

Head Office, Pretoria

Tel: +27 (0)12 844 0306
info@techso.co.za

Box 35, Mark Shuttleworth Street, The Innovation Hub,
0087, South Africa

Suite L11, The Enterprise Building
Mark Shuttleworth Street, The Innovation Hub,
Pretoria, Gauteng, South Africa

Cape Town

Tel: +27 (0)21 557 7730
info@techso.co.za

PostNet Suite #31, Private Bag X3, Bloubaerg,
7443, South Africa

3 Arauna Road
Brackenfell
Cape Town, Western Cape, South Africa



My Ref: TJ1819
21 April 2020

Arcus Consultancy Services South Africa (Pty) Ltd
Office 607 Cube Workspace
Cnr. Long Street and Hans Strijdom Ave
Cape Town
8001

Attention Ms. Aneesah Alwie

Dear Madam

Traffic Specialist Confirmation for the Proposed Paulputs EA Amendment

Your Correspondence of 2020/04/14 refers.

The proposed changes as below are noted:

- Rotor Diameter to increase up to 220m
- Hub Height to increase up to 180m
- Tip Height to increase up to 250m

It is noted that the number of Wind Turbines are not changed.

It is confirmed that the Traffic Specialist Report of 11 July 2019 considered the proposed Paulputs Wind Energy Facility (including associated Grid connections) as a single entity and highlighted the need for a Transportation Plan. Said plan would consider the logistics of transporting abnormal loads (materials, goods and equipment) to site and will be compiled after preferred bidder status is awarded.

It is confirmed that the above changes do not impact on the Traffic Specialist Report findings and recommendations.

Yours Sincerely

A handwritten signature in black ink, appearing to read 'Stephēn Fautley', is written over a light blue horizontal line.

Stephēn Fautley
for Techso (Pty) Ltd

C:\Users\User\Qsync\Techso\Projects\Projects 2018\Paulputs WEF\Paulputs WEF changes no impact on Traffic Specialist Report - 20200421.docx

Annexure A – Site Verification Report

I hereby confirm that the site sensitivity verification is concluded as per the Traffic Specialist Letter by Techso (Pty) Ltd, dated 21 April 2020, as well as the original Traffic Specialist Report by Techso (Pty) Ltd, dated 11 July 2019 for the Proposed Paulputs WEF EA Amendment. The Verification has been undertaken through the use of:

- (a) a desk top analysis, using satellite imagery (google earth). This was to determine site and route spatial aspects / conditions;
- (b) a on-site inspection. A site visit was conducted on 24 August 2018, a normal traffic day, to assess possible routes to site and to gain insight to possible issues and constraints along the various routes, from Saldanha Port (point of origin) to the proposed WEF site (destination), and to assess the roadside and site environment from a transport perspective..
- (c) other available and relevant information was also sourced, such as South African National Road Authority Limited (SANRAL) Traffic Count Database. This was done to obtain background traffic flows required in assessment of traffic impact on road capacity, from origin to destination, for the transport of wind turbine components.
- (d) Applicable Regulation: The requirements in the TMH 16 Vol 1 & 2 South African Traffic Impact and Site Traffic Assessment Manual, August 2012, compiled by the Committee of Transport Officials (COTO) were used for this study. Trip generation rates were based on the Scope of Work and the anticipated build programme. Traffic impacts resulting from other similar developments within 35 km of the site were estimated, based on previous experience of similar developments, and understanding of their cumulative impact on the subject WEF and grid

The Proposed Amendment will not have undue detrimental impact on traffic, further statements and mitigation measures as assessed are recorded in the Traffic Specialist Report dated 11 July 2019.

Annexure B – Specialist Declaration



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

Proposed Amendment for the 300MW Paulputs Wind Energy Facility, 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:	Techso (Pty) Ltd		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	2	Percentage Procurement recognition
Specialist name:	Stephen Mark Fautley		
Specialist Qualifications:	National Higher Diploma (Civil Engineering)		
Professional affiliation/registration:	Engineering Council of South Africa (ECSA) Registration Number 200270171		
Physical address:	13 Riverside Drive, Milnerton, Cape Town		
Postal address:	13 Riverside Drive, Milnerton, Cape Town		
Postal code:	7441	Cell:	0843007722
Telephone:	021 557 77 729	Fax:	-
E-mail:	steve@techso.co.za		

2. DECLARATION BY THE SPECIALIST

I, Stephen Mark Fautley, 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

Techso (Pty) Ltd

Name of Company:

2021/07/20

Date

2021/07/20

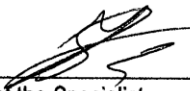
Date

Date

Details of Specialist, Declaration and Undertaking Under Oath

3. UNDERTAKING UNDER OATH/ AFFIRMATION

I, Stephen Mark Fautley, 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

Techso (Pty) Ltd

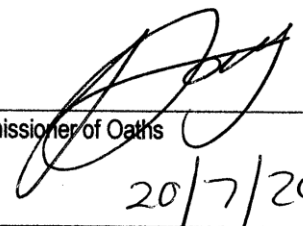
Name of Company

2021/07/20

Date

Signature of the Commissioner of Oaths

Date


20/7/2021

**Pauline Fautley
Commissioner of Oaths (RSA)
Accounting Officer A0661439
Ad: 13 Riverside Drive, Milnerton, 7441
Tel: 021 588 2077**

Annexure C - Curriculum Vitae

CURRICULUM VITAE

STEPHEN FAUTLEY

Surname	Fautley
Christian names	Stephen Mark
Identity number	6107 1551 75 083
Date of Birth	15 July 1961
Nationality	South African
Profession	Traffic Engineer
Years' experience	34

KEY QUALIFICATIONS

Stephen Fautley Stephen is a traffic engineering technologist with over 30 years of experience in traffic and transportation engineering. He has completed the Transportation Planning and Study Methodology course and the Highway Capacity course at the University of Stellenbosch. Stephen has been involved with civil, traffic and transportation engineering for ten (10) years at Provincial Government of the Western Cape, 18 months with Kantey and Templer Consulting Engineers and 10 years at local authority/city level and joined Techso in August 2008

Countries of work experience include South Africa, Namibia and Mozambique.

CAREER SUMMARY

2008 – Date	Senior Transportation Engineer, Techso
2006 – 2008	Regional Head, Traffic Impact Assessments and Development Control, City of Cape Town
1998 – 2006:	Principal Technician: Traffic Engineering, City of Cape Town
1997 – 1998:	Senior Technician, Kantey and Templer
1995 – 1996:	Chief Industrial Technician, Urban Transportation: Provincial Government: Western Cape
1994 – 1995:	Chief Industrial Technician Regional Services: Provincial Government: Western Cape
1993 – 1994:	Chief Industrial Technician: Mapping and Proclamations: Provincial Government: Western Cape
1986– 1992:	Principal Industrial and (1986 -1991) Industrial Technician: Geometric Design: Provincial Administration: Western Cape

PROFESSIONAL EXPERIENCE

Key Experience

- Transportation Planning
- Traffic Engineering
- Road Safety Audits

Development of Public Transport Safety Plan (2017 – 2018) – Input to rail safety section in the development of a public transport safety plan serving as one of the implementations plans in support of the National Road Safety Strategy 2016-2020 that is aligned with the goals and targets of both the UN Decade of Action and the National Development Plan, 2030.

Transport Impact Statement for Erf 22 at 109 Kloof Road in Bantry Bay (2017) – Technical investigation into Erf 22, Bantry Bay driveway and garage accessibility from Kloof Road. Assessment of traffic safety and legal access rights. Made presentation to legal representative for the client for court case.

Assessment of Road Safety Risk and Enforcement Measures (2015 – 2017) - Assess data provided by TMT. Identify sites that could benefit from SME Cameras. Conduct research and provide insight to the road safety issues. Draft reports for following municipalities motivating for the placement of SME cameras, for Director of Public Prosecutions approval

- uPhongola Municipality

- Msunduzi Municipality
- Ubelebezwe Municipality
- Mandeni Municipality
- Hibiscus Municipality
- Howick Municipality
- Ethekeweni Municipality

Contract 24G/2009/10 IRT AFC - City of Cape Town - Integrated Rapid Transport - sub-consultant review and design of intersection and traffic signals for Cape Town Integrated Rapid Transport (2009)

PV Solar Plant at ACSA George - Traffic Impact Statement for the proposed PV Solar Plant at Airport Company South Africa (ACSA) George Airport (2015). The report dealt with building in the Road Building Line (Roads and Ribbon Development Act, Act 21 of 1940) and also included assessment of Hazardous Solar Glare Analysis impact on Road Users.

City of Cape Town - Integrated Rapid Transit Phase 1B – Conduct Stage 3 Road Safety Audits on a number of sites as below (2015):

- Koeberg Road / Royal Road Intersection in Maitland
- Koeberg Road / Loxton Road Intersection in Milnerton
- Koeberg Road / Boundary Road Intersection in Milnerton
- Koeberg Road / Ysterplaat Primary School in Ysterplaat
- Koeberg Road / Section Street Intersection in Brooklyn

City of Cape Town - Integrated Rapid Transit Phase 1B – Conduct a Stage 3 Road Safety Audit on R27 Reversible Bus Lane (2016).

City of Cape Town - Integrated Rapid Transit Phase 1B – Conduct Stage 6 Road Safety Audits (Road Safety Appraisals) on a number of sites as below (2018):

- Koeberg Road / Royal Road Intersection in Maitland
- Koeberg Road / Loxton Road Intersection in Milnerton
- Koeberg Road / Boundary Road Intersection in Milnerton
- Koeberg Road / Ysterplaat Primary School in Ysterplaat
- Koeberg Road / Section Street Intersection in Brooklyn

SANRAL Project No. NRA: N.001-290-2017/1F for the rehabilitation of National Route 1 Section 29 from Masekwaspoort (km 27.80) to km 70 in Limpopo - SANRAL - Conduct a Stage 6 (Appraisal) Road Safety Audit (2017)

SANRAL Project No. NRA: N.001-290-2017/1F for the rehabilitation of National Route 1 Section 29 from Masekwaspoort (km 27.80) to km 70 in Limpopo - SANRAL - Conduct a Stage 1 (Prelim Design) Road Safety Audit (2018)

Outdoor Advertising Applications – Provided input and assistance to client applications for outdoor advertising signage on sites as below (2017):

- Application for 3rd Party Billboard Sign on Erven 24622 & 24623, Maitland
- Application for 3rd party flat sign on Erf 10118, 50 Riebeeck St, Cape Town
- Application for 3rd Party Billboard on Erf 2849 Brackenfell High School

Traffic Management Plan - R21/2 in Gauteng – SANRAL - compile a Traffic Management Plan for the proposed closure of the national road R21 north and southbound between km 0.00 at the R562 Olifantsfontein interchange and km 12.8 at the M31 Nellmapius interchange for the maintenance of overhead power lines (2017).

Traffic Engineering Specialist Reports for Environmental Impact Assessments: Input to Various Environmental Impact Assessment (residential developments, solar, wind renewable energy plants, power stations, mines, industrial sites). These include Environmental Risk Impact Assessment from a traffic and transportation perspective (2016 to date).

- Paulputs CSP Project near Pofadder

- Farm Scuitdrift 426 near Augrabies, Northern Cape
- Noupoot CSP Northern Cape Desktop traffic study
- CCGT power plant in Richards Bay Traffic Scoping Report
- 100 MW Orkney Solar Farm, Northern Cape
- Castle (Mulilo) Tower Batching Plant near De Aar
- Mutso Coal Power Plant near Makhado in Limpopo Province
- Paulputs Wind Energy Farm near Pofadder
- Solar PV Plant in Wildebeestekuil in NorthWest Province
- Solar PV Plant in Leeuwbosch in North West Province
- Highlands Wind Energy Farm in Somerset East

Outdoor Advertising Signage Audit - Audit of 3rd party advertising signage encroachment in road reserve in Cape Town CBD, and key roads in Bellville, Parow Goodwood, Woodstock, Salt River and Sea Point (June 2015 – Dec 2015)

TIA for Prime Ministers Offices in Windhoek - Develop a PTV Transportation Model and compile Traffic Impact Statement (TIA) for the proposed Prime Minister office in Windhoek (Feb 2013 – April 2013)

The Nest Student Housing (570 beds) - Compile Traffic Impact Assessment Report for the proposed student residence (and commercial shops) on Erf 31993 in Rondebosch. (Feb 2014 – June 2014)

Campuskey Student Housing (536 beds) - Compile Traffic Impact Assessment Report for the proposed student residence in Rondebosch. (July 2016 – Sept 2016)

Rhodes Square Student Housing (600 beds) - Compile Traffic Impact Assessment Report for the proposed student residence (for various design proposals) on Erf 31990 in Mowbray and propose new traffic signal timing (Jan 2016 – May 2016)

Traffic Impact Assessment for PMR 189 / PMR 205 intersection in Paarl - Assessed Non-motorised Transport, Public Transport activity and conduct traffic counts and vehicle delay studies to determine warrants for traffic signal installation and compile TIA. (Feb 2016 – April 2016)

TIA and Traffic Eng Input to Netcare Hospital and Gym – June 2016 Provide traffic engineering input to building parking, access, ramps, etc. and compile Traffic Impact Assessment reports for the new Netcare Hospital (and Gym) located in the City of Cape Town. Assess City Precinct network trips and traffic impact and City precinct traffic signal upgrading requirements. (Jan 2014 – June 2016)

Traffic Impact Assessment for PMR 189 Paarl - Compile Traffic Impact Assessment evaluating various signalised and unsignalized intersection on PMR 189 in Paarl area in view of a substantially large Val da Vie residential development and other recently approved developments in the area. The TIA viewed collective development impact over an extended period of time, as requested by the WCG. (May 2017 - June 2017)

TIS Panorama Primary School in Riversdale – Compile Traffic Impact Statement (TIS) for redevelopment of school considering park, access, traffic and scholar safety on roads around the school (July 2017 to Sept 2017)

Jones Pre-School Somerset West - Compile TIS considering parking and traffic impact on traffic signals and access for development application for private pre-school (Sept 2017 – Nov 2017)

Wallacedene EHP incremental Development Area Housing - Compile TIS – Wallacedene EHP (Emergency Housing Project in Wallacedene) for 318 units (Jan 2018 - May 2018)

Drakenstein UISP Housing - Compile TIS and Traffic Engineering Services – Drakenstein Upgrade of Informal Settlements Programme (UISP) in Paarl for 654 units (May 2018 – Nov 2018)

TIS for Erf 2326 in Table View - Compile TIS considering scholar NMT safety, parking and traffic impact in area surrounding site and Table View Primary School in support of application for consent use for Early Childhood Development Centre. (March 2019 – May 2019)

TIA for Charlesville Residential Housing - Undertook traffic counts, intersection analysis, and compiled TIA. (Oct 2019 – Dec 2019)

TIS for rezoning Erf 5236 Strand - Compile TIS considering parking and traffic impact for rezoning application for mixed use in Urban Environment (Feb 2019 – March 2019)

Traffic Specialist Study for Environmental Impact Basic Assessment – Azalea Residential Flats on Erf 46 and Erf 47 in Bantry Bay - Compile Traffic Specialist Report as input to Basic Assessment for Environmental Impact Assessment application (July 2020 – Aug 2020)

Symphony Way UISP Housing Tender 201C/2016/17 - Symphony Way UISP (Upgrading Informal Settlement Programme) Housing in Philippi for 3000 units. Provide traffic engineering input to road planning and Site Development Framework, undertook Traffic counts, compile TIA considering traffic, propose traffic signal design and intersection upgrading for 7 intersections, consider NMT, public transport and road safety for the project. (Aug 2018 – Dec 2020)

Stage 6 Road Safety Appraisal – NMT Paul Roux - Road Safety Audit Team Leader - Conduct Road Safety Appraisal for the improvement of pedestrian facilities on National Route 5 Section 3 Paul Roux as input to the road design. (Nov 2020 – Jan 2021)

Traffic Impact Assessment for PMR 191 / Val de Vie Access Link Road intersection in Paarl - Assessed background traffic studies, determine appropriate growth factors, undertook intersection analysis for signals and traffic roundabout configurations for various horizon years, recommend intersection design. (Feb 2021)

Other

City of Cape Town Multi-Function Transport Management Centre (2011) - Development of a Facility Management Plan for the City of Cape Town Transport Management Centre. This included facility safety and security measures and protocols.

City of Cape Town Multi-Function Electricity Headquarters (2013) - Development of a Facility Management Plan for the City of Cape Town Electricity Headquarters. This included facility safety and security measures and protocols.

Traffic Impact Assessments and Traffic Impact Statements (2009 – date) - Commercial and Residential Developments, Schools, Gym, Hospital, Service Stations, Sand-mines, Housing developments. Many of these projects include traffic engineering and road safety aspects.

ACADEMIC QUALIFICATIONS

1989 National Higher Diploma (Civil Engineering), Cape Technikon, South Africa

PROFESSIONAL ASSOCIATIONS

Engineering Council of South Africa (ECSA) (Professional Engineer No. 200270171)
South African Institution for Civil Engineering (Member - 201500599)

LANGUAGE PROFICIENCY

	<u>Reading</u>	<u>Writing</u>	<u>Speaking</u>
English	Excellent	Excellent	Fluent

Mr SM Fautley
 Name of Expert


 Signature

05/03/2021
 Date