in South Africa, specifically from utility scale solar energy facilities in support of sustainable development, in relation to its beneficial carbon footprint.

Alicia has worked as an Environmental Assessment Practitioner (EAP) for 5 years and has led and been involved in an extensive list of Environmental Impact Assessment Processes for various renewable energy projects (Appendix A). Post her environmental consulting years, she worked in the private sector for two different solar energy Independent Power Producers (IPPs) overseeing their environmental management and project permitting. She has been especially involved in solar developments for 5 years, and has worked with utility scale Concentrating Solar Power (CSP) and Photovoltaic (PV) with key environmental permitting and project management roles for projects bid into the Renewable Energy Independent Power Producer Procurement Program (REIPPPP) for the expedited bid window (BW 4.5). Alicia also recently undertook a bid management role in the Risk Mitigation IPP Procurement programme for Enel Green Power and is currently assisting BioTherm Energy with project permitting and bid management for wind projects in preparation for REIPPPP Bid Window 5.

Other areas of her expertise include Waste Management, Project Management as well as Business Development in South Africa and other African Countries

**RELEVANT EXPERIENCE:**

**Environmental Assessment Practitioner on the following projects:**

- EIA and EMPr for the Proposed 1GW Karoshhoek Solar Thermal Park (CSP), Northern Cape (split into 12 different EIA components)
- BAR and EMPr for the 19MW Redstone PV Energy Facility, Northern Cape
- EIA and EMPr for the Proposed Exxaro West Coast Wind Farm Development, north west of Vredendal in the Western Cape Province
- EIA and EMPr for the Proposed Eskom Kleinsee 300 MW Wind Energy Facility, Northern Cape Province
- BAR and EMPr for the 20MW Wind Energy Facility near Koingnaas, Northern Cape Province
- Public Participation for the Proposed Biomass Co-Firing Demonstration Facility at Arnot Power Station, Mpumalanga Province
- Public Participation for the Aggeneis- Oranjemond Transmission Line in the Northern Cape

**A comprehensive list of environmental project experience is attached to this CV.**

**SUMMARY OF OTHER EXPERIENCE**

Business Development Manager at SolarReserve (Independent Power Producer)	2016 – 2019
Environmental Specialist at Emvelo (Independent Power Producer)	2015 – 2016
Waste Specialist at Aurecon	2013 – 2015
Environmental Consultant/ Project Manager at Savannah Environmental	2008-2013

I confirm that I have technical and economic capacity as well as the relevant experience to carry out the works required in my specialist field.

Declaration of Independence:

I confirm that the above information contained in the CV is an accurate description of my experience and qualifications and that, EMA was appointed as an independent specialist consultant to undertake the environmental impact assessment process. Neither EMA nor any of its EAPs will benefit from the outcome of the project decision-making, except for reasonable compensation for professional services provided.



Signature of Staff Member

07 September 2021

Date

## EAP Project Experience

Task	Project Description	Client
<b>Wind</b>		
Basic Assessment	Wind Farm facility at Brand se Baai	Promethium Carbon
Basic Assessments	Wind Monitoring Masts for properties-North of Koekenaap	Mulilo
Basic Assessment	Proposed establishment of wind monitoring masts on two sites East of Cape Town in the Overberg near Boontjieskraal in the Western Cape	BioTherm Energy (Pty) Ltd
EIA and EMPr	Proposed wind energy facility near Caledon in the Overberg area in the Western Cape Province	BioTherm Energy (Pty) Ltd
EIA and EMPr	Proposed Exxaro West Coast Wind Farm Development, north west of Vredendal in the Western Cape Province	Exxaro Resources
Basic Assessment	Wind Energy Facility near Koingnaas, Northern Cape Province	Just Palmtree Power
EIA and EMPr	Project Blue Wind Energy Facility near Kleinsee, Northern Cape Province (split into 3 different EIA components)	WWK Development (Pty) Ltd
EIA and EMPr	Proposed Kleinsee 300 MW Wind Energy Facility, Northern Cape Province	Eskom Generation
EIA and EMPr	Proposed Aberdeen 200 MW Wind Energy Facility, Eastern Cape Province	Eskom Generation
EIA and EMPr	Proposed Goereesoe, Swellendam Wind Farm, Western Cape Province	INCA Swellendam1 Wind (Pty) Ltd
EIA and EMPr	Proposed Moorreesburg Wind Farm, Western Cape Province	INCA Moorreesburg Wind (Pty) Ltd
<b>Solar (PV)</b>		
EIA	Proposed Photovoltaic Solar Energy Facility on a site southeast of De Aar, Northern Cape Province	INCA De Aar Solar (Pty) Ltd
EIA	Project Blue Solar Energy Facility near Kleinsee, Northern Cape Province	WWK Development (Pty) Ltd
Basic Assessment	Proposed St Helena Bay Solar Energy Facility, Western Cape	Electrawinds Africa and Indian Ocean Islands (Pty) Ltd
EIA	Proposed Graafwater Solar Energy Facility, Western Cape	iNca Energy (Pty) Ltd
EIA	Proposed Prieska Solar Energy Facility, Northern Cape	Jouren Solar (Pty) Ltd
BAR and EMPr	Redstone PV Energy Facility, Northern Cape	SolarReserve
EIA and EMPr	Review and Management of Kotulo Tsatsi PV Plant, Northern Cape Province	SolarReserve
BAR and EMPr	Ergo Mining: 10MW PV, Gauteng Province	DRD Gold Mine
EIA and EMPr	Ergo Mining: 50MW PV, Gauteng Province	DRD Gold Mine
<b>Solar (CSP)</b>		
EIA and Public Participation	Proposed Ilanga Solar Thermal Power Plant as Part of the Future Karoshoek Solar Thermal Park, Northern Cape	Ilangaethu Solar Power (Pty) Ltd
EIA and EMPr	Proposed 1GW Karoshoek Solar Thermal Park, Northern Cape (split into 12 different EIA components)	FG Emvelo (Pty) Ltd
EIA and EMPr	Review and Management of Kotulo Tsatsi CSP Plant, Northern Cape Province	SolarReserve
<b>Interconnection</b>		
Public Participation	Tshwane Strengthening Project: Phase1	Eskom Transmission
Public Participation	Aggeneis- Oranjemond Transmission Line in the	Eskom Transmission

Task	Project Description	Client
	Northern Cape	
Basic Assessment	Proposed grid integration for the Karoshoek Solar Thermal Park, Northern Cape	FG Emvelo (Pty) Ltd
<b>Other</b>		
EIA and EMPr	Upgrade of the Hartebeestfontein Wastewater Care Works	ERWAT
EIA and EMPr	Extension of the Welgedacht Wastewater Care Works	ERWAT
Operational EMPr	Medupi Power Station	Eskom
Educational Booklet for the Environmental Management Plan	Medupi Power Station construction	Eskom
ECO Audit Reports	De Hoop Dam	
Basic Assessment, EMP and Water Use Licence Application	Proposed Bus and Taxi facility in the Dilokong Area, Limpopo Province	SANRAL
EIA and Water Use Licence Application	Proposed construction of the Ngotwane River Bridge and P224-1 road upgrade between South Africa and Botswana ( <b>cross border project</b> ).	SANRAL
ECO monitoring	Rehabilitation of Blaauwpan and associated storm water channel, Gauteng	Airports Company South Africa (ACSA)
Public Participation	New proposed Coal fired power station near Oggies/Phola, Mpumalanga Province	Rukki SA
Basic Assessment and EMPr and Public Participation	Remediation of Asbestos Contaminated Land in Limpopo and KZN Provinces	Transnet Freight Rail
Public Participation	Proposed Biomass Co-Firing Demonstration Facility at Arnot Power Station, Mpumalanga Province	Eskom Generation
External review and sign off: BAR and EMPr	Proposed Upgrading of Thembinkosi Primary School Newcastle Local Municipality, Kwazulu-Natal	NCC Environmental
Compilation of Environmental Audit checklists	8 x Omnia Plants (x48 Environmental Authorisations)	MDT Environmental
Public Participation	Vygenhoek Platinum Mine, Mpumalanga Province	Nomamix (Pty) Ltd

Name: **Deon Esterhuizen**  
Profession: **Professional Natural Scientist**  
Date of Birth: **06 June 1968**  
Parent Firm: **MDT Environmental**  
Position in Firm: **Environmental Consultant**  
Years with Firm: **3 years**  
Nationality: **South African**  
BI & Male/Female Status: **White Male**  
Education: **M.Sc Environmental Ecology, 2003**  
**B.Sc Honours Botany & Zoology, 1991**  
**B.Sc Botany & Zoology, 1990**  
Professional Accreditation: **Registered with the South African Council for Natural Scientific Professions: Professional Natural Scientist - Environmental Science (RN: 400154/09).**  
**Member of the International Association for Impact Assessors South Africa**  
Languages: **English**

Other Languages	Speaking	Reading	Writing
<b>Afrikaans</b>	<b>Excellent</b>	<b>Excellent</b>	<b>Excellent</b>

Countries of Work Experience: **South Africa**  
Proposed Position on Team: **Environmental Leader**

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## **KEY QUALIFICATIONS**

24 years of experience in water related projects, which include water resource management, water quality management, water use registration and licensing 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.

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## **RELEVANT EXPERIENCE**

### **SENIOR EAP: REVIEW AND ENVIRONMENTAL BASIC ASSESSMENT REPORT AND EMPR FOR THE REDSTOND PV PROJECT IN THE NORTHERN CAPE PROVINCE.**

Responsible for the review of the Basic Assessment Report and the EMPr under environmental legislative requirements.

- Review and comment on BAR and EMPr
- Apply and ensure legislative requirements are met prior to submission to the DEA

### **DEPUTY PROJECT MANAGER – ENVIRONMENTAL (BIOPHYSICAL AND SOCIAL), OLIFANTS RIVER WATER RESOURCES DEVELOPMENT PROJECT, TCTA & DWS, 2009 TO DATE, VALUE = R13,35 BILLION**

Responsible for the management of all environmental, social and land acquisition tasks in accordance with the agreement and reported directly to the Project Manager for Sub-Phases 2 B, C, D, E & F.

These tasks included:

- establish and maintain a close liaison with the Employer's environmental staff and ensure that the obligations of the consulting agreement are fulfilled,
- apply and ensure observance of quality on each of the Consultant's environmental tasks, particularly regarding setting clear definition of work to the various specialist and staff members that will be part of the environmental team,
- lead the additional environmental authorisations,

- provide technical review work as required on all environmental tasks, but was particularly responsible for the EMP and the development of the Project Specifications,
- be responsible for internal environmental performance auditing,
- organise and provide technical backstopping for the site environmental supervision activities and staff.

**ENVIRONMENTAL EXPERT – DESIGN AND CONSTRUCTION OF BOTSABELO COMPLEX – LESOTHO BLOOD TRANSFUSION SERVICES SENTRE, NATIONAL REFERENCE LABORATORY, STUDENT ACCOMMODATION AT THE NATIONAL HEALTH TRAINING COLLEGE, THE GOVERNMENT OF THE KINGDOM OF LESOTHO, MARCH 2010 TO DECEMBER 2010, VALUE = R0.5 BILLION**

Responsible for the development of an Environmental Protection Plan for implementation during construction. The development of method statements for key environmental construction activities.

**ENVIRONMENTAL MANAGEMENT SPECIALIST – ENVIRONMENTAL IMPACT ASSESSMENT TO INVESTIGATE THE ENVIRONMENTAL FEASIBILITY OF RAISING THE TZANEEN DAM, THE CONSTRUCTION OF A STORAGE DAM IN THE GROOT LETABA RIVER AND ASSOCIATED BULK WATER INFRASTRUCTURE IN THE LIMPOPO PROVINCE, DEPARTMENT OF WATER AND SANITATION, APRIL 2007 TO NOVEMBER 2008, VALUE = R1.5 BILLION**

Responsible for the development of the Environmental Management Plan.

**ENVIRONMENTAL SPECIALIST – CONSTRUCTION OF THE THUNE DAM IN BOTSWANA, REPUBLIC OF BOTSWANA, MINISTRY OF MINERALS, ENERGY AND WATER AFFAIRS: DEPARTMENT OF WATER AFFAIRS, APRIL 2007 TO APRIL 2012, VALUE R1.3 BILLION**

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**SUMMARY OF OTHER EXPERIENCE**

2016 to Date MDTE Consulting, Director  
2005 to 2016 ILISO Consulting – Director (Environmental Division)  
2000 to 2005 BKS – Director (Environmental Division)  
1991 to 1999 Department of Water and Sanitation, Assistant Director

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**POSITION EXPERIENCE**

Environmental Management and Monitoring Experience			
Role	Project Name	Contract Value	Duration in Years
Deputy Project Manager	ORWRDP2	R13.35 Billion	2009 - current
Environmental Expert	Botsabelo Complex	R0.5 Billion	March 2010 – December 2010
Environmental Management Specialist	Tzaneen Dam raising and storage dam on Groot Letaba	R1.5 Billion	April 2007 to November 2008
Environmental Specialist	Thune Dam	R1.3 Billion	April 2007 to April 2012

**DECLARATION**

I confirm that I have technical and economic capacity as well as the relevant experience to carry out the works required in my specialist field in response to RFQ: No 00705-ZA.

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 durations and the locations indicated therein.



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Signature of Staff Member

02/09/2019

Date