



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 Richards Bay (RF) Proprietary Limited
Reg. No: 2020/754352/07

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

Private limited liability Company

- **Applicant:**

Applicant	Registration Number
Karpower SA Richards Bay (RF) Proprietary Limited	2020/754352/07

- **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



Coegha (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

- 1) 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.**
- 2) 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

Richards Bay Powership

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

28°47'37.56"S, 32° 1'47.52"E

C3 Address of generation station

Port of Richards Bay

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)

N/A

Planned Capacity (nameplate rating)

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

The contract capacity for the Richards Bay 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	3,953,678	96,431	3,857,247
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

- Redacted

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

- **Contractual Arrangement:-**

Redacted

Notes to Section D

3) 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**

Redacted

Attachment: See Item 2 in the Support Documents - Table of Contents. **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.

- Redacted. **Attachment:** 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)

- (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

- (Redacted)

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

(Redacted)

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

- **Attachment:** See Item 3 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: -**

(Redacted)

Attachments:

See Item 6 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

- (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.

- (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.

- (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.

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

- Redacted

SECTION H HUMAN RESOURCES INFORMATION

H1 Submit details of the number of staff and employees and their categories in the service of the applicant at the generation station and in any support services separate from the generation station. Also provide information regarding relevant qualifications and experience in critical areas e.g. Professional registration (Engineering Council of South Africa – ECSA), Government Certificate of Competency.

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

(Redacted)

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

(Redacted)

3. Training and Powership Academy

(Redacted)

Please refer below for detailed job creation numbers that have been submitted as part of the RMIPPPPP (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 Transnet National Ports Authority 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

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 the independent Legal Opinion attached to this form.

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

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.

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

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

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

Site walkover of the preferred alignment will be conducted next week and the permits 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 alignment will be conducted next week and the permits compiled for submission DFFE.

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

Site walkover of the preferred alignment will be conducted next week and the permits compiled for submission to DFFE.

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

Site walkover of the preferred alignment will be conducted next week and the permits 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. Comments were received from AMAFA. A Phase II Mitigation Permit from SAHRA will be required if any archaeological material is removed from 'the site'. This would apply during monitoring of vegetation clearing operations and bulk earthworks/excavations (terrestrial and underwater component). Please refer to attached AMAFA comments. **Attachment:** See Item 9 in the Support Documents - Table of Contents .

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

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

MUNICIPAL CONSENTS:

Controlled Emitters in terms of the NEMAQA:

Applications are currently being compiled for submission to the Local Authority – King Cetshwayo District 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:

(Redacted)

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)

Attachment: See Item 16 in the Support Documents - Table of Contents. (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:

Karpower SA Richards Bay (RF) Proprietary Limited

TABLE OF CONTENTS:

SUPPORTING DOCUMENTS - KARPOWERSHIP RICHARDS BAY

	TABLE OF CONTENTS
ITEM	DESCRIPTION
1.	Section C – Richards Bay 132kV Switching Station Rev5
2.	Section D – KPS RSA GSA Term Sheet - (Fuel Co - Richards Bay) 13.12.2020 Redacted
3.	Section F – Transmission Agreement (PROFORMA) 25.11.2020 Redacted
4.	Section F - CEL 04-11-2020 Redacted
5.	Section F – Richards Bay Single Line Diagram rev3
6.	Section F - RMIPP RFP - Power Purchase Agreement Redacted
7.	Section G Annex - II - RBay Redacted
8.	Section H - Job Creation Table Operating Measurement Period Redacted
9.	<u>Section I – Environmental and safety permit documents</u>
	2020 10 20 Memo to Triplo4 re Karpowership WML Richards Bay
	Coastal Discharge Permit Feedback
	Karpowership Richards Bay - Response to SAHRA - 29 March 2021
	Letter from DEFF
	Letter from water and sanitation
	Richards Bay Powership project response to letter
	WULA - Proof of Submission- Richards Bay - Phase 1
10.	Section J - BBBEE Appendices – Richards Bay Redacted
11.	Section J - Ownership Bid Response Redacted

12.	Section J - Management Control Redacted
13.	Section J - Skills Development Plan Redacted
14.	Section J - Supplier Development Plan Redacted
15.	Section J - Enterprise Development Plan Redacted
16.	Section K – Letter of Appointment Redacted
17.	SIP 20a Preferred Bidder Karpowership - SIP Status RMIPPPP 29032021

CONDUCTORS

① 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

[illegible]

CONDUCTORS

2 X 954 MCM ACSF Conductors

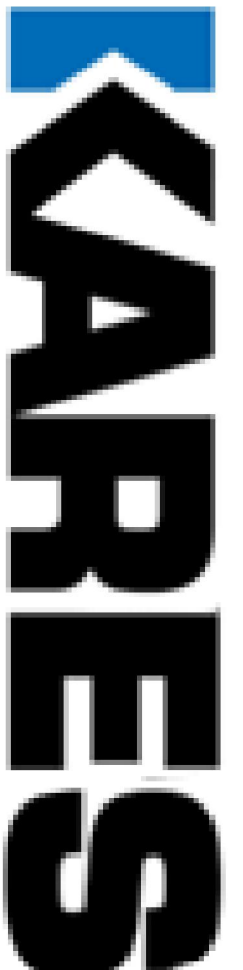
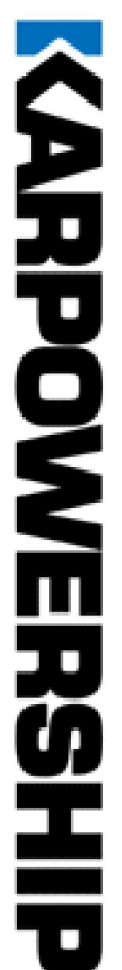
II 1 X 954 MCM ACSF Conductors

III 96 mm² Earth wire conductors

EQUIPMENT LIST

[illegible]

Date / Tarix		Revised by



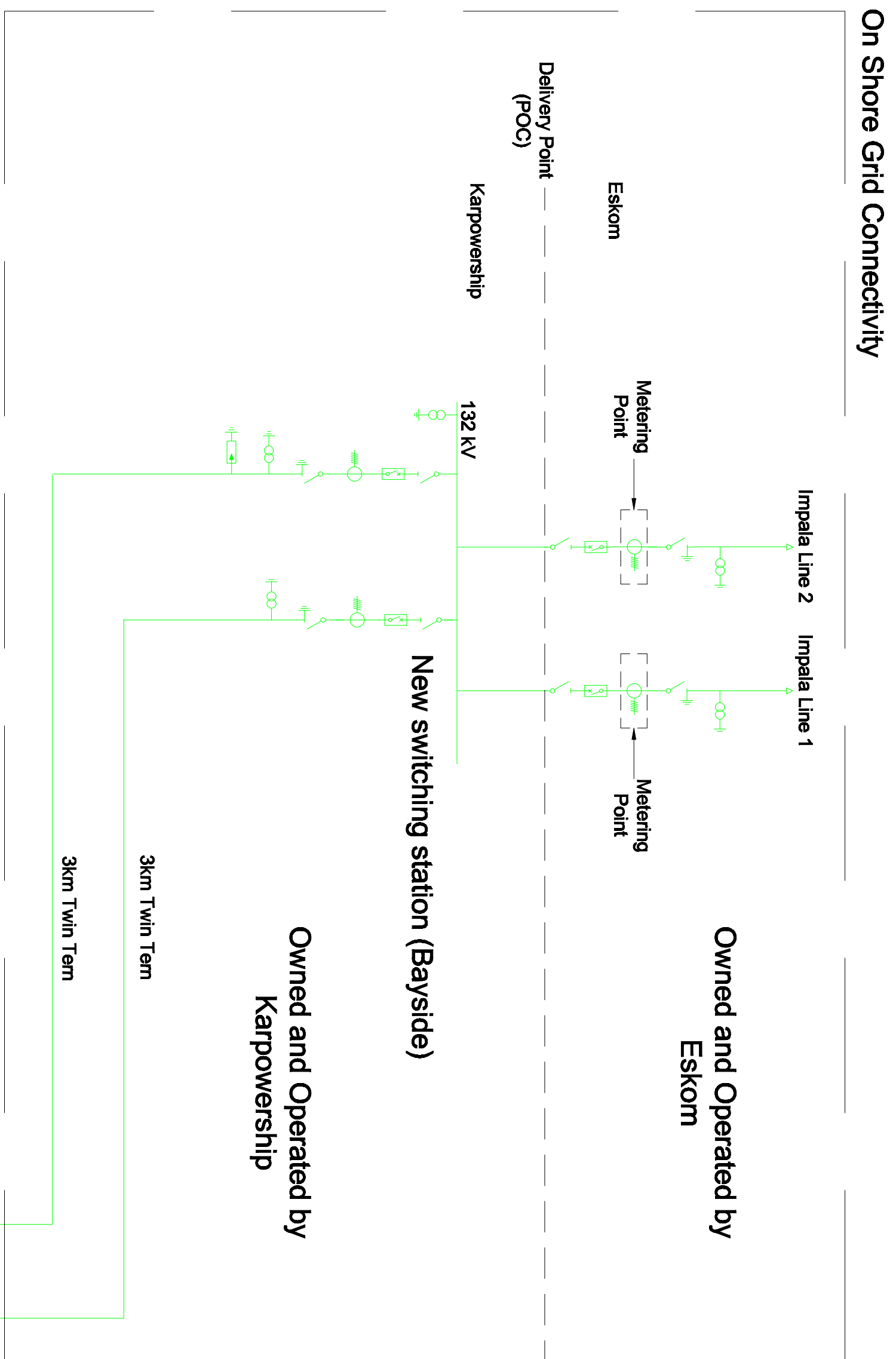
Design/Tasarım

Drawn By / Çizim	Murat AYVAZ	Date / Tarih	21.09.2020
Prepared By/Hazırlayan	Murat AYVAZ	Date / Tarih	21.09.2020
Checked By/Kontrol	Murat AYVAZ	Date / Tarih	21.09.2020

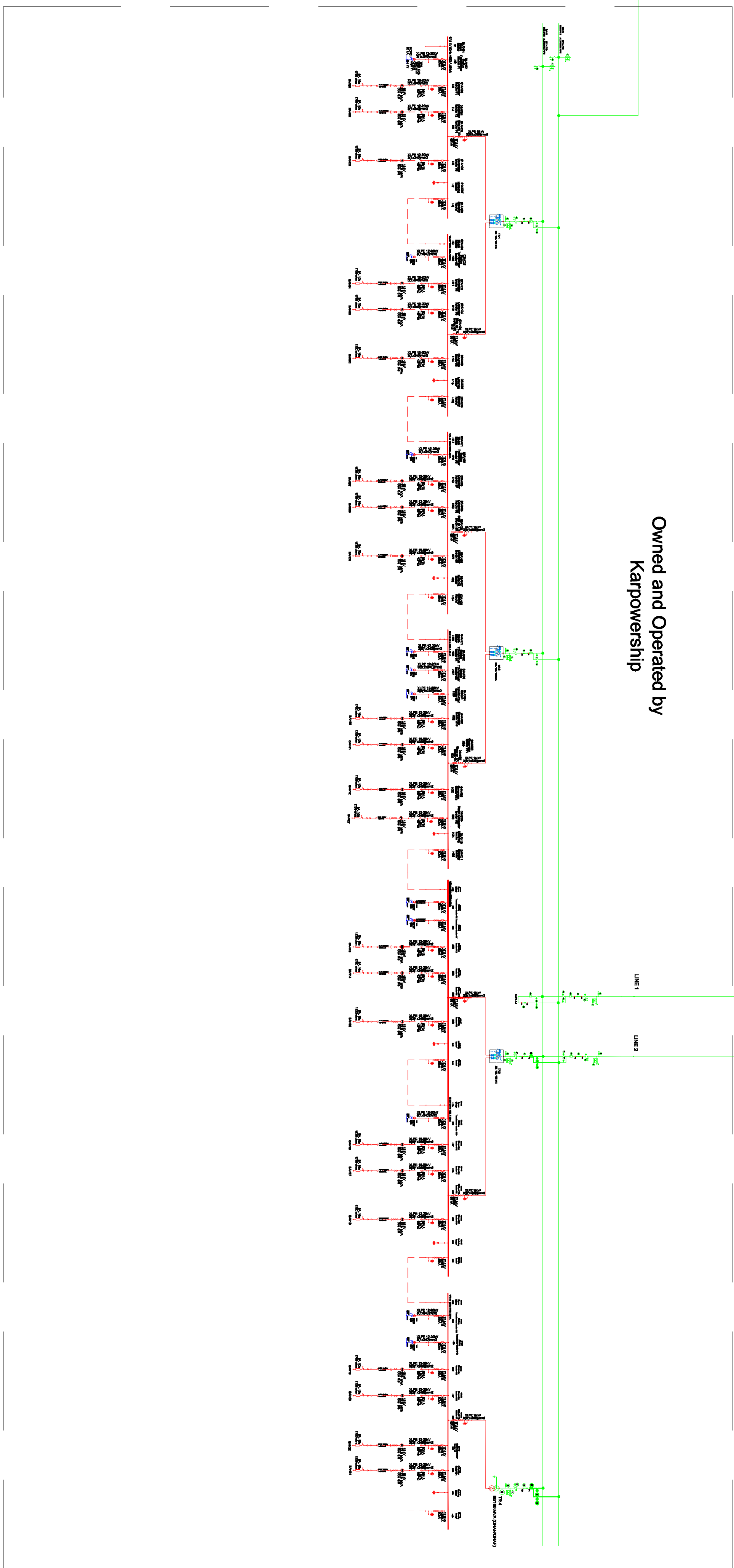
Drawing Name / Çizim Adı :

RICHARDSBAY
SINGLE LINE DIAGRAM

Drawing No / Çizim No	Revision/Sürüm	Sheet No/Sayfa No.	Scale/Ölçek	Size/Boyut
KPS-16-RDB-PLN-001	2	1 OF	N.T.S	A1

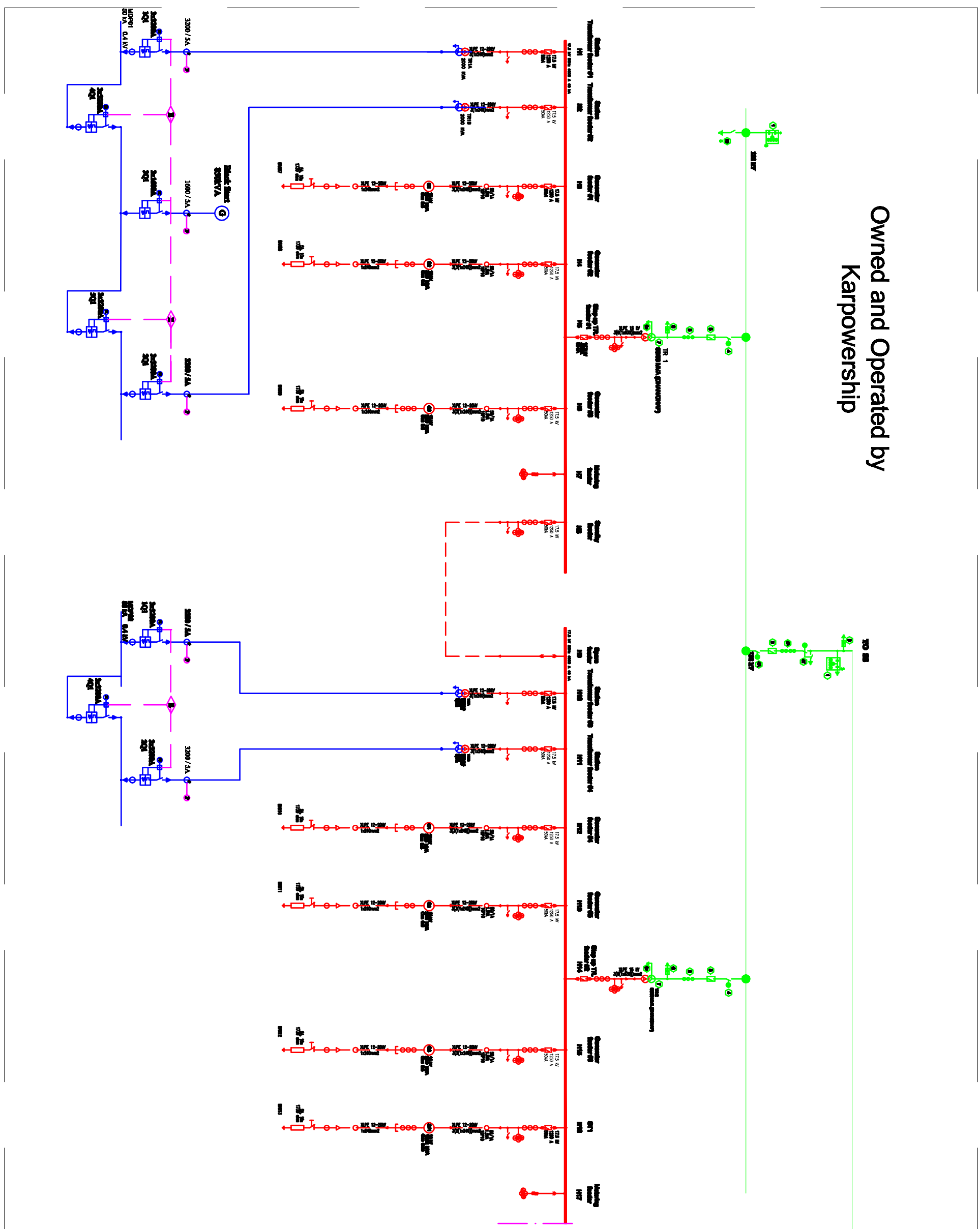


On Shore Grid Connectivity



Khan Class Powership

Owned and Operated by
Karpowership



**Owned and Operated by
Karpowership**

Shark Class Powership



Email: janicetooley@jtaenvirolaw.com
Cell: 083 650 5691

20 October 2020

PER EMAIL: Ms Hantie Plomp
Triplo4 Sustainable Solutions
hantie@triplo4.com

Dear Hantie

**MEMORANDUM OF ADVICE: KARPOWERSHIP: WASTE MANAGEMENT LICENCES:
PORT OF RICHARDS BAY**

1. Triplo4 has asked me to provide a memo on whether Karpowership SA (Pty) (Ltd) requires a waste management licence in terms of the National Environmental Management: Waste Act 59 of 2008 (NEMWA) for its project at the Port of Richards Bay.
2. Section 20 of NEMWA prohibits a person from commencing, undertaking or conducting a waste management activity, except in accordance with prescribed norms and standards, or a waste management licence in respect of that activity, if a licence is required. Further, it is an offence to contravene Section 20.
3. Waste management activities are listed under Government Notice (GN) 921 in Government Gazette 37083 of 29 November 2013 (as amended by GNs 332, 633 and 1094 of 2 May 2014, 24 July 2015 and 11 October 2017 respectively).
4. Activities listed under Categories A and B require a waste management licence while those activities listed under Category C, require compliance with prescribed norms and standards.
5. It is understood from the information provided by Karpowership that the waste streams generated by the project will be mainly waste from the repair and maintenance of the Powerships and Floating Storage Regasification Unit (FSRU) including used oil, scrap metals, plastics, oily rags, bilge water, empty chemical and paint containers, used light bulbs and tubes, used batteries, paper, packaging, as well as kitchen waste, sewage

-
- and grey water from the ablution facilities and a small amount of healthcare risk waste from the on-board clinic. All waste will be stored on board temporarily and at regular intervals collected from the vessels for off-site treatment and/or disposal by authorised service providers.
6. Triplo4, the independent Environmental Assessment Practitioner has compared all Karpowership's anticipated waste activities against the waste management activities listed under NEMWA and determined that no activities listed in Category A or B activities are triggered, and for this reason, no waste management licence is required.
7. Having considered the waste-related information provided by Karpowership to Triplo4, I concur with Triplo4's findings that no waste management licence is required.
8. Triplo4 also considered Category C waste management activities, which do not require a waste management licence but do require compliance with the relevant norms and standards. The following two Category C activities were identified as being potentially relevant to the Karpowership project:
- 8.1. 5(1): The storage of general waste at a facility that has the capacity to store in excess of 100m³ of general waste at any one time, excluding the storage of waste in lagoons or temporary storage of such waste.
- 8.2. 5(2): The storage of hazardous waste at a facility that has the capacity to store in excess of 80m³ of hazardous waste at any one time, excluding the storage of hazardous waste in lagoons or temporary storage of such waste.
9. However, given that Karpowership's various waste streams which will be stored separately in relatively small receptacles and containers around the Karpowership vessels close to where the waste is generated until collected by authorised service providers either for recycling or disposal, and because there will be no waste facility on board as defined¹ that will exceed the prescribed thresholds, these two Category C activities are also not applicable.

I trust that the memo provides the information requested by Triplo4 at the level and for the purpose for which such advice was sought.

¹ Definition of facility in GN 921 GG of 37083 of 29 November 2013 (as amended): *"facility" means a place, infrastructure, structure or containment of any kind including associated structures or infrastructure, wherein, upon or at, a waste management activity takes place and includes a waste transfer facility, a waste storage facility, container yard, waste disposal facility, incinerators, lagoons, recycling, co-processing or composting facilities.*

Please do not hesitate to contact me should you require clarity on the contents hereof.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'J Tooley', with a stylized flourish at the end.

Janice Tooley



**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

Date: 29 March 2021

Our Ref: E-BL01.200446

Email reply to: ppprbay.triplo4@gmail.com / hantie@triplo4.com

Attention: Ms Briega Williams – South African Heritage Resources Agency (SAHRA)

Subject: RE: Comments on the proposed Gas to Power powership project at the Port of Richards Bay

Dear Ms Williams,

Thank you for SAHRA's participation and comments on the draft EIA Report of 9 March 2021.

The description of the project in your letter is correct, but please just note that the length of the preferred route for the gas pipeline is approx. 1700m long (and not 1400m as stated), as indicated in Section 3.2.2 of the draft EIA Report – Gas pipeline alternatives.

I confirm Triplo4 did receive and consider SAHRA's comments on the Draft Scoping Report, and a response was provided to SAHRA at the time (November 2020), indicating that the Heritage Impact Assessment (HIA) Report had included the laydown area for the gas pipelines (to be located near the starting point of the transmission line), and that no findings were reported. This response had specifically addressed your comment that *"the laydown area for the pipeline must be surveyed for heritage resources prior to the laying of the pipeline"*, by clarifying that the laydown area for the pipeline had already been assessed in the Heritage Study.

In addition, SAHRA comments received as part of Scoping were considered in drafting the EIA Report and mitigation measures were included in the draft EMPr to address SAHRA's concern 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"*. Sections 7.3.10 and 7.6.21 deal with management and protection of Heritage Resource, and the various mitigation actions that have been recommended include the following –

- If an artefact on site is uncovered, work in the immediate vicinity must be stopped immediately.
- Approval must be obtained from the provincial heritage authority, should there be the need to demolish any sites of archaeological and cultural significance. Demolition / construction work must only commence once the provincial heritage authority's approval has been obtained.

- Work may only resume once clearance is given in writing by an archaeologist.

As stated in your comments on the draft EIA Report, the possibility of any impact on maritime heritage resources is considered low. Similarly so, the HIA found the following, as reported in figures 5-8, page 16 last 2 paragraphs of the HIA Report (contained in Appendix I to the draft EIA report):

- The area where the Powerships will be moored is a newly dredged part of the harbour, where several meters of marine deposit were removed approx. 10 years ago.
- In addition, the harbour was built in 1970s (previously it was a dense swampland) and there was no maritime activity as there was no way for ships to enter the river mouth.
- It is further emphasised by the Heritage specialist that the entire area was removed and rebuilt and there cannot be any underwater features and no maritime heritage in this area.

For completeness and better clarity as you have requested, the above points referring to the maritime heritage will be added to the final EIAR in Section 4.2.1 (Baseline – cultural heritage), as well as Section 8.3.13 (Specialists’ Findings and Recommendations – Cultural Heritage (including Archaeology) and Palaeontology). The mitigations measures within the EMPr will also be further revised to clearly indicate reference to both terrestrial and maritime heritage.

We trust this response addresses SAHJAR’s comments and provides the necessary clarity that based on historic information as well as site visit conducted by a Heritage specialist, *“there cannot be any underwater features and no maritime heritage in this project area”*. In the unlikely event however, that maritime heritage is encountered during the construction phase, the necessary mitigation measures have been included in the EMPr for implementation.

Thank you again for your participation and I trust this response addresses all your enquiries. Please do not hesitate to contact us should you have any further queries.

Yours sincerely,



Ms. Hantie Plomp (Managing Director)

📮 PO Box 6595, Zimbali, 4418

💻 E-mail: ppprbay.triplo4@gmail.com / hantie@triplo4.com

☎ Phone: (032) 9463213

☎ Fax: (032) 9460826



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: 14/12/16/3/3/2/2007

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 RICHARDS BAY WITHIN THE UMHLATHUZE LOCAL MUNICIPALITY IN THE KWAZULU NATAL 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.

(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 KZN Department of Economic Development, Tourism and Environmental Affairs, 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 KwaZulu-Natal Department of Economic Development, Tourism and Environmental Affairs 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 expert 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 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.
- (vii) 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 amended, 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



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Enquiries: Ms A Steenkamp
Telephone: +27313362957
Ref. No: WU18300

Mr. M Katmer
Karpowership SA (Pty) LTD
PO Box 619 Pretoria, Gauteng
0027

Dear Mr. M Katmer,

WATER USE LICENCE APPLICATION IN TERMS OF SECTION 40 OF THE NATIONAL WATER ACT, 1998 (ACT 36 of 1998), Pongola - Mzimkhulu - Durban.

The Department of Water and Sanitation has assessed your water use licence application that was submitted on 19 Nov 2020. In order for the Department to further process your application the following additional is requested;

Technical Documentation
1:50 000 topographic map
Alternatives Report and Map
BBEEE Certificate
Certified copy of ID of applicant
Civil Report and Designs
Clearance letter from the Department of Rural Development and Land Reform
Contingency Plans
EIA Report / Environmental Authorisation
Environmental Management Plan Report
Estuarine Assessment Report
Financial Provision Letter
Geohydrological Report
Geotechnical Studies
Hydrological Report
Hydropedological Report
Integrated Water and Waste Management Plan
Lease Agreements

Master Layout Plan
Method Statement
Monitoring programme (surface and groundwater, and Biomonitoring)
Proof of payment of licence processing fee/Letter of waiver from DWS
Property Zoning Documents
Public Participation Report
Section 27 Motivation
Service Level Agreements
Stormwater Management Plans
Title Deeds
Water Balance
Wetland Assessment Report

The information requested must be submitted to the Department within the gazetted regulated timeframe.

Failure to submit the required information will result in the Department making a decision based on the available information.

Should you wish to make any further enquiries in this regard please do not hesitate to contact Ms A Steenkamp at telephone number +27313362957.

Yours faithfully,

Recommend

Comments:



I, Mr Jay Reddy (Director: Institutional Establishment) herewith electronically sign this document.

Electronic Signature Key : 4988814094182510425

Director: Institutional Establishment

Date: Dec 10 2020 9:26AM



an agency of the
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za
South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
www.sahra.org.za

Enquiries: Briege Williams
Tel: 021 462 4502
Email: bwilliams@sahra.org.za
CaseID: 15688

Date: Tuesday March 30, 2021
Page No: 1

Letter

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

Attention: Triplo4 Sustainable Solutions (Pty) Ltd

Power generating ship and related powerlines, Richards Bay, KZN

The South African Heritage Resources Agency (SAHRA) would like to thank you for the letter issued in response to SAHRAs comment for the Draft Environmental Impact Assessment Report and Draft Environmental Management Programme for the Proposed Gas to Power via Powership Project at the Port of Richards Bay, uMhlathuze, KwaZulu-Natal, South Africa.

In the comment dated March 2021, SAHRA raised a number of concerns regarding the issue that Maritime and Underwater Cultural Heritage (MUCH) has not been properly addressed or referred to in the DEIA or the DEMPr. The letter of response from Triplo4 has aimed to address these concerns, however, SAHRA still feels that the presence of Maritime and Underwater Cultural Heritage has not been properly considered.

In paragraph 2 of the letter in response to the section of SAHRAs comment that reads "*the laydown area for the pipeline must be surveyed for heritage resources prior to the laying of the pipeline*", the letter states that "*the laydown area for the pipeline had already been assessed in the Heritage Study*" and that "*the Heritage Impact Assessment (HIA) Report had included the laydown area for the gas pipelines (to be located near the starting point of the transmission line), and that no findings were reported.*" However, neither the HIA nor the DEIA make any reference to there being any investigation of any of the proposed pipeline below the high-water mark, ie the subsea pipeline, both reports only refer to land based investigations and do not specifically mention the marine pipelines. The HIA report had included the laydown area for the gas pipelines (to be located near the starting point of the transmission line) but this is not addressing the below water impacts.

Paragraph 3 of the letter states that "*Sections 7.3.10 and 7.6.21 deal with management and protection of Heritage Resource*" and that various mitigation actions that have been recommended, however, maritime archaeology is not specifically mentioned and SAHRA is not listed as the contacting authority which deals underwater cultural heritage.

Our Ref:



an agency of the
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za
South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
www.sahra.org.za

Enquiries: Brieg Williams
Tel: 021 462 4502
Email: bwilliams@sahra.org.za
CaseID: 15688

Date: Tuesday March 30, 2021
Page No: 2

Paragraph 4 of the letter refers to the HIA report, specifically Figures 5-8 which show the land based power lines, however these figures do not show the route for the below water gas pipeline. Had the proposed gas pipelines been added to these maps, it would show that the proposed laydown area has not been swampland for some time and was in fact an open water lagoon as shown on the 1937 aerial photograph. While the area has been subject to dredging and other impacts during the development of the port, it is inaccurate to say that there cannot be any maritime heritage in this area. The history of Richards Bay shows that there has been maritime activity in the area for some time and was considered numerous times for harbour development.

SAHRA appreciates the response given in paragraph 5 which states that sections 4.2.1 and 8.3.13 of the DEIA will be updated to include references to maritime heritage and that mitigation measures in the DEMPr will also be revised to refer to maritime heritage.

SAHRA would like to emphasise that while the presence of maritime heritage along the route of the subsea cables is considered low, there still needs to be a reference to it in both the DEIA and DEMPr. Currently there is no mention of maritime heritage at all in either report however SAHRA is pleased to note that the Environmental Practitioner has stated that the relevant sections, as requested by SAHRA (4.2.1 and 8.3.13), will now be updated.

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

Yours faithfully

Brieg Williams
Heritage Officer
South African Heritage Resources Agency

Our Ref:



an agency of the
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za
South African Heritage Resources Agency | 111 Harrington Street | Cape Town
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Enquiries: Briege Williams
Tel: 021 462 4502
Email: bwilliams@sahra.org.za
CaseID: 15688

Date: Tuesday March 30, 2021
Page No: 3

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/543517>

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.

From: Shanice Singh <shanice@triplo4.com>
Sent: 19 November 2020 02:25 PM
To: DAVID CLARK; PINAR GÖL; MEHMET KATMER; PATRICK O'DRISCOLL; Ravin Rajoo
Cc: Hantie Plomp; Melissa Gopaul; Zayd Hoosen; Prof David Mabunda
Subject: WULA - Proof of Submission: Richards Bay - Phase 1

Good afternoon all,

Please see proof of submission of the WULA Phase 1 for the Port of Richards Bay.

Applicant - Main Menu x + You are screen sharing

www.dwa.gov.za/ewulaasprod/ExtMain.aspx

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Enquiries/Current Applications Phase 1: Application Water Uses Properties Administrative Docs Submit Application Phase 2: Site Visit Confirm Site Visit Phase 3: Tech Report Appli

SUBMIT PHASE 1: APPLICATION

View DW755 Summary Report

WATER USER INFORMATION

e-WULAAS Electronic Signature

I Mr Mehmet Katmer herewith electronically sign the Richards Bay

Mr Mehmet Katmer
Signature

Business Development Director
Designation of signatory

Nov 19 2020 1:50PM
Date

Request Secure Electronic Signature Passcode Enter Electronic Signature Passcode 993122

Enter any comments you want to appear next to you signature here

Sign

APPLICATION INFORMATION

Description of Activities in Relation to the Water Use Application

The Project entails the generation of electricity from floating mobile Powerships moored in the Port of Richards Bay. The Powerships are 540MW, which comprises of 27 gas engines and 3 steam turbines. A Float intended for use and will act as the storage and regasification facility and a Liquefied Natural Gas (LNG) to the FSRU over a 1 to 2 day period approximately every 20 days. From the Powership, pipeline over a distance of approximately 3 km to the tie in point to the Eskom line, at a connection point (station) in proximity to the existing Bayside Substation, which feeds into the national grid. DWS to the Port of Richards Bay.

Pre Application Enquiry Submission Date 10/21/2020 8:40:49 AM

Read www.dwa.gov.za Mrs Hantie Plomp

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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 Logout

APPLICATION STATUS

Water User Karpowership SA (Pty) LTD

Application Proposed Gas to Power Powership at Port of Richards Bay

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

#	Date	Applicant	Department
1	11/19/2020 1:59:42 PM		Site Inspection Determinations
2	11/13/2020 1:42:37 PM	Applicant : Prepares WUL Application for submission	
3	10/23/2020 11:09:31 AM		Pre Application Enquiry
4	10/21/2020 12:25:13 PM		Pre Application Enquiry
5	10/21/2020 8:40:51 AM	Applicant : Prepares Pre-application for submission	

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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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PUBLIC WORKS AND INFRASTRUCTURE
INFRASTRUCTURE SOUTH AFRICA
REPUBLIC OF SOUTH AFRICA

Department of Public Works and Infrastructure | Central Government Offices | 256 Madiba Street | Pretoria | Contact: +27 (0)12 406 1627 | +27 (0)12 323 7573
Private Bag X9155 | CAPE TOWN, 8001 | RSA 4th Floor Parliament Building | 120 Plain Street | CAPE TOWN | Tel: +27 21 402 2228 Fax: +27 21 462 4592
www.publicworks.gov.za

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