

SiVEST

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KwaZulu-Natal. South Africa



SiVEST Environmental
SiVEST SA (Pty) Ltd
PO Box 1899
Umhlanga Rocks
4320

Division: Civil Engineering
Your Reference:
Our Reference: 17690/NH/C04
Date: 13 October 2022

ATTENTION: Ms MICHELLE NEVETTE

Dear Madam

PLATSJAMBOK EAST SOLAR ENERGY FACILITY – SPECIALIST COMMENT FOR EA AMENDMENT – TRANSPORTATION ASSESSMENT

The above project refers.

1. INTRODUCTION

Mainstream Renewable Power South Africa (Pty) Ltd require that a Part 1 (one) Amendment Application be undertaken in terms of the NEMA: EIA Regulations 2014 as amended, in order to extend the validity of the Environmental Authorisation (EA) previously acquired for the Platsjambok East Photovoltaic Solar Energy Facility.

The Part 1 Amendment Application requires that specialist comment be obtained on the specialist studies undertaken for the initial EA.

The original Transportation & Traffic Management Plan for the Platsjambok East Photovoltaic Solar Energy Facility was completed by Messrs. BVi Consulting Engineers WC in April. SiVEST SA (Pty) Ltd have been appointed to provide specialist comment on the same.

2. REASONS FOR AMENDMENT

It is our understanding that the need for the amendment arises from the expiry of validity of the initial Environmental Authorisation. We understand that the material aspects of the proposed development, being the scope, nature, layout and components of the facilities, have not changed.

Part of the SiVEST Group SiVEST SA (Pty) Ltd Registration No. 2000/006717/07 t/a SiVEST

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London, England +44 0203 817 7691
Tunbridge Wells, England +44 1892 557 290
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3. SPECIALIST COMMENT

The material findings of the original Transportation Study are summarised below:

- The proposed development was anticipated to have the greatest traffic impact during the construction phase due to the transportation of labour, construction plant, construction materials and PV facility components. The anticipated traffic during the operation and maintenance phase was found to be significantly less.
- The main access to the facility was identified along the R357.
- The primary long-distance haulage routes were identified to emanate from Gqeberha (f.k.a Port Elizabeth) and Saldanha Bay and follow a series of national routes (N10, N7) and provincial routes (R399, R27, R63, R386 and R357).

The above summarised points are among the primary factors influencing the outcomes and recommendations of the referenced Transportation Study. The circumstances giving rise to the Part 1 Amendment Application have not impacted on the factors stated above and therefore do not warrant any additional work in respect of the original Transportation Study.

4. CONCLUSION

An updated transportation assessment will not be required and the findings and recommendations as contained in the previous document will still be valid. In terms of transportation, the proposed amendment of the environmental authorization can be approved.

We trust the foregoing is sufficient for your requirements.

Yours faithfully



Ntuthuko Hlanguza Pr. Eng
Civil Engineer
SIVEST

Email: ntuthukoh@sivest.co.za

Incl: Appendix A: Specialist Curriculum Vitae
Appendix B: Specialist Declaration



Appendix A:
CURRICULUM VITAE OF SPECIALIST

Name Ntuthuko Hlanguza
Profession Professional Civil Engineer
Name of Firm SiVEST SA (Pty) Ltd
Present Appointment Senior Civil Engineer
SiVEST Civil Engineering Division
Years with Firm 7 years
Nationality South African

Education

- Maritzburg College (2004): Grade 12 with Distinction

Professional Qualifications

- BSc.Eng (Civil) - University of KwaZulu-Natal (2014)
- Post Graduate Certificate in Energy Efficiency and Sustainability – University of Cape Town (2020)
- Professional Engineer (ECSA) – Registration No. 202202263

Membership in Professional Societies

- Engineering Council of South Africa (ECSA) – Pr Eng (Reg No. 202202263)
- South African Institution of Civil Engineering (SAICE)

Employment Record

Feb 2015 – current SiVEST SA (Pty) Ltd – Civil Engineer
Dec 2013 – Jan 2014 Naidu Consulting, Durban – Student Engineer

Experience Overview

Ntuthuko is a Professional Civil Engineer with key experience in roads and transportation, water, sanitation, earthworks and construction monitoring. His achievements include SI instructor to junior students at UKZN and chairperson of UKZN's student chapter of the South African Institution for Civil Engineering (SAICE-UKZN).

Fields of Specialisation

- Engineering Feasibility Studies
- Road Geometrics and Pavement Design
- Stormwater Management
- Water Supply and Reticulation
- Sewer Reticulation
- Bulk Earthworks
- Construction Monitoring and Administration

Project Experience (by Sector)

RENEWABLE ENERGY

- Transportation Studies for Proposed Solar and Wind Energy Facilities
- Traffic Impact Assessments for Proposed Solar and Wind Energy Facilities
- Glint & Glare Assessments for Proposed Solar and Wind Energy Facilities
- Stormwater Management Plans for Proposed Solar and Wind Energy Facilities

ROADS AND STORMWATER

- Traffic Planning, Design and Contract Administration of Urban Roads (Class 3-5 roads)
- Traffic Planning, Design and Contract Administration of Internal Roads, Access Roads and Intersections of Large-Scale Residential Developments
- Design and Construction Monitoring of Bulk Stormwater Infrastructure
- Planning and Design of Storm Attenuation Features
- Undertaking of Flood Risk Assessments and Stormwater Management Plans

WATER AND SANITATION

- Feasibility Studies, Planning and Design of Community Water Supply Schemes
- Feasibility Studies, Planning and Design of Bulk Water Transfer Schemes
- Design of Water and Sanitation Services for Education Facilities
- Design of Water and Sanitation Services for Provincial Hospitals
- Design of Water and Sanitation Services for Residential, Commercial and Industrial Developments



Appendix B:
SPECIALIST DECLARATION

DECLARATION OF INDEPENDENCE



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

DETAILS OF THE SPECIALIST, DECLARATION OF INTEREST AND UNDERTAKING UNDER OATH

File Reference Number:	(For official use only)
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

THE PROPOSED CONSTRUCTION AND OPERATION OF THE 75MW PLATSJAMBOK EAST PV SOLAR ENERGY FACILITY LOCATED NEAR PRIESKA IN THE NORTHERN CAPE 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. SPECIALIST INFORMATION

Specialist Company Name:	SIVEST SA(PTY) LTD		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	2	Percentage Procurement recognition
			125%
Specialist name:	NTUTHUKO HLANGUZA		
Specialist Qualifications:	BSC.ENG (CIVIL)		
Professional affiliation/registration:	ECSA (PR ENG N° 202202263)		
Physical address:	16 GRANTON PLACE, WEMBLEY, PIETERMARITZBURG, 3201		
Postal address:	PO BOX 22637, SOUTHGATE, PIETERMARITZBURG		
Postal code:	3200	Cell:	073 130 3679
Telephone:	033 347 1600	Fax:	N/A
E-mail:	NTUTHUKOH@SIVEST.CO.ZA		

2. DECLARATION BY THE SPECIALIST

I, NTUTHUKO HLANGUZA, declare that –

- I act as the independent specialist in this application;
- 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 declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting the specialist report relevant to this application, 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 have no, and will not engage in, conflicting interests in the undertaking of the activity;
- 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;
- all the particulars furnished by me in this form are true and correct; and
- I realise that a false declaration is an offence in terms of regulation 48 and is punishable in terms of section 24F of the Act.



Signature of the Specialist

SIVEST SA (PTY) LTD

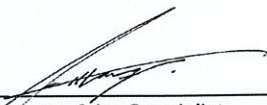
Name of Company:

13 OCTOBER 2022

Date:

3. UNDERTAKING UNDER OATH/ AFFIRMATION

I, NTUTHUKO HLANGUZA, 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 Specialist

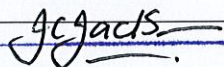
SIVEST SA (PTY) LTD

Name of Company

13 OCTOBER 2022

Date

Jacqueline Chantel Jackson
COMMISSIONER OF OATHS

Signature of the Commissioner of Oaths 

Signature

Divisional Controller
Ref. 9/1/8/2 (R/O) KZN PMB - 08/02/2019

Date: 13/10/2022 Place: PMB

Business Address: VCC Estate, 170 Peter Brown Drive, PMB