



APPLICATION FOR AN ELECTRICITY GENERATION LICENCE IN
TERMS OF THE ELECTRICITY REGULATION ACT, 2006 (ACT NO.
4 OF 2006).

Please return completed form to:

HOD: Electricity Licensing and Compliance
National Energy Regulator of South Africa
Kulawula House, 526 Vermeulen Street
Arcadia, 0083
Pretoria

Or:

HOD: Electricity Licensing and Compliance
National Energy Regulator of South Africa
P.O. Box 40343
Arcadia
0007
Tel (012) 401 - 4600
Fax (012) 401 - 4700

SECTION A PARTICULARS OF APPLICANT

A1 Full name of applicant (business name) and business registration number

Karpowership SA Coega (RF) Proprietary Limited
Reg. No: 2020/754336/07

A2 Address of applicant, or in the case of a body corporate, the registered head office

Physical address

164 Totius Street
Groenkloef, Pretoria

Postal address

Same as above

A3 Telephone number of applicant

As below

A4 Fax number of applicant

N/A

A5 Email address of applicant

Baris.Alimgil@karpowership.com

A6 Contact person

First name Kishoor

Surname Pitamber

Telephone No 011 682 2032

Mobile No 083 262 1473

Fax No. 011 432 6115

Email address kishoor@siriseng.co.za

A7 Legal form of applicant

Company. The applicant is a private limited liability company

- **Applicant:**

Applicant	Registration Number
Karpowership SA Coega Proprietary (RF) Limited	2020//754336/07

- **Current Directors of Applicant:**


Name	ID/Reg Number
HAREZI YILMAZ, ZEYNEP	Redacted
KARADENIZ, ORHAN REMZI	Redacted
KATMER, MEHMET	Redacted
SECHABA NOTSI MAFA MOLETSANE	Redacted
NARISSA RAMDHANI	Redacted

Note to Section A

- 1) State whether the applicant is a local government body, a juristic person established in terms of an act of parliament, a department of state, a company or other legal body.
- 2) If the applicant is a local government body, attach a copy of the proclamation establishing such body. Where the applicant is a company, the full names of the current directors and the company registration number are required.
- 3) Executive summary

KARPOWERSHIP AT A GLANCE



- **Global** - diversified - high growth **unique** power generation enterprise
 - Based on **Powerships** and floating **LNG assets**
 - **Emerging to developed** markets, **long term** IPP projects or short to medium term bridge gap solutions (base load, peak shaving, mid-merit)
 - 2,700 employees from 21 different countries
- 
- 10,000+ jobs created around the world
 - Project sizes from **small** (30MW) to **utility scale** (3,000MW)
 - One stop shop: In-house **Design, EPC, O&M, Development** and **Investment** capabilities (own shipyard, strong balance sheet and human resources)
 - Delivering **innovative** and flexible technical, contractual and financial solutions for **fast track implementation**
 - **Eliminating** completion and construction related **risks** and **re-deployment flexibility** securing sustainable economics over the long lifetime of the assets
 - **Turn-key** solutions covering the entire value chain, fuel supply to power generation
 - **Improving environmental baseline**, utilizing state-of-the-art **technologies** and delivering a tangible instrument of change for migration to cleaner fuels
 - Embracing all international HSE regulations and **global best practices**
 - **Power for people**: Local integration, energizing local communities and economies

A UNIQUE PROPOSITION

- A Powership is a **floating power plant**, either self propelled or barge mounted
- Karpowership owns and operates the world's first **integrated floating LNG to Power fleet**
- Powerships:
 - delivered in **3 – 6 months** ready to operate
 - deliver the **most competitive cost of electricity**
- **30 completed Powerships** with an installed capacity exceeding **5000 MW**
- **4000 MW in the construction pipeline** with capacities ranging between **30 – 620 MW**

PROJECT LOCATIONS



Coega (Port Elizabeth)
 450 MW
 1xKhan class Powership
 1xShark class Powership
 1xFSRU

Richards Bay
 450 MW
 1xKhan class Powership
 1xShark class Powership
 1xFSRU

Saldanha Bay
 320 MW
 1xKhan class Powership
 1xFSRU



SECTION B COMMENCEMENT DATE OF LICENCE

B1 Desired date from which the licence (if granted) is to take effect

31 August 2022

Note to Section B

4) The normal processing time for a licence application is 120 days once all relevant information has been provided and there are no objections received.

- **Please refer to Section K (Additional Information) to this form.**

5) If the applicant intends operating more than one generation station under the proposed licence, please complete separate application forms for each generation station.

SECTION C PARTICULARS OF PROPOSED GENERATION STATION

C1 Name of generation station

Karpowership Coega

C2 Geographical location of generation station (please attach maps) and GPS coordinates (x⁰xx'xxx" S, y⁰yy'yyy" E)

33°47'48.7 S, 25°41'24.5 E

C3 Address of generation station

Port of Ngqura

C4 Contact person at generation station

First name and Surname Kishoor Pitamber

Telephone No 011 682 2032

Mobile No 083 262 1473

Fax No 011 432 6115

Email address kishoor@siriseng.co.za

C5 Type of generation station (thermal, nuclear, hydro, pumped storage, gas turbine, diesel generator or other) (Please specify)

Natural gas fuelled Combined Cycle (Heat Recovery Steam Turbine) Thermal Generation

C6 Expected commissioning date for a proposed generation station or at which the station was commissioned (if an existing station). Also state construction period required if applicable.

31 August 2022

- C7 The installed capacity (existing and/or planned) of each unit within the generation station (MW)

Existing Capacity (Nameplate rating)

Not applicable

Planned Capacity (nameplate rating)

488 MW (18.32 MW x 25 Gas Engine + 2 x 15 MW STG)

The contract capacity for the Coega Project is 450 MW. The generating station that will be utilized to supply the contracted capacity is planned to have a higher installed capacity. The configuration of the generating facility is planned to be 25 x 18.32 MW gas engines + 2 x 15 MW heat recovery steam turbines.

The total planned installed capacity is 488 MW. Having excess capacity will ensure high availability, high reliability and security of supply via the built-in redundancy. It will also improve the generating station's capability for ancillary services such as voltage and frequency regulation even when the station is operating at its maximum contracted capacity.

Powerships utilize modular internal combustion engine technology which provides industry leading dispatch flexibility and ancillary service capability; thus, also providing the most efficient solution for lower dispatch levels / load factors – increasing flexibility.

Because of ease of integration , we are using our Powerships from our fleet which are ready to deploy. Powership designs are unique and standardized. Even we have the excess capacity, our affordable pricing strategy drove economies of scale to achieve one of the lowest priced project under RMIPPPP.

- C8 Maximum generation capacity (MW) expected to be available from the generation station and energy to be produced (MWh) over the next 5years of operation. These estimates should be based on modelling of how the power station will fit into the demand profile of its customers, taking into account the least cost energy purchase consideration and demand management options of customers.

YEAR	Max MW	Total MWh	Own use MWh	Export (Sales) MWh
2022	450	1,326,647	32,357	1,294,290
2023	450	3,975,901	96,973	3,878,928
2024	450	3,976,837	96,996	3,879,841
2025	450			3,857,247

		3,953,678	96,431	
2026	450	3,943,577	96,185	3,847,392

C9 Estimate of the energy conversion efficiency of the generation station/ Capacity factor where applicable.

9160 MJ/MWh ; estimate of conversion efficiency: 43.6%

C10 Expected future life of the generation station.

25 Years

SECTION D PARTICULARS OF LONG-TERM ARRANGEMENTS WITH PRIMARY ENERGY SUPPLIERS

D1 Name of primary energy supplier/s (mining house, colliery or other fuel supplier) if applicable

- Response redacted

D2 Particulars of the contractual arrangements with primary energy supplier if applicable

- **Contractual Arrangement: -**

Response redacted

Notes to Section D

6) Please provide brief particulars of any long term agreements entered into with fuel suppliers and copies of such contracts (Signed Fuel Supply Agreements).

- **Particulars of Fuel Supply Arrangements**

Response redacted

SECTION E MAINTENANCE PROGRAMMES AND DECOMMISSIONING COSTS

E1 Details of any proposed major maintenance programmes, including the expected cost and duration thereof, covering the next six years. Project proposals to state the expected availability, planned outage rate and forced outage rate of the plant over the first five years of operation.

- Response redacted

See Item 7 in the Support Documents - Table of Contents (redacted)

E2 Details of any major decommissioning costs expected during the life span of the power station and provided for in the project feasibility study.

E3 Details of major generation station expansion and modifications planned for in the feasibility study (Dates, Costs in Rands (state year) and description)

Response redacted

SECTION F CUSTOMER PROFILE

- F1 Particulars of the person or persons to whom the applicant is providing or intends to provide electricity from the generation station

Response redacted

- F2 Network connection details (connection points, voltages, wheeling arrangement, single line diagram)

- Response redacted

Attachment: See Item 4 in the Support Documents - Table of Contents (Redacted)

- **Attachment:** See Item 5 in the Support Documents - Table of Contents. (Redacted)

- F3 Provide summary details of Power Purchase Agreements with customer including purchasing price etc. (Please attach Power Purchase Agreements).

- **Summary of Power Purchase Agreement: -**

Response redacted

Attachments:

See Item 4 in the Support Documents - Table of Contents. (Redacted)

Attached as Annexure A of the Supplementary Annexure Bundle is the returnable schedules submitted as part of the applicant's bid response containing the information that will be used to populated the schedules to the Power Purchase Agreement. (Redacted)

Notes to Section F

- 1) For example, supply to ESKOM or supply to local government distribution system. Please include the details of power purchase agreements entered into and the price structure of the contract.

Key Terms of the Power Purchase Agreement and tariff structure

- Response redacted

SECTION G FINANCIAL INFORMATION

G1 Submit projections of and current statements of the accounts in respect of the undertaking carried on by the applicant, showing the financial state of affairs of the most recent period, together with copies of the latest audited annual accounts where such have been prepared.

- **Response redacted**

G2 Submit annual forecasts for the next five years of costs, sales and revenues generated by the project, stating the assumptions underlying the figures.

- **Response redacted**

- **Attachment:** See Item 7 in the Support Documents - Table of Contents (Redacted)

G3 Estimates of net annual cash flows for subsequent periods (5 years; 10 years; 15 years) sufficient to demonstrate the financial security and feasibility of operating the generation station.

- Redacted

- **Attachment:** See Item 7 in the Support Documents - Table of Contents (Redacted)

G4 Project financing: Who will finance the project, how is funding split between debt and equity, and what is the terms and conditions of the funding agreements.

Response redacted

In addition, also fill in table below:

Total capital cost of the project (including IDC)	
Interest During Construction (IDC)	
Post tax real IRR (for the whole project)	Redacted
Nominal IRR after Tax (for the whole project)	
Debt/Equity Ratio	
Payback period	

Notes to Section G

- 2) The financial projections should be based on a production plan for the generation station and the revenue generated by participating in the electricity market and by bilateral contracts

(Power Purchase Agreements) with customers. Reference to the latest version of National Integrated Resource Plan (IRP) is required to demonstrate that the proposed power purchase agreement is the least cost solution available to the electricity purchaser.

Response redacted

SECTION H HUMAN RESOURCES INFORMATION

H1 Response redacted

1. What is the skill level for working on the project?

Response redacted

2. Training and Powership Academy

Response redacted

- 3. What types of jobs will be available during construction and then during operations for the local immediate community?**

Response redacted

Attachment: See Item 8 in the Support Documents - Table of Contents. **(Redacted)**

SECTION I PERMISSION FROM OTHER GOVERNMENT DEPARTMENTS OR REGULATORY AUTHORITIES

- I1 What progress has been made to obtain the required permits and approvals for the generation project? Please provide copies of permits issued by the relevant environmental and safety agencies in respect of the operation of the generation station.

OVERVIEW OF ENGAGEMENTS WITH GOVERNMENT AND REGULATORS

Engagements are underway with all key stakeholders.

Most processes and approvals required for fulfilling the PB PD Undertakings are in progress and on schedule:

- ☐ Environmental Approval (EA) applications submitted on the 26th April 21
- ☐ NERSA applications submitted including Generation and Distribution licenses
- ☐ Eskom Budget Quote applications submitted, and fees paid
- ☐ Engagements commenced with SARS
- ☐ Independent Engineer candidates submitted awaiting approval from IPP Office
- ☐ Ring fenced project companies established
- ☐ Transmission lines approved in principle subject to conclusion of land consents
- ☐ Water use, permitting and licensing ongoing
- ☐ Discussions with lenders and lender advisors underway
- ☐ All gas license applications have been submitted
- ☐ Shared port infrastructure - discussions with Total are ongoing

LICENCES AND APPROVALS

- The Applicant has commenced discussions with the TNPA regarding the relevant authorisations required to be obtained in respect of the National Ports Act. A copy of the agreement will be provided to NERSA once concluded.
- The Applicant has submitted and/or is in the process of submitting the relevant licence applications required pursuant to the Gas Act in order to construct and operate the gas pipeline between the FSRU and the powership(s).
- The fuel supplier has submitted and/or is in the process of submitting the relevant licence applications to NERSA in order to operate the regasification unit and the storage tanks on the FSRU and the trade gas.

ENVIRONMENTAL AND SAFETY PERMITS

Attachments: See Item 9 in the Support Documents - Table of Contents.

NEMA: Environmental Authorisation & EMPr

The Scoping and EIA is required in terms of the environmental authorisation. The Scoping Phase was undertaken during 2020 and the Scoping and Plan of Study approved by DEFF on 06 January 2021. The EIA Phase commenced thereafter and the Public Participation Process for the Draft EIAR

closed on 31 March 2021. The final EIAR and EMPr are planned to be submitted on 21 April 2021. DEFF to issue a decision within 57 days. Please refer to attached approved Scoping and Plan of Study and I&AP Notice for EIA Phase.

Waste Management Licence:

No Waste Management License is required. Please refer to attached independent Legal Opinion.

Integrated Water Use Licence:

An Integrated Water Use Licence was applied for in November 2020. The online application was completed and all documentation uploaded apart from the Public Participation Comments and Responses Report as the Public Participation is currently in process. Once completed, the full application is evaluated by DWS. Please refer to attached proof of submission of application to DWS.

GN R704:

GN R704 is not applicable.

Approvals in terms of sections 6 and or 7 of the Water Services Act, 108 of 1997:

Water Services Act, 108 of 1997 is not applicable.

Provisional atmospheric emission licence, in terms of the NEMAQA:

The Public Participation Process was completed as part of the EIAR process. The online SAAELIP was submitted in March 2021. The draft Air Emissions Impact Report was updated following the Public Participation Process. Awaiting the decision from DEFF: Air Quality. Please refer to attached proof of submission.

Biodiversity and or conservation permits, in terms of the NEMBA:

Site walkover of the preferred the potential alignments will be conducted in early April 2021 and the permits will be compiled for submission.

Biodiversity off-set programme:

No biodiversity off-set programme is required.

Protected tree licences, in terms of the NFA:

Site walkover of the preferred the potential alignments will be conducted in early April 2021 and the permits will be compiled for submission.

Biodiversity and or conservation permits, in terms of the CARA:

Site walkover of the preferred the potential alignments will be conducted in early April 2021 and the permits will be compiled for submission.

Biodiversity and or conservation permits, in terms of other applicable provincial laws:

Site walkover of the preferred the potential alignments will be conducted in early April 2021 and the permits will be compiled for submission.

Heritage approvals in terms of the NHRA/other applicable provincial laws, and if applicable, Phase II mitigation permits and other heritage approvals:

Heritage Impact Assessments were concluded for the terrestrial and underwater environments. No heritage aspects were identified and no permits are currently required. Maritime and Underwater Cultural Heritage (MUCH) Unit have considered that the possibility of any impact on maritime heritage resources to be low due to the extensive development of the area in previous years. Comments were received from AMAFA. It was indicated that the laydown area for the pipeline must be surveyed for heritage resources prior to the laying of the pipeline. Should the survey data reveal any resources of interest, input on mitigation of impacts to such resources must be sought from a suitably qualified specialist. The South African Heritage Resources Agency (SAHRA) also advised that there is still a chance that historic remains could be uncovered during the works. In this case all works must cease and may not commence until SAHRA has been contacted to advise the way forward. While the possibility of encountering maritime heritage to be low, mitigation measures must be adhered to. Please refer to attached AMAFA comments.

Dam safety licence and registration certificates in terms of the NWA (or the equivalent thereof as required by former water laws, including registration for waste water treatment works):

Not applicable.

Coastal Water Discharge Permit in terms of NEM:ICMA:

A letter was submitted to DEFF to clarify the applicability. DEFF confirmed a Coastal Water Discharge Permit is not applicable. Please refer to attached.

Written Approval from the South African Civil Aviation Authority for consent in terms of the Civil Aviation Act, 2009 to erect a potential obstacle to aviation

Application was made to CAA in November 2020. The CAA representative indicated that the application is currently processed. Written consent is imminent.

MUNICIPAL CONSENTS:

Controlled Emitters in terms of the NEMAQA:

Applications are currently being compiled for submission to the Local Authority – Nelson Mandela Bay Metropolitan Municipality.

The Fire Safety By-Law, 2007 & Permit for permanent or temporary above-ground storage tank for a flammable liquid

The Fire Chief was identified and engagement to follow this week to finalise applications.

Permits, certificates and notifications in terms of the Occupational Health and Safety Act, 1993, including registration with the local authority as a major hazard installation in terms of the Major Hazard Installation Regulations, 2001

The Fire Chief was identified and engagement to follow this week to finalise applications.

Operation of an offshore installation: Pollution safety certificate (MPA)

After consultation with SAMSA, SAMSA to review the Regulations and the applicability to be confirmed given the uniqueness of the project.

SECTION J BROAD-BASED BLACK ECONOMIC EMPOWERMENT

J1 Please provide information in terms of the following categories:

Response redacted

t

Attachments: See Items 10 - 15 in the Support Documents - Table of Contents (redacted) .

SECTION K ADDITIONAL INFORMATION

Provide any other relevant information related to this application

Additional Information:

REDACTED

SECTION L DECLARATION

On behalf of the applicant, I hereby declare that:

- (a) the applicant shall at all times comply in every respect with the conditions attached to any licence that may be granted to the applicant;
- (b) the applicant shall at all times comply with lawful directions of the National Energy Regulator of South Africa;
- (c) the information provided by me on behalf of the applicant is accurate and complete in all respects; and
- (d) I am authorised to make this declaration on behalf of the applicant.

Signed:



Full name(s) of Signator(y/ies):

MEHMET KATMER	
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Position held (if the applicant is a company, co-operative, partnership, unincorporated association or any other body corporate):

DIRECTOR	
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Date:

28.05.2021

**APPLICATION FOR AN ELECTRICITY GENERATION LICENCE IN TERMS OF THE
ELECTRICITY REGULATION ACT, 2006 (ACT NO. 4 OF 2006)**

Applicant:

Karpowership SA Coega (RF) Proprietary Limited

TABLE OF CONTENTS:

SUPPORTING DOCUMENTS - KARPOWERSHIP COEGA

	TABLE OF CONTENTS
ITEM	DESCRIPTION
1.	Section C - Coega (Saltpan) 132kV Switching Station Rev7
2.	Section D – KPS RSA Gas supply agreement Term Sheet - redacted
3.	Section F – Connection Agreement PROFORMA 24.11.2020 redacted
4.	Section F - RMIPP RFP - Power Purchase Agreement redacted
5.	Section F CEL - Coega Powership 450MW 25 Nov 2020 redacted
6.	Section F Coega Powership Single Line Diagram
7.	Section G Annex - I - Coega - redacted
8.	Section H – Job Creation Table Operating Measurement Period redacted
9.	<u>Section I – Environmental and safety permit documents</u>
	Approved Scoping Plan of Study- Coega
	Coastal Discharge Permit Feedback
	Coega WULA - Phase 1 Submitted
	DEFF Comments of EIA Phase
	DWS Acknowledgement of Receipt
	Proof of Acceptance of Scoping Phase and Submission of EIA Phase to IAPs...
	SAHARA Comment
10.	Section J - Coega Ownership Bid Response redacted
11.	Section J - Coega Skills Development Plan redacted

12.	Section J - Coega Management Control Bid Response redacted
13.	Section J - Coega 5.3.3.6.6 V5P3C4.6.3.1 Supplier Development Plan redacted
14.	Section J - Coega 5.3.3.6.9 V5P3C4.6.4.1 Enterprise Development Plan redacted
15.	Section J – BBBEE Appendices - Coega redacted
16.	Section K – Letter of Appointment redacted
17.	SIP 20a Preferred Bidder Karpowership - SIP Status RMIPPPP 29032021

Further redacted annexures

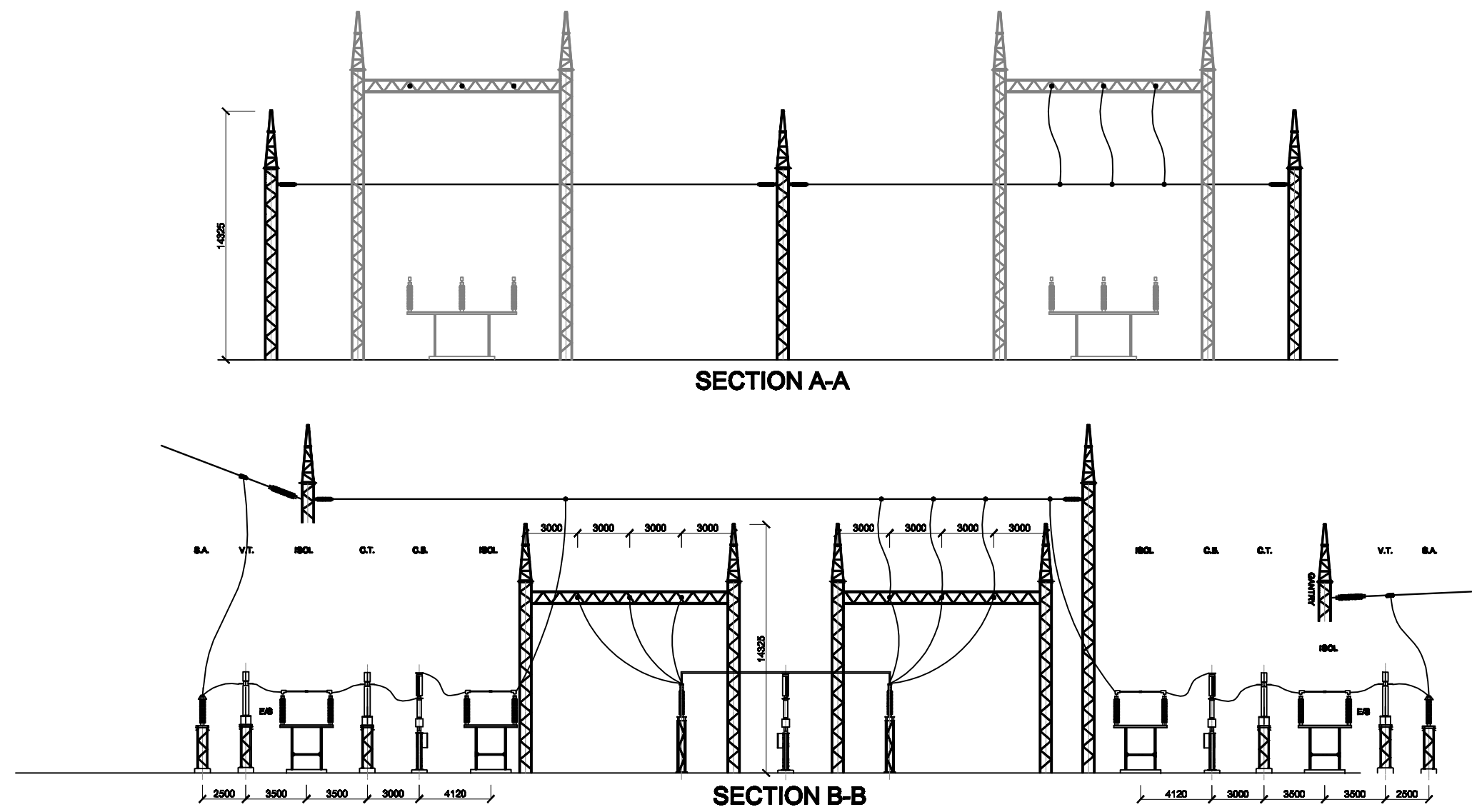
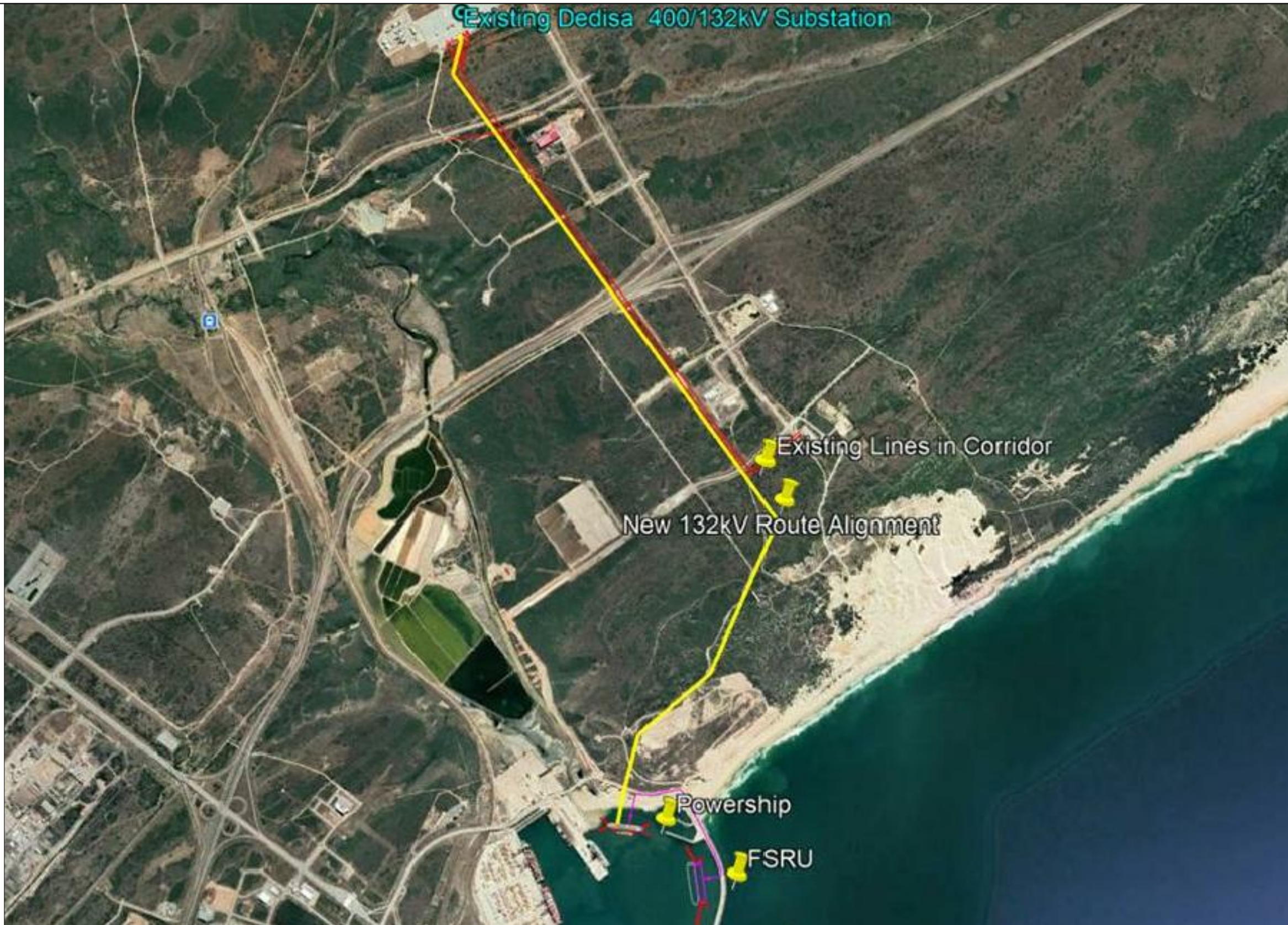
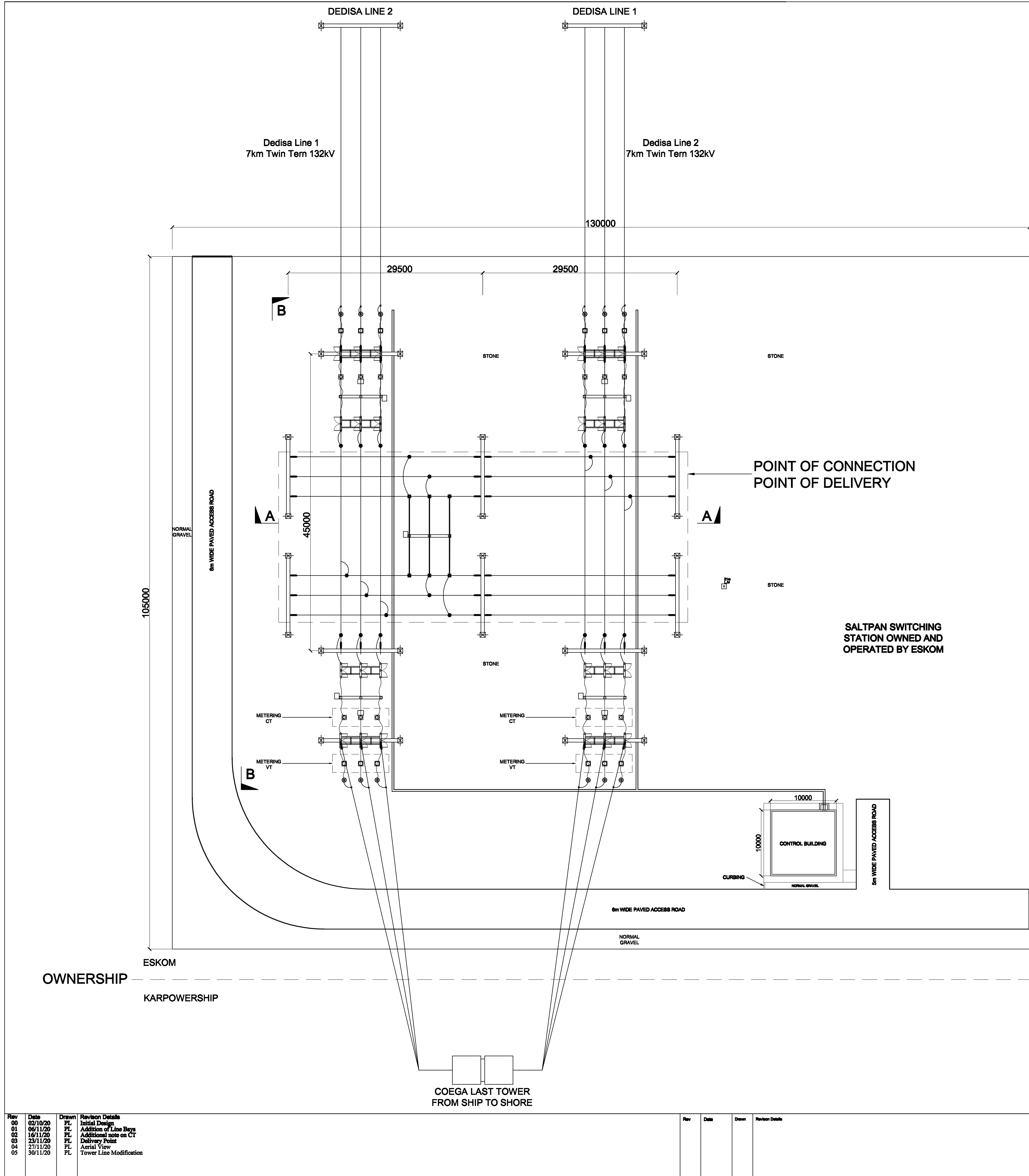
Section F

The tender returnable schedules (Volume 6 – PPA and IA Tables) that formed part of the Applicant's bid submission to be awarded preferred bidder status and which have been submitted as part of Section F of the application form

Section G

Financial model

Financial model audit opinion

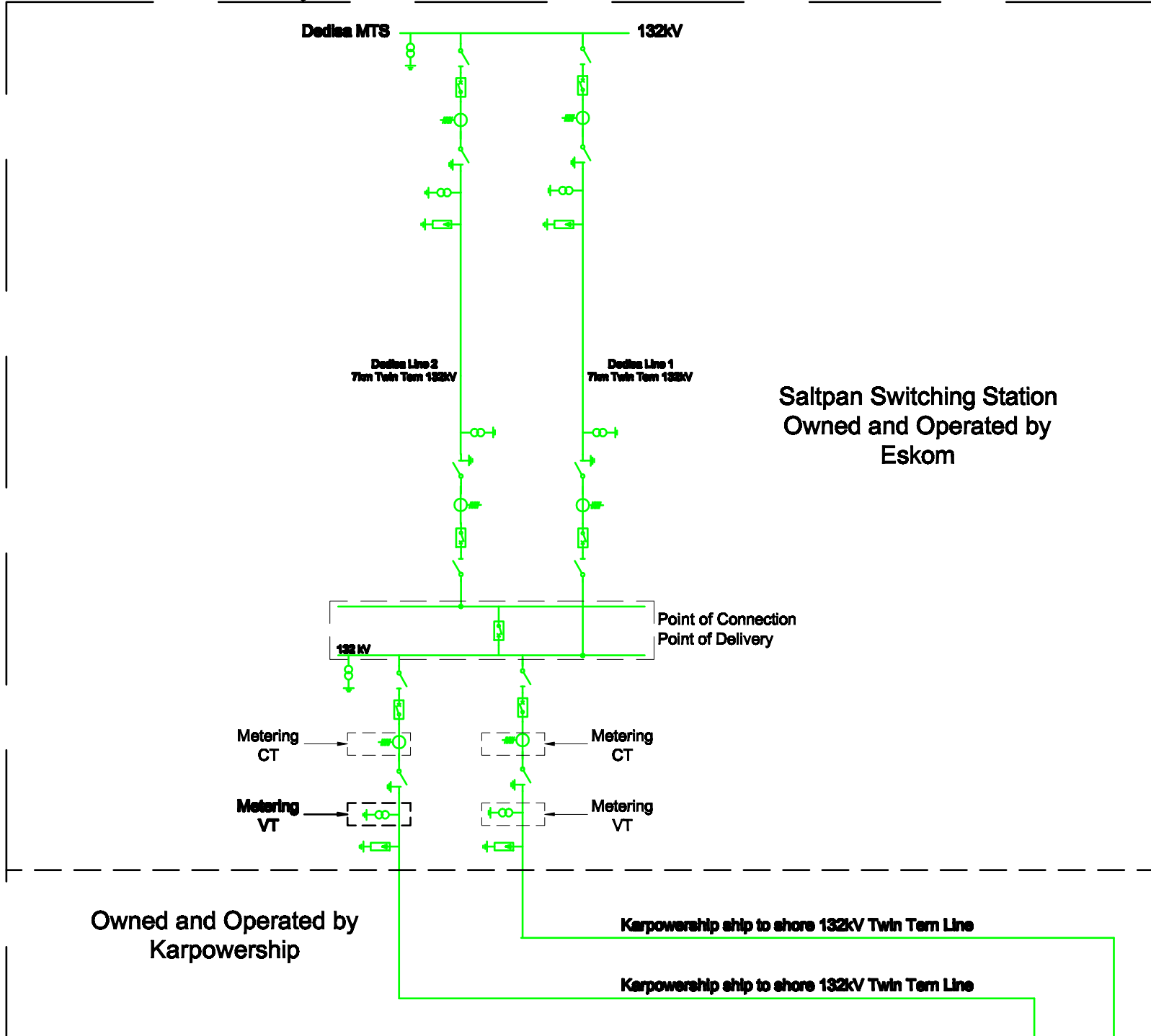


Client: POWERSHIP 164 Totius Street Groenkloof Pretoria	
Site:	COEGA
Drawing Title: COEGA (SALTPAN) 132kV SWITCHING STATION	
Siris Engineering (Pty) Ltd Bassonia Office Park Cussonia Drive Bassonia Tel: (011) 682 1971 Fax: (011) 432 6115	
Drawn By: P Lekgari	Checked By: V Chinniah
Approved By: K Pitamber	Scale: 1:300
Date: 30/11/2020	Size: A1
Drawing No: SE-PWS-STR-CGSW-0001-05	Revision: 05

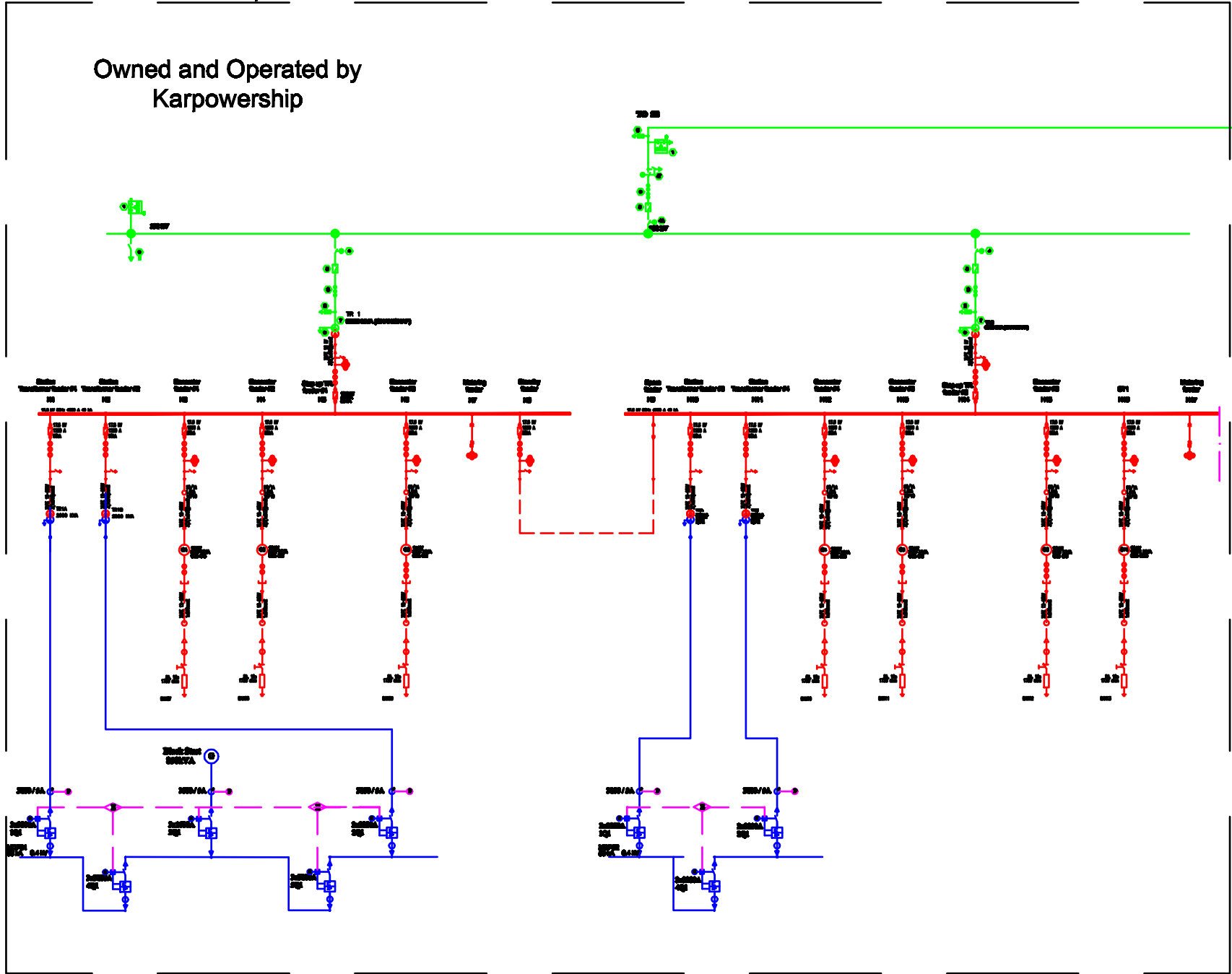
Rev	Date	Drawn	Revision Details
00	02/10/20	FL	Initial Design
01	09/11/20	FL	Addition of Line Boys
02	16/11/20	FL	Additional note on CT
03	23/11/20	FL	Delivery Point
04	27/11/20	FL	Aerial View
05	30/11/20	FL	Tower Line Modification

Rev	Date	Drawn	Revision Details

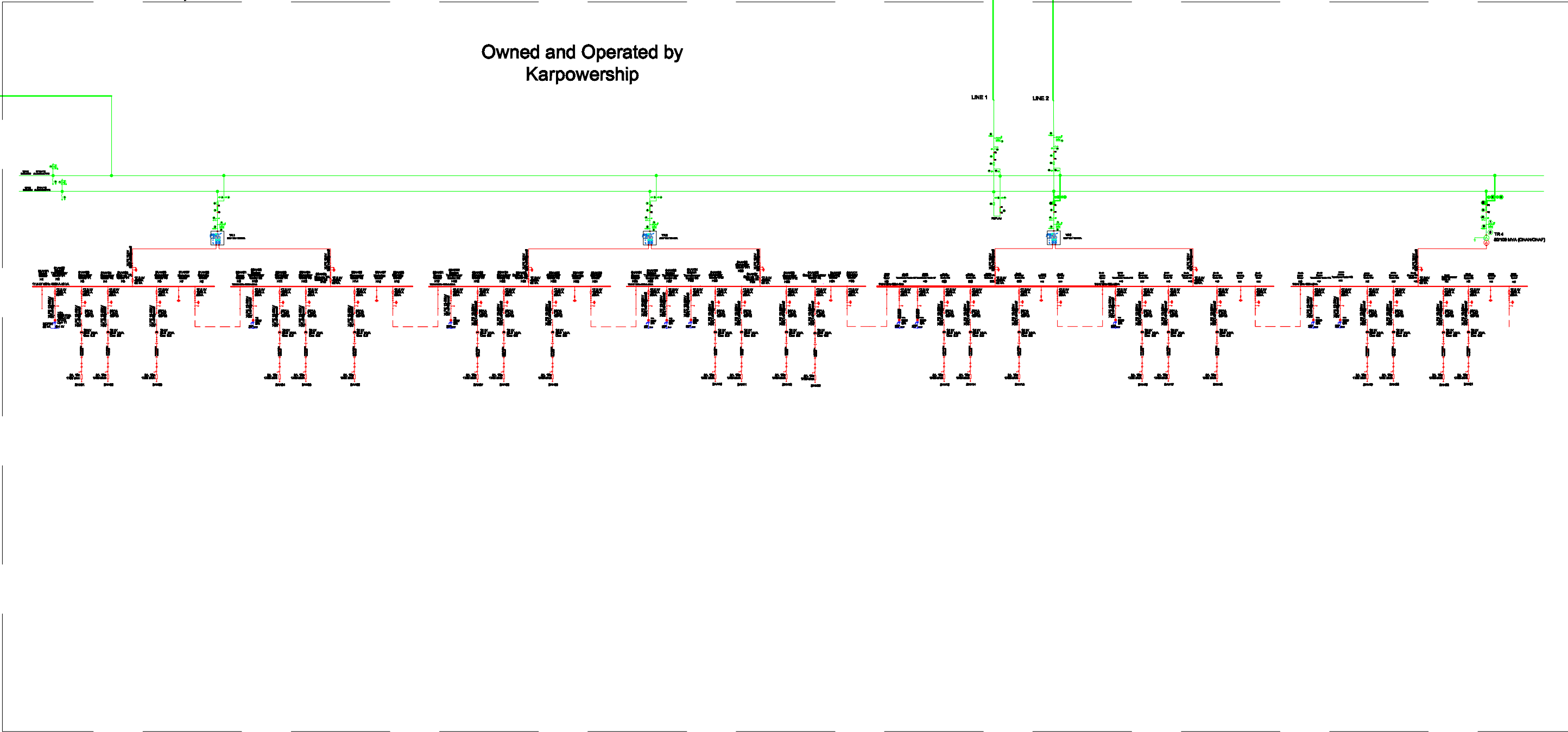
On Shore Grid Connectivity



Shark Class Powership



Khan Class Powership



CONDUCTORS

- I 2 X 954 MCM ACSR Conductors
- II 114/10 mm Aluminium Boru. Bus Pipes
- III 7 0/ 5 mm Aluminium Boru. Bus Pipes

132 kV EQUIPMENT LIST

Symbol	Qty.	Equipment Name	Characteristics	Manufac.	Type.
1	24	Voltage Transformer	132V/√3 / 0.1V/√3 / 0.1V/√3 / 0.1V/√3 / 0.1/3 31.5kA 4500 pF Srt 0.2+0.2+3P+3P 10+10+30+30VA (Insulators will be 170 kV)	Emek	KGT-170
3	12	Current Transformer	170 kV 800-1000-1200/5-5-5 A 31.5kA 25mmkV Srt:0.2aFs5+0.2aFs5+5P20+5P20 15+15+30+30VA	Emek	AT-170
3A	6	Current Transformer	170 kV 2200-2600-2800-3150/5-5-5 A 31.5kA 25 mmkV Srt:0.2aFs5+0.2aFs5+5P20+5P20 15+15+30+30VA	Emek	AT-170
3C	3	Current Transformer	170 kV 1500-3150/5-5-5 A 31.5kA 25 mmkV Srt:0.5aFs5+5P20+20 10+30+30 VA	Emek	AT-170
4	8	Normaldisconnecting switches	170 kV 2500 A, 31,5 kA 3s 25 mmkV	Göral	QSD-2500
4T	4	disconnecting switches (with earth blade)	170 kV 2500 A, 31,5 kA 3s 25 mmkV	Göral	QDS-2500
7B	2	Earthing switches	170 kV 31,5 kA 3s 25 mmkV	Göral	EF-170
4A	6	Normaldisconnecting switches	170 kV 3150 A, 31,5 kA 3s 25 mmkV	Göral	
5	4	Circuit Breaker (Without Autoreclosing)	170 kV 2000 A, 31,5 kA 3s	Siemens	3AP1 F8
5A	3	Circuit Breaker (Without Autoreclosing)	170 kV 3150 A, 31,5 kA 3s	Siemens	3AP1 F8
6	18	Lightning Arrester	144 kV 10 kA ZnO	Siemens	
7	3	Power Transformer	200 / 100 / 100 MVA 121±12X1,25 -154±12X1,25 % /15-15 kV YNd11d11 ONAN / ONAF / OFAF		
8	14		170 kV C4 750	Ç.Seramik	KS-0024
9	1	Power Transformer	100 MVA 121±12X1,25 -154±12X1,25 % /15 kV YNd11 ONAN / ONAF		

CONDUCTORS

- I 2 X 954 MCM ACSR Conductors
- II 1 X 954 MCM ACSR Conductors
- III 96 mm² Earth wire conductors

EQUIPMENT LIST

Symbol	Qty.	Equipment Name	Characteristics	Manufac.	Type.
1	6	Voltage Transformer	132V/√3 / 0.1V/√3 / 0.1V/√3 / 0.1V/√3 / 0.1/3 31.5kA 4500 pF Srt 0.2+0.2+3P+3P 10+10+30+30VA (Insulators will be 170 kV)		
3	6	Current Transformer	170 kV 100-200-400/5-5-5 A 31.5kA Srt:0.2aFs5+0.2aFs5+5P20+5P20 15+30+30VA		
3A	3	Current Transformer	170 kV 400-800-1200-1600/5-5-5 A 31.5kA Srt:0.2aFs5+0.2aFs5+5P20+5P20 15+15+30+30VA		
4	2	Sealdisconnecting switches	170 kV 1250 A, 31,5 kA 3s		
4A	1	Sealdisconnecting switches	170 kV 2000 A, 31,5 kA 3s		
4T	1	disconnecting switches (with earth blade)	170 kV 2000 A, 31,5 kA 3s		
7B	1	Earthing switches	170 kV 31,5 kA 3s		
5	3	Circuit Breaker (Without Autoreclosing)	170 kV 2000 A, 31,5 kA 3s		
6	9	Lightning Arrester	120 kV 10 kA ZnO		
7	2	Power Transformer	60 / 60 MVA 121±12X1,25 -154±12X1,25 % /15 kV YNd11		

KARPOWERSHIP

KARES

Design/Tasarım

Drawn By / Çizim	Murat AYVAZ	Date / Tarih	21.08.2020
Prepared By/Hazırlayan	Murat AYVAZ	Date / Tarih	21.08.2020
Checked By/Kontrol	Murat AYVAZ	Date / Tarih	21.08.2020

Drawing Name / Çizim Adı :

COEGA
SINGLE LINE DIAGRAM

Drawing No / Çizim No	Revision/Sürüm	Sheet No/Sayfa No.	Scale/Ölçek	Size/Boyut
KPS 16-CGA-PLN-001	3	1 OF	N.T.S	A1



environment, forestry & fisheries

Department:
Environment, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

Private Bag X 447· PRETORIA 0001· Environment House 473 Steve Biko Road, Arcadia· PRETORIA

DEFF Reference: 14/12/16/3/3/2/2005

Enquiries: Ms Thabile Sangweni

Telephone: (012) 399 9409 E-mail: TSangweni@environment.gov.za

Ms Aletta Plomp
Triplo4 Sustainable Solutions
PO Box 6595
ZIMBALI
4418

Telephone Number: (032) 946 3213
Email Address: hantie@triplo4.com

PER E-MAIL / MAIL

Dear Ms Plomp

ACCEPTANCE OF THE SCOPING REPORT FOR THE PROPOSED GAS TO POWER POWERSHIP PROJECT AT THE PORT OF NGQURA WITHIN THE COEGA SEZ IN THE NELSON MANDELA BAY METROPOLITAN MUNICIPALITY IN THE EASTERN CAPE PROVINCE

The final Scoping Report (SR) and the Plan of Study for Environmental Impact Assessment dated November 2020 and received by the Department on 17 November 2020, refer.

The Department has evaluated the submitted final SR and the Plan of Study for Environmental Impact Assessment dated November 2020 and is satisfied that the documents comply with the minimum requirements of the Environmental Impact Assessment (EIA) Regulations, 2014, as amended. The final SR is hereby accepted by the Department in terms of Regulation 22(1)(a) of the EIA Regulations, 2014, as amended.

You may proceed with the environmental impact assessment process in accordance with the tasks contemplated in the Plan of Study for Environmental Impact Assessment as required in terms of the EIA Regulations, 2014, as amended.

In addition, the following are required for the EIAr:

(a) Listed Activities

- (i) Please ensure that all relevant listed activities are applied for, are specific and that it can be linked to the development activity or infrastructure as described in the project description.
- (ii) If the activities applied for in the application form differ from those mentioned in the final SR, an amended application form must be submitted. Please note that the Department's application form template has been amended and can be downloaded from the following link <https://www.environment.gov.za/documents/forms>.
- (iii) The EIAr must provide an assessment of the impacts and mitigation measures for each of the listed activities applied for.

~~SA~~

(b) Public Participation

- (i) Please ensure that comments from all relevant stakeholders are submitted to the Department with the EIAr. This includes but is not limited to the Eastern Cape Department of Economic Development, Environmental Affairs and Tourism, the provincial Department of Agriculture, the Provincial Department of Transport, the local and district Municipality, the Department of Water and Sanitation (DWS), the South African Heritage Resources Agency (SAHRA), the Department of Rural Development and Land Reform (DRDLR), and the Department of Environment, Forestry and Fisheries: Climate Change; Oceans and Coast, Biodiversity and Protected Areas Directorates.
- (ii) Please ensure that all issues raised and comments received during the circulation of the draft SR from registered I&APs and organs of state (including this Department's Climate Change; Oceans and Coast, Biodiversity and Protected Areas Directorates), which have jurisdiction in respect of the proposed activity are adequately addressed in the EIAr.
- (iii) Proof of correspondence with the various stakeholders must be included in the draft EIAr. Should you be unable to obtain comments, proof should be submitted to the Department of the attempts that were made to obtain comments.
- (iv) The Public Participation Process must be conducted in terms of Regulation 39, 40 41, 42, 43 & 44 of the EIA Regulations 2014, as amended.
- (v) The EIAr must provide evidence that all identified and relevant competent authorities have been given an opportunity to comment on the proposed development particularly, the Eastern Cape Department of Economic Development, Environmental Affairs and Tourism, and the District and Local Municipalities.
- (vi) A Comments and Response trail report (C&R) must be submitted with the final EIAr. The C&R report must incorporate all comments for this development. The C&R report must be a separate document from the main report and the format must be in the table format as indicated in Appendix 1 of this letter. Please refrain from summarising comments made by I&APs. All comments from I&APs must be copied verbatim and responded to clearly. Please note that a response such as "noted" is not regarded as an adequate response to I&APs' comments.

(c) Layout & Sensitivity Maps

- (i) The EIAr must provide coordinate points for the proposed development site (note that if the site has numerous bend points, at each bend point coordinates must be provided) as well as the start, middle and end point of all linear activities.
- (ii) Please provide a layout map which indicates the following:
 - a) Positions of the power island, steam turbine and generator, fuel storage tanks, water storage reservoir and tanks, water and gas supply pipelines;
 - b) Permanent laydown area footprint;
 - c) All supporting onsite infrastructure e.g. roads (existing and proposed);
 - d) Substation(s) and/or transformer(s) sites including their entire footprint;
 - e) Connection routes (including pylon positions) to the distribution/transmission network; and
 - f) All existing infrastructure on the site.
- (iii) Please provide an environmental sensitivity map which indicates the following:
 - a) The location of sensitive environmental features on site e.g. Marine Protected Areas, CBAs, heritage sites, wetlands, drainage lines etc. that will be affected;
 - b) Buffer areas; and,
 - c) All "no-go" areas.
- (iv) The above layout map must be overlain with the sensitivity map and a cumulative map which shows neighbouring energy developments and existing grid infrastructure

(d) Specialist assessments

- (i) Specialist studies to be conducted must provide a detailed description of their methodology, as well as indicate the locations and descriptions of infrastructure positions, and all other associated infrastructures that they have assessed and are recommending for authorisation.

- (ii) The specialist studies must also provide a detailed description of all limitations to their studies. All specialist studies must be conducted in the right season and providing that as a limitation, will not be accepted.
- (iii) Should the appointed specialists specify contradicting recommendations, the EAP must clearly indicate the most reasonable recommendation and substantiate this with defensible reasons and where necessary, include further expertise advice.

(e) Cumulative Assessment

- (i) As there are other similar Gas to Power plants proposed within a 30km radius of the proposed development site, a cumulative impact assessment must be conducted for all identified and assessed impacts which must be refined to indicate the following:
 - a) Identified cumulative impacts must be clearly defined, and where possible the size of the identified impact must be quantified and indicated, i.e. hectares of cumulatively transformed land.
 - b) Detailed process flow and proof must be provided, to indicate how the specialist's recommendations, mitigation measures and conclusions from the various similar developments in the area were taken into consideration in the assessment of cumulative impacts and when the conclusion and mitigation measures were drafted for this project.
 - c) The cumulative impacts significance rating must also inform the need and desirability of the proposed development.
 - d) A cumulative impact environmental statement on whether the proposed development must proceed.

(f) Specific comments

- (i) The EAP must provide details of the specific locations in the EIAr, and not provide vague locations of the proposed developments. All associated infrastructure must be clearly indicated in the EIAr and its associated layout plans.
- (ii) The EAP must identify and provide a map which shows this development and its associated infrastructure in relation to the other proposed facilities in the area.
- (iii) The EAP must clearly identify and provide a final list of all applicable listed activities. If any activities are to be removed, motivation for their removal must be included in the EIAr.
- (iv) The legal opinion regarding landowner consent requirements by Webber Wentzel dated 05 October 2020 is noted. However, the EAP must, as advised at the pre-application meeting held with this Department on 17 September 2020, submit signed landowner consents for all affected properties as prescribed in terms of Regulation 39(1) of the EIA Regulations, 2014 as amended, and outlined in the application form.
- (v) The land owner consent must address each and every portion of land affected by the proposed development, and consent must be obtained for this.
- (vi) The proposed development is located 5km away from the Addo Elephant Marine Protected Area. Please note that in terms of Regulation 19(2) of the Regulations GN R. 1060 (2005) of the NEM:PAA, the applicant is required to receive approval from the Addo Elephant Marine Protected Area Management Authorities for the FSRU and submarine pipelines before the environmental impact assessment is submitted to the Department for consideration. Failure to submit the said approval with the final SR may negatively prejudice the success of your application.
- (vii) The EAP is referred to Section 50(5) of the NEM:PAA, which states that *"No development, construction or farming may be permitted in a national park, nature reserve or world heritage site without the prior written approval of the management authority."* As such, the EAP must obtain approval from the relevant management authority and submit the approval with the EIAr.
- (viii) The proposed site is located approximately 5km from the Algoa Bay Islands: Addo Elephant National Park IBA. The Terms of Reference of the Avifauna Study must be expanded to include the impacts the proposed development will have on the IBA.

- (ix) The impacts on the CBA must be clearly outlined in the EIAr and comments from this Departments Biodiversity and Conservation, as well as the Eastern Cape Parks and Tourism must be included in the EIAr.
- (x) The Air Quality and Climate Change specialist studies' terms of reference (ToRs) must be made available to this Department's Climate Change Directorate for comments. Proof of correspondence must be included in the public participation report.
- (xi) When submitting the EIAr and future documents kindly name each of the documents and attachments according to the information it contains. E.g. instead of only naming it Appendix A, it must be Appendix A: Maps, Appendix B: EAP Declaration etc.

General

The applicant is hereby reminded to comply with the requirements of Regulation 45 of GN R982 of 04 December 2014, as amendment, with regard to the time period allowed for complying with the requirements of the Regulations.

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an environmental authorisation being granted by the Department.

Yours faithfully



Mr Sabelo Malaza

Chief Director: Integrated Environmental Authorisations

Department of Environment, Forestry and Fisheries

Signed by: Mr Coenrad Agenbach

Designation: Deputy Director: Priority Infrastructure Projects

Date: 06/01/2021

cc:	Mehmet Katmer	Karpowership SA (Pty) Ltd	Email: Mehmet.Katmer@karpowership.com
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Annexure 1

Format for Comments and Response Trail Report:

Date of comment, format of comment, name of organisation/I&AP	Comment	Response from EAP/Applicant/Specialist
27/01/2016 Email Department of Environment, Forestry and Fisheries: Priority Infrastructure Projects (John Doe)	Please record C&R trail report in this format Please update the contact details of the provincial environmental authority	EAP: (Noted) The C&R trail report has been updated into the desired format, see Appendix K EAP: Details of provincial authority have been updated, see page 16 of the Application form

CA



**environment, forestry
& fisheries**

Department: Environment, Forestry
and Fisheries
REPUBLIC OF SOUTH AFRICA

P. O. Box 52126, Victoria and Alfred, Waterfront, Cape Town, 8002

Ref No.: 2020/Nonapp/KarPower Project

Enquiries: Mr Rueben Molale

Tel: (021) 819 2455

E-mail: rmolale@environment.gov.za

Triplo4 Sustainable Solutions (Pty) Ltd
Attention: Mrs Hantie Plomp
P. O. Box 6595
ZIMBALI
4418

Per e-mail: hantie@triplo4.com


Dear Mrs Plomp

THE APPLICABILITY OF THE COASTAL WATERS DISCHARGE PERMIT REGULATIONS, 2019 WITH RESPECT TO THE PROPOSED GAS TO POWER PROJECT IN SOUTH AFRICA

1. The Department refers to your letter dated 18 September 2020.
2. This Department has reviewed the information contained in your letter and in the document titled "Coastal Discharge Requirements- Karpowership" and has noted the following:
 - The Karpowership will be a floating power plant.
 - The proposal is that the effluent will be discharged directly from the ships into the sea within three locations, which include: Port of Ngqura, Port of Richards Bay and Port of Saldanha Bay.
3. This Department is of the opinion that the proposed activities will not require a Coastal Waters Discharge Permit ("CWDP") in terms of section 69 of the National Environmental Management: Integrated Coastal Management Act, 2008 (Act No. 24 of 2008) (the "ICM Act"). Written authorisation from this Department will thus not be required prior to the commencement of the said proposal.
4. This determination is based on the following:
 - The discharge of effluent will originate from floating ships and not from land-based sources.
 - Section 69(1) of the ICM Act states that a CWDP is required for the lawful discharging of effluent that originates from land-based sources.
5. Please be advised that should the plans be amended and any effluent stream originate from land-based sources, written authorisation would be required prior to the commencement of the activities.
6. The developer must be reminded of the duty of care towards the environment imposed on all persons in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) ("NEMA"). Section 28(1) of NEMA

specifically states that *"Every person who causes, has caused or may cause significant pollution or degradation of the environment must take reasonable measures to prevent such pollution or degradations from occurring, continuing or recurring, or in so far as such harm to the environment is authorised by law or cannot reasonably be avoided or stopped, to minimise and rectify such pollution or degradation of the environment"*. Section 58 of the ICM Act in turn provides that section 28 of NEMA applies to any impact caused by any person that has an adverse effect on the coastal environment which means that there is a general duty to avoid adverse effects on the coastal environment. Please note that the ICM Act defines "adverse effect" as any actual, potential or cumulative impact on the environment that impairs, or may impair, the environment or any aspect of it to an extent that is more than trivial or insignificant. Given the unique and dynamic nature of the coastal environment, the Department is particularly concerned about any potential adverse impacts to any estuarine ecosystem – in this case the Port of Richards Bay estuary. The Department will provide further comments during the Environmental Impact Assessment public participation process as more details on the effluent constituents and the impacts of the effluent on the coastal environment should be provided in the specialist reports. At that stage, the Department may require that certain monitoring and mitigation measures be implemented in order to safeguard against significant environmental harm of that estuarine environment.

7. Please advise the developer to comply with any other statutory requirements that may be applicable to the establishment of the Karpower gas to power project within the different ports.
8. The Department reserves the right to revise initial comments and request further information from you based on any new or revised information received.
9. Kindly quote the above-mentioned reference number in any future correspondence regarding this letter.



Director: Coastal Pollution Management

Dr Yazeed Peterson

Department of Environment, Forestry and Fisheries

Date: 08/10/2020

Aliyah Ince

From: Shanice Singh <shanice@triplo4.com>
Sent: 18 November 2020 02:43 PM
To: DAVID CLARK; MEHMET KATMER; PINAR GÖL; PATRICK O'DRISCOLL; Ravin Rajoo
Cc: Hantie Plomp; Melissa Gopaul; Nerita Sewnath; Zayd Hoosen
Subject: Coega WULA - Phase 1: Submitted

Dear all,

Please see proof of submission of Phase 1 of the WULA for Port of Ngqura. We will follow up with the department on the opening of Phase 3 as Phase 2 : Site Visit , has already been completed.

The screenshot shows a web browser window with the URL www.dwa.gov.za/ewulaasprod/ExtMain.aspx. The page is titled "SUBMIT PHASE 1: APPLICATION". It features a navigation bar with tabs: "How To", "My Water Users", "Water User Contacts", "Applications", "Withdraw", "Cancel Licence", "Status", "Correspondence", and "Support". Below the navigation bar, there are links for "Enquiries/Current Applications", "Phase 1: Application", "Water Uses", "Properties", "Administrative Docs", "Application Forms", and "Submit Application".

The main content area is divided into sections:

- WATER USER INFORMATION:** Includes a "View DW755 Summary Report" link and a section for "e-WULAAS Electronic Signature". It contains the text: "I Mr Mehmet Katmer herewith electronically sign the Ngqura and Coega SEZ". Below this, there are fields for "Signature" (Mr Mehmet Katmer), "Designation of signatory" (Business Development Director), "Contact Number" (+27837878600), and "Date" (Nov 18 2020 2:24PM).
- APPLICATION INFORMATION:** Includes a "Request Secure Electronic Signature Passcode" field (991389) and a "Enter any comments you want to appear next to your signature here" text area.
- Description of Activities in Relation to the Water Use Application:** A large text area for describing the project. The text visible is: "The Project entails the generation of electricity from of the TNPA and Coega SEZ under the Coega Deve comprising of 27 gas engines and 3 steam turbines facility. A Liquefied Natural Gas Carrier will supply t days. From the Powership, power will be evacuated Substation which feeds into the national grid. The p".
- Pre Application Enquiry Submission Date:** 10/21/2020 8:46:12 AM.

A notification box at the top right states: "Electronic Signing completed. e-Mail notification sent to the De".

The bottom of the page shows a Windows taskbar with the search bar and various application icons.

← → ↻ 🏠 www.dwa.gov.za/ewulaasprod/ExtMain.aspx

Mr Mehmet Katmer (Business Development Director) e-Mail: Mehmet.Katmer@karpowership.com

How To | My Water Users | Water User Contacts | Applications | Withdraw | Cancel Licence | Status | Correspondence | Support

APPLICATION STATUS

Water User ⓘ
Karpowership SA (Pty) LTD

Application ⓘ
Proposed Gas to Power Powership at Port of Ngqura and Coega SEZ

Duration: Day 1 of 300
Current Status: Site Inspection Determinations

#	Date	Applicant	Department
1	11/18/2020 2:33:56 PM		Site Inspection Determinations
2	11/12/2020 12:58:57 PM	Applicant : Prepares WUL Application for submission	
3	10/21/2020 12:07:37 PM		Pre Application Enquiry
4	10/21/2020 11:28:18 AM		Pre Application Enquiry
5	10/21/2020 8:46:12 AM	Applicant : Prepares Pre-application for submission	

Windows taskbar: Type here to search | [Icons: File Explorer, Edge, Firefox, Outlook, Word, Excel, PowerPoint]

Kind Regards,

Shanice Singh | BSc Hons
Sustainability Consultant
EAPASA : 2019/735



T 032 946 3213 | F 032 946 0826 | M 079 211 1945
shanice@triplo4.com; www.triplo4.com

Ballito: Douglas Crowe Drive, The Circle, Suite 5

Ballito | Durban | Johannesburg

Triplo4 Sustainable Solutions is ISO 9001 & 14001 Certified / Level 1 B-BBEE Contributor

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environment, forestry & fisheries

Department:
Environment, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

Private Bag X 447 · PRETORIA · 0001 · Environment House · 473 Steve Biko Road, Arcadia, PRETORIA

DEFF Reference: 14/12/16/3/3/2/2005

Enquiries: Ms Thabile Sangweni

Telephone: (012) 399 9409 E-mail: TSangweni@environment.gov.za

Ms Aletta Plomp
Triplo4 Sustainable Solutions
PO Box 6595
ZIMBALI
4418

Telephone Number: (032) 946 3213
Email Address: hantie@triplo4.com

PER MAIL / E-MAIL

Dear Ms Plomp

COMMENTS ON THE DRAFT ENVIRONMENTAL IMPACT ASSESSMENT REPORT FOR THE PROPOSED GAS TO POWER POWERSHIP PROJECT AT THE PORT OF NGQURA WITHIN THE COEGA SEZ IN THE NELSON MANDELA BAY METROPOLITAN MUNICIPALITY IN THE EASTERN CAPE PROVINCE

The draft Environmental Impact Assessment Report (EIAR) received by the Department on 25 February 2021, refers.

This letter serves to inform you that the following information must be included in the final EIAR:

(a) Specific comments

- (i) The final EIAR must comply with all conditions of the acceptance of the Scoping Report signed on 06 January 2021 and must address all comments contained in the FSR and this letter.
- (ii) The EAP must provide details of the specific locations of the proposed developments in the EIAR, and not provide vague locations. All associated infrastructure must be clearly indicated in the EIAR and its associated layout plans.
- (iii) The EAP must identify and provide a map which shows this development and its associated infrastructure in relation to the other proposed facilities in the area.
- (iv) The legal opinion regarding landowner consent requirements by Webber Wentzel dated 05 October 2020 is noted. However, the EAP must, as advised at the pre-application meeting held with this Department on 17 September 2020, submit signed landowner consent forms for all affected properties as prescribed in terms of Regulation 39(1) of the EIA Regulations, 2014 as amended, and outlined in the application form.
- (v) The landowner consent must address each and every portion of land affected by the proposed development, and consent must be obtained for this.
- (vi) The proposed development is located 5km away from the Addo Elephant Marine Protected Area. Please note that in terms of Regulation 19(2) of the Regulations GN R. 1060 (2005) of the NEM: PAA, the applicant is required to receive approval from the Addo Elephant Marine Protected Area Management Authorities for the Floating Storage Regasification Unit (FSRU) and submarine pipelines before the environmental impact assessment is submitted to the Department for consideration. Failure to submit the said approval with the final EIAR may negatively prejudice the success of your application.

- (vii) The EAP is referred to Section 50(5) of the NEM: PAA, which states that *"No development, construction or farming may be permitted in a national park, nature reserve or world heritage site without the prior written approval of the management authority."* As such, the EAP must obtain approval from the relevant management authority and submit the approval with the EIAr.
- (viii) The proposed site is located approximately 5km from the Algoa Bay Islands: Addo Elephant National Park Important Bird Area (IBA). The Terms of Reference of the Avifauna Study must be expanded to include the impacts the proposed development will have on the IBA.
- (ix) The impacts on the CBA must be clearly outlined in the EIAr and comments from this Department's Biodiversity and Conservation, as well as the Eastern Cape Parks and Tourism must be included in the EIAr.
- (x) The Air Quality and Climate Change specialist studies' terms of reference (ToRs) must be made available to this Department's Climate Change and Air Quality Directorates for comments. Proof of correspondence must be included in the public participation report.
- (xi) The recommendations provided by the specialist reports must be considered and used to inform the preferred layout alternative.
- (xii) **All specialist studies must be final, and provide detailed/practical mitigation measures for the preferred alternative and recommendations, and must not recommend further studies to be completed post EA.**
- (xiii) When submitting the EIAr and future documents kindly name each of the documents and attachments according to the information it contains, e.g. instead of only naming it Appendix A, it must be Appendix A: Maps, Appendix B: EAP Declaration etc.
- (xiv) Please ensure that all mitigation recommendations are in line with applicable and most recent guidelines.
- (xv) The final EIAr must provide the technical details of the proposed facility in a table format as well as their description and/or dimensions.

(b) Listed Activities

- (i) Please ensure that all relevant listed activities are applied for, are specific and can be linked to the development activity or infrastructure as described in the project description. Only activities applicable to the development must be applied for and assessed.
- (ii) The EAP must clearly identify and provide a final list of all applicable listed activities. If any activities are to be removed, motivation for their removal must be included in the EIAr.
- (iii) If the activities applied for in the application form differ from those mentioned in the final EIAr, an amended application form must be submitted. Please note that the Department's application form template has been amended and can be downloaded from the following link <https://www.environment.gov.za/documents/forms>.
- (iv) It is imperative that the relevant authorities are continuously involved throughout the environmental impact assessment process as the development property possibly falls within geographically designated areas in terms of numerous GN R. 985 Activities. Written comments must be obtained from the relevant authorities and submitted to this Department. In addition, a graphical representation of the proposed development within the respective geographical areas must be provided.
- (v) The listed activities represented in the EIAr and the application form must be the same and correct.
- (vi) The EIAr must provide an assessment of the impacts and mitigation measures for each of the listed activities applied for.

(c) Public Participation Process

- (i) It is noted that the C&R report included in this draft EIAr does not address issues that were raised in the acceptance of the FSR, particularly by this Department.
- (ii) As such, it is not shown how or if the numerous issues raised by this Department in particular, in the acceptance of FSR were addressed.

- (iii) The final EIA must comply with all conditions of the acceptance of the Scoping Report signed on 06 January 2021 and must address all comments contained in the FSR and this letter.
- (iv) Please ensure that comments from all relevant stakeholders are submitted to the Department with the final EIA. This includes but is not limited to the Eastern Cape Department of Economic Development, Environmental Affairs and Tourism, the provincial Department of Agriculture, the Provincial Department of Transport, the local and district municipalities, the Department of Human Settlements, Water and Sanitation, the South African Heritage Resources Agency (SAHRA), the Department of Rural Development and Land Reform, and the Department of Environment, Forestry and Fisheries: Directorates Biodiversity and Climate Change.
- (v) Please ensure that all issues raised and comments received during the circulation of the draft EIA from registered I&APs and organs of state which have jurisdiction in respect of the proposed activity are adequately addressed in the final EIA.
- (vi) Proof of correspondence with the various stakeholders must be included in the final EIA. Should you be unable to obtain comments, proof should be submitted to the Department of the attempts that were made to obtain comments.
- (vii) A Comments and Response trail report (C&R) must be submitted with the final EIA. The C&R report must incorporate all comments for this development. The C&R report must be a separate document from the main report and the format must be in the table format as indicated in Annexure 1 of this letter. Please refrain from summarising comments made by I&APs. All comments from I&APs must be copied verbatim and responded to clearly. Please note that a response such as "noted" is not regarded as an adequate response to I&AP's comments.
- (viii) Comments from I&APs must not be split and arranged into categories. Comments from each submission must be responded to individually.
- (ix) The Public Participation Process must be conducted in terms of Regulation 39, 40, 41, 42, 43 & 44 of the EIA Regulations, 2014, as amended.

(d) Layout and Sensitivity Maps

- (i) The EIA must provide coordinate points for the proposed development site (note that if the site has numerous bend points, at each bend point coordinates must be provided) as well as the start, middle and end point of all linear activities.
- (ii) Please provide a layout map which indicates the following:
 - a) Positions of the power island, steam turbine and generator, fuel and gas storage tanks, water storage reservoir and tanks, water and gas supply pipelines;
 - b) Permanent laydown area footprint;
 - c) All supporting onsite infrastructure, e.g. roads (existing and proposed);
 - d) Substation(s) and/or transformer(s) sites including their entire footprint;
 - e) Connection routes (including pylon positions) to the distribution/transmission network; and
 - f) All existing infrastructure on the site.
- (iii) Please provide an environmental sensitivity map which indicates the following:
 - a) The location of sensitive environmental features on site, e.g. Marine Protected Areas, CBAs, heritage sites, wetlands, drainage lines etc. that will be affected;
 - b) Buffer areas; and,
 - c) All "no-go" areas.
- (iv) The above layout map must be overlain with the sensitivity map and a cumulative map which shows neighbouring energy developments and existing grid infrastructure.

(e) Specialist assessments

- (i) The EAP must ensure that the terms of reference for all the identified specialist studies must include the following:
 - a) A detailed description of the study's methodology; indication of the locations and descriptions of the development footprint, and all other associated infrastructures that they have assessed and are recommending for authorisation.
 - b) Provide a detailed description of all limitations to the studies. All specialist studies must be conducted in the right season and providing that as a limitation, will not be accepted.
 - c) Please note that the Department considers a 'no-go' area, as an area where no development of any infrastructure is allowed; therefore, no development of associated infrastructure including access roads is allowed in the 'no-go' areas.
 - d) Should the specialist definition of 'no-go' area differ from the Departments definition; this must be clearly indicated. The specialist must also indicate the 'no-go' area's buffer if applicable.
 - e) All specialist studies must be final, and provide detailed/practical mitigation measures for the preferred alternative and recommendations, and must not recommend further studies to be completed post EA.
- (ii) Should the appointed specialists specify contradicting recommendations, the EAP must clearly indicate the most reasonable recommendation and substantiate this with defensible reasons; and where necessary, include further expertise advice.

(f) Cumulative Assessment

- (i) Should there be any other similar projects within a 30km radius of the proposed development site, the cumulative impact assessment for all identified and assessed impacts must be refined to indicate the following:
 - (a) Identified cumulative impacts must be clearly defined, and where possible the size of the identified impact must be quantified and indicated, i.e. hectares of cumulatively transformed land.
 - (b) Detailed process flow and proof must be provided, to indicate how the specialist's recommendations, mitigation measures and conclusions from the various similar developments in the area were taken into consideration in the assessment of cumulative impacts and when the conclusion and mitigation measures were drafted for this project.
 - (c) The cumulative impacts significance rating must also inform the need and desirability of the proposed development.
 - (d) A cumulative impact environmental statement on whether the proposed development must proceed.

(g) Environmental Management Programme (EMPr)

- (i) The EMPr must comply with Appendix 4 of the Environmental Impact Assessment Regulations, 2014, as amended.
- (ii) Please be informed that the following content must be incorporated within the EMPr as indicated in Appendix 4 of the EIA Regulations 2014, as amended:
 - a) Details of the EAP who prepared the EMPr; and the expertise of that EAP to prepare an EMPr, including a curriculum vitae.
 - b) A map at an appropriate scale which superimposes the proposed activity, its associated structures, and infrastructure on the environmental sensitivities of the preferred site, indicating any areas that should be avoided, including buffers.
 - c) A description of the impact management outcomes, including management statements, identifying the impacts and risks that need to be avoided, managed and mitigated as identified through the environmental impact assessment process for all phases of the development including —
 - Planning and design;
 - Pre-construction activities;

- Construction activities;
 - Rehabilitation of the environment after construction and where applicable post closure; and
 - Where relevant, operation activities.
- d) A description of proposed impact management actions, identifying the manner in which the impact management outcomes contemplated in paragraph (d) of Appendix 4 of the EIA Regulations 2014, as amended, will be achieved, and must, where applicable, include actions to —
 - e) Avoid, modify, remedy, control or stop any action, activity or process which causes pollution or environmental degradation;
 - f) Comply with any prescribed environmental management standards or practices;
 - g) Comply with any applicable provisions of the Act regarding closure, where applicable; and
 - h) Comply with any provisions of the Act regarding financial provision for rehabilitation, where applicable.
 - i) The method of monitoring the implementation of the impact management actions contemplated in paragraph (f) of Appendix 4 of the EIA Regulations 2014, as amended.
 - j) The frequency of monitoring the implementation of the impact management actions contemplated in paragraph (f) of Appendix 4 of the EIA Regulations 2014, as amended.
 - k) An indication of the persons who will be responsible for the implementation of the impact management actions.
 - l) The time periods within which the impact management actions contemplated in paragraph (f) of Appendix 4 of the EIA Regulations 2014, as amended, must be implemented.
 - m) The mechanism for monitoring compliance with the impact management actions contemplated in paragraph (f) of Appendix 4 of the EIA Regulations 2014, as amended.
 - n) A program for reporting on compliance, taking into account the requirements as prescribed by the Regulations.

General

Please also ensure that the final EIAR includes the period for which the Environmental Authorisation is required and the date on which the activity will be concluded as per Appendix 3 of the NEMA EIA Regulations, 2014, as amended.

You are further reminded to comply with Regulation 23(1)(a) of the NEMA EIA Regulations, 2014, as amended, which states that: *"The applicant must within 106 days of the acceptance of the scoping report submit to the competent authority -*

(a) an environmental impact assessment report inclusive of any specialist reports, and an EMPr, which must have been subjected to a public participation process of at least 30 days and which reflects the incorporation of comments received, including any comments of the competent authority."

Should there be significant changes or new information that has been added to the EIAR or EMPr which changes or information was not contained in the reports or plans consulted on during the initial public participation process, you are required to comply with Regulation 23(1)(b) of the NEMA EIA Regulations, 2014, as amended, which states: *"The applicant must within 106 days of the acceptance of the scoping report submit to the competent authority – (b) a notification in writing that the reports, and an EMPr, will be submitted within 156 days of acceptance of the scoping report by the competent authority, or where regulation 21(2) applies, within 156 days of receipt of application by the competent authority, as significant changes have been made or significant new information has been added to the environmental impact assessment report or EMPr, which changes or information was not contained in the reports or plans consulted on during the initial public participation process contemplated in subregulation (1)(a) and that the revised environmental impact assessment report or EMPr will be subjected to another public participation process of at least 30 days".*

Should you fail to meet any of the timeframes stipulated in Regulation 23 of the NEMA EIA Regulations, 2014, as amended, your application will lapse.

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.

Yours sincerely



Mr Sabelo Malaza
Chief Director: Integrated Environmental Authorisations
Department of Environment, Forestry and Fisheries
Signed by: Ms Millicent Solomons
Designation: Director: Priority Infrastructure Projects
Date: 11/03/2021.

cc:	Mehmet Katmer	Karpowership SA (Pty) Ltd	Email: Mehmet.Katmer@kapowership.com
-----	---------------	---------------------------	--------------------------------------

Annexure 1

Format for Comments and Response Trail Report:

Date of comment, format of comment name of organisation/I&AP	Comment	Response from EAP/Applicant/Specialist
27/01/2016 Email Department of Environment, Forestry and Fisheries: Priority Infrastructure Projects (John Soap)	Please record C&R trail report in this format Please update the contact details of the provincial environmental authority	EAP: (Noted)The C&R trail report has been updated into the desired format, see Appendix K EAP: Details of provincial authority have been updated, see page 16 of the Application form



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Private Bag X6041, PORT ELIZABETH, 6000, 140 Govan Mbeki Avenue, PORT ELIZABETH, 6000.
www.dwa.gov.za

Enquiries: Ms N. Mpumela
Email: MpumelaN@dws.gov.za

Tel: 0415010714
File No. 27/2/2/M230/6/3
Ref. No: WU18301

ACKNOWLEDGEMENT RECEIPT

APPLICATION FOR REGISTRATION OF WATER USE(S) WITHIN THE AMBIT OF A GENERAL AUTHORISATION IN TERMS OF SECTION 39 OF THE NATIONAL WATER ACT, 1998 (ACT 36 OF 1998): KARPOWERSHIP SA (PTY) LTD IN THE MZIMVUBU TO TSITSIKAMMA WMA

The Department of Water and Sanitation hereby acknowledges receipt of your application for registration of water uses(s) authorized in terms of General Authorization.

The Department will process your request and reverts back to you with response within 30 days of receipt of this letter.

Contact the author hereto should you require any information regarding your application.

Yours faithfully,

Recommend

Comments:

I, Mrs Lizna Fourie (WULA Manager) herewith electronically sign this document.
Electronic Signature Key : 5705609525947510574

WULA Manager

Date: Nov 25 2020 12:36PM

Proof of Acceptance of Scoping Phase and Notice to I&APs

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Hantie Plomp <pppcoega.triplo4@gmail.com>

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1 message

Hantie Plomp <pppcoega.triplo4@gmail.com>

Tue, Jan 19, 2021 at 11:35 AM

Cc: Hantie Plomp <hantie@triplo4.com>

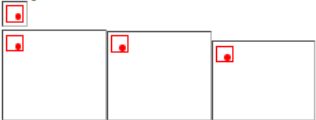
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Dear all registered I&APs and Stakeholders,

Kindly see attached the notification of acceptance of the scoping report and plan of study for the proposed Gas to Power Powership Project at the Port of Ngqura.

Kind regards,
Naadira Nadasen
Sustainability Consultant

Triplo4 Sustainable Solutions




Tel 032 946 3213 | F 032 946 0826 M 072 7566 786

pppcoega.triplo4@gmail.com www.triplo4.com

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Hantie Plomp <pppcoega.triplo4@gmail.com>

Tue, Jan 19, 2021 at 11:35 AM

Cc: Hantie Plomp <hantie@triplo4.com>

Bcc: leon.els@dedea.gov.za, dante.rademeyer@dedea.gov.za, mlungiseleli.kosi@dedea.gov.za, Dayalan Govender <Dayalan.Govender@dedea.gov.za>, smokhanya@ecphra.org.za, info@ecphra.org.za, Malaika KoaliLebona@ecpta.co.za, Kagiso Mangwale <Kagiso.mangwale@ecpta.co.za>, Bongil Stofile <bstofile@samsa.org.za>, sizulesilinta@gmail.com, Sivuyile silinga@gmail.com, j-gon@intekom.co.za, cheryl@wessaep.co.za, jnbadmin@wessa.co.za, M&E Brouard <mpb@telkomsa.net>, morgan.griffiths@wessa.co.za, Ane Oosthuizen <Ane.Oosthuizen@sanparks.org>, Nick De Goede <nick.degoede@sanparks.org>, maretha.alant@sanparks.org, Catherine Dreyer <Catherine.Dreyer@sanparks.org>, Rob Milne <rob.milne@sanparks.org>, Kristal Maze <Kristal.Maze@sanparks.org>, david.molima@dpe.gov.za, daniel.gerber@za.dsv.com, sheree.harmse@za.dsv.com, jackson@digistics.co.za, AllistairS@digistics.co.za, guthrie.robertson@famousbrands.co.za, arnold.barnard@famousbrands.co.za, gloria.january@famousbrands.co.za, beth.hurr@isuzu.co.za, mbiko.mbongeni@isuzu.co.za, Craig@pecoldstorage.co.za, charl@pecoldstorage.co.za, george@pecoldstorage.co.za, karl.molachlan@apterminals.com, RudoS@vectorlog.com, JurieS@vectorlog.com, GeorgeC@natship.net, andros@natship.net, Rhyannw@apliafrica.com, lynette.barnard@za.lactalis.com, aaron@thecourierguy.co.za, sheldon.chetty@msc.com, ben.fouché@baicsa.co.za, LCowley@zacpac.co.za, liushijie@faw.co.za, Lucia Daniel <nadine@faw.co.za>, yachaiyang@faw.co.za, theo.theuner@hella.com, Adrian Vardy <adrian@dynamicfood.com>, natasha@dynamicfood.com, heinrich@dynamicfood.com, maro@dynamicfood.com, philip@coegadairy.com, Mark@coegadairy.com, Vincent.Ntuli@airproducts.co.za, satish.bhugwathypersad@afrox.linde.com, Magnus.stenglin@afrox.linde.com, Andile.Qwase@afrox.linde.com, mfooster@himoina.com, johannes.mapokgole@enel.com, herbert@coruseal.co.za, paulh@coruseal.co.za, v Vaughan@coruseal.co.za, charles.lumsden@oftgroup.co.za, pieter.vanheerden@oftgroup.co.za, info@bacaradfoods.co.za, ellianp@discovery.co.za, henniev@discovery.co.za, Brian.Windsor@wns.com, ops01.bbpe@bosun.co.za, joyd@sanitech.co.za, jerome@kenakoconcrete.co.za, hendrickm@cemza.co, hassan@agnisa.co.za, Davel@cerebos.co.za, johnd@cerebos.co.za, sinawom@cerebos.co.za, James.Classen@peakersoperations.co.za, gmurrel@mandelametro.gov.za, jmiller@mandelametro.gov.za, mm@mandelametro.gov.za, om@mandelametro.gov.za, mnaidoo@mandelametro.gov.za, pnodwele@mandelametro.gov.za, Kobus Slabbert <kslabbert@mandelametro.gov.za>, edee@mandelametro.gov.za, Mpatisi.pantsi@transnet.net, smvunelwa@mandelametro.gov.za, bhumani@mandelametro.gov.za, gmhloniyane@mandelametro.gov.za, phowes@mandelametro.gov.za, SPotgieter@mandelametro.gov.za, zsmith@mandelametro.gov.za, pamayor@mandelametro.gov.za, pdyani@mandelametro.gov.za, dbailey@mandelametro.gov.za, kngesi@mandelametro.gov.za, jmkosana@mandelametro.gov.za, Nomazulu.mthi29@gmail.com, mvuzomm@gmail.com, info@grasmereostriches.com, Shereelee Odayar <shereelee@sdceango.co.za>, nloser@cer.org.za, pepi.silinga@coega.co.za, nmbratepayersoffice@gmail.com, collett@acscconsulting.co.za, Dweba-Kwetana@transnet.net

Dear all registered I&APs and Stakeholders,

Kindly see attached the notification of acceptance of the scoping report and plan of study for the proposed Gas to Power Powership Project at the Port of Ngqura.

Kind regards,
Naadira Nadasen
Sustainability Consultant

Tripl4 Sustainable Solutions

Tel 032 946 3213 | F 032 946 0826 M 072 7566 786

pppcoega.triplo4@gmail.com www.triplo4.com

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1 message

Hantie Plomp <pppcoega.triplo4@gmail.com>

Tue, Jan 19, 2021 at 11:35 AM

Cc: Hantie Plomp <hantie@triplo4.com>

Bo: Gerrit duplessis2@transnet.net, neil.chetty@transnet.net, thulani.dubeko@transnet.net, sindie.ndwalaza@transnet.net, tandi.lebakeng@transnet.net, Mandilakhe.Mdodana@transnet.net, Mpatisi.Pantsi@transnet.net, renee.deklerk@transnet.net, Mpatisi.pantsi@transnet.net, NevilleE@cefgroup.co.za, tony.carnie@gmail.com, arlene@savannahsa.com, nicolene@savannahsa.com, Chris Albertyn - LAQS <chris@laqs.co.za>, Huldah.solomon@gmail.com, Paul.steyn@nmmu.ac.za, simon@impact-freewater.com, kobusgerber2@gmail.com, mikebridgeford@telkomsa.net, Johan@cbmafrica.co.za, richard@wcalone.co.za, chris@carnegieenergy.co.za, algoabayconservation@gmail.com, darryl.hunt@dynamicenergy.co.za, Oghogho.Momodu@vns.com, Nxelez@telkom.co.za, Alistair.McInnes <alistair.mcinnis@birdlife.org.za>, Melissa.Lewis <Melissa.Lewis@birdlife.org.za>, Tegan.Carpenter-Kling <Tegan.Carpenter-Kling@birdlife.org.za>, Christina.Hagen <christina.hagen@birdlife.org.za>, eia@g7energies.com, Veronique.Fyfe <veronique@g7energies.com>, Jan.Louw <jan@g7energies.com>, "Rory.Haschick: ECDC - East London" <rhaschick@ecdc.co.za>, mkoyama@cer.org.za, tlloyd@cer.org.za, dsefatsa@cer.org.za, klesela@cer.org.za, Avena.Jacklin <avena@groundwork.org.za>, Bobby.Peek <bobby@groundwork.org.za>, David.Hallowes <david@groundwork.org.za>, karen.low@juwi.co.za, alaine.armstrong <alaine@earthlaw.co.za>, jwbruce@ntowind.com, Marco.Raffinetti <marcor@newlyngroup.com>, sagied@newlyngroup.com, "Glossop, Wayne" <wayne.glossop@wartsila.com>, riccardo.maresca@msc.com, Owen.Ndidi <owennndidi@gmail.com>, OceansNotOil.Info <info@oceansnotoil.com>, JohnMJ@natship.net, Brett.Williams@safetech.co.za, dpaul@prdw.com, sorm@wacocess.co.za, Sonia.Miszczak <sonia.miszczak@scatecsolar.com>, adrian@adrianpole.co.za, Nicholas.Scarr <n.scarr@ru.ac.za>, Neville.Van.Rooy <blessedkhol@gmail.com>, Mr.Rob.Wyde <mwwylder@mweb.co.za>, April.Gehle <topodahill@outlook.com>, Neil.Parker <neil@impact-freewater.com>, Rebecca.Thomas@mainstreammp.com, Gail.Pullen <gail.epullen@gmail.com>, "Bodisch, Nina (VW S.Africa)" <bodisch@vwsa.co.za>, Eugene.Maris@mainstreammp.com, homewaters@agnet.co.za, Janna.Bedford-Owen <jbedfordowen@gmail.com>, Samrasta.Wentzel <samrastawentzel@gmail.com>, christelle@habitatlink.co.za, tfoxen@monetgas.com, Niall.Kramer <niall.kramer@gmail.com>, b.formo.bf@gmail.com, Rose.Von.Wildemann <rose.acos@gmail.com>, Susandean@tiag.co.za, marilyn <marilyn@rsaweb.co.za>, Judy.Bell <judybell@mweb.co.za>, Mike.Rivarola <mikeriv@carifro.com>, Tim & Isobel.Douglas-Jones <timandisa@gmail.com>, Paul.Martin <pmartin@axcess.co.za>, sandy@publicprocess.co.za, Ronelle.Friend <ronelle@baymt.co.za>, liandra.bertolli@gmail.com, Andries.Struwig <Andries.Struwig@dedea.gov.za>

Dear all registered I&APs and Stakeholders,

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Kind regards,
Naadira Nadasen
Sustainability Consultant

Tripl4 Sustainable Solutions

Tel 032 946 3213 | F 032 946 0826 M 072 7566 786

pppcoega.triplo4@gmail.com

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Hantie Plomp <pppcoega.triplo4@gmail.com>

Environmental Impact Reporting (EIR) Phase - Proposed Gas to Power Project - Port of Ngqura-Eastern Cape

1 message

Hantie Plomp <pppcoega.triplo4@gmail.com>

Thu, Feb 25, 2021 at 4:51 PM

Cc: Hantie Plomp <hantie@triplo4.com>

Bcc: MSolomons@environment.gov.za, LVeto@environment.gov.za, mliisoane@environment.gov.za, rmasela@environment.gov.za, stanleyt@environment.gov.za, ypeterson@environment.gov.za, rmlale@environment.gov.za, TNjajula@environment.gov.za, Mthikot@environment.gov.za, MLigudu@environment.gov.za, NokoyoD@daff.gov.za, DorothyJ@daff.gov.za, Muhammad Essop <MEssop@environment.gov.za>, Thabile Sangweni <TSangweni@environment.gov.za>, tkhumalo@environment.gov.za, alistair.momaster@dedea.gov.za, albert.mfenyana@dedea.gov.za, smunzhedzi@environment.gov.za, smaleta@environment.gov.za, akile@yebo.co.za, noma.qase@energy.gov.za, babalwa.mbob@energy.gov.za, Zukiswa.Ngwane@dpw.ecape.gov.za, pitsoo@dwa.gov.za, craig.molachlan@dpw.ecape.gov.za, John.Davies@dpw.ecape.gov.za, Peter.Lotter@dpw.ecape.gov.za, siyabonga.gqalangile@daet.ecape.gov.za, siyabonga.gqalangile@dedea.gov.za, glen.thomas@drdar.gov.za, thembani.nyokana@drdar.gov.za, leon.coetsee@drdar.gov.za, nosiphiwo.mlaml@drdar.gov.za, john.geeringh@eskom.co.za, Motsisl@eskom.co.za, MaakeN@eskom.co.za, Tania Jarvis <JarvisTJ@eskom.co.za>, Lianne Muller <MullerLE@eskom.co.za>, Worthil@eskom.co.za, Worthil@eskom.co.za, John.geeringh@eskom.co.za, vincentvusi02@gmail.com, vusi.kubheka@dmr.gov.za, phine@sahra.org.za, leon.els@dedea.gov.za, Andries Struwig <Andries.Struwig@dedea.gov.za>, dante.rademeyer@dedea.gov.za, Dayalan Govender <Dayalan.Govender@dedea.gov.za>, mlungiseleli.kosi@dedea.gov.za, smokhanya@ecphra.org.za, info@ecphra.org.za, malaika-lebona@ecpta.co.za, Malaika.KoaliLebona@ecpta.co.za, Kagiso Mangwale <Kagiso.mangwale@ecpta.co.za>, sizulesilinta@gmail.com, Sivuyile.silinga@gmail.com, j-gon@intekom.co.za, cheryl@wessaep.co.za





Dear I&APs and Stakeholders,

Kindly see attached the notification of the Public Participation Process for the EIR Phase for the proposed Gas to Power Powership Project at the Port of Ngqura, Nelson Mandela Bay Metropolitan Municipality, Eastern Cape.

Kind regards,

Naadira Nadasen
Sustainability Consultant

Triplo4 Sustainable Solutions




Tel 032 946 3213 | F 032 946 0826 M 072 7566 786


pppcoega.triplo4@gmail.com www.triplo4.com

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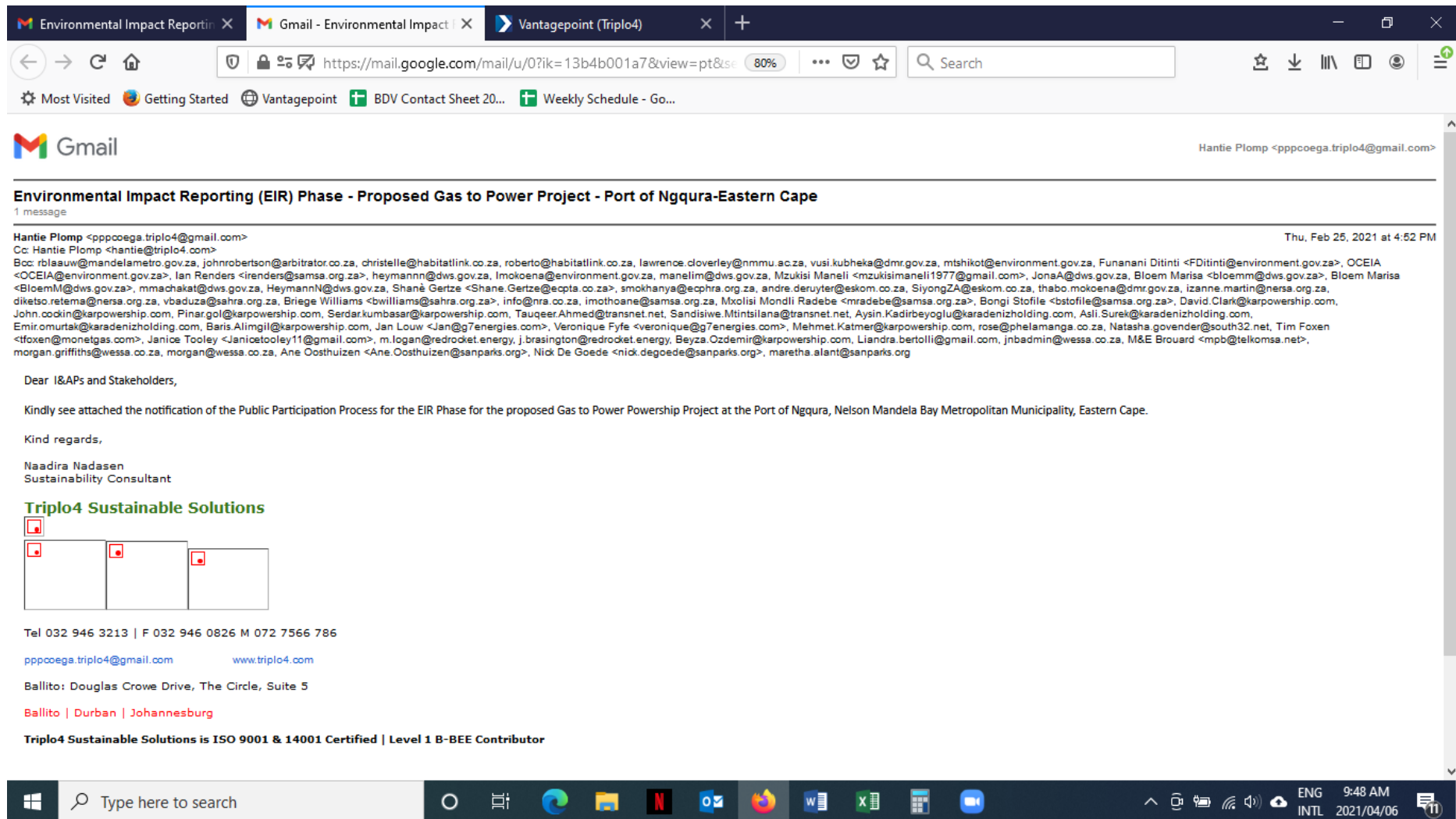
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Hantie Plomp <pppcoega.triplo4@gmail.com>

Environmental Impact Reporting (EIR) Phase - Proposed Gas to Power Project - Port of Ngqura-Eastern Cape

1 message

Hantie Plomp <pppcoega.triplo4@gmail.com>

Thu, Feb 25, 2021 at 4:53 PM

Cc: Hantie Plomp <hantie@triplo4.com>
Bcc: Nomazulu.mthi29@gmail.com, mvuzomm@gmail.com, info@grasmereostriches.com, Sherelee Odayar <sherelee@sdceango.co.za>, nloser@oer.org.za, pepi.silinga@coega.co.za, nmbratepayersoffice@gmail.com, philip@coegadairy.com, collet@acoconsulting.co.za, Dweba-Kwetana@transnet.net, neil.chetty@transnet.net, thulani.dubeko@transnet.net, sindie.ndwalaza@transnet.net, tandi.lebakeng@transnet.net, Mandilakhe.Mdodana@transnet.net, Mpatisi.Pantsi@transnet.net, renee.dekler@transnet.net, Mpatisi.pantsi@transnet.net, NevilleE@cefgroup.co.za, tony.carnie@gmail.com, arlene@savannahsa.com, nicolene@savannahsa.com, Chris Albertyn - LAQS <chris@laqs.co.za>, Huldah.solomon@gmail.com, Paul.steyn@nmnu.ac.za, simon@impact-freewater.com, kobusgerber2@gmail.com, mikebridgeford@telkomsa.net, Johan@cbmafrica.co.za, richard@wcabalone.co.za, chris@carnegieenergie.co.za, algoabayconservation@gmail.com, darryl.hunt@dynamicoenergy.co.za, Oghogho.Momodu@vns.com, Nxalez@telkom.co.za, Alistair Molnnes <alistair.molnnes@birdlife.org.za>, Melissa.Lewis <Melissa.Lewis@birdlife.org.za>, Tegan.Carpenter-Kling <Tegan.Carpenter-Kling@birdlife.org.za>, Christina.Hagen <christina.hagen@birdlife.org.za>, eia@g7energies.com, Veronique.Fyfe <veronique@g7energies.com>, Jan Louw <jan@g7energies.com>, Nicky.Stander <Nicky@sanccob.co.za>, "Rory Haschick: ECDC - East London" <rdhaschick@ecdc.co.za>, mkoyama@oer.org.za, tlloyd@oer.org.za, dsefatse@oer.org.za, klesele@oer.org.za, Avena.Jacklin <avena@groundwork.org.za>, Bobby.Peek <bobby@groundwork.org.za>, David.Hallowes <david@groundwork.org.za>, karen.low@juwi.co.za, landuse@capenature.co.za, aldine.armstrong <aldine@earthlaw.co.za>, jwbruce@ntowind.com, Marco.Raffinetti <marcor@newlyngroup.com>, sagied@newlyngroup.com, "Glossop, Wayne" <wayne.glossop@wartsila.com>, Wayne.Hector <whector@environment.gov.za>, ricardo.maresca@msc.com, Owen.Ndidi <owennndidi@gmail.com>, OceansNotOil.Info <info@oceansnotoil.com>, JohnMJ@natship.net, Brett.Williams@safetech.co.za, dpaul@prdw.com, Sonia.Miszczak <sonia.miszczak@scatecsolar.com>, adrian@adrianpole.co.za, Nicholas.Scarr <n.scarr@ru.ac.za>, Neville.Van.Rooy <blessedkholi@gmail.com>, Mr.Rob.Wyld <mwylde@mweb.co.za>, aorm@wcaocess.co.za, April.Gehle <topodahill@outlook.com>, Neil.Parker <neil@impact-freewater.com>, Rebecca.Thomas@mainstreammp.com, Gail.Pullen <gail.pullen@gmail.com>, "Bodisch, Nina (VW S.Africa)" <bodisch@vwsa.co.za>, Eugene.Marais@mainstreammp.com, homewaters@agnet.co.za, Janna.Bedford-Owen <jbedfordowen@gmail.com>, Samrasta.Wentzel <samrastawentzel@gmail.com>, Tim.Foxen <tfoxen@monetgas.com>




Dear I&APs and Stakeholders,

Kindly see attached the notification of the Public Participation Process for the EIR Phase for the proposed Gas to Power Powership Project at the Port of Ngqura, Nelson Mandela Bay Metropolitan Municipality, Eastern Cape.

Kind regards,

Naadira Nadasen
Sustainability Consultant

Triplo4 Sustainable Solutions




Tel 032 946 3213 | F 032 946 0826 M 072 7566 786


pppcoega.triplo4@gmail.com www.triplo4.com

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Environmental Impact Reporting (EIR) Phase - Proposed Gas to Power Project - Port of Ngqura-Eastern Cape

1 message

Hantie Plomp <pppcoega.triplo4@gmail.com>

Thu, Feb 25, 2021 at 4:53 PM

Cc: Hantie Plomp <hantie@triplo4.com>

Bcc: lynette.barnard@za.lactalis.com, aaron@thecourierguy.co.za, shaldon.chetty@msc.com, ben.fouché@baica.co.za, LCowley@zaopak.co.za, liushijie@faw.co.za, Lucia Daniel <nadine@faw.co.za>, yaohaiyang@faw.co.za, theo.theuner@hella.com, natasha@dynamicfood.com, heinrich@dynamicfood.com, maro@dynamicfood.com, philip@coegadairy.com, Mark@coegadairy.com, johann@coegadairy.com, Vincent.Ntuli@airproducts.co.za, satish.bhugwathypersad@afrox.linde.com, Magnus.stenglin@afrox.linde.com, Andile.Qwase@afrox.linde.com, mfooster@himoinsa.com, johannes.mapokgole@enel.com, herbert@corruseal.co.za, paulh@corruseal.co.za, vaughan@corruseal.co.za, charles.lumsden@oftgroup.co.za, pieter.vanheerden@oftgroup.co.za, info@bacarafoods.co.za, ellianp@discovery.co.za, henniev@discovery.co.za, Brian.Windsor@wms.com, ops01.bbpe@bosun.co.za, joyd@sanitech.co.za, jerome@kenakooncrete.co.za, hendrickm@cemza.co.za, hassan@agnisa.co.za, Davel@cerebos.co.za, johnd@cerebos.co.za, sinawom@cerebos.co.za, James.Classen@peakersoperations.co.za, gmurrel@mandelametro.gov.za, jmiller@mandelametro.gov.za, mm@mandelametro.gov.za, cm@mandelametro.gov.za, rmaidoo@mandelametro.gov.za, pnodwela@mandelametro.gov.za, Kobus.Slabbert@mandelametro.gov.za, edee@mandelametro.gov.za, Mpatisi.pantsi@transnet.net, smvunelwa@mandelametro.gov.za, bhumani@mandelametro.gov.za, gmhlonyane@mandelametro.gov.za, phowes@mandelametro.gov.za, SPotgieter@mandelametro.gov.za, zsmith@mandelametro.gov.za, pamayor@mandelametro.gov.za, poyani@mandelametro.gov.za, dbailey@mandelametro.gov.za, kngesi@mandelametro.gov.za, jmkosana@mandelametro.gov.za, Niall.Kramer <niall.kramer@gmail.com>, b.formo.bt@gmail.com, Rose.Von.Wildemann <rose.acs@gmail.com>, Susandean@tiag.co.za, marilyn <marilyn@rsaweb.co.za>, Judy Bell <judybell@mweb.co.za>, Mike.Rivarola <mikeriv@carifo.com>, Tim & Isobel Douglas-Jones <tmandisa@gmail.com>, Paul.Martin <pmartin@axoess.co.za>, Ronelle.Friend <ronelle@baymt.co.za>, smoodley@1stgroupcapital.co.za, Gavin Anderson <umlando@gmail.com>, ravinrajoo@gmail.com, jumpfishva@gmail.com, mabunda@mweb.co.za

Dear I&APs and Stakeholders,

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Kind regards,

Naadira Nadasen
Sustainability Consultant

Triplo4 Sustainable Solutions



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 Gmail

Hantie Plomp <pppcoega.triplo4@gmail.com>

Environmental Impact Reporting (EIR) Phase - Proposed Gas to Power Project - Port of Ngqura-Eastern Cape

1 message

Hantie Plomp <pppcoega.triplo4@gmail.com>

Thu, Feb 25, 2021 at 4:53 PM

Cc: Hantie Plomp <hantie@triplo4.com>
Boc: Smancootywa@environment.gov.za, WMandivenyi@environment.gov.za, KMatibe@environment.gov.za, RMasela@environment.gov.za, iabader@environment.gov.za, jbeaumont@environment.gov.za, MMasithi@environment.gov.za, sntshanga@environment.gov.za, ypeterson@environment.gov.za, Fortia Makitla <PMakitla@environment.gov.za>, BCAdmin@environment.gov.za, mlitsoane@environment.gov.za, amanda.mantutle@coega.co.za, Jabulani maluleke@coega.co.za, siseko.gwavu@coega.co.za, Keith.DuPlessis@coega.co.za, Khuthala.Somdaka@coega.co.za, Lungu.Tungu@coega.co.za, Firhana.sam@coega.co.za, Viwe.Biyana <Viwe.Biyana@coega.co.za>, Graham.Taylor@coega.co.za, Andrea.Shirley <andrea.shirley@coega.co.za>, zanele.hartmann@coega.co.za, graham.taylor@coega.co.za, Tauqeer.ahmed@transnet.net, htshisikule@environment.gov.za, renee.deklek@transnet.net, albert@agnet.co.za, Angela.Andrews <Angelaandrews99@gmail.com>, eckarts@mweb.co.za, Gary.Koekemoer <garyk22@me.com>, lorien.pichgru@mandela.ac.za, tourismtrade@mandelametro.gov.za, rblaauw@mandelametro.gov.za, Rob.Milne <rob.milne@sanparks.org>, Doné.Louw <dlouw@nmbt.co.za>, Catherine.Dreyer <Catherine.Dreyer@sanparks.org>, Nick.De.Goede <nick.degoede@sanparks.org>, Kristal.Maze <Kristal.Maze@sanparks.org>, Ane.Oosthuizen <Ane.Oosthuizen@sanparks.org>, Rosslee.wagenaar@sanparks.org, "Bodisch, Nina (VW S.Africa)" <bodisch@vwsa.co.za>, Mike.Rivarola <mikeriv@carifro.com>, david.moima@dpe.gov.za, sheree.harmse@za.dsv.com, jackson@digistics.co.za, AllistairS@digistics.co.za, guthrie.robertson@famousbrands.co.za, arnold.barnard@famousbrands.co.za, gloria.january@famousbrands.co.za, beth.hum@isuzu.co.za, mbiko.mbongeni@isuzu.co.za, craig@pecoldstorage.co.za, charl@pecoldstorage.co.za, george@pecoldstorage.co.za, karl.mclachlan@apmterminals.com, RudoS@vectorlog.com, GeorgeC@natship.net, JurieS@vectorlog.com, andros@natship.net, Rhyarw@apliafrica.com, sandile@eyethufishing.co.za

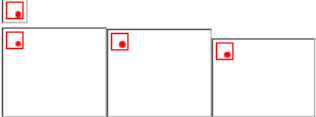
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Kind regards,

Naadira Nadasen
Sustainability Consultant

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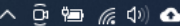
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Enquiries: Briege Williams
Tel: 021 462 4502
Email: bwilliams@sahra.org.za
CaseID: 15783

Date: Friday March 12, 2021
Page No: 1

Interim Comment

In terms of Section 38(8) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Triplo4 Sustainable Solutions (Pty) Ltd

Proposed transmission line from Port of Ngqura to Eskom Dedisa Substation, Coega IDZ

The South African Heritage Resources Agency (SAHRA) would like to thank you for submitting the Draft Environmental Impact Assessment Report for the Proposed Gas to Power Powership Project at the Port of Ngqura and Coega SEZ, Nelson Mandela Bay Metropolitan Municipality, Eastern Cape, South Africa.

The project entails the generation of electricity from floating mobile powerships moored in the Port of Ngqura including three ships berthing during the project lifespan namely a Floating Storage Regasification Unit (FSRU), and two Powerships. A subsea gas pipeline will connect the FSRU to the powership and a transmission line from the powership will feed the substation and national grid.

Although most of the proposed project is land based, the Maritime and Underwater Cultural Heritage (MUCH) unit is required to comment on the proposed subsea gas pipeline. The FSR indicates that there are two proposed alternative routes for the pipeline, the first is routed along the eastern edge of the existing breakwater towards the craft basin and is approximately 1.4km long, the 2nd alternative is routed along the eastern breakwater and existing roads and is approx. 0.7km long. The pipeline will be brought to site in sections and assembled ready for installation, the pipeline is likely to be mounted on small footings.

SAHRA commented on the Draft Scoping Report (DSR) in December 2020 where it was noted that although a Heritage Impact Assessment (HIA) had been undertaken to assess any possible impacts on terrestrial heritage, no work was undertaken to assess any impacts on maritime heritage. Despite this, the MUCH unit at SAHRA considered the possibility of any impact on maritime heritage resources to be low due to the extensive development of the area in previous years and so it was recommended that *"...the laydown area for the pipeline must be surveyed for heritage resources prior to the laying of the pipeline. Should the survey data reveal any resources of interest, input on mitigation of impacts to such resources must be sought from a suitably qualified specialist."* SAHRA also advised that *"...there is still a chance that historic remains could be uncovered during the works. In this case all works must cease and may not commence until SAHRA has been*

Our Ref:



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Enquiries: Briege Williams
Tel: 021 462 4502
Email: bwilliams@sahra.org.za

Date: Friday March 12, 2021

Page No: 2

CaseID: 15783

contacted to advise the way forward."

In January 2021 SAHRA received a letter from maritime archaeologist Vanessa Maitland containing a brief desktop study of the MUCH resources at the Port of Ngqura. This indicated that both areas proposed for the laying of the pipeline had already been extensively dredged far below the historic ground level and concluded that it is extremely unlikely that any heritage resources remain. She noted in her letter the presence of unknown wooden wreckage lying in the inshore area of the proposed pipeline and recommended that the area is monitored by an archaeologist during excavations for the pipeline.

SAHRA responded to the letter in January 2021 and agreed to the terms set out in the letter and supported the mitigation measures.

SAHRA is therefore disappointed to note that the DEIA makes no reference to maritime heritage despite part of the project being below the high-water mark and despite the inclusion of a MUCH report as an addition to the HIA. SAHRA's comments which were provided for the DSR phase of the project have not been considered for inclusion in the DEIA and the mitigation measures recommended in the MUCH report have not been added into the document.

While the possibility of encountering maritime heritage is considered to be low, mitigation measures must be referenced in the EIA so that should heritage resources be encountered during the proposed work, then the correct protocol will be followed.

SAHRA insists that a paragraph must be inserted under section 8.3.12 (Heritage, Archaeology and Palaeontology) to note the need for input on mitigation of impacts to maritime and underwater cultural heritage resources should they be discovered during the pipeline laydown area survey. Section 4.2.1 must also refer to Maritime heritage to show that its presence has been considered.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Yours faithfully

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CaseID: 15783

Date: Friday March 12, 2021
Page No: 3

Briege Williams
Heritage Officer
South African Heritage Resources Agency

Lesla la Grange
Manager: Maritime and Underwater Cultural Heritage
South African Heritage Resources Agency

ADMIN:

Direct URL to case: <https://sahris.sahra.org.za/node/545710>
(, Ref:)

Terms & Conditions:

1. This approval does not exonerate the applicant from obtaining local authority approval or any other necessary approval for proposed work.
2. If any heritage resources, including graves or human remains, are encountered they must be reported to SAHRA immediately.
3. SAHRA reserves the right to request additional information as required.



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Dr Kgosientsho Ramokgopa
a/ Head: Infrastructure South Africa
Chairperson: SIP Steering Committee
Email: Boitumelom@presidency.gov.za
Kgosientsho@presidency.gov.za

To Whom It May Concern,

**STRATEGIC INTEGRATED PROJECT (SIP) 20a EMERGENCY / RISK MITIGATION
POWER PURCHASE PROCUREMENT PROGRAMME (2000 MW) –
ACKNOWLEDGEMENT OF PROJECT STATUS**

The Risk Mitigation (Independent) Power Purchase Procurement Programme (RMPPPP) forms part of the Energy Strategic Integrated Project No. 20, which was gazetted in Government Gazette 43547 on 24 July 2020. These projects are classified as Strategic Integrated Projects (SIP) and are to be managed within the requirements as set out in the Infrastructure Development Act (Act No. 23 of 2014).

As per the announcement of the Honourable Mr. Gwede Mantashe, Minister of the Department Mineral Resources and Energy (DMRE), on the 18th of March 2021, the following projects received Preferred Bidder status within the RMPPPP:

- i. **Karpowership SA Coega (Project No. RM-TA-0145-001)**
- ii. **Karpowership SA Richards Bay (Project No. RM-TA-0145-002)**
- iii. **Karpowership SA Saldanha (Project No. RM-TA-0145-003)**

The SIP Steering Committee of 6 November 2020 confirmed that all projects classified with Preferred Bidder status within the RMPPPP will be regarded as SIP projects to be expedited in terms of Schedule 2 (Section 17(2)) of the Infrastructure Development Act (Act No. 23 of 2014).

The following individuals from Infrastructure South Africa are responsible for the Energy Infrastructure Portfolio and SIP 20a, and may be contacted for further assistance:

STRATEGIC INTEGRATED PROJECT No. 20a: RMPPPP	
<i>Alvino Wildschutt-Prins</i>	<i>Gary King</i>
Overall Management and Lead SIP Programme Management Office	SIP 20 Lead
Alvino@presidency.gov.za	garyk@idc.co.za
Mobile: 072 650 2449	Mobile: 063 503 2662 / 082 885 0636

I hereby request that you please assist the Preferred Bidders with the necessary approvals, authorisations, licences, permissions and exemptions, as determined within the boundaries of the Infrastructure Development Act (Act No 23 of 2014). Your assistance will be much appreciated.

We wish the Preferred Bidders all the best in the development of this project.

Yours sincerely,



Dr Kgosientsho Ramokgopa

Chair: Strategic Integrated Project Steering Committee

Date: 29 March 2021