APPENDIX L

AMENDED APPLICATION FORM

forestry, fisheries & the environment
Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

Private Bag X447, Pretoria, 0001, Environment House, 473 Steve Biko Road, Pretoria, 0002 Tel: +27 12 399 9000, Fax: +27 86 625 1042

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION – AUGUST 2023

Application submitted for authorisation in terms of the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment (EIA) Regulations, 2014, as amended (the Regulations)

PROJECT TITLE (*This must include local municipality and/or district municipality and province*)

Proposed 750MW Combined Cycle Gas Turbine Power Plant in Richards Bay, City of uMhlathuze Local Municipality, King Cetshwayo District Municipality, Kwazulu-Natal

Indicate if the **DRAFT** report accompanies the application *(tick/select one box)*	YES ☒
	NO ☐

PRE-APPLICATION CONSULTATION

Was a pre-application meeting held	YES ☒	NO ☐
Date of the pre-application meeting	08 February 2024	
Reference number of pre-application meeting held	2024-01-0024	
Were minutes compiled and submitted to the Department for approval	YES ☒	NO ☐
A copy of the approved pre-application meeting minutes must be appended to this application as **APPENDIX 1**.		

The processing of personal information by the Department of Forestry, Fisheries and the Environment is done lawfully and not excessive to the purpose of processing in compliance with the POPI Act, any codes of conduct issued by the Information Regulator in terms of the POPI Act and / or relevant legislation providing appropriate security safeguards for the processing of personal information of others.

IMPORTANT INFORMATION BEFORE COMPLETING THIS APPLICATION FORM:

1. General:

1.1. The appointed environmental assessment practitioner (EAP) **must be registered with Environmental Assessment Practitioners Association of South Africa (EAPASA)** in terms of Regulation 14 of Section 24H Registration Authority Regulations, 2016, as amended. Proof of such valid registration must be appended to this Application form. (**APPENDIX 6B**). This will be confirmed by the Competent Authority (CA) on the EAPASA website.

1.2. The EAP candidate may only **assist** the registered EAP and work under the supervision of a registered EAP (Regulation 14(6) in the S24H Registration Authority Regulations, 2016, as amended). The registered EAP takes full responsibility for the work conducted.

1.3. This form must always be used for applications that must be subjected to Basic Assessment or Scoping & Environmental Impact Assessment Reporting where the Department of Forestry, Fisheries and the Environment (DFFE) is the Competent Authority (CA).

1.4. The required information must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing. A legible font type and size must be used when completing the form. The font size should not be smaller than 10pt (e.g. Arial 10).

1.5. Unless protected by law, all information contained in and attached to this application, will become public information on receipt by the Competent Authority. Upon request during any stage of the application process, the Applicant / EAP must provide any registered interested and affected party with the information contained in and attached to this application.

1.6. This application form is current as of August 2023. It is the responsibility of the Applicant/Environmental Assessment Practitioner (EAP) to ascertain whether subsequent versions of the form have been published or produced by the Competent Authority. The latest available Departmental templates are accessible at https://www.dffe.gov.za/documents/forms/legal

1.7. The onus is on the Applicant/EAP to confirm whether DFFE is the Competent Authority to which this application must be submitted (Section 24C of NEMA) and to determine all applicable listed activities that would require Environmental Authorisation prior to the commencement of the construction activities. Should any revision of your development comprise any other activities that constitute a listed activity/ies as defined in Listing Notice 1, 2, or 3 of the EIA Regulations, 2014 as amended, it must also form part of the Application for Environmental Authorisation.

1.8. An application for Environmental Authorisation lapses if the applicant fails to meet any of the timeframes prescribed in terms of the EIA Regulations, 2014, as amended.

1.9. An application for environmental authorisation **must** be accompanied by a report generated by the web based environmental screening tool (in **APPENDIX 14**). This has been stipulated as a requirement for the submission of applications for environmental assessment in the Environmental Impact Assessment Regulations. The Screening Tool allows for the generation of a Screening Report referred to in Regulation 16(1)(b)(v) of the Environmental Impact Assessment Regulations 2014, as amended, whereby a Screening Report is required to accompany any application for Environmental Authorisation.

1.10. If applicable, written confirmation that the CA has granted permission for the combination of application(s) for an environmental authorization in terms of the provisions of sub-regulation 11(1) of the EIA Regulations, 2014, as amended, must be attached to this application form (under **APPENDIX 15**).

2. Administrative Requirements:

2.1. An application fee is applicable (refer to 2. FEES). Proof of payment **must** accompany this application and be paid prior to the submission of this Application form (**APPENDIX 2**). The application will not be processed without proof of payment unless one of the exclusions provided for in the Fee Regulations is applicable **AND** such information in the exclusion section of this application form has been confirmed by this Department.

2.2. A cover letter on your company letterhead indicating the nature of this application **must** be appended to this form for e.g. new application for Environmental Authorisation, revised updated application for Environmental Authorisation etc.

2.3. An electronic copy of the signed application form must be submitted of both the Applicant and EAP and the signature should not be older than 4 months. The relevant form(s) can be found on our website https://www.dffe.gov.za/documents/forms/legal

2.4. This form must be submitted to the CA in the format as prescribed in the process to upload documents form. Note, that this CA does not accept hard copy documents since June 2020.
2.5. Where required, select the box required. The empty box, once selected, will replace with a X.
2.6. The use of the phrase "not applicable" in the form must be done with circumspection. Where it is used in respect of material information that is required by the Competent Authority for assessing the application, this may result in the application being considered as incomplete as provided for in the EIA Regulations.
2.7. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report and declaration of interest of the specialist must also be submitted. The form can be found on our website https://www.dffe.gov.za/documents/forms/legal
2.8. Please note that this form must be copied to the relevant Provincial Environmental Department(s). Ensure that correct details are found/confirmed/provided.

Competent Authority Details

Online Submission only:
https://sfiler.environment.gov.za:8443/.

Click **https://www.dffe.gov.za/documents/forms/legal** for guidance document which must be complied with in order to upload/submit files to this Competent Authority.

Physical address:
Department of Forestry, Fisheries and the Environment
Attention: Chief Director: Integrated Environmental Authorisations
Environment House
473 Steve Biko Road
Arcadia

For Submission enquiries: Contact the Directorate: IEA Strategic Support, Coordination and Reporting at:
Email: EIAApplications@dffe.gov.za

For EIA related implementation queries:
Email: EIAAdmin@dffe.gov.za

For EIA Related Interpretation queries in terms of the Listed Activities:
Email: IQ@dffe.gov.za

For SIP confirmation, please contact the SIP coordinator at the below contact details:

- Mr Alvino Wildschutt-Prins
  Programme Manager: Infrastructure Pipeline Development & Management
  SIP Programme Management Office
  Cell: 072 650 2249
  Email: alvino@presidency.gov.za
- Mr Avik Singh, Infrastructure Project pipeline (SIP Support)
  AvikS@idc.co.za

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1. COMPETENT AUTHORITY

Identified Competent Authority to consider the application:	Department of Forestry Fisheries and the Environment
Reason(s) in terms of S24C of NEMA:	The proposed generation facility is to be bid in the Department of Mineral Resources and Energy's (DMRE) Gas Independent Power Producer Procurement Programme. Hence, the Minister (DFFE) was identified as the Competent Authority.
Attach proof of Section 24 C (3) agreement, where applicable	Proper motivation must be attached to the application (**APPENDIX 15**)

2. FEES

Applicants are required to tick the appropriate box below to indicate that either proof of payment is attached or that, in the applicant's view, an exclusion applies. Proof of payment or a motivation for exclusions must be attached as **APPENDIX 2** of this application form.

Proof of payment attached	YES ☒	NO ☐
Payment Reference Number	-28.745616; 32.031371	
Exclusion in terms of Regulation 2(a) or 2(b) of GNR 141 of 28 February 2014 (Fee Regulations)	YES ☐	NO ☐

An applicant is excluded from paying fees if:

- The activity is a community based project funded by a government grant; or
- The applicant is an organ of state.

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application (**APPENDIX 2**)	
The activity is a community based project funded by a government grant	☐	
The applicant is an organ of state	☐	
FEE AMOUNT	**Fee**	
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	R2 000	☐
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	R10 000	☒

Department of Forestry, Fisheries and the Environment banking details for the payment of application fees:

Payment/Refund Enquiries:
Email: EIAAdmin@dffe.gov.za

Banking details:

Bank	ABSA Bank
Branch code	632005
Account number	1044 2400 72
Account Type	Current account

Reference number: Reference number to be provided in the specific format indicating centre point coordinates of site in decimal degrees to 5 or 6 decimal places: latitude/longitude

e.g. -33.918861/18.423300 **Status:** Tax exempted

3. GENERAL INFORMATION

PROJECT TITLE (This must include local municipality and/or district municipality and Province)

Proposed 750MW Combined Cycle Gas Turbine Power Plant in Richards Bay, City of uMhlathuze Local Municipality, King Cetshwayo District Municipality, Kwazulu-Natal

Title	***Choose a title***.
Name of the Applicant	Mabasa Energy and Fuels (Pty) Ltd
Surname of the Applicant	-
Name of contact person for applicant (name and surname) (if other)	Bavumile Skhosana
Company/ Trading name (if any)	Mabasa Energy and Fuels (Pty) Ltd
Company Registration Number	2017/049591/07
Physical address	125 Alumina Allee, Richards Bay Industrial Development Zone, Alton, Richards Bay, KwaZulu Natal, South Africa, 3900
Postal address	See above
Postal code	-
Telephone	-
Cellphone	081 319 4285
E-mail	bavumile@mefsa.co.za

Name of the Landowner	Richards Bay Industrial Development Zone Company SOC Ltd (RBIDZ)
Surname of the Landowner	Percy Langa
Postal address	[redacted]
Postal code	
Telephone	
Cellphone	
E-mail	

Name of the Person in control of the land	See above details for landowner
Surname of the Person in control of the land	-
Postal address	-
Postal code	-
Telephone	-
Cellphone	-
E-mail	-

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **APPENDIX 3**.

Unless the application is in respect of linear activities or Strategic Infrastructure Projects as contemplated in the Infrastructure Development Act (Act No. 23 of 2014) and Regulation 39 of the EIA Regulations, 2014, as amended, written consent of landowner/s must be submitted in **APPENDIX 3**.

The signed declaration undertaking by the applicant must be submitted as **APPENDIX 4** **(must not be older than 4 months)**.

Provincial Environmental Authority:	KwaZulu-Natal Department of Economic Development, Tourism & Environmental Affairs
Name of contact person in Environmental Section (name and surname)	Muziwandile Mdamba
Postal address	[redacted]
Postal code	
Telephone	
Cellphone	
E-mail	

Local Municipality	City of uMhlathuze
Name of contact person in Environmental Section (name and surname)	Brenda Strachan
Postal address	[redacted]
Postal code	
Telephone	
Cellphone	
E-mail:	

In instances where there is more than one Local/Provincial Authority involved, please attach a list of those Local/ Provincial Authorities with their contact details as **APPENDIX 5**. Ensure that the details provided above are verified and valid.

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

Company of Environmental Assessment Practitioner (EAP)	Nemai Consulting (Pty) Ltd
EAP name and surname	Donavan Henning
EAP Qualifications and Professional affiliations	MSc Freshwater Ecology Registered EAP (EAPASA Reg. no. 2020/1217) Registered Professional Natural Scientist (SACNASP Reg no: 400108/17)
Physical address	No. 147 Bram Fischer Drive, Ferndale, 2194
Postal address	P.O. Box 1673, Sunninghill
Postal code	2157
Telephone	011 781 1730
Cellphone	082 891 0604
E-mail	donavanh@nemai.co.za

In terms of section 24H of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA), and the S24H Regulations as amended:

Are you a registered environmental assessment practitioner, registered with EAPASA in terms of Regulation 14 of Section 24H Registration Authority Regulations, 2016, as amended.	YES* ☒	NO** ☐
If "**No****" provide proof of appointment letter clearly depicting appointment before the 08 August 2022 as per GNR 1733, Amendment of Section 24H Registration Authority Regulations, 2016, 7 February	Attached as **APPENDIX 6A**	

2022. If you do not attach this proof, you may not commence further with the application, kindly refer to Section 24H Registration Authority Regulations, 2016, as amended.	
If "**Yes***" please provide a **valid** certificate of registration (Please attach under **APPENDIX 6B**) Note that this will be verified with EAPASA.	Attached as **APPENDIX 6B**
Please provide valid EAPASA Registration number.	2020/1217

The appointed EAP must meet the requirements of Regulation 13 of the EIA Regulations, 2014 as amended and Regulation 15(1) of the Section 24H Registration Authority Regulations (Regulation No. 849, Gazette No. 40154 of 22 July 2016, of the National Environmental Management Act (NEMA), Act No. 107 of 1998, as amended. The declaration of independence of the EAP and undertaking under oath or affirmation that all the information submitted or to be submitted for the purposes of the application is true and correct must be submitted as **APPENDIX 6C**.

5. PROJECT DESCRIPTION

Please provide a **detailed** description of the project. Ensure to include all associated infrastructure related to the main facility (*note that the box will expand based on the text included)*:

The Applicant intends to bid for the Gas Independent Power Producers Procurement Programme (GASIPPPP) and has proposed the development of a 750MW Combined Cycle Gas Turbine (CCGT) Power Plant (the "Plant") in Richards Bay, which falls within the City of uMhlathuze. The Project is located within Phase 1F of the Richards Bay Industrial Development Zone (RBIDZ) under a long-term lease agreement. The RBIDZ, which is a Special Economic Zone (SEZ), is a purpose-built and secured industrial estate linked to the Port of Richards Bay (PoRB) which aims to attract local and foreign direct investment.

The earmarked site is located on Erf 16673 in Phase 1F of the RBIDZ, which is approximately 12.7 Ha in extent. The access point to the industrial complex is via Alumina Allee Road, which runs along the eastern boundary of the site.

The Combined Cycle Power Plant (CCPP) Module will consist of a circa 750 MW Power Block. It will consist of two (2) Gas Turbines each having capacity of 250 to 300 MW along with Electrical Generators, two (2) Heat Recovery Steam Generators (HRSGs) and one (1) Steam Turbine Generator (STG) having capacity of 250 to 300 MW. The CCPP is based on the latest state of the art heavy duty industrial type Class F Gas Turbines, which are suitable for base load and mid merit operation in both simple (open) cycle and combined cycle mode.

The Combustion Turbines are capable of firing on a variety of fuels however most commonly natural gas or light distillate oil. The combustion system installed on the units will be configured for natural gas fuel.

The proposed Plant will comprise of the following key equipment:

- Two (2) Class F, heavy-duty combustion turbines and generators;
- Two (2) triple pressure reheat Heat Recovery Steam Generators (HRSGs);
- One (1) condensing steam turbine and generator;
- One (1) de-aerating surface condenser;
- One (1) induced draft cooling tower, or Air-Cooled Condenser (fin-fan radiators)
- Balance of plant (BOP) equipment consisting of Pumps, Heat Exchangers, Transformers, Power Electrics, Storage etc.;
- One (1) integrated plant distribution control system; and
- 400kV Switchyard comprising of three (3) x 15kV to 400kV step-up transformers and two (2) auxiliary transformers (the rating to be defined during detailed design).

The Plant will be designed for base load operations at 500MW in Simple Cycle and 750MW in Combined Cycle on twenty-four hours a day, seven days a week basis. The Plant will be based on a "2+2+1 combination"

comprising of two gas turbines (the "Combustion Turbine") each with a dedicated HRSG to generate and supply steam to a shared steam turbine (the Combustion Turbine, HRSG and steam turbine are together known as the "Power Plant"). Generators attached to each of the Combustion Turbines and steam turbines will supply electrical power to the grid via transformers and a switchyard.

The application excludes the natural gas pipeline and grid connection associated with the proposed development. The Applicant will source the supply and delivery of natural gas from the planned terminal development at the PoRB. The natural gas is expected to be supplied through a pipeline from the Transnet natural gas terminal to the Plant. The PoRB lies approximately 5 km to the south of the site.

5a. RENEWABLE ENERGY DEVELOPMENT ZONES:

Does the project form part of a Renewable Energy Development Zone (REDZ) as per GN 114 ?	**YES*** ☐	**NO** ☒
If "YES*"		
• Confirm Technology	Large Scale Wind ☐	Large Scale Solar PV ☐
• Confirm Zone as per GNR 114 and GNR 142 and 144	Click or tap here to enter text.	
• A map showing the proposed development (100% of the proposed footprint) within the boundary of the zone mentioned above must be generated using the screening tool. Use the "*Print Map*" feature available in the Screening tool to create a map as required.	YES ☐	Attached as **APPENDIX 7A**

5b. ELECTRICITY GRID INFRASTRUCTURE (EGI):

Does the project form part of an Electricity Grid Infrastructure (EGI) as per GN 113?	**YES*** ☐	**NO** ☒
If "YES*"		
• Confirm Strategic Transmission Corridor (STC) as per GNR 113	Click or tap here to enter text.	
• A map showing the proposed development (greater than 50% of the proposed footprint) within the boundary of the STC mentioned above. Use the "*Print Map*" feature available in the Screening tool to create a map as required.	YES ☐	Attached as **APPENDIX 7B**
• Attach a pre-negotiated route with the landowner(s) as per Reg 5 of GNR 113. (*See template attached to this Application form*)	YES ☐	Attached as **APPENDIX 7C**
Does the project form part of the Standard as per GNR 2313	**YES*** ☐	**NO**** ☒
If "YES*" please complete the procedure for following the Standard to apply for registration.		
If "NO", see below and provide motivation (written and illustrative using maps and/or photographic evidence, to confirm why the Standard and the exclusions therein do not apply) as **APPENDIX 7D**.		
• Where any part of the infrastructure occurs on an area for which the environmental sensitivity for any environmental theme is identified as being *very high* or *high* by the national web based environmental screening tool and confirmed to be	YES ☐	NO ☐

such through the application of the procedures set out in the Standard		
• Where the site sensitivity verification for a specific theme identifies that the *low* or *medium* sensitivity rating of the national web based environmental screening tool is in fact *high* or very high*;*	YES ☐	NO ☐
• Where the greater part of the proposed infrastructure falls outside any strategic transmission corridor.	YES ☐	NO ☐
Motivation for the development not falling within the Standard supplied as **APPENDIX 7D**	YES ☐	NO ☐

Regulation 7 of GNR 2313 states: 'Where this Standard does not apply, either the requirements of the EIA Regulations or Government Notice No. 113, read with the EIA Regulations, where relevant, apply to the relevant theme for which the very high or high sensitivity has been identified in respect of the portion of the development or expansion which occurs on the area where the environmental sensitivity is confirmed to be very high or high, or to the entire development or expansion where the greater part of the infrastructure falls outside of the strategic transmission corridor.

Does the project form part of the Electricity Grid Infrastructure (EGI) in a REDZ as per GN 145?	**YES*** ☐	**NO** ☒
If "YES*":		
• Confirm Zone as per GNR 145	Click or tap here to enter text.	
• A map showing the proposed development (greater than 50% of the proposed footprint) within the boundary of the zone mentioned above must be generated using the screening tool. Use the "*Print Map*" feature available in the Screening tool to create a map as required.	YES ☐	Attached as **APPENDIX 7E**
• Attach a pre-negotiated route with the landowner(s) as per Reg 5 of GNR 145. (*See template attached to this Application form)*	YES ☐	Attached as **APPENDIX 7F**

5c. GAS TRANSMISSION PIPELINE INFRASTRUCTURE:

Does the project form part of a Gas Transmission Pipeline Infrastructure as per GN 143?	**YES*** ☐	**NO** ☒
If "YES*"		
• Confirm Strategic Gas Pipeline Corridor (SGPC) as per GNR 143	Click or tap here to enter text.	
• A map showing the proposed development (greater than 50% of the proposed footprint) within the boundary of the SGPC mentioned above. Use the "*Print Map*" feature available in the Screening tool to create a map as required.	YES ☐	Attached as **APPENDIX 7G**
• Attach a pre-negotiated route with the landowner(s) as per Reg 3 of GNR 411. (*See template attached to this Application form*)	YES ☐	Attached as **APPENDIX 7H**

5d. STRATEGIC INFRASTRUCTURE PROJECTS:

Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?	**YES*** ☒	**NO** ☐
If "YES*" attach the confirmation of SIP obtained from the relevant sector representative (SIP Coordinators) and not a motivation from an EAP as **APPENDIX 8B**. For a SIP project, kindly indicate which SIPs are applicable in **APPENDIX 8A**Error! Reference source not found. and attach the confirmation of SIP a pplications from the relevant sector representative in **APPENDIX 8B**. Should no proof be provided, the application will be considered as a normal EIA Application with associated timeframes.	Attached as **APPENDIX 8A** and **APPENDIX 8B**	

6. NATIONAL SECTOR CLASSIFICATION

Table 6.1. Please indicate which sector the project falls under by selecting the relevant block in the table below:

No.	Sector Classification		No.	Sector Classification	
1	Infrastructure /Transport Services/Roads – Public	☐	42	Services/Waste Management Services/Disposal facilities - General	☐
2	Infrastructure /Transport Services/Roads – Private	☐	43	Services/Waste Management Services/Treatment facilities - Hazardous	☐
3	Infrastructure /Transport Services/Rail – Public	☐	44	Services/Waste Management Services/Treatment facilities - General	☐
4	Infrastructure /Transport Services/Rail – Private	☐	45	Services/Waste Management Services/Storage Facilities - General	☐
5	Infrastructure /Transport Services/ Airport/Runways/Landing Strip/Helipad - Commercial	☐	46	Services/Waste Management Services/ Storage Facilities - Hazardous	☐
6	Infrastructure /Transport Services/ Airport/Runways/Landing Strip/Helipad - Private	☐	47	Services/Waste Management Services/Storage Facilities - Nuclear	☐
7	Infrastructure /Transport Services/ Airport/Runways/ Landing Strip/Helipad - Public Services	☐	48	Services/Burial and cemeteries - Cemeteries	☐
8	Infrastructure /Transport Services - Ports	☐	49	Services/Burial and cemeteries - Cremators	☐

No.	Sector Classification		No.	Sector Classification	
9	Infrastructure /Transport Services - Inland Waterways	☐	50	Services/Water services/Storage - Dams	☐
10	Infrastructure /Transport Services - Marina	☐	51	Services/Water services/Storage - Reservoirs	☐
11	Infrastructure /Transport Services - Canal	☐	52	Services/Water services - Desalination	☐
12	Infrastructure /Localised infrastructure - Infrastructure in the Sea/Estuary/Littoral Active Zone/ Development Setback/ 100M Inland/ or coastal public property.	☐	53	Services/Water services - Treatment & Waste Water	☐
13	Infrastructure /Localised infrastructure - Zip Lines & Foefie Slides	☐	54	Services - Hospitality	☐
14	Infrastructure /Localised infrastructure - Cableway or Funiculars	☐	55	Mining - Prospecting rights	☐
15	Infrastructure /Localised infrastructure – Billboards	☐	56	Mining - Mining Permit	☐
16	Infrastructure /Localised infrastructure/ Storage/Dangerous Goods/Hydrocarbon - Gas	☐	57	Mining - Mining Right	☐
17	Infrastructure /Localised infrastructure/ Storage/Dangerous Goods/ Hydrocarbon - Petroleum	☐	58	Mining/Exploration Right - Gas or Oil Marine	☐
18	Infrastructure /Localised infrastructure/ Storage/Dangerous good – Chemicals	☐	59	Mining/Exploration Right - Gas or Oil Terrestrial	☐
19	Utilities Infrastructure/Pipelines/water - Fresh/Storm Water	☐	60	Mining/Production Right - Gas or Oil Marine	☐
20	Utilities Infrastructure/ Pipelines/water - Waste Water	☐	61	Mining/Production Right - Gas or Oil Terrestrial	☐
21	Utilities Infrastructure/ Pipelines/ Dangerous Goods - Chemicals	☐	62	Mining/Underground gasification of coal - Oil	☐
22	Utilities Infrastructure/Pipelines/ Hydrocarbon – Petroleum	☐	63	Mining/Beneficiation - Hydrocarbon	☐
23	Utilities Infrastructure/Pipelines/ Hydrocarbon - Gas	☐	64	Mining/Beneficiation - Mineral	☐
24	Utilities Infrastructure/ Telecommunications/ Radio Broadcasting - Tower	☐	65	Agriculture/Forestry/ Fisheries - Crop Production	☐
25	Utilities Infrastructure/ Telecommunications/ Radio Broadcasting - Mast	☐	66	Agriculture/Forestry/ Fisheries - Animal Production	☐
26	Utilities Infrastructure/ Telecommunications/ Radio Broadcasting - Receivers	☐	67	Agriculture/Forestry/ Fisheries - Afforestation	☐
27	Utilities Infrastructure - Marine Cables	☐	68	Agriculture/Forestry/ Fisheries/Aquaculture/Inland- Alien	☐
28	Utilities Infrastructure/Electricity /Generation/ Non Renewable/ Hydrocarbon – Petroleum	☒	69	Agriculture/Forestry/ Fisheries/Aquaculture/Inland- Indigenous	☐
29	Utilities Infrastructure/Electricity /Generation/ Non Renewable/ Hydrocarbon – Coal	☐	70	Agriculture/Forestry/ Fisheries/Aquaculture/Marine - Alien	☐
30	Utilities Infrastructure/Electricity /Generation/ Non Renewable - Nuclear	☐	71	Agriculture/Forestry/ Fisheries/Aquaculture/Marine - Indigenous	☐
31	Utilities Infrastructure/Electricity /Generation/ Renewable - Hydro	☐	72	Agriculture/Forestry/ Fisheries - Agro-Processing	☐

No.	Sector Classification		No.	Sector Classification	
32	Utilities Infrastructure/Electricity /Generation/Renewable/Solar - PV	☐	73	Transformation of land - Indigenous vegetation	☐
33	Utilities Infrastructure/Electricity /Generation/Renewable/Solar - CSP	☐	74	Transformation of land - From open space or Conservation	☐
34	Utilities Infrastructure/Electricity /Generation/Renewable - Wind	☐	75	Transformation of land - From agriculture or afforestation	☐
35	Utilities Infrastructure/Electricity /Generation/Renewable - Biomass/ biofuels	☐	76	Transformation of land - From mining or heavy industrial areas	☐
36	Utilities Infrastructure/Electricity /Generation/Renewable - Wave	☐	77	Any activities within or close to a watercourse	☐
37	Utilities Infrastructure/Electricity /Distribution and Transmission - Power line	☐	78	Any activity in an estuary, on the seashore, in the littoral active zone, or in the sea.	☐
38	Utilities Infrastructure/Electricity /Distribution and Transmission – Substation	☐	79	Activity requiring permit or licence in terms of National or Provincial legislation governing the release or generation of emissions - Emissions	☒
39	Utilities Infrastructure/Gas /Distribution and Transmission – Compressor Station	☐	80	Activity requiring permit or licence - Marine Effluent	☐
40	Services/Waste Management Services/Disposal facilities - Hazardous	☐	81	Activity requiring permit or licence - Fresh Water Effluent	☐
82	Release of Genetically Modified Organisms	☐			☐

Table 6.2.

Does the listed activity/ies applied for form part of a larger project which is not a listed activity itself e.g., a road that is a listed activity that is needed to access a drilling site where the drilling does not constitute a listed activity	YES ☐	NO ☒
If indicated yes above, please provide a brief description on how the activity/ies relate to the larger project that form's part there of	-	

7. SITE DESCRIPTION

Provide a detailed description of the site involved in the application.

Province/s	Kwazulu-Natal
District Municipality/ies	King Cetshwayo District Municipality
Local Municipality/ies	City of uMhlathuze Local Municipality
Ward number/s	2
Nearest town/s	Richards Bay
Farm name/s and number/s	Erf 16673 of Richards Bay Ext 28
Portion number/s	-

Surveyor General 21 digit code:
(If there are more than 4, please attach a list with the rest of the codes as **APPENDIX 9**. Where the 21-digit SGID and farm name are not available, the coordinates of the boundary of the property or properties must be provided in **APPENDIX 9**.

N	0	G	V	0	4	2	1	0	0	0	1	6	6	7	3	0	0	0	0	0
1	**2**			**3**				**4**								**5**				

Coordinates of Property/ies boundary (*corner points or start, middle, end)*
Coordinates must be provided in degrees, minutes and seconds using the Hartebeesthoek94 WGS84 co-ordinate system.

FEATURE	LATITUDE (S)			LONGITUDE (E)		
	DEG	MIN	SEC	DEG	MIN	SEC
Point 1	28°	44'	53,4221"	32°	1'	50,3134"
Point 2	28°	44'	53,1251"	32°	1'	49,2377"
Point 3	28°	44'	53,5931"	32°	1'	50,2075"
Point 4	28°	44'	53,8778"	32°	1'	50,0304"
Point 5	28°	44'	50,2768"	32°	1'	42,568"
Point 6	28°	44'	37,045"	32°	1'	50,7896"
Point 7	28°	44'	41,7084"	32°	2'	0,4535"
Point 8	28°	44'	42,3863"	32°	2'	0,7109"
Point 9	28°	44'	50,1108"	32°	1'	56,7466"
Point 10	28°	44'	52,5822"	32°	1'	55,2108"
Point 11	28°	44'	51,9212"	32°	1'	54,9916"
Point 12	28°	44'	50,5306"	32°	1'	52,1101"
Point 13	28°	44'	53,4221"	32°	1'	50,3134"

*N.B. This template/table must be used to provide additional coordinates for relevant infrastructure which must be included in **APPENDIX 9**.*

Locality map and Project Plan:

Locality map:	A locality map must be attached to the application form, as **APPENDIX 10**. The scale of the locality map must be at least 1:50 000. For linear activities of more than 25 kilometres, a smaller scale e.g. 1:250 000 can be used. The scale must be indicated on the map. The map must be legible and of high resolution. The map must include the following: • an accurate indication of the project site position as well as the positions of the alternative sites, if any; • road names or numbers of all the major roads as well as the roads that provide access to the site(s) • a north arrow;

	• scale indicator; • a legend (which explains all symbols used on the map; • site sensitivities, including but not limited to vegetation, wetlands, watercourses, heritage sites, critical biodiversity area/s, World Heritage Site, etc. and it must be overlaid by the study area; and • GPS co-ordinates (Indicate the position of the proposed activity with the latitude and longitude at the centre point for each alternative site. The co-ordinates should be in degrees, minutes and seconds. The seconds should be to at least two decimal places. The projection that must be used in all cases is the WGS-84 spheroid in a national or local projection).
Project Plan (e.g. Gantt chart)	A project schedule must be submitted as **APPENDIX 11**, and must include relevant milestones for: • public participation (dates for advertisements, workshops and other meetings, obtaining comment from organs of state including state departments); • the commencement of parallel application processes required in terms of other statutes and where relevant, the alignment of these application processes with the EIA process; • the submission of the key documents (e.g. Basic Assessment Report, Scoping Reports, EIA Reports and Environmental Management Programmes). Note: All the above dates must take into account the statutory timeframes for authority responses that are stipulated in the 2014 NEMA EIA Regulations, as amended. Possible appeals may impact on project timeframes/milestones. Regulation 45 states that "**An application in terms of these Regulations lapses, and a competent authority will deem the application as having lapsed, if the applicant fails to meet any of the time-frames prescribed in terms of these Regulations, unless extension has been granted in terms of regulation 3(7).**" It is recommended that the Competent Authority be approached for guidance on the process to be followed, prior to submitting an application.

8. ACTIVITIES APPLIED FOR

For an application for environmental authorisation that involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be provided below.

Activity No(s):	Provide the relevant **Basic Assessment Activity(ies)** as set out in **Listing Notice 1** of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates. Ensure to include thresholds/area/footprint applicable.
Activity 11(ii)	*The development of facilities or infrastructure for the transmission and distribution of electricity-* *(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts; or* *(ii) inside urban areas or industrial complexes with a capacity of 275 kilovolts or more,* *excluding the development of bypass infrastructure for the transmission and distribution of electricity where such bypass infrastructure is-* *(a) temporarily required to allow for maintenance of existing infrastructure;* *(b) 2 kilometres or shorter in length;* *(c) within an existing transmission line servitude; and* *(d) will be removed within 18 months of the commencement of development.*	The proposed project entails the development of a 275 kV Switchyard comprising of three (3) x 15kV to 275kV step-up transformers and one (1) station auxiliary transformer. However, the power line for the grid connection is excluded from the Application.
Activity 13	*The development of facilities or infrastructure for the off-stream storage of water, including dams and reservoirs, with a combined capacity of 50 000 cubic metres or more,*	Provision is made in the design of the Plant for a freshwater storage reservoir of capacity of two-day storage, which equals to 50,000 m^3. This reservoir will also cater as fire water source.

	unless such storage falls within the ambit of activity 16 in Listing Notice 2 of 2014.	
Activity 27	*The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for-* *(i) the undertaking of a linear activity; or* *(ii) maintenance purposes undertaken in accordance with a maintenance management plan.*	The proposed project is a greenfield development and entails the clearance of indigenous vegetation. The total area encompassed by the earmarked property is 12,7 hectares. It is noted that the site was also previously cleared under the Environmental Authorisation (EA) for RBIDZ Phase 1F that was granted in Sept 2016 (reference no.: 14/12/16/3/3/2/665). The site is currently undeveloped/vacant and is mowed and maintained by the RBIDZ.
Activity 28(i)	*Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development:* *(i) will occur inside an urban area, where the total land to be developed is bigger than 5 hectares; or* *(ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare;* *excluding where such land has already been developed for residential, mixed, retail, commercial, industrial or institutional purposes.*	The proposed project entails an industrial development on land that was likely used for agriculture in the past. The total area encompassed by the earmarked property is 12,7 hectares. The site is currently undeveloped / vacant and it is zoned for industrial use.
Activity No(s):	Provide the relevant Scoping and EIA Activity(ies) as set out in Listing Notice 2 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates. Ensure to include thresholds/area/footprint applicable.
Activity 2	*The development and related operation of facilities or infrastructure for the generation of electricity from a non-renewable resource where the electricity output is 20 megawatts or more.*	The proposed project entails the development of a CCGT Power Plant with a total generation capacity of 750MW. The Combustion Turbines are capable of firing on a variety of fuels however most commonly natural gas or light distillate oil. The combustion system installed on the units will be configured for natural gas fuel, which is a non-renewable resource.
Activity 4	*The development and related operation of facilities or infrastructure, for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of more than 500 cubic metres.*	Construction phase: ▪ Dangerous goods will be stored on the site during construction, which will include lubricants, oils, etc. Operational phase: ▪ Fire Protection system CO_2 storage: The fire protection system consists of CO_2 delivery from a bottle bank containing approximately 10 tons or 5 100 Nm^3. This CO_2 is delivered to the gas turbines and generator compartments in the event of a fire. The cylinders will be contained in a framed skid that can be relocated using a forklift. The skids are typically equipped with a pressure regulator to decrease the pressure to that required. ▪ Hydrogen cooling system for Generator: This is required to maintain hydrogen pressure

		inside the generators after the first fill and the operation is controlled by a dedicated hydrogen cooling control panel. The hydrogen will be stored in up to three cylinder banks (one per generator), each containing up to 16 cylinders. The cylinders will be up to 50L in volume and will be at a pressure of 50 bar. The cylinders will be contained in a framed skid that can be relocated using a forklift. The skids are typically equipped with a pressure regulator to decrease the pressure to that required. ▪ Nitrogen for purging and blanketing: This is used for purging of gas lines and equipment before maintenance is carried out so as to purge any dangerous hydrocarbons, typically at startup and after maintenance. It is also used to blanket the HRSG's during maintenance to prevent air ingress which would cause corrosion and the demin water tank to prevent oxygen ingress that results in water quality deterioration. The nitrogen will be stored in cylinder banks, typically at a pressure of 200 bar and will be reticulated around the site as needed. During normal operations, approximately 500 Nm^3 of nitrogen will be stored, but this may be increased to 1 000 Nm^3 prior to planned maintenance work. ▪ Diesel for backup and black start generators: One, or potentially two, backup diesel generators of up to 1 MW each will used to shut down the plant in a safe and orderly manner in the event of a trip. A black start generator might be required so that the plant can be restarted in the event of total loss of power from the grid. Up to 45 m^3 of diesel will be stored on site in suitably designed and bunded day tanks for these purposes. ▪ Diesel as backup fuel: In the unlikely event that diesel or a similar middle distillate fuel is required to enable operation during NG supply failure events, up to 12 000 m^3 of diesel will be stored on site, in two suitably designed and bunded tanks.
Activity 6	*The development of facilities or infrastructure for any process or activity which requires a permit or licence or an amended permit or licence in terms of national or provincial legislation governing the generation or release of emissions, pollution or effluent, excluding-* *(i) activities which are identified and included in Listing Notice 1 of 2014;* *(ii) activities which are included in the list of waste management activities published in terms of section 19 of the National Environmental Management: Waste Act, 2008 (Act 59 of 2008) in which case the National Environmental Management: Waste Act, 2008 applies;* *(iii) the development of facilities or infrastructure for the treatment of effluent, polluted water, wastewater or*	The proposed project will require an Atmospheric Emission Licence (AEL) in terms of the National Environmental Management: Air Quality Act (Act No. 39 of 2004).

	sewage where such facilities have a daily throughput capacity of 2 000 cubic metres or less; or *(iv) where the development is directly related to aquaculture facilities or infrastructure where the wastewater discharge capacity will not exceed 50 cubic metres per day.*	
Activity No(s):	Provide the relevant Basic Assessment Activity(ies) as set out in Listing Notice 3 of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates. Ensure to include thresholds/area/footprint applicable.
Activity 4 – (d)(viii)	*The development of a road wider than 4 metres with a reserve less than 13.5 metres.* *(d) KwaZulu-Natal* *(viii) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.*	Internal roads to be developed on the project site will generally be 6m wide. These roads will occur in an area designated as a Critical Biodiversity Area (CBA) Irreplaceable according to the KwaZulu-Natal Biodiversity Plan (KZN BP).
Activity 10 – (d)(ix)	*The development and related operation of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 cubic metres.* *(d) KwaZulu-Natal* *(ix) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.*	Storage of dangerous goods during construction and operational phases in containers with a combined capacity of up to 80 cubic metres. The storage facilities will be located within an area designated as a CBA Irreplaceable according to the KZN BP.
Activity 12 – (d)(iv) & (v)	*The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.* *(d) KwaZulu-Natal* *(iv) Within any critically endangered or endangered ecosystem listed in terms of section 52 of the NEMBA or prior to the publication of such a list, within an area that has been identified as critically endangered in the National Spatial Biodiversity Assessment 2004;* *(v) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.*	The proposed project is a greenfield development and entails the clearance of indigenous vegetation in an area designated as a CBA Irreplaceable according to the KZN BP, as well as the Endangered Maputaland Wooded Grassland threatened ecosystem. It is noted that the site was also previously cleared under the EA for RBIDZ Phase 1F that was granted in Sept 2016 (reference no.: 14/12/16/3/3/2/665). The site is currently undeveloped/vacant and is mowed and maintained by the RBIDZ.

Please note that any authorisation that may result from this application will only cover listed or specified activities specifically applied for. Only those activities listed above shall be considered for authorisation. The onus is on the applicant to ensure that all applicable listed activities are included in the application. Environmental Authorisation must be obtained prior to commencement with each applicable listed activity. **If a specific listed or specified activity is not included in an Environmental Authorisation, a new application for Environmental Authorisation will have to be submitted**. Coordinate points indicating the location of each listed activity (where applicable) must be provided as part of **APPENDIX 9**. Coordinates must be provided in degrees, minutes and seconds using the Hartebeesthoek94 WGS84 co-ordinate system.

9. PUBLIC PARTICIPATION

Provide details of the public participation process proposed for the application as required by Regulation 41(2) of the EIA Regulations, 2014 as amended.

A. REVIEW OF DRAFT SCOPING REPORT

The following tasks will be undertaken as part of public participation during the review of the draft Scoping Report:

i. Compile a database of authorities and Interested and Affected Parties (I&APs).
ii. Provide written notices to I&APs of the review of the draft report by –
    1. Fixing notice boards (English, Zulu and Afrikaans) at places conspicuous to and accessible by the public on the boundary of the site.
    2. Placing notices (English, Zulu and Afrikaans) in newspapers.
    3. Providing notification to stakeholders in the database via email.
iii. Giving written notice to –
    1. The occupiers of the areas affected by the proposed activities.
    2. Owners, persons in control of, and occupiers of land adjacent to areas affected by the proposed activities.
    3. The King Cetshwayo District Municipality and City of uMhlathuze Local Municipality.
    4. The Municipal Councillor of the affected Ward.
    5. Formal organisations or groups in the area.
    6. Any organ of state having jurisdiction in respect of any aspect of the activity, including (amongst others):
        a. DFFE Biodiversity Conservation Unit;
        b. KZN Department of Economic Development, Tourism & Environmental Affairs (DEDTEA);
        c. DFFE KZN;
        d. Ezemvelo KZN Wildlife;
        e. Department of Water and Sanitation (DWS): KZN Regional Office;
        f. Department of Mineral and Petroleum Resources (DMPR); and
        g. Amafa and Research Institute.

Access to the draft Scoping Report will include the following:

- Hardcopies will be placed at public libraries; and
- An electronic copy will be uploaded to Nemai Consulting's website.

A public meeting will be held to present the draft Scoping Report and to obtain comments from stakeholders.

Authorities and I&APs will be provided 30 days to review and comment on the draft Scoping Report. All comments received and the responses thereto will be included in the Comments and Responses Report (CRR) that will be appended to the final Scoping Report, which will be submitted to DFFE. The final Scoping Report will also contain proof of public participation during the Scoping Phase.

B. REVIEW OF DRAFT EIA REPORT

The draft EIA Report will be made available for a 30-day review period. All parties on the I&APs database will be notified via email, post or SMS of the opportunity to review the draft EIA Report, how to access the report, the review period and the process for submitting comments.

Access to the draft EIA Report will include the following:

- Hardcopies will be placed at public libraries; and
- An electronic copy will be uploaded to Nemai Consulting's website.

The following authorities with jurisdiction (amongst others) will be notified of the review of the draft EIA Report:

- DFFE Biodiversity Conservation Unit;
- KZN DEDTEA;
- DFFE KZN;
- Ezemvelo KZN Wildlife;

- DWS: KZN Regional Office;
- DMPR;
- Amafa and Research Institute;
- King Cetshwayo District Municipality; and
- City of uMhlathuze Local Municipality.

A public meeting will be held to present the draft EIA Report and to obtain comments from stakeholders.

All comments received and the responses thereto will be included in the CRR that will be appended to the final EIA Report, which will be submitted to DFFE. The final EIA Report will also contain proof of public participation during the EIA Phase.

C. NOTIFICATION OF DECISION

Registered I&APs will be notified in writing of DFFE's decision and of the appeal process, in accordance with the National Appeal Regulations, 2014.

10. OTHER AUTHORISATIONS REQUIRED

Are there any other applications for Environmental Authorisation on the same property?		YES☒	NO☐
If YES, please indicate the following:			
Competent Authority	DFFE		
Application Reference Number	EA reference no.: 14/12/16/3/3/2/665		
Project Name	Richards Bay Industrial Development Zone Phase 1F		
Please provide details of the steps taken to ascertain this information: Copies of the existing EA and EIA documentation were obtained from the RBIDZ.			
Explain whether the above approval(s) will be in conflict with the proposed development. An EA was granted by the former Department of Environmental Affairs (DEA), now known as DFFE, for the RBIDZ Phase 1F in Sept 2016 (reference no.: 14/12/16/3/3/2/665). The following components of the development were catered for in the EA: • Water infrastructure; • Sewer infrastructure; • Stormwater infrastructure; • Roads; • Electrical services; and • Infilling of wetlands (to enable the development of the site for industrial purposes). The access road and services required for the proposed Project are thus covered in the EA for the RBIDZ Phase 1F and are not being applied for again. The infilling of the wetland on the site is also excluded from the Project's application.			

11. OTHER LEGISLATION/APPROVAL

Applications in terms of the National Environmental Management Act ("NEMA") & specific environmental management Acts ("SEMAs"):

LEGISLATION	**AUTHORISATION REQUIRED**		**APPLICATION SUBMITTED**	
	YES	**NO**	**YES**	**NO**
Is Section 50(5) of the National Environmental Management: Protected Areas Act applicable to your proposed development? (The proposed development is within a proclaimed protected area as defined the Act.)	☐	☒	☐	☐
National Water Act (Act No. 36 of 1998)	☒	☐	☐	☒
National Environmental Management: Air Quality Act (Act No. 39 of 2004)	☒	☐	☐	☒
National Environmental Management: Biodiversity Act (Act No. 10 of 2004)	☐	☒	☐	☐
National Environmental Management: Integrated Coastal Management Act (Act No. 24 of 2008)	☐	☒	☐	☐
National Environmental Management: Protected Areas Act (Act No. 57 of 2003)	☐	☒	☐	☐
National Environmental Management: Waste Act (Act No. 59 of 2008)	☐	☒	☐	☐
Others: Please specify Click or tap here to enter text.	☐	☐	☐	☐

Please be advised that:

- If a Waste Management license is required in terms of the National Environmental Management: Waste Act, please contact the Department for guidance on the **Integrated Permitting System**. **An IPS application can only be lodged with this Department in the event that this Department is the Competent Authority for both the EIA and Waste related activities**;
- If Sections 7B and 7C of the National Environmental Management: Integrated Coastal Management Act is applicable to your proposed development, you are required to obtain pre-approval for a reclamation application prior to an Application for Environmental Authorisation being lodged with the Competent Authority;
- If Section 50(5) of the National Environmental Management: Protected Areas Act is applicable to your proposed development, you are required to obtain approval from the Management Authority **prior** to an Application for Environmental Authorisation being lodged with the Competent Authority. This approval must be attached as **APPENDIX 12**; and
- If Section 38 of the National Heritage Resources Act (Act No. 25 of 1999) is applicable to your proposed development, you are requested to submit the Notice of Intent form to the relevant SAHRA or a Provincial Heritage Resources Authority and attach a copy to this form as **APPENDIX 13**. If it is indicated that a Heritage Impact Assessment will be required, the Heritage Impact Assessment must be undertaken as one of the specialist studies of the EIA process to be undertaken in terms of the NEMA EIA Regulations, 2014, as amended.

12. LIST OF APPENDICES

		SUBMITTED	
		YES	NO
APPENDIX 1	Copy of the pre-application meeting minutes	☒	☐
APPENDIX 2	Proof of Payment / Motivation for exclusion	☒	☐
APPENDIX 3	List of landowners (with contact details) and written consent of landowners. *If more than 1 landowner consent is attached, use sub-number 3a, 3b, 3c to denote the associated document.*	☒	☐
APPENDIX 4	Declaration of Applicant	☒	☐
APPENDIX 5	List of Local/Provincial Authority involved (with contact details)	☐	☒
APPENDIX 6A	Proof of appointment of EAP before 8 August 2022	☐	☒
APPENDIX 6B	Valid EAPASA Registration Certificate	☒	☐
APPENDIX 6C	Declaration of EAP and undertaking under oath or affirmation	☒	☐
APPENDIX 7A	Renewable Energy Development Zone Map	☐	☒
APPENDIX 7B	EGI in Strategic Transmission Corridor Map	☐	☒
APPENDIX 7C	Pre-Negotiated Route Agreement for EGI	☐	☒
APPENDIX 7D	Motivation pertaining to the Standard as per GNR 2313	☐	☒
APPENDIX 7E	EGI in Renewable Energy Development Zone Map	☐	☒
APPENDIX 7F	Pre-Negotiated Route Agreement for EGI in REDZ	☐	☒
APPENDIX 7G	Gas Transmission Pipeline Infrastructure Map	☐	☒
APPENDIX 7H	Pre-Negotiated Route Agreement for Gas Transmission Pipeline	☐	☒
APPENDIX 8A	List of Strategic Infrastructure Projects	☒	☐
APPENDIX 8B	SIP Confirmation Letter from SIP Coordinator	☒	☐
APPENDIX 9	List of SGIDs and coordinates	☐	☒
APPENDIX 10	Locality map	☒	☐
APPENDIX 11	Project schedule	☒	☐
APPENDIX 12	Section 50(5) of NEM:PAA approval	☐	☒
APPENDIX 13	Notice of Intent in terms of NHRA 25 of 1999	☐	☒
APPENDIX 14	Screening Tool Report	☒	☐
APPENDIX 15	Other Click or tap here to enter text.	☐	☒

APPENDIX 1
COPY OF THE PRE-APPLICATION MEETING MINUTES

NEMAI CONSULTING	**FINAL MINUTES** **Pre-Application Meeting with the Department of Forestry, Fisheries and the Environment (DFFE)**	**Queries:**	Donavan Henning ☎ 011 781 1730 🖷 011 781 1731 ✉ donavanh@nemai.co.za
Applicant:	mabasa energy & fuels	**Project Name:**	Proposed 750MW Combined Cycle Gas Turbine Power Plant in Richards Bay, City of uMhlathuze Local Municipality, King Cetshwayo District Municipality, Kwazulu-Natal
Date:	8 February 2024	**Time:**	11:00 AM - 12:30 PM
Facilitator:	D. Henning	**Platform:**	Microsoft Teams Meeting

A. Attendance

Present

Attendee	Organisation	Email
Matlhodi Mogorosi	DFFE	[redacted]
Sindiswa Dlomo	DFFE	
Thabile Sangweni	DFFE	
Bavumile Skhosana	Mabasa Energy and Fuels (Pty) Ltd	
Percy Langa	Richards Bay Industrial Development Zone Company SOC Ltd	
Thandokuhle Duze	Richards Bay Industrial Development Zone Company SOC Ltd	
Owen Price	Prescience Consulting	
Donavan Henning	Nemai Consulting (Pty) Ltd	donavanh@nemai.co.za

B. Discussion

Note: These minutes are not intended as a verbatim transcript of the meeting, but rather as a summary of the salient discussions which took place.

Item.	Description	Action	Target Date
1.	**WELCOME AND INTRODUCTION**		
1.1	The Pre-Application Meeting with the DFFE for the proposed 750MW Combined Cycle Gas Turbine Power Plant in Richards Bay, Kwazulu-Natal (KZN) (the "Project") commenced at approximately 11:00 AM. D. Henning, who is the appointed Environmental Assessment Practitioner (EAP), acted as the facilitator for the meeting and requested a round of introductions.	-	-
2.	**PURPOSE OF THE MEETING**		
2.1	D. Henning indicated that the objectives of the meeting included the following: • To present an overview of the project to DFFE; • To seek clarification regarding certain matters that pertain to the Environmental Impact Assessment (EIA) process;	-	-

Item.	Description	Action	Target Date
	• To determine DFFE's requirements; and • To confirm the process and timeframes.		
3	**CONFIRMATION OF AGENDA**		
3.1	The agenda was accepted without any amendments.	-	-
4.	**PROJECT OVERVIEW**		
4.1	D. Henning presented the locality map for the Project and he indicated that the site is located in Phase 1F of the Richards Bay Industrial Development Zone (RBIDZ) (refer to the presentation contained in Appendix A).	-	-
4.2	B. Skhosana presented an overview of the Project (refer to the presentation contained in Appendix A).	-	-
5.	**ENVIRONMENTAL IMPACT ASSESSMENT PROCESSES**		
5.1	**Competent Authority**		
5.1.1	D. Henning indicated that the proposed generation facility is to be bid in Department of Mineral Resources and Energy's (DMRE) Gas Independent Power Producer Procurement Programme. Hence, the Minister (DFFE) was identified as the Competent Authority.	-	-
5.2	**EIA Undertaken for Phase 1F of RBIDZ**		
5.2.1	D. Henning indicated that an Environmental Authorisation (EA) was granted for the RBIDZ Phase 1F in September 2016 (DFFE ref. no.: 14/12/16/3/3/2/665), which caters for the following: • Water infrastructure; • Sewer infrastructure; • Stormwater infrastructure; • Roads; • Electrical services; and • Infill of wetlands (to enable development of the property for industrial purposes). D. Henning noted that the Application for the Project will exclude these authorised activities. He further indicated that the Application will not include the distribution lines that will evacuate power from the proposed plant, however, this infrastructure and the grid connection point will be discussed in the Scoping and EIA Reports.	-	-
5.2.2	S. Dlomo requested clarity on the location of the indigenous forest in the RBIDZ in relation to the earmarked site. P. Langa explained that the forest area is located to the north of the site and is not directly affected by the development.	-	-
5.3	**Process Outline & Timeframes**		
5.3.1	D. Henning presented the approach to the Scoping and Environmental Impact Reporting (S&EIR) Process for the Project, as well as the preliminary programme.	-	-
5.3.2	S. Dlomo sought clarity in terms of the Scoping Phase specialist studies. She noted that DFFE would not want specialist studies to be conducted as part of Scoping Phase, as the Department first needed to agree on the studies required.	-	-

Item.	Description	Action	Target Date
	D. Henning explained that the purpose of undertaking specialist studies during the Scoping Phase was to verify the site's sensitivity, in terms of the outcomes of the DFFE's Screening Tool. He indicated that the Plan of Study in the Scoping Report will provide the terms of reference and triggers for the specialist studies.		
5.3.3	M. Mogorosi asked whether the Screening Tool had been run for the Project. D. Henning confirmed that the site's sensitivity and requisite specialist studies had been identified through the Screening Tool, which will be presented later on in the meeting.	-	-
5.4	**Public Participation**		
5.4.1	D. Henning indicated the following: • Public Participation will be undertaken in terms of Chapter 6 of the EIA Regulations. • The following tasks will be undertaken during the Announcement Phase: o Compilation of a stakeholder database; o Distribution of a Background Information Document and Reply Form to stakeholders; o Placement of site and newspaper notices; o Convening public and focus group meetings; and o Granting 30 days for the registration of Interested and Affected Parties (I&APs). • Proof of notifications and comments will be included in the final Scoping and EIA Reports that will be submitted to DFFE.	-	-
5.4.2	S. Dlomo noted that it must be ensured during Public Participation that documents are translated into the local language in Richards Bay and that the public has a good understanding of the Project. D. Henning confirmed that the Public Participation documents will be translated into isiZulu.	-	-
5.5	**Listed Activities**		
5.5.1	D. Henning presented the listed activities that are currently understood to be triggered by the Project. He noted that the EAP is still engaging with the project team to confirm the relevance of the activities, including the thresholds, capacities and dimensions.	-	-
5.5.2	S. Dlomo enquired about the relevance of the listed activities linked to the clearance of indigenous vegetation in light of the activities that were authorised in the EA that was granted for RBIDZ Phase 1F. D. Henning noted that listed activities linked to the clearance of indigenous vegetation were tentatively included, as the team was still in the process of confirmed what was catered for in the EA for RBIDZ Phase 1F. P. Langa confirmed this approach. He noted that it needed to be confirmed which activities were included in the subsequent	-	-

Item.	Description	Action	Target Date
	amendments to the EIA Regulations after the EA was granted, which will be relevant to the Project.		
5.5.3	S. Dlomo noted that the advantages and disadvantages of including or not including the activities from the EA for RBIDZ Phase 1F need to be considered. She indicated that an example could be whether the activities in the existing EA had not commenced yet, and then these may be commence with during the implementation of the Project, if it is authorised. She asked whether the existing EA is still valid and if any of the activities authorised have commenced, as this will determine whether common listed activities between the existing EA and the new Application need to be included. P. Langa stated that the EA had been activated and what was authorised had been constructed. He noted that construction had started in 2017 and was concluded with the installation of bulk services and the access gate. He indicated that the RBIDZ had not undertaken construction work on the tenants' sites. He further explained that the listed activity for the clearance of indigenous vegetation that was authorised was for the entire property, and not only for services. He concluded that the EA was valid and that the authorised activities had been commenced with. D. Henning asked whether the infilling of the wetlands on the site had been completed by the RBIDZ. P. Langa pointed out the areas were construction had taken place. D. Henning confirmed that, based on the discussions, if a listed activity was covered in the EA for RBIDZ Phase 1F and the EA was activated, then those activities don't need to be included in the Application for the Project.	-	-
5.5.4	S. Dlomo asked if there are any conditions in the existing EA that would impact on the EIA for the Project, such as requirements related to offsets for the infilling of the wetlands, and if these conditions had not yet been complied with. P. Langa stated that there were no offset requirements linked to the infilling of the wetlands on the Project's site. He noted that the agreement reached at the time was that the RBIDZ will implement a Wetland Mitigation Plan, which was undertaken and it still being implemented. This includes conserving two wetland areas shown on the map (not on the site), improving the management of alien plant species, etc. He indicated that there are no issues that are outstanding in terms of the either Water Use Licence or EA for the site.	-	-
5.5.5	S. Dlomo indicated that if Listing Notice 3 was not part of the EIA Regulations when the EIA was undertaken for the RBIDZ Phase 1F, or if specific activities such as the clearance of indigenous vegetation were not yet included in Listing Notice 3 at that time, then it is better to include all possible activities under this notice that may be triggered by the Project. D. Henning confirmed that this approach will be followed.	-	-

Item.	Description	Action	Target Date
	P. Langa indicated that the EA was issued in terms of the EIA Regulations of 2010.		
5.6	**Alternatives**		
5.6.1	D. Henning noted that the following alternatives will be considered: 1. Layout Alternatives; 2. Technology Alternatives; and 3. No-Go Alternative.	-	-
5.7	**Specialist Studies**		
5.7.1	D. Henning noted that the DFFE Screening Tool was used to determine the site's sensitivity. He listed the various specialist studies identified by this tool. He indicated that the specialist studies will adhere to the Procedures for the Assessment and Minimum Criteria for Reporting on Identified Environmental Themes, as relevant.	-	-
5.7.2	S. Dlomo noted that even though the site is located within the RBIDZ, the protocols still need to be adhered to regardless of the sensitivity ratings.	-	-
5.7.3	M. Mogorosi asked whether a combined Site Sensitivity Verification Report will be compiled, or if separate reports will be compiled. She indicated that if a combined report will be developed then it must be ensured that each theme is covered. D. Henning mentioned that either approach could be followed, and that it had not yet been confirmed whether a combined report of separate reports will be compiled.	-	-
5.7.4	S. Dlomo stated that the Site Sensitivity Verification Report must be included in the Scoping Report. D. Henning confirmed that this will be done.	-	-
5.8	**Layout Map**		
5.8.1	D. Henning asked about the level of detail required by DFFE for layout / site plan. S. Dlomo indicated that sufficient detail must be provided to allow for informed decision-making. She stated that the Environmental Management Programme must be able to sufficiently cover the Project. B. Skhosana indicated that a more detailed design and description of alternatives will be provided by the engineering team.	-	-
5.9	**Climate Change & Air Quality**		
5.9.1	D. Henning asked if DFFE have specific requirements for the assessment of climate change and air quality impacts during the EIA. S. Dlomo indicated that they will provide the contact details of the Departmental officials dealing with climate change and air quality.	DFFE	Tbc
5.10	**Other Environmental Consents Required**		

Item.	Description	Action	Target Date
5.10.1	D. Henning noted the following environmental approvals that are anticipated to be required for the Project: • National Water Act (Act No. 36 of 1998) - Water Use Authorisation for Section 21(c) and (i) water uses, which is relevant to the development within regulated area of a watercourse (including 500m radius of a wetland); and • National Environmental Management Air Quality Act (Act No. 39 of 2004) (NEM:AQA) - Atmospheric Emission Licence (AEL). He noted that other environmental approvals may also be required, which will still be confirmed.	-	-
5.11	**Appeals Against Similar Projects**		
5.11.1	D. Henning noted that the project team aims to take into consideration the lessons learnt from appeals received against similar developments.	-	-
5.11.2	S. Dlomo indicated that it will be of benefit to the Case Officer if other similar developments in Richards Bay are indicated in the EIA. She also noted that the risk of explosions needed to be assessed. D. Henning noted that this will be done. He also mentioned that it is planned to undertake a Risk Assessment during the EIA.	-	-
6.	**DFFE'S REQUIREMENTS / GENERAL**		
6.1	S. Dlomo requested clarity regarding the EIA for the grid connection. She asked if the grid connection point had been identified. She stated that this would need to be explained in the EIA, as it forms part of demonstrating the feasibility of the Project. D. Henning indicated that the natural gas pipeline and grid connection associated with the proposed development will be explained in the EIA, even though authorisation for this infrastructure will not form part of the Application for the Project.	-	-
6.2	S. Dlomo enquired about the water requirements for the plant and whether sufficient capacity exists to cater for this development. B. Skhosana noted that this information will be provided, in collaboration with the RBIDZ.	-	-
6.3	P. Langa explained that the Project was presented at the RBIDZ Environmental Review Committee Meeting.	-	-
7.	**CLOSE**		
7.1	The meeting was concluded at approximately 12h20.	-	-

Minutes Complied By:

Nemai Consulting

	16 February 2024
D. Henning	Date

Minutes Accepted By:

DFFE

	Date

APPENDIX A

PRESENTATIONS

PROPOSED 750MW COMBINED CYCLE GAS TURBINE POWER PLANT IN RICHARDS BAY, KWAZULU-NATAL

DFFE Pre-Application Meeting

8 February 2024

(Reference No.: 2024-01-0024)



Environmental, Social and OHS Consultants

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Ferndale
2194

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AGENDA

1) Welcome & Introduction
2) Apologies
3) Purpose of the Meeting
4) Project Overview
5) EIA Process
    - 5.1 - Competent Authority
    - 5.2 - EIA Undertaken for Phase 1F of RBIDZ
    - 5.3 - Process Outline & Timeframes
    - 5.4 - Public Participation
    - 5.5 - Listed Activities
    - 5.6 - Alternatives
    - 5.7 - Specialist Studies
    - 5.8 - Layout Map
    - 5.9 - Climate Change & Air Quality
    - 5.10 - Other Environmental Consents Required
    - 5.11 - Appeals against similar Projects
6) DFFE Requirements
7) Way Forward & Close

(3) PURPOSE OF THE MEETING

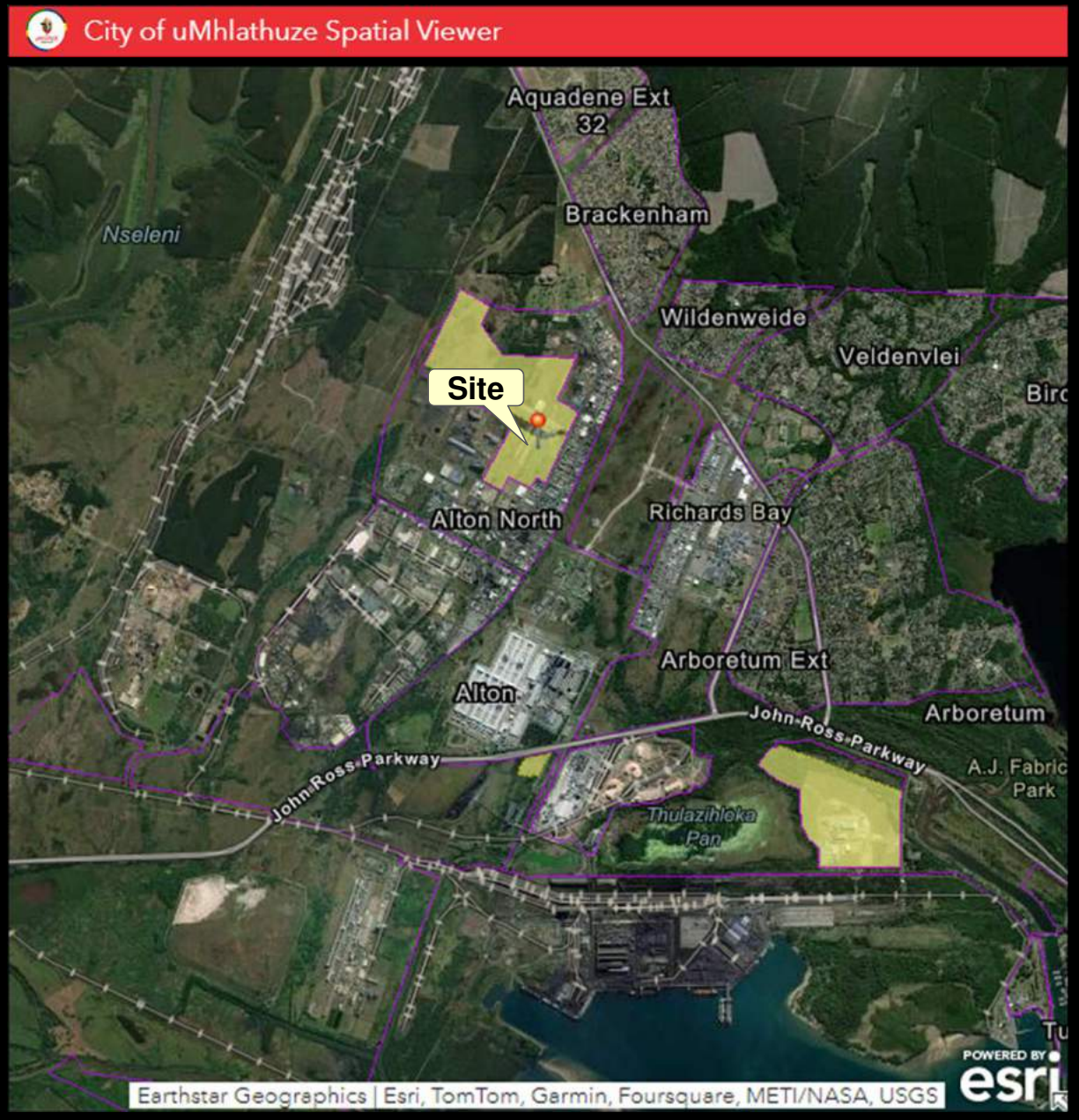
- To present an overview of the project to DFFE.
- To seek clarification regarding certain matters that pertain to the EIA process.
- To determine DFFE's requirements.
- To confirm the process and timeframes.

(4) PROJECT OVERVIEW

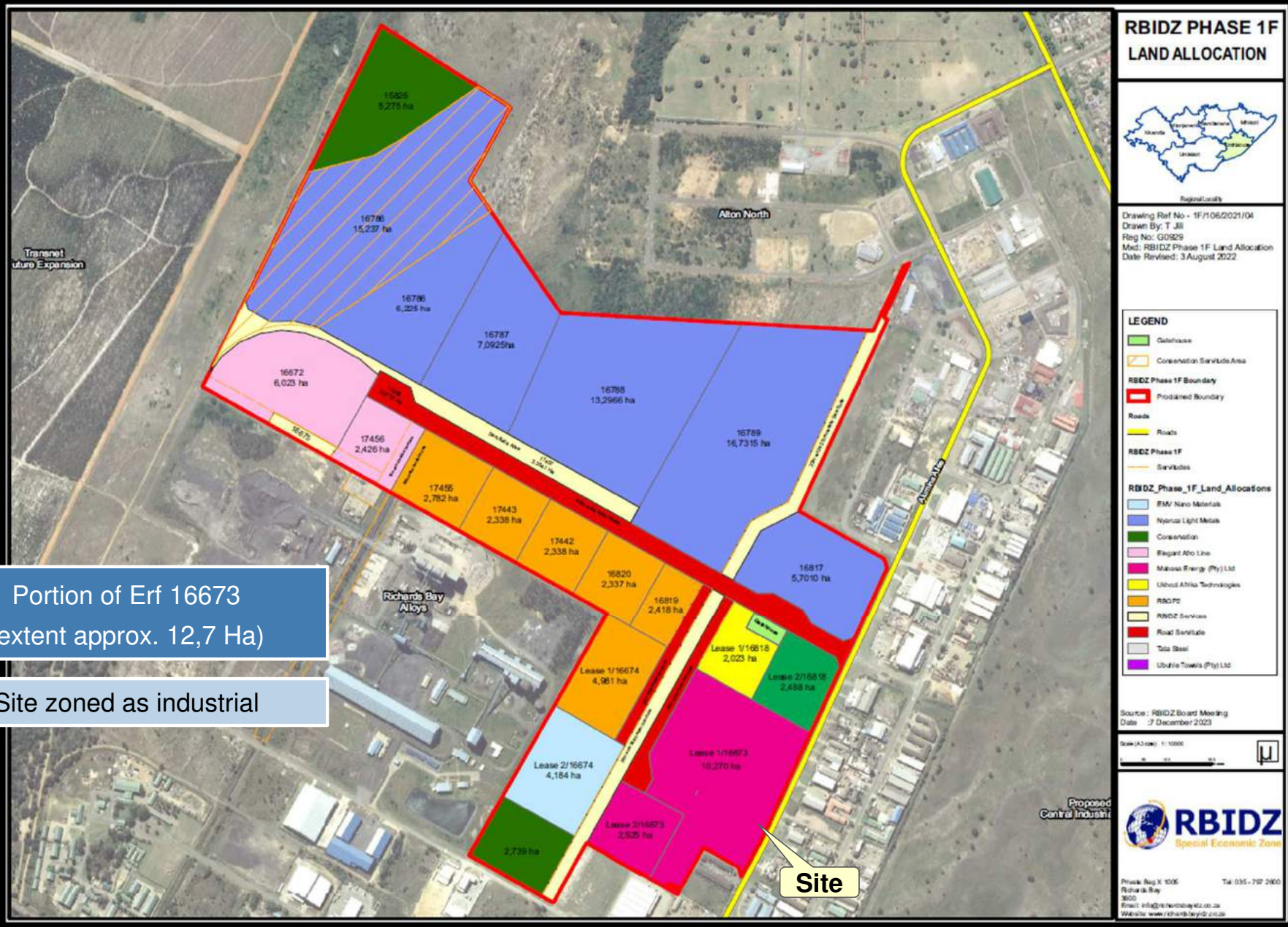
Site Location







Site Location



Portion of Erf 16673
(extent approx. 12,7 Ha)

Site zoned as industrial

Site Views







(4) PROJECT OVERVIEW

(5) EIA PROCESS

(5) EIA PROCESS

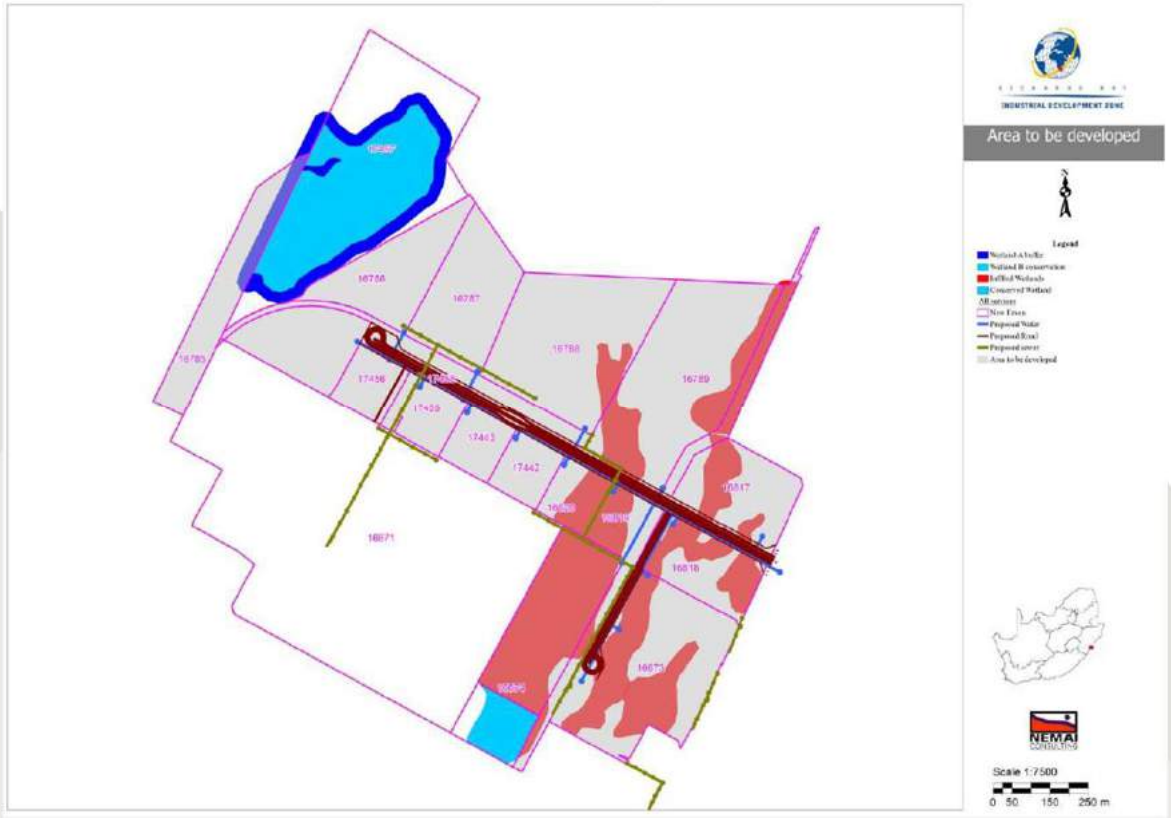
5.1 – COMPETENT AUTHORITY

- The proposed generation facility is to be bid in **DMRE's Gas Independent Power Producer Procurement Programme**. Hence, the Minister (DFFE) was identified as the Competent Authority.

(5) EIA PROCESS

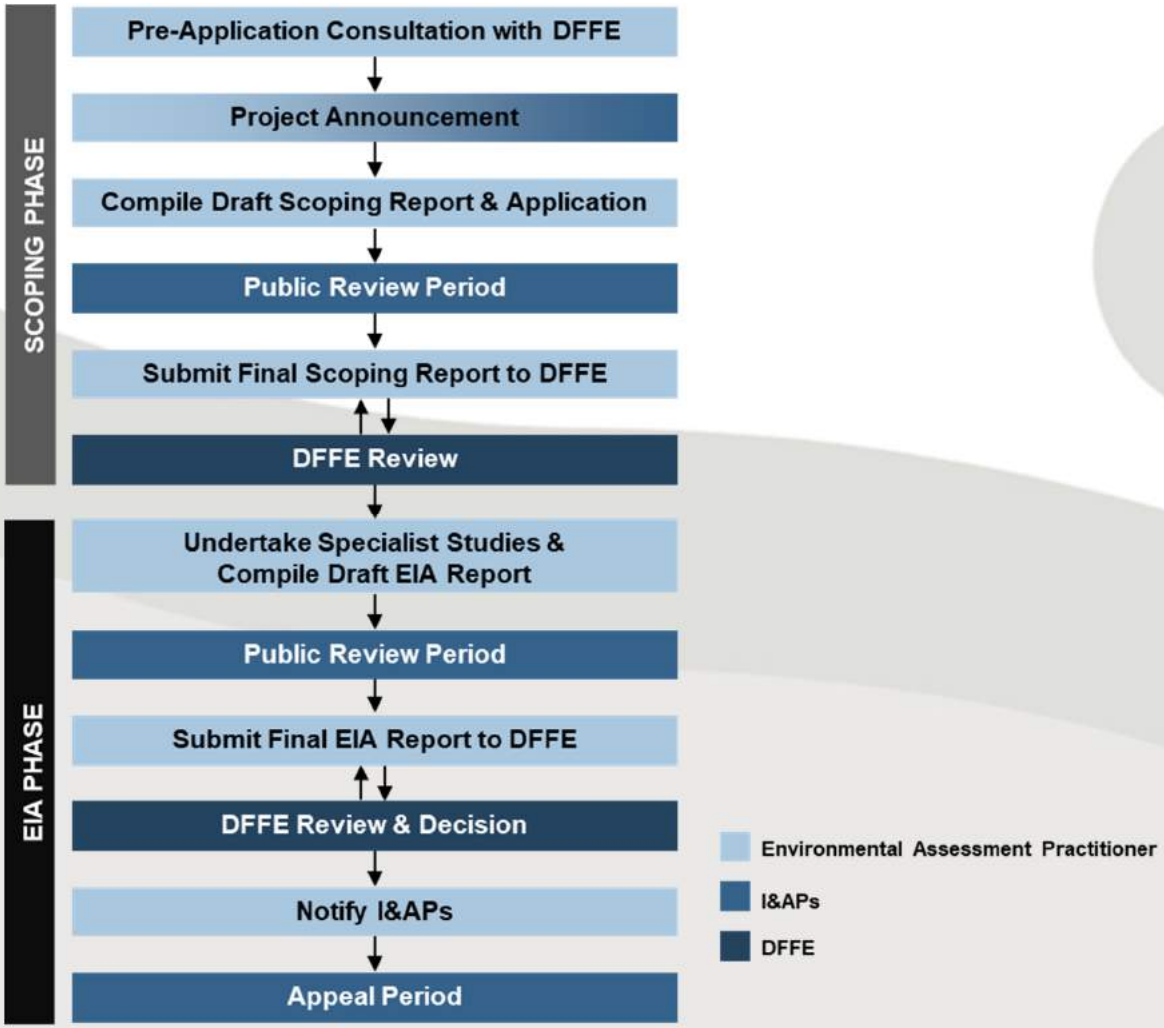
5.2 – EIA UNDERTAKEN FOR PHASE 1F OF RBIDZ

- Environmental Authorisation was granted for RBIDZ Phase 1F in Sept 2016 (DFFE ref. no.: 14/12/16/3/3/2/665), which caters for the following:
  - Water infrastructure
  - Sewer infrastructure
  - Stormwater infrastructure
  - Roads
  - Electrical services
  - Infill of wetlands (to enable development of site for industrial purposes).



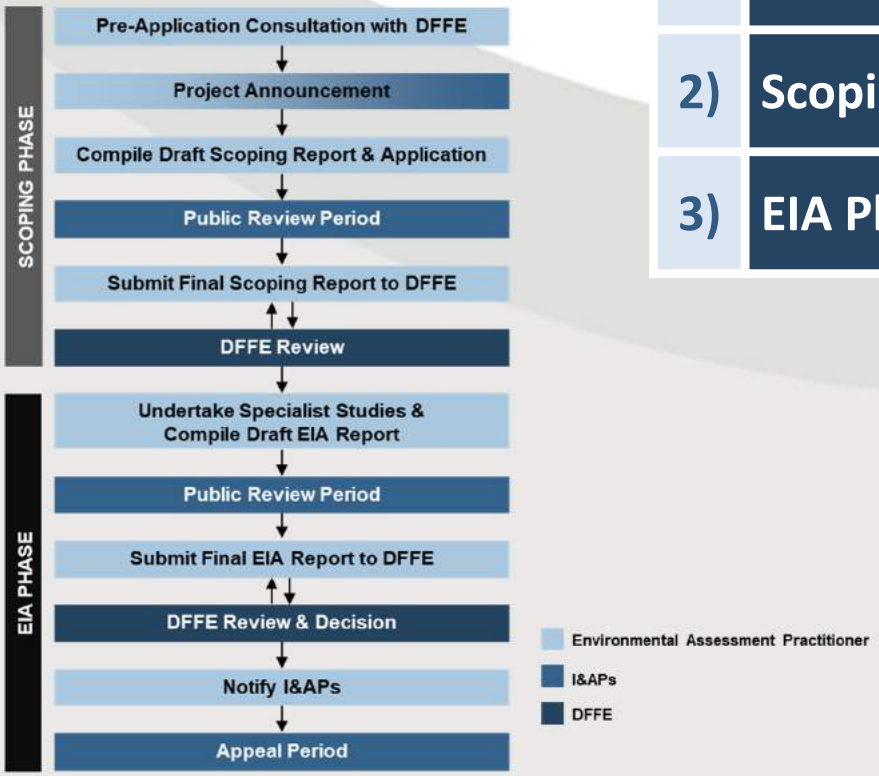
(5) EIA PROCESS

5.3 – PROCESS OUTLINE & TIMEFRAMES



(5) EIA PROCESS

5.3 – PROCESS OUTLINE & TIMEFRAMES



Preliminary Programme

1)	Announcement Phase	February – March 2024
2)	Scoping Phase	February – July 2024
3)	EIA Phase	July 2024 – February 2025

(5) EIA PROCESS

5.4 - PUBLIC PARTICIPATION

- Public Participation in terms of Chapter 6 of EIA Regulations
- Announcement Phase
  - Stakeholder Database
  - Background Information Document and Reply Form – distribute to stakeholders
  - Site & Newspaper Notices
  - Public and Focus Group Meetings
  - Upfront 30-day I&AP registration period
- Proof of notification and comments - Final Scoping and EIA Reports.

(5) EIA PROCESS

5.5 - LISTED ACTIVITIES

Listing Notice 1:

11(ii)	The development of facilities or infrastructure for the **transmission and distribution of electricity**- (i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts; or (ii) inside urban areas or industrial complexes with a capacity of 275 kilovolts or more, excluding the development of bypass infrastructure for the transmission and distribution of electricity where such bypass infrastructure is- (a) temporarily required to allow for maintenance of existing infrastructure; (b) 2 kilometres or shorter in length; (c) within an existing transmission line servitude; and (d) will be removed within 18 months of the commencement of development.	The proposed project entails the development of a 275 kV Switchyard comprising of three (3) x 15kV to 275kV step-up transformers and one (1) station auxiliary transformer. However, the power line for the grid connection is excluded from the Application.
14	The development and related operation of facilities or infrastructure, for the storage, or for the storage and handling, of a **dangerous good**, where such storage occurs in containers with a combined capacity of 80 cubic metres or more but not exceeding 500 cubic metres.	Fire protection skid of gas turbine & Generator- CO_2 storage. Cooling for Generators - Hydrogen Storage. Purging Requirements - Nitrogen Storage. *Capacities to be confirmed by Applicant.*
27	The **clearance** of an area of 1 hectares or more, but less than 20 hectares of **indigenous vegetation**, except where such clearance of indigenous vegetation is required for- (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.	The proposed project entails the clearance of indigenous vegetation. The overall area of Erf 16673 is approximately 14 hectares.
28(i)	Residential, mixed, retail, commercial, **industrial** or institutional developments where such land was **used for agriculture**, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development: (i) will occur inside an urban area, where the total land to be developed is bigger than 5 hectares; or (ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare; excluding where such land has already been developed for residential, mixed, retail, commercial, industrial or institutional purposes.	The proposed project entails an industrial development on land that was likely used for agriculture in the past. The site is currently undeveloped/vacant and it is zoned for industrial use.

(5) EIA PROCESS

5.5 - LISTED ACTIVITIES

Listing Notice 2:

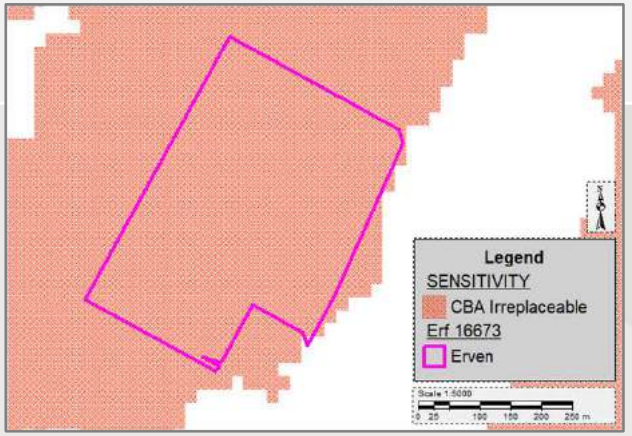
2	The development and related operation of facilities or infrastructure for the **generation of electricity** from a non-renewable resource where the electricity output is 20 megawatts or more.	The proposed project entails the development of a Combined Cycle Gas Turbine Power Plant with a total generation capacity of 750MW. The Combustion Turbines are capable of firing on a variety of fuels however most commonly natural gas or light distillate oil. The combustion system installed on the units will be configured for natural gas fuel, which is a non-renewable resource.
4	The development and related operation of facilities or infrastructure, for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of more than 500 cubic metres.	Fire protection skid of gas turbine & Generator- CO_2 storage. Cooling for Generators - Hydrogen Storage. Purging Requirements - Nitrogen Storage. *Capacities to be confirmed by Applicant.*
6	The development of facilities or infrastructure for any process or activity which requires a permit or licence or an amended permit or licence in terms of national or provincial legislation governing the generation or release of emissions, pollution or effluent, excluding- (i) activities which are identified and included in Listing Notice 1 of 2014; (ii) activities which are included in the list of waste management activities published in terms of section 19 of the National Environmental Management: Waste Act, 2008 (Act 59 of 2008) in which case the National Environmental Management: Waste Act, 2008 applies; (iii) the development of facilities or infrastructure for the treatment of effluent, polluted water, wastewater or sewage where such facilities have a daily throughput capacity of 2 000 cubic metres or less; or (iv) where the development is directly related to aquaculture facilities or infrastructure where the wastewater discharge capacity will not exceed 50 cubic metres per day.	The proposed project will require an Atmospheric Emission Licence (AEL) in terms of the National Environmental Management: Air Quality Act (Act No. 39 of 2004).

(5) EIA PROCESS

5.5 - LISTED ACTIVITIES

Listing Notice 3:

4 – (d)(viii)	The development of a road wider than 4 metres with a reserve less than 13.5 metres. (d) KwaZulu-Natal (viii) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.	Internal roads to be developed on the project site will occur in an area designated as a Critical Biodiversity Area (CBA) Irreplaceable. *Applicant to confirm road width.*
10 – (d)(ix)	The development and related operation of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 cubic metres. (d) KwaZulu-Natal (ix) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.	The project site occurs in an area designated as a CBA Irreplaceable. Site sensitivity to be confirmed as part of Terrestrial Biodiversity Impact Assessment. Fire protection skid of gas turbine & Generator- CO_2 storage. Cooling for Generators - Hydrogen Storage. Purging Requirements - Nitrogen Storage. *Capacities to be confirmed by Applicant.*
12 – (d)(iv) & (v)	The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan. (d) KwaZulu-Natal (iv) Within any critically endangered or endangered ecosystem listed in terms of section 52 of the NEMBA or prior to the publication of such a list, within an area that has been identified as critically endangered in the National Spatial Biodiversity Assessment 2004; (v) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.	The proposed project entails the clearance of indigenous vegetation in an area designated as a CBA Irreplaceable. Site sensitivity to be confirmed as part of Terrestrial Biodiversity Impact Assessment. The overall area of Erf 16673 is approximately 14 hectares.



(5) EIA Process

5.6 - ALTERNATIVES

- Layout Alternatives.
- Technology Alternatives.
- No-Go Alternative.

(5) EIA PROCESS

5.7 - SPECIALIST STUDIES

- DFFE Screening Tool:

Agricultural Impact Assessment	**Traffic Impact Assessment**
Landscape/Visual Impact Assessment	**Geotechnical Assessment**
Archaeological and Cultural Heritage Impact Assessment	**Climate Impact Assessment**
Palaeontology Impact Assessment	**Health Impact Assessment**
Terrestrial Biodiversity Impact Assessment	**Socio-Economic Assessment**
Aquatic Biodiversity Impact Assessment	**Air Quality Impact Assessment**
Hydrology Assessment	**Plant Species Assessment**
Noise Impact Assessment	**Animal Species Assessment**

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY



MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY



(5) EIA PROCESS

5.7 - SPECIALIST STUDIES

- DFFE Screening Tool:

Agricultural Impact Assessment	Traffic Impact Assessment
Landscape/Visual Impact Assessment	Geotechnical Assessment
Archaeological and Cultural Heritage Impact Assessment	Climate Impact Assessment
Palaeontology Impact Assessment	Health Impact Assessment
Terrestrial Biodiversity Impact Assessment	Socio-Economic Assessment
Aquatic Biodiversity Impact Assessment	Air Quality Impact Assessment
Hydrology Assessment	Plant Species Assessment
Noise Impact Assessment	Animal Species Assessment

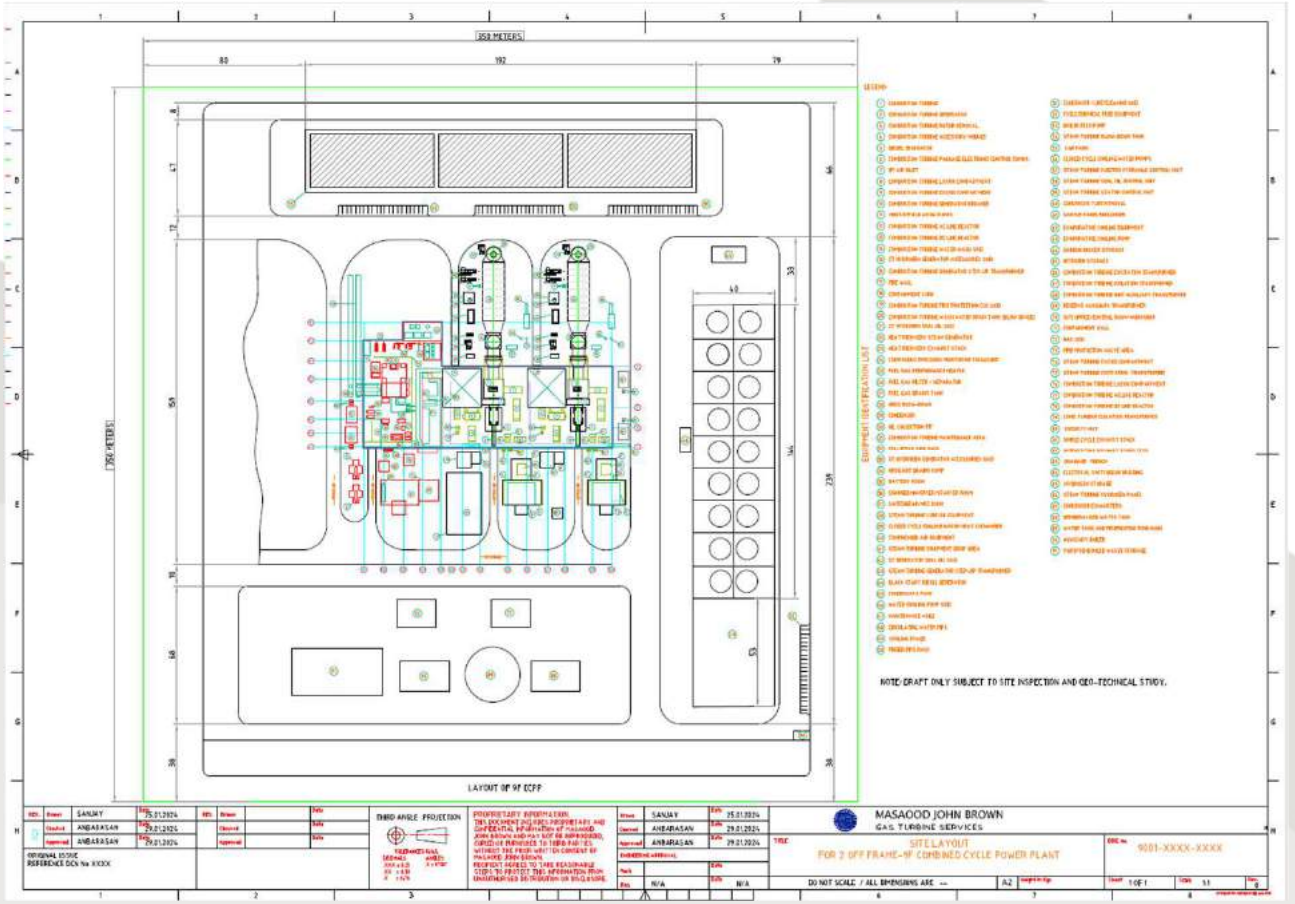
Environmental Theme Protocols (including Site Sensitivity Verification)



(5) EIA PROCESS

5.8 - LAYOUT MAP

- Level of detail required by DFFE for layout / site plan.



(5) EIA PROCESS

5.9 - CLIMATE CHANGE & AIR QUALITY

- Specific requirements from DFFE for assessing:
  - Climate change impacts
  - Air quality impacts

(5) EIA PROCESS

5.10 - OTHER ENVIRONMENTAL CONSENTS REQUIRED

- NWA – Water Use Authorisation
  - Section 21(c) & (i) – development within regulated area of a watercourse (including 500m radius of a wetland)
- NEM:AQA - Atmospheric Emission Licence (AEL):
  - Same EIA under NEMA will inform the Project's application for an AEL
  - Licensing Authority - requirements
  - Alignment between EIA & AEL processes
- Other environmental approvals needed – to be confirmed

(5) EIA PROCESS

5.11 - APPEALS AGAINST SIMILAR PROJECTS

- Lessons learnt, for example:
  - Assessing climate change and air quality impacts
  - Ensuring sufficiently comprehensive and inclusive public participation
  - Assessing cumulative risks and impacts
  - Assessing reasonable and feasible alternatives

(6) DFFE's Requirements

(7) Way Forward & Close

Thank you



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Contact Person:	**Donavan Henning**
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Email:	**donavanh@nemai.co.za**
Postal Address:	**PO Box 1673, Sunninghill, 2157**

DFFE Pre-Application Meeting

Mabasa Energy and Fuels (Pty) Ltd

Project Overview

08 February 2024

11:00

About Mabasa Energy and Fuels

We began our journey in 2017 as a South African Independent Power Producer. Through strategic global alliances, Mabasa Energy has expanded its business offering to include engineering, construction, operations, maintenance, and management of facilities for the generation, transmission, sale, and distribution of electrical power; and marketing and distribution of liquid fuel and petrochemical products.

Our energy generation division includes both Small Scale Embedded Generation (SSEG) and utility scale power plants.

We are committed to the United Nations Sustainable Development Goal (UNSDG) number 7 in providing sustainable energy to our communities whilst decarbonising energy consumption.

vision

To become a leading Pan-African Independent Power Producer through providing affordable and sustainable energy solutions.

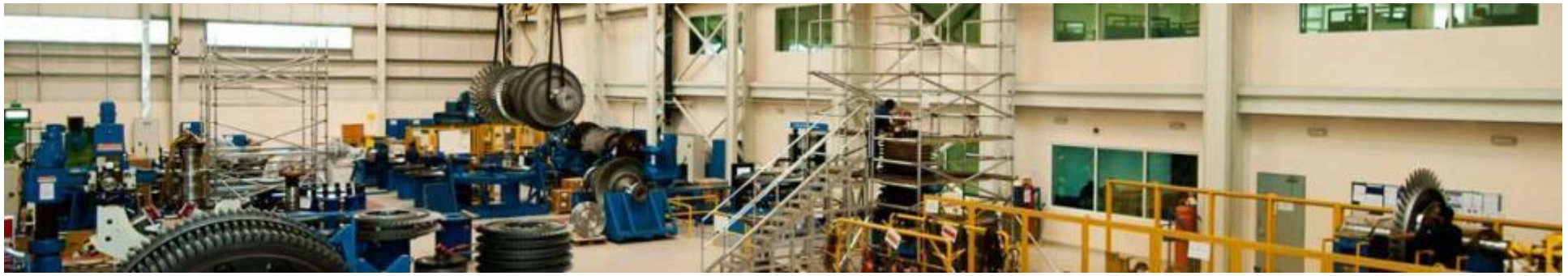
mission

We strive to ensure that we deliver reliable and affordable power to our customers, whilst delivering on the United Nations Sustainable Development Goal number 7. With a Pan-African approach to doing business, we have set our sights beyond the borders of South Africa to the rest of the continent to ensure the electrification of the continent. Electrifying Africa will unlock the continent's true economic potential, creating jobs, alleviating hunger, poverty and disease

About Fortune Power Development

Fortune Power Development Ltd was formed as a power development company, which through their related party company, MJB, provide the full turnkey solution for turbine power plants as an independent power provider, including the long term service agreements to ensure the plant, turbines and equipment are maintained to the highest standards to avoid uninterrupted supply. Fortune Power Development Ltd aims to provide quick service solutions to power requirements adding the competitive edge allowing us to mobilize faster and efficiently.

FORTUNE POWER DEVELOPMENT

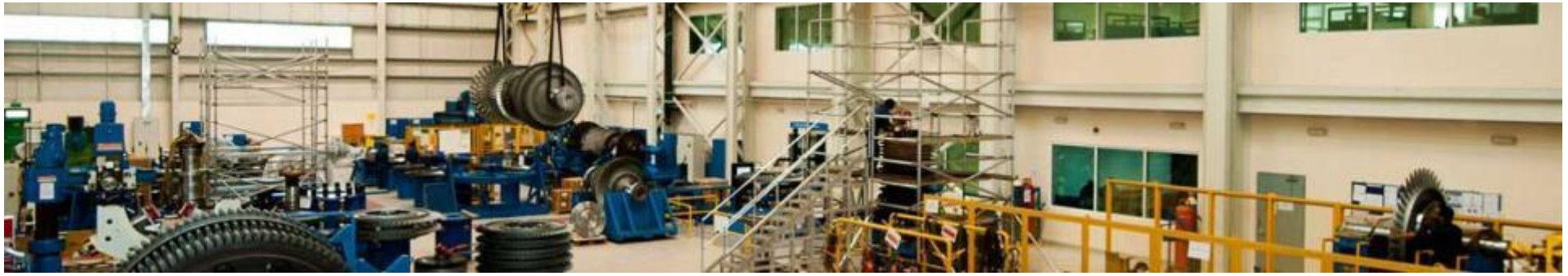


About MJB

Masaood John Brown are total service providers to owners and operators of industrial gas turbines throughout the world, offering an employee skill base that equates to over 2000 man years of OEM experience in industrial turbine maintenance solutions, with particular specialization in the frame range of turbines designed by GE and their former business and manufacturing associates.

Mission and values

To deliver customer focused gas turbine maintenance service solutions to the oil, gas and power industries. This is achieved by a continuous drive towards enhancing quality, health and safety with an emphasis on preventing personal injury, environmental pollution, taking into account all legal and regulatory requirements



History of MJB

1969 | 1979 | 2000 | 2003 | 2011 | 2015

1969 - First Gas Turbine Sold in Middle East

1979 - Formed Masaood John Brown Ltd - Mohammed Bin Masaood (51%) and John Brown Engineering (later changed to Kvaerner Energy at 49%).

2000 – GE acquired Kvaerner Energy. ALM purchased 49% balance of shares taking ownership of MJB.

2003 – 2015 Expansion of MJB Facility including Rotor Repair, expansion from 4,000 square meters to 8,000 square meters of best-in-class workshops and warehouse space, Bucket Repair Facility and Training Centre

2011 - MJB shareholding reflects AMS Group and Al Masaood

2019 – MJB engages in a strategic partnership with Fortune Power Development Ltd ;who in turn have partnered with a black owned firm in South Africa, Mabasa Energy and Fuels, with a strategic objective to enter the South African energy market.



CONFIDENTIAL

5

MJB Capabilities

For 50 Years MJB has been supporting the operational and engineering needs of Plant Owners Internationally, providing flexible turnkey maintenance repair and overhaul solutions as follows:

MAINTENANCE, REPAIR & OVERHAUL

ENGINEERING	▪ Power plant upgrade and efficiency improvements ▪ Component Design, Manufacture & Repair ▪ Rotor Repair, Overhaul & Residual Life Assessment
PROCUREMENT	▪ Remanufactured and Refurbished Gas Turbine Power Plants ▪ Capital & Consumable Spares & Replacement Parts ▪ Air Inlet Filter Houses, Exhaust Systems & Balance of Plant
CONSTRUCTION	▪ Installation of Gas Turbines & Balance of Plant ▪ Construction of Air Inlet Filter Houses & Exhaust Systems ▪ Control System Retrofits
MAINTENANCE	▪ Long Term Services Agreements ▪ Generator & BOP Services ▪ Power Systems Training
EPC	▪ Power Plant Relocation (Greenfield and Brownfield) ▪ Turnkey EPC Services and Project Management ▪ Installation and Commissioning Services







Relocation, EPC, Installation and Commissioning

MJB has 15-Years and over 1,800 MW of experience in Power Project Relocation and EPC.




Sokoto State, Nigeria




Nairobi to Muhoroni, Kenya




Mombasa to Nairobi, Kenya





Sabah, Malaysia



UAE to Kazakhstan

Bolivia to Iraq





Uruguay to Australia

Bahrain to Dubai





USA to Caribbean

For 50 Years MJB has been supporting the operational and engineering needs of others.
In an increasingly competitive market, MJB is differentiating itself from the competitors
and
"DOING IT FOR OURSELF"

The project



Project Overview

The project is a patriotic response to the ongoing energy challenges in South Africa. Mabasa Energy and Fuels through its international networks has managed to secure funding, EPC and O&M partnerships to develop a 750MW CCGT project in Richards Bay.

This project, once connected to the grid, will assist the country in providing much needed electricity to alleviate a stage on loadshedding. This will make a tremendous difference not only on the lives of South Africa's citizens, but also on the economic output of the Republic.

Job creation from the project will ensure we reduce the ever increasing youth employment. With a stable power supply, South Africa will be able to retain millions of jobs, most of which are lost through business closures as a result of power blackouts.

The DMRE has published a tender for IPP participation which Mabasa Energy and Fuels sees as an opportunity to propose this solution to the government of the Republic of South Africa.

mineral resources & energy

Department:
Mineral Resources and Energy
REPUBLIC OF SOUTH AFRICA

REQUEST FOR QUALIFICATION AND PROPOSALS (RFP) UNDER THE GAS INDEPENDENT POWER PRODUCER PROCUREMENT PROGRAMME (GASIPPPP) BID WINDOW 1

IPPPP Tender no: DMRE/015/2023/24

Following the promulgation of the Integrated Resource Plan 2019 (IRP 2019), the Minister determined that the procurement of New Generation Capacity is required to ensure energy security and that approximately 3000 (three thousand) megawatts ("MW") would be procured, to be generated from gas.

The Department of Mineral Resources and Energy ("the Department") formally invites interested parties to register prospective bids under the first bid window of the Gas Independent Power Producers Procurement Programme (GASIPPPP Bid Window 1).

A total of 2000 megawatts (MW) will be procured in this first round from Projects supplying new generation Capacity, Ancillary Services and Energy Output to be produced from gas-fired power generation technology. This Gas IPP Procurement Programme specifically targets land-based electricity generation facilities utilising natural gas, located anywhere within the borders of the Republic of South Africa.

Project Overview

Generation & Capacity:
Generating Plant:

2 General Electric 9FA combustion turbines and air-cooled generators
2 CMI triple pressure Heat Recovery Steam Generators (HRSG)
1 condensing Steam Turbine with water cooled generator.

Generating Capacity (ISO):

- 500MW in Simple Cycle
- 750MW in Combined Cycle

Project Time Line
Phase I – Simple Cycle (500MW)
First Power - 12 Months
Phase II – Combined Cycle (750MW)
First Power – 12 Months after first power of Phase I.

Power Tariff
20 year PPA - Total per kWh
Capacity Charge per kWh
Energy Charge per kWh
Ancillary Charge per kWh

Project Location:

- Richards Bay Industrial Development Zone, South Africa.

Off-taker:

- Eskom via Gas IPP Bid

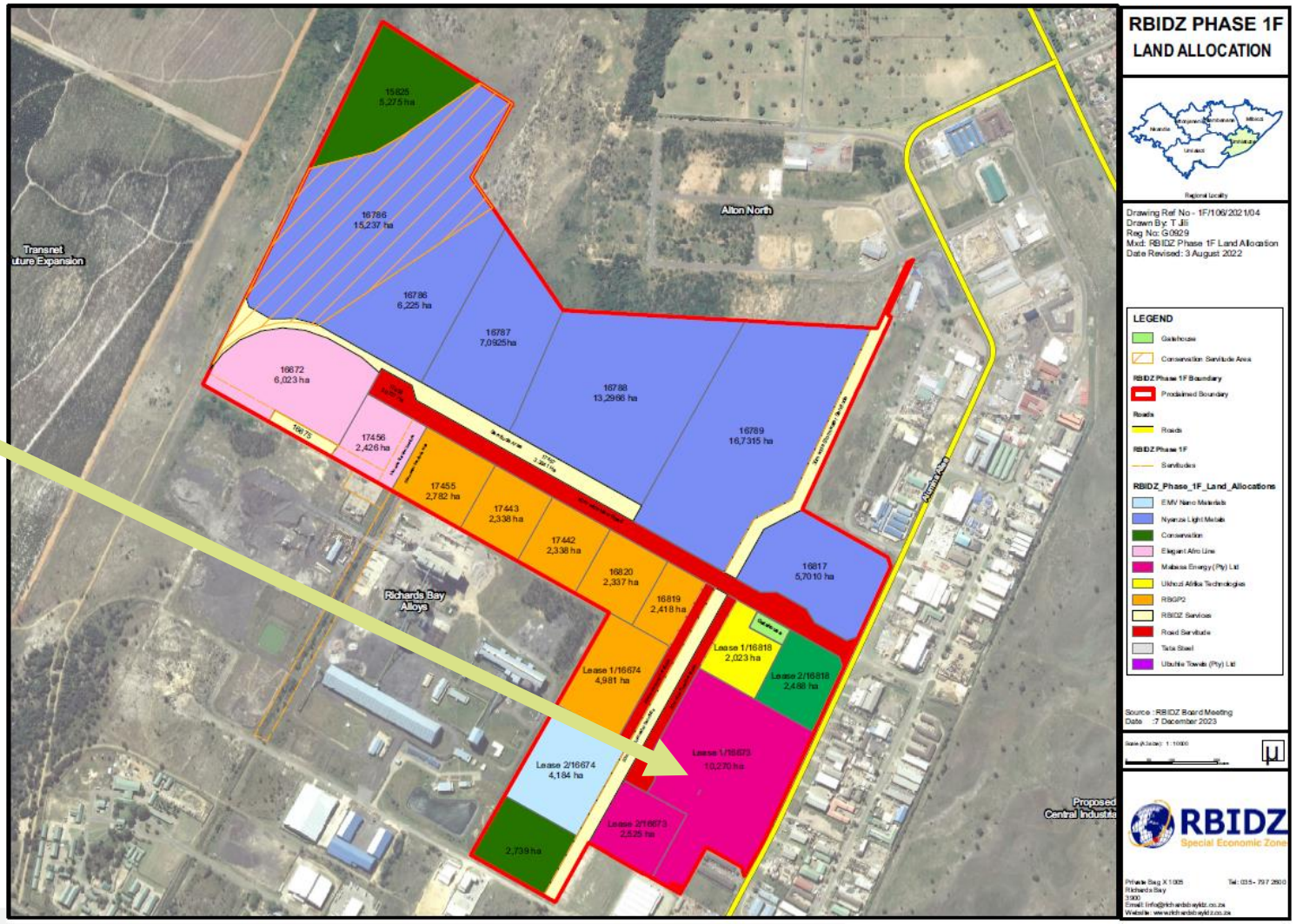


Project Location

The project is located within Phase 1F of the Richards Bay Industrial Development Zone under a long-term lease agreement.

Portion 1/16673 (10.270 ha)

Portion 2/16673 (2.525 ha)



Plant Description



Plant Description

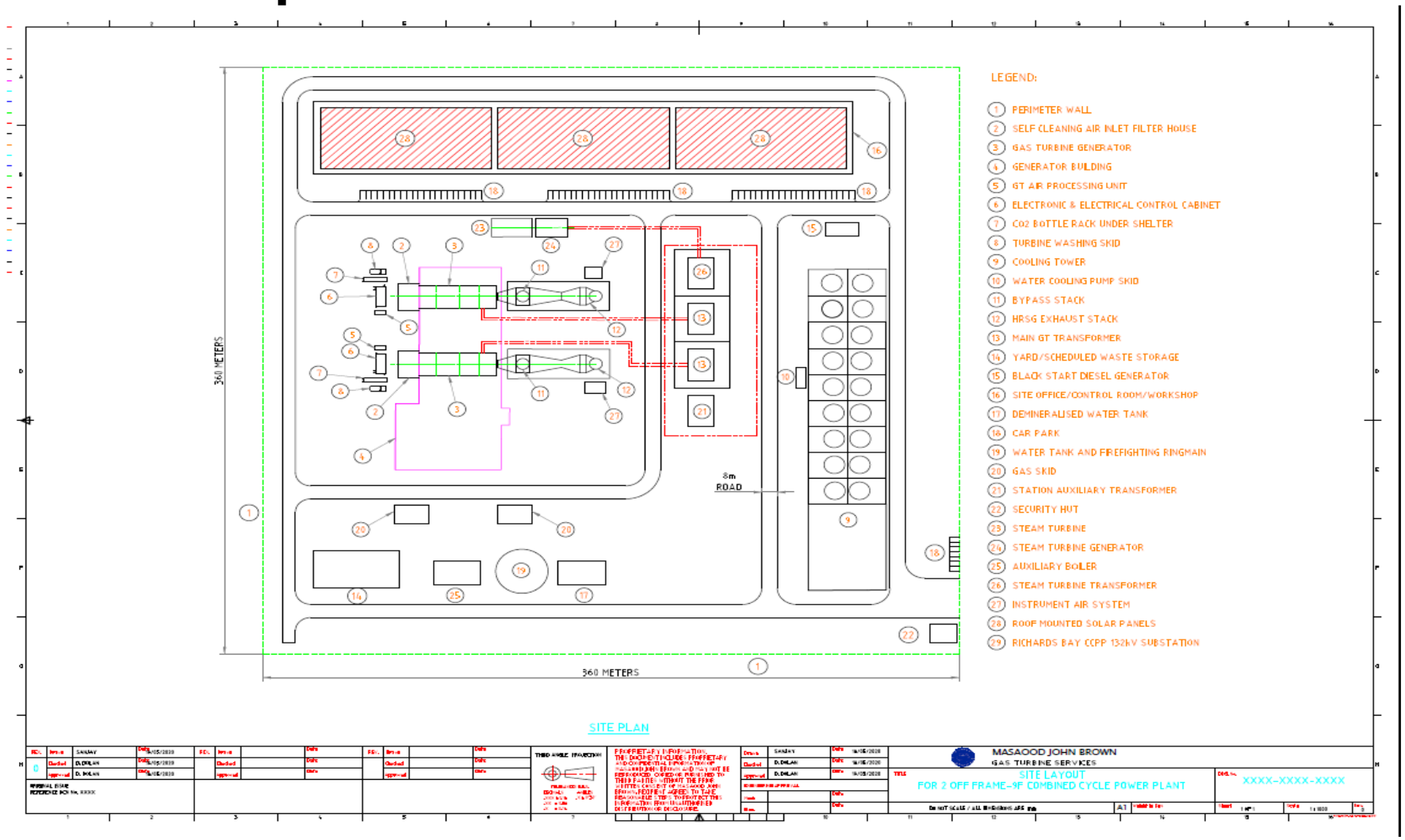
The Combined Cycle Power Plant (the "Plant") will be designed to provide a highly reliable, efficient, and low cost means of generating electricity. Design features of the Plant will be carefully considered to provide the optimum balance between capital cost and operation and maintenance benefits, whilst considering environmental impacts associated with combustion of fuel and using the best available technologies.

The Plant will comprise of the following key equipment:

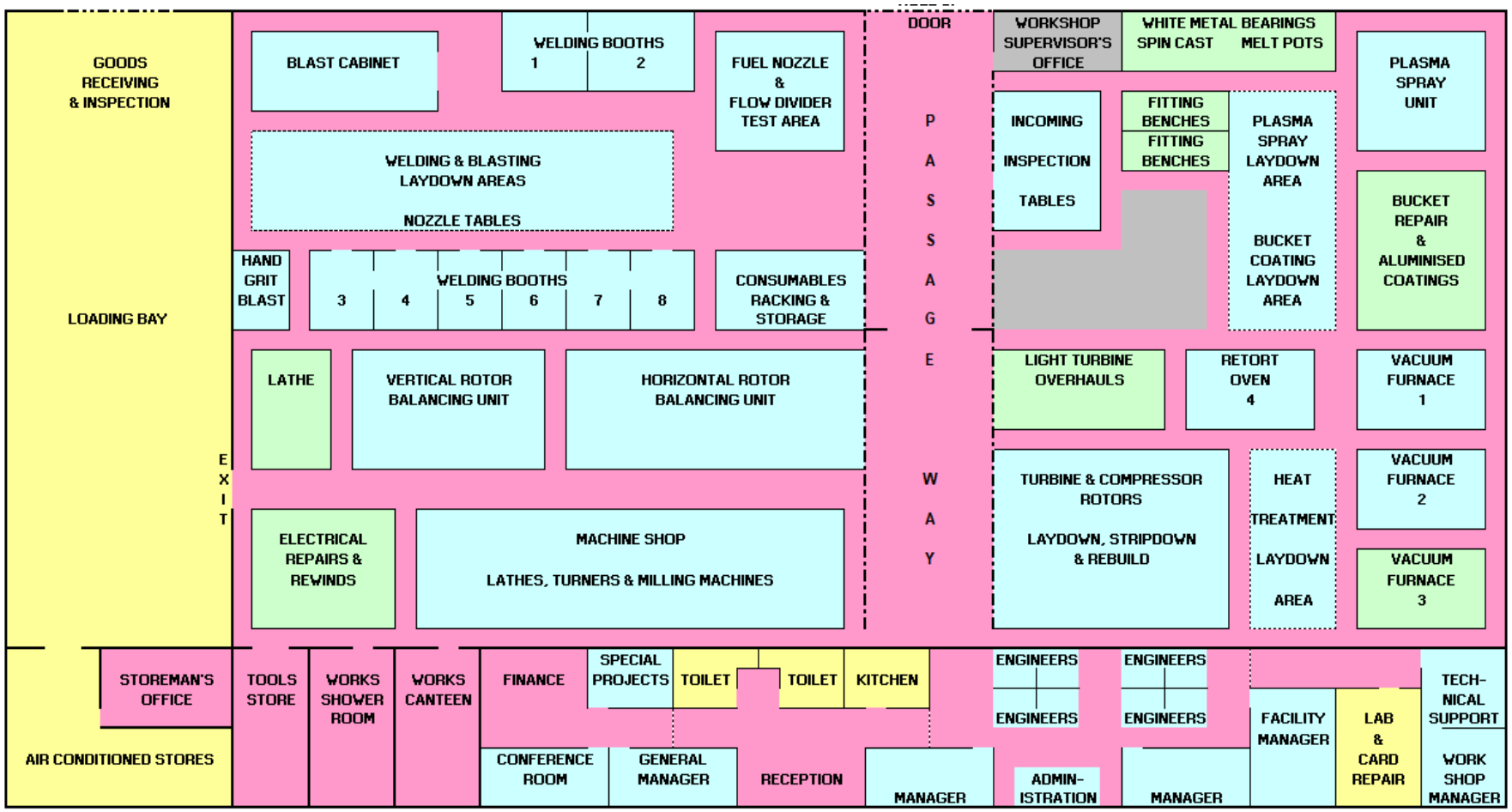
- Two (2) General Electric Frame 9 (model 9FA) combustion turbines and air cooled generators
- Two (2) CMI triple Pressure Heat Recovery Steam Generators (HRSG)
- One (1) condensing steam turbines with water cooled generators.
- One (1) water cooled condensers
- One (1) induced draft cooling towers
- Balance of plant (BOP) equipment consisting of Pumps, Heat Exchangers, Transformers, Power Electrics, etc.
- One (1) integrated plant distribution control system
- 110 kV Switchyard comprising of three (3) x 11kV to 110kV step-up transformers and one (1) station auxiliary transformer (the rating to be defined during detailed design)

The Plant will be designed for base load operations at 500MW in Simple Cycle and 750MW in Combined Cycle on a twenty four hours a day, seven days a week basis.

Plant Description

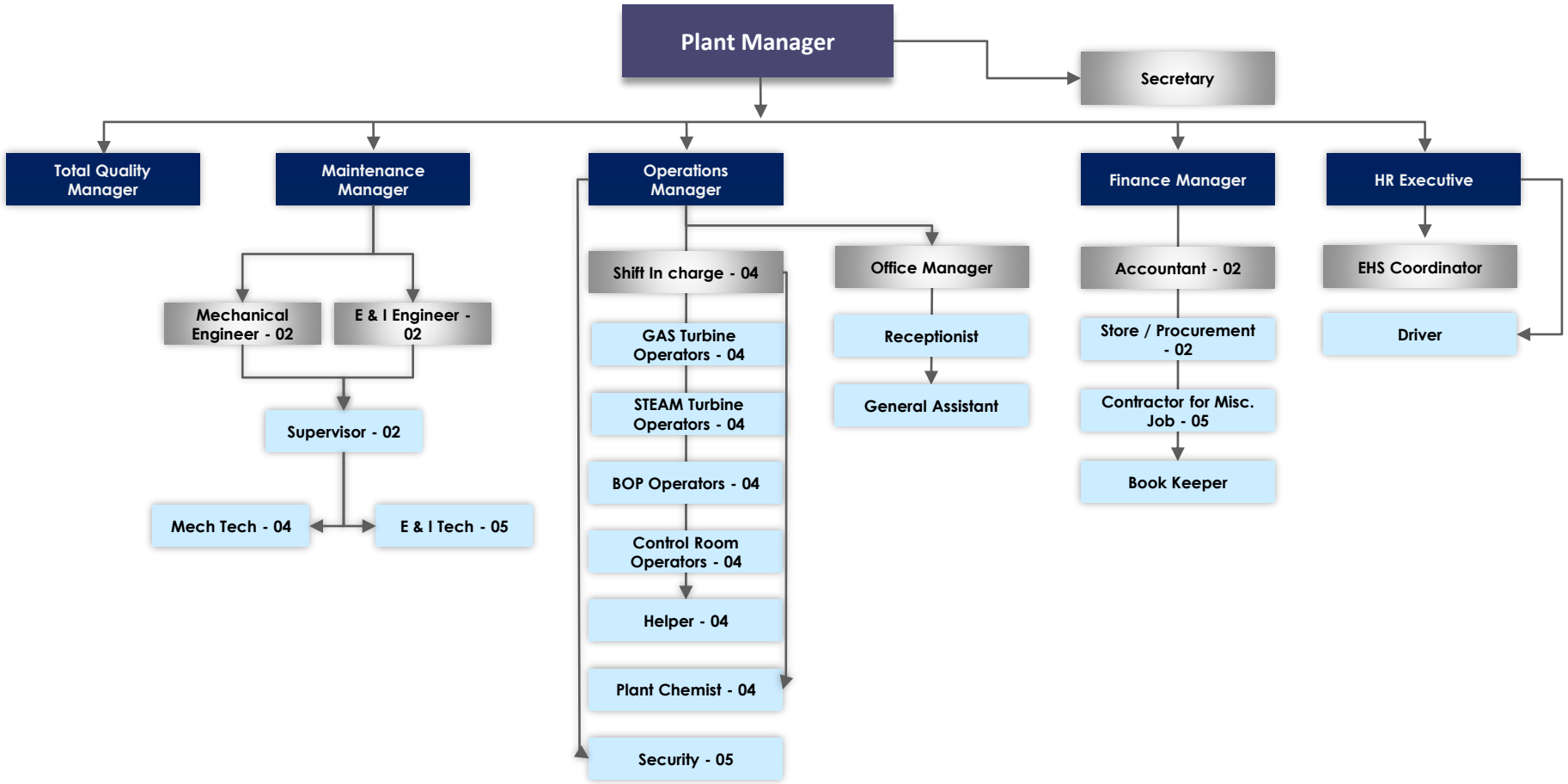


Workshop Layout

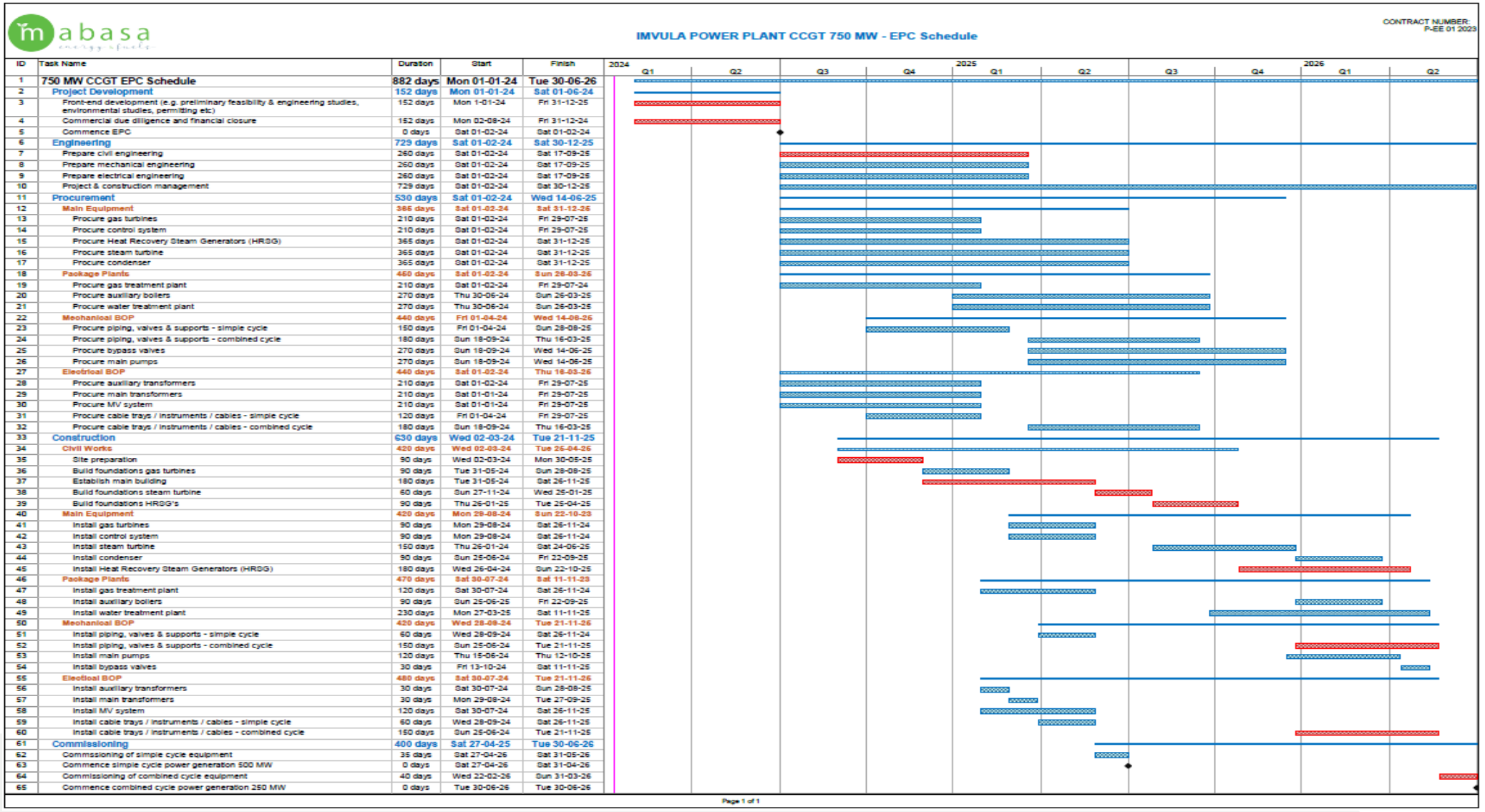


Operations and Maintenance

Operational Manpower
Manpower for the plant will be a mix of expatriate and local personnel with training and knowledge transfer for local personnel throughout the duration of the PPA. The manpower loading is as per the following organogram:



EPC SCHEDULE



mabasa energy fuels

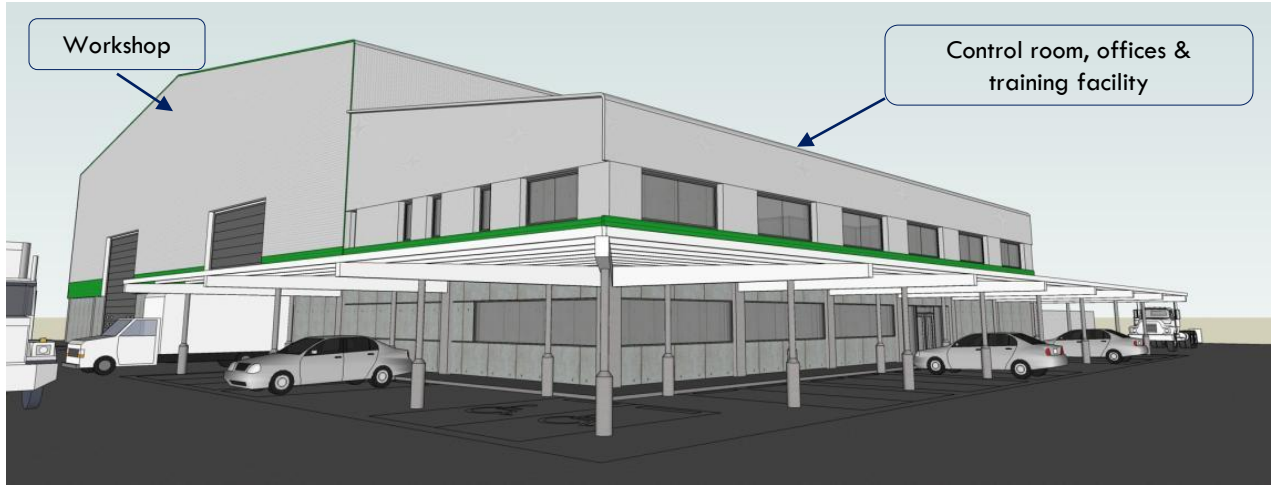
IMVULA POWER PLANT CCGT 750 MW - EPC Schedule

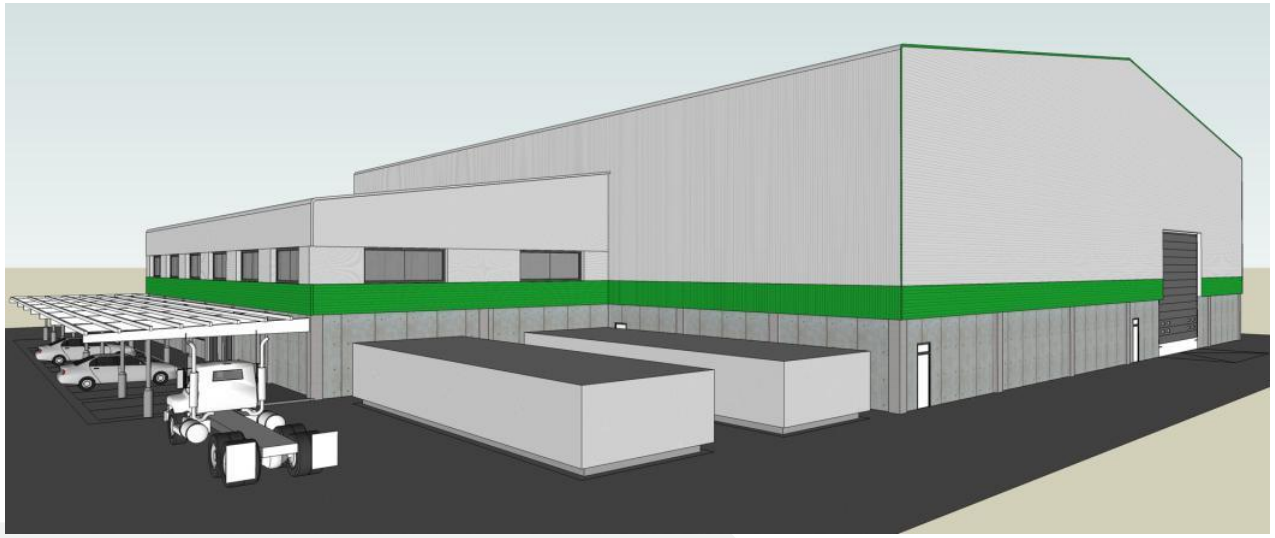
CONTRACT NUMBER: P-EE 01 2023

ID	Task Name	Duration	Start	Finish
1	750 MW CCGT EPC Schedule	882 days	Mon 01-01-24	Tue 30-06-26
2	Project Development	152 days	Mon 01-01-24	Sat 01-06-24
3	Front-end development (e.g. preliminary feasibility & engineering studies, environmental studies, permitting etc)	152 days	Mon 1-01-24	Fri 31-12-25
4	Commercial due diligence and financial closure	152 days	Mon 02-08-24	Fri 31-12-24
5	Commence EPC	0 days	Sat 01-02-24	Sat 01-02-24
6	Engineering	729 days	Sat 01-02-24	Sat 30-12-25
7	Prepare civil engineering	260 days	Sat 01-02-24	Sat 17-09-25
8	Prepare mechanical engineering	260 days	Sat 01-02-24	Sat 17-09-25
9	Prepare electrical engineering	260 days	Sat 01-02-24	Sat 17-09-25
10	Project & construction management	729 days	Sat 01-02-24	Sat 30-12-25
11	Procurement	530 days	Sat 01-02-24	Wed 14-06-25
12	Main Equipment	365 days	Sat 01-02-24	Sat 31-12-25
13	Procure gas turbines	210 days	Sat 01-02-24	Fri 29-07-25
14	Procure control system	210 days	Sat 01-02-24	Fri 29-07-25
15	Procure Heat Recovery Steam Generators (HRSG)	365 days	Sat 01-02-24	Sat 31-12-25
16	Procure steam turbine	365 days	Sat 01-02-24	Sat 31-12-25
17	Procure condenser	365 days	Sat 01-02-24	Sat 31-12-25
18	Package Plants	460 days	Sat 01-02-24	Sun 28-03-26
19	Procure gas treatment plant	210 days	Sat 01-02-24	Fri 29-07-24
20	Procure auxiliary boilers	270 days	Thu 30-06-24	Sun 26-03-25
21	Procure water treatment plant	270 days	Thu 30-06-24	Sun 26-03-25
22	Mechanical BOP	440 days	Fri 01-04-24	Wed 14-06-25
23	Procure piping, valves & supports - simple cycle	150 days	Fri 01-04-24	Sun 28-08-25
24	Procure piping, valves & supports - combined cycle	180 days	Sun 18-09-24	Thu 16-03-25
25	Procure bypass valves	270 days	Sun 18-09-24	Wed 14-06-25
26	Procure main pumps	270 days	Sun 18-09-24	Wed 14-06-25
27	Electrical BOP	440 days	Sat 01-02-24	Thu 16-03-26
28	Procure auxiliary transformers	210 days	Sat 01-02-24	Fri 29-07-25
29	Procure main transformers	210 days	Sat 01-01-24	Fri 29-07-25
30	Procure MV system	210 days	Sat 01-01-24	Fri 29-07-25
31	Procure cable trays / instruments / cables - simple cycle	120 days	Fri 01-04-24	Fri 29-07-25
32	Procure cable trays / instruments / cables - combined cycle	180 days	Sun 18-09-24	Thu 16-03-25
33	Construction	630 days	Wed 02-03-24	Tue 21-11-25
34	Civil Works	420 days	Wed 02-03-24	Tue 26-04-26
35	Site preparation	90 days	Wed 02-03-24	Mon 30-05-25
36	Build foundations gas turbines	90 days	Tue 31-05-24	Sun 28-08-25
37	Establish main building	180 days	Tue 31-05-24	Sat 26-11-25
38	Build foundations steam turbine	60 days	Sun 27-11-24	Wed 25-01-25
39	Build foundations HRSG's	90 days	Thu 26-01-25	Tue 25-04-25
40	Main Equipment	420 days	Mon 29-08-24	Sun 22-10-23
41	Install gas turbines	90 days	Mon 29-08-24	Sat 26-11-24
42	Install control system	90 days	Mon 29-08-24	Sat 26-11-24
43	Install steam turbine	150 days	Thu 26-01-24	Sat 24-06-25
44	Install condenser	90 days	Sun 25-06-24	Fri 22-09-25
45	Install Heat Recovery Steam Generators (HRSG)	180 days	Wed 26-04-24	Sun 22-10-25
46	Package Plants	470 days	Sat 30-07-24	Sat 11-11-23
47	Install gas treatment plant	120 days	Sat 30-07-24	Sat 26-11-24
48	Install auxiliary boilers	90 days	Sun 25-06-25	Fri 22-09-25
49	Install water treatment plant	230 days	Mon 27-03-25	Sat 11-11-25
50	Mechanical BOP	420 days	Wed 28-08-24	Tue 21-11-26
51	Install piping, valves & supports - simple cycle	60 days	Wed 28-09-24	Sat 26-11-24
52	Install piping, valves & supports - combined cycle	150 days	Sun 25-06-24	Tue 21-11-25
53	Install main pumps	120 days	Thu 15-06-24	Thu 12-10-25
54	Install bypass valves	30 days	Fri 13-10-24	Sat 11-11-25
55	Electical BOP	480 days	Sat 30-07-24	Tue 21-11-26
56	Install auxiliary transformers	30 days	Sat 30-07-24	Sun 28-08-25
57	Install main transformers	30 days	Mon 29-08-24	Tue 27-09-25
58	Install MV system	120 days	Sat 30-07-24	Sat 26-11-25
59	Install cable trays / instruments / cables - simple cycle	60 days	Wed 28-09-24	Sat 26-11-25
60	Install cable trays / instruments / cables - combined cycle	150 days	Sun 25-06-24	Tue 21-11-25
61	Commissioning	400 days	Sat 27-04-25	Tue 30-06-26
62	Commissioning of simple cycle equipment	35 days	Sat 27-04-26	Sat 31-05-26
63	Commence simple cycle power generation 500 MW	0 days	Sat 27-04-26	Sat 31-04-26
64	Commissioning of combined cycle equipment	40 days	Wed 22-02-26	Sun 31-03-26
65	Commence combined cycle power generation 250 MW	0 days	Tue 30-06-26	Tue 30-06-26

Page 1 of 1

Workshop/ Control Room/ Office Illustration





Employment Opportunities

The construction phase of the plant will require direct employment of over 300 local construction/ technician personnel and sub-contractor companies under the supervision of MJB International.





During the commissioning and operation phase around 50 local personnel will be employed and given hands-on training in Power Plant Operation and Maintenance. Over the 25 year period, it is anticipated that approximately 300 highly trained operations and maintenance personnel will graduate through the Mabasa Energy /MJB on site training program.

Community Development

To support the operation and maintenance of the plant, Fortune Power Development Ltd, with MJB, will construct workshop facilities. This will include combustion and hot gas path component repairs and turbine and compressor rotor refurbishments. Although mainly aimed at GE heavy frame equipment, repair of other OEM equipment, including renewable energy units, will be covered.





Repair capabilities will be developed with a view to providing services to regional and international clients. The workshop will employ and train local service staff in support of the operations. It is anticipated that it will employ a workforce of around 100 highly skilled personnel when fully established.

Thank You

Bavumile Skhosana

Richards Bay Industrial Development Zone

[redacted]

Donavan Henning

From: Matlhodi Mogorosi <[redacted]
Sent: Tuesday, 20 February 2024 11:18
To: Donavan Henning
Cc: [redacted]
Subject: RE: Pre-Application Meeting (2024-01-0024)

Dear Donavan,

The minutes of the pre-application meeting for the Combined Cycle Gas Turbine Power Plant in Richards Bay that were received on 16 February 2024 have been reviewed and are approved. On submission of your application, please ensure to include this correspondence.

Regards

Matlhodi Mogorosi
Department of Forestry, Fisheries and the Environment
Designation: Environmental Officer: Specialised Production
Directorate: National Infrastructure Development
[redacted]

From: Donavan Henning <DonavanH@nemai.co.za>
Sent: Friday, February 16, 2024 12:56 PM
[redacted]
Subject: RE: Pre-Application Meeting (2024-01-0024)

Dear All

Please find attached the draft minutes of the DFFE Pre-Application Meeting that was held on 8 February 2024 for the proposed 750MW Combined Cycle Gas Turbine Power Plant in Richards Bay.

Kindly advise if you have any comments.

Regards
Donavan Henning

Nemai Consulting
Tel : +27 11 781 1730
Fax : +27 11 781 1731
Mobile : +27 82 891 0604
Email : donavanh@nemai.co.za
Address : 147 Bram Fischer Drive Ferndale, 2194, South Africa
Postal Address : PO Box 1673, Sunninghill, 2157

-----Original Appointment-----
From: Donavan Henning
Sent: Tuesday, January 30, 2024 10:17 AM
[redacted]
Subject: Pre-Application Meeting (2024-01-0024)
When: Thursday, 08 February 2024 11:00-12:30 (UTC+02:00) Harare, Pretoria.
Where: Microsoft Teams Meeting

Dear All

Herewith the invitation to the DFFE Pre-Application Meeting Request for the proposed 750MW Combined Cycle Gas Turbine Power Plant in Richards Bay.

The draft agenda, which was appended to the meeting request form, is attached hereto.

Regards
Donavan Henning

Nemai Consulting
Tel : +27 11 781 1730
Fax : +27 11 781 1731
Mobile : +27 82 891 0604
Email : donavanh@nemai.co.za
Address : 147 Bram Fischer Drive Ferndale, 2194, South Africa
Postal Address : PO Box 1673, Sunninghill, 2157

Microsoft Teams meeting

Join on your computer, mobile app or room device
Click here to join the meeting

Meeting ID: 389 708 091 372
Passcode: 8KxHuC
Download Teams | Join on the web

Learn More | Meeting options

This email originated outside of Nemai Consulting - please be careful that the sender is who they purport to be.

APPENDIX 2
PROOF OF PAYMENT / MOTIVATION FOR EXCLUSION

Internet Banking
Standard Bank Centre
5 Simmonds Street, Johannesburg, 2001
P.O. Box 7725, Johannesburg, 2000
Telephone: 0860 123 000
International: +27 11 299 4701
Fax: +27 11 631 8550
Website: www.standardbank.co.za

Dear DFFE

We confirm that the following payment has been made into your account from SKHOSANA:

Reference number	3958242648
Beneficiary name	DFFE
Bank name	ABSA BANK
Beneficiary account number	XXXXXXXXXXX0072
Beneficiary branch number	63200500
Beneficiary reference	-28.745616;32.031371
Amount	R10000.00
Payment date and time	2026-02-27 14h58

If you need more information or have any questions about this payment, please contact:
SKHOSANA

Payments to Standard Bank accounts may take up to one business day to reflect.
Payments to other banks may take up to three business days.

Please check your account to confirm you have received this payment.

Yours sincerely,
The Internet Banking Team

The Standard Bank of South Africa Limited (Reg. No. 1962/000738/06) Authorised financial services provider and registered credit provider (NCRCP15)

Directors: N Nyembezi (Chairman) DWP Hodnett* (Chief Executive Officer) LL Bam HJ Berrange PLH Cook A Daehnke* OA David-Borha1 GJ Fraser-Moleketi GMB Kennealy BJ Kruger Li Li2 JH Maree NNA Matyumza RN Ogega3 Fenglin Tian2 SK Tshabalala*

Company Secretary: K Froneman - 2025/10/10

*Executive Director 1Nigerian 2Chinese 3Kenyan

APPENDIX 3
LIST OF LANDOWNERS

(with contact details) and written consent of landowners. If more than 1 landowner consent is attached, use sub-number 3a, 3b, 3c to denote the associated document.

- If more than 1 landowner consent is attached, use sub-number 3a, 3b, 3c to denote the associated document.
- See attached template for landowner consent.
- In addition, the below list of landowners must be completed.

Listed Activity	Project description	Farm Portions	Farm Owner	Landowner consent provided Y/N	Include document name
LN1, Activity 11(ii) LN1, Activity 13 LN1, Activity 27 LN1, Activity 28(i) LN2, Activity 2 LN2, Activity 4 LN2, Activity 6 LN3, Activity 4 – (d)(viii) LN3, Activity 10 – (d)(ix) LN3, Activity 12 – (d)(iv) & (v)	Proposed 750MW Combined Cycle Gas Turbine Power Plant and associated infrastructure	Erf 16673 of Richards Bay Ext 28	Richards Bay Industrial Development Zone Company SOC Ltd (RBIDZ)	Yes	Appendix 3a

*If more than 1 activity applies to the same farm portion/property and same landowner, One (1) landowner consent form may be submitted, which clearly outlines all the relevant activities specific to said property and landowner.

APPENDIX 3 (a/b/c etc)
CONSENT FROM THE LANDOWNER / PERSON IN CONTROL OF THE LAND, ON WHICH THE ACTIVITY IS TO BE UNDERTAKEN

Not applicable due to the Project's SIP status.

Submitted in terms of the requirements of sub-regulation 39(1) of the Environmental Impact Assessment Regulations, 2014 (if the applicant is not the owner or person in control of the land on which the activity is to be undertaken).

KINDLY NOTE THAT:

1. This document should be attached as Appendix 3 to: The application form for Environmental Authorization in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998).
2. This form is current as of August 2023. It is the responsibility of the Applicant / Environmental Assessment Practitioner ("EAP") to ascertain whether subsequent versions of the form have been released by the Department.
3. One form must be filled in per landowner.

1. DETAILS OF APPLICANT:

Project Applicant	Click or tap here to enter text.
Trading name (if any)	Click or tap here to enter text.
Contact person	Click or tap here to enter text.
Physical address	Click or tap here to enter text.
Postal address:	Click or tap here to enter text.
Postal code	Click or tap here to enter text.
Telephone/ cell:	Click or tap here to enter text.
E-mail:	Click or tap here to enter text.

2. DETAILS OF LANDOWNER:
(where the applicant is not the landowner or person in control of the land)

Landowner or person in control of the land:	Click or tap here to enter text.
Contact person	Click or tap here to enter text.
Physical address	Click or tap here to enter text.
Postal address:	Click or tap here to enter text.
Postal code	Click or tap here to enter text.
Telephone/ cell:	Click or tap here to enter text.
E-mail:	Click or tap here to enter text.

3. PROJECT DETAILS AND ACTIVITIES APPLIED FOR:

Project title	Click or tap here to enter text.

3.1. Activities applied for:

Describe each listed activity in Listing Notices 1, 2 or 3 (GNR 983 -985, 04 December 2014) which is being applied for as per the project description

Activity No(s):	Provide the relevant **Basic Assessment Activity(ies)** as set out in **Listing Notice 1** of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates. Ensure to include thresholds/area/footprint applicable.

Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Activity No(s):	Provide the relevant **Scoping and EIA Activity(ies**) as set out in **Listing Notice 2** of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates. Ensure to include thresholds/area/footprint applicable.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Activity No(s):	Provide the relevant **Basic Assessment Activity(ies)** as set out in **Listing Notice 3** of the EIA Regulations, 2014 as amended	Describe the portion of the proposed project to which the applicable listed activity relates. Ensure to include thresholds/area/footprint applicable.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.

4. PROPERTY DESCRIPTION:

Property Description	Click or tap here to enter text. (Farm name, portion etc.) Where a large number of properties are involved), please attach a full list to this application.
Town(s) or district(s):	Click or tap here to enter text.
Physical (street) address of project:	Click or tap here to enter text.

5. CONSENT FROM LANDOWNER OR PERSON IN CONTROL OF THE LAND TO UNDERTAKE THE ACTIVITY/IES:

I, Click or tap here to enter text.declare that, I:-

1. Am the landowner or person in control of the property described in Section 4 of this document; and
2. That I hereby give consent to the applicant Click or tap here to enter text. as described in section 1 of this document to undertake the activity/ies as described in section 3 of this document on the property described in section 4.

_____

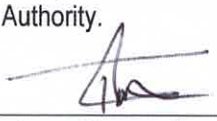
Signature of the landowner or person in control of the land

Monday, 03 July 2023

APPENDIX 4
DECLARATION OF APPLICANT

I, **Bavumile Tedd-Marvin Skhosana** declare that –

a) I am, or represent[1], the applicant in this application;
b) I have appointed a valid, EAPASA registered Environmental Assessment Practitioner (EAP) to act as the independent EAP for this application / have obtained exemption from the requirement to obtain an EAP[2];
c) I will take all reasonable steps to verify whether the EAP and specialist/s appointed are independent, affiliated with the relevant professional body e.g. EAPASA/SACNASP etc and have expertise in conducting environmental impact assessments or undertaking specialist work as required, including knowledge of the Act, the EIA Regulations and any guidelines that have relevance to the proposed activity;
d) I will provide the EAP and the Competent Authority with access to all information at my disposal that is relevant to the application;
e) I will be responsible for the costs incurred in complying with the EIA Regulations, including but not limited to –
   - costs incurred in connection with the appointment of the EAP or any person contracted by the EAP;
   - costs incurred in respect of the undertaking of any process required in terms of the Regulations;
   - costs in respect of any fee prescribed by the Minister or MEC in respect of the Regulations;
   - costs in respect of specialist reviews, if the Competent Authority decides to recover costs; and
   - the provision of security to ensure compliance with conditions attached to an environmental authorisation, should it be required by the Competent Authority;
f) I will inform all registered interested and affected parties of any suspension of the application as well as of any decisions taken by the Competent Authority in this regard;
g) I am responsible for complying with the conditions of any environmental authorisation issued by the Competent Authority;
h) I hereby indemnify the Government of the Republic of South Africa, the Competent Authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action which the applicant or EAP is responsible for in terms of these Regulations;
i) I will not hold the Competent Authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorisation or prior to an appeal being decided in terms of these EIA Regulations;
j) I will perform all obligations as expected from an applicant in terms of the EIA Regulations;
k) All the particulars furnished by me in this form are true and correct;
l) I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in section 49B of the NEMA Act; and
m) I am aware that in terms of Section 24F of the National Environmental Management Act, as amended (Act No. 107 of 1998) that no listed activity may commence prior to an environmental authorisation being granted by the Competent Authority.



Signature of the applicant/ Signature on behalf of the applicant

Mabasa Energy and Fuels (Pty) Ltd

Name of company (if applicable)

11 Sept 2026

Date

[1] If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached. If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority.

[2] If exemption is obtained from appointing an EAP, the responsibilities of an EAP will automatically apply to the person conducting the environmental impact assessment in terms of the Regulations.

APPENDIX 5
LIST OF LOCAL/PROVINCIAL AUTHORITY INVOLVED
(WITH CONTACT DETAILS)

See Section 3 of the Application Form.

(Use this table as a template for information)

Provincial/Local authority:	Click or tap here to enter text.
Contact person:	Click or tap here to enter text.
Postal/Physical address:	Click or tap here to enter text.
Telephone/Cell:	Click or tap here to enter text.
E-mail:	Click or tap here to enter text.

APPENDIX 6A
PROOF OF APPOINTMENT OF EAP BEFORE 8 AUGUST 2022

Not applicable.

APPENDIX 6B
VALID EAPASA REGISTRATION CERTIFICATE

Environmental Assessment Practitioners Association of South Africa

Registration No. 2020/1217

Herewith certifies that

DONAVAN HENNING

is registered as an

Environmental Assessment Practitioner

Registered in accordance with the prescribed criteria of Regulation 15. (1) of the Section 24H Registration Authority Regulations (Regulation No. 849, Gazette No. 40154 of 22 July 2016, of the National Environmental Management Act (NEMA), Act No. 107 of 1998, as amended).

Effective: 01 April 2026

Expires: 31 March 2027

Chairperson

Registrar

SAQA
SOUTH AFRICAN QUALIFICATIONS AUTHORITY

APPENDIX 6C
DECLARATION OF EAP AND UNDERTAKING UNDER OATH OR AFFIRMATION

I, **Donavan Henning**, declare that –

a) I act as the independent, registered in terms of EAPASA, environmental assessment practitioner in this application;
b) I have expertise in conducting environmental impact assessments, including knowledge of the Act, EIA Regulations and any guidelines that have relevance to the proposed activity;
c) I will comply with the Act, EIA Regulations and all other applicable legislation;
d) I am aware that I must be registered with Environmental Assessment Practitioners Association of South Africa (EAPASA) in terms of Regulation 14 of Section 24H Registration Authority Regulations, 2016, as amended.
e) I am aware that a candidate EAP may only assist the registered EAP and work under the supervision of a registered EAP (regulation 14(6) in the S24H Registration Authority Regulations, 2016, as amended) such as myself. I take full responsibility for the work conducted.
f) I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
g) I will take into account, to the extent possible, the matters listed in Regulation 13 of the EIA Regulations and Regulation 14 of S24H of Section 24H Registration Authority Regulations, 2016, as amended, when preparing the application and any report relating to the application;
h) I undertake to disclose to the applicant and the Competent Authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the Competent Authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the Competent Authority, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the Competent Authority;
i) I will perform all obligations as expected from an environmental assessment practitioner in terms of the EIA Regulations and S24H of NEMA ; and
j) I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in Section 49B of the Act and EIA Regulations and Regulation 18 and 20 of S24H Registration Authority Regulations, 2016, as amended.

Disclosure of Vested Interest (delete whichever is not applicable)

k) I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the EIA Regulations;
~~l) I have a vested interest in the proposed activity proceeding, such vested interest being:~~

Not applicable



Signature of the registered environmental assessment practitioner

Nemai Consulting
Name of company:

Friday, 11 September 2026
Date

UNDERTAKING UNDER OATH/ AFFIRMATION

I, Donavan Henning swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.

Signature of the registered Environmental Assessment Practitioner

Nemai Consulting

Name of Company

11/09/2026

Date

Signature of the Commissioner of Oaths

11 | 09 | 2026

Date

Colette Henning
Commissioner of Oaths
Ex Officio - Practising Attorney
7 Katbos Avenue
Bassonia, Johannesburg
082 463 5547

APPENDIX 7A
RENEWABLE ENERGY DEVELOPMENT ZONE MAP

Not applicable.

APPENDIX 7B
EGI IN STRATEGIC TRANSMISSION CORRIDOR MAP

Not applicable.

APPENDIX 7C
PRE-NEGOTIATED ROUTE AGREEMENT FOR EGI

Not applicable.

APPENDIX 7D
MOTIVATION PERTAINING TO THE STANDARD AS PER GNR 2313

Not applicable.

APPENDIX 7E
EGI IN RENEWABLE ENERGY DEVELOPMENT ZONE MAP

Not applicable.

APPENDIX 7F
PRE-NEGOTIATED ROUTE AGREEMENT FOR EGI IN REDZ

Not applicable.

APPENDIX 7G
GAS TRANSMISSION PIPELINE INFRASTRUCTURE MAP

Not applicable.

APPENDIX 7H
PRE-NEGOTIATED ROUTE AGREEMENT FOR GAS TRANSMISSION PIPELINE

Not applicable.

APPENDIX 8A
LIST OF STRATEGIC INFRASTRUCTURE PROJECTS

SIP NUMBER	SIP NAME

APPENDIX 8B
SIP CONFIRMATION LETTER FROM SIP COORDINATOR

TD

Thandokuhle Duze
To You, Sinamile Zuma

27 Feb

Dear Mr Skhosana,

I trust you are well.

Further to the submission of the SIP application, ISA has advised that Mabasa may utilise the email received from Nkosikhona as formal acknowledgement of receipt of the application.

ISA has further indicated that they remain available to support and respond to any inquiries or clarification requests relating to the application process.

Please do not hesitate to reach out should any additional information be required from our side.

Kind regards,
Thando Duze

Get Outlook for iOS

From: Thandokuhle Duze [redacted]
Sent: Wednesday, February 25, 2026 3:30:08 PM

From: Nkosikhona Khumalo [redacted]

Sent: Wednesday, February 25, 2026 11:19 AM

To: Thandokuhle Duze

[redacted]

Cc: Sinamile Zuma [redacted]

Njabulo Khuzwayo [redacted]

Subject: RE: Urgent Request for SIP Status Support – Mabasa Energy Winning Bid (Ekurhuleni Dispatchable Power RFP)

Good day Thandokuhle,

The receipt of your application via the ISA website portal is hereby formally acknowledged.

ISA do not ordinarily furnish the applicant with the acknowledgement of receipt letter.

The submission is currently under review. Njabulo will be communicating with yourselves on clarifications, if any.

Kind regards,

Nkosikhona Khumalo
Energy Infrastructure Specialist

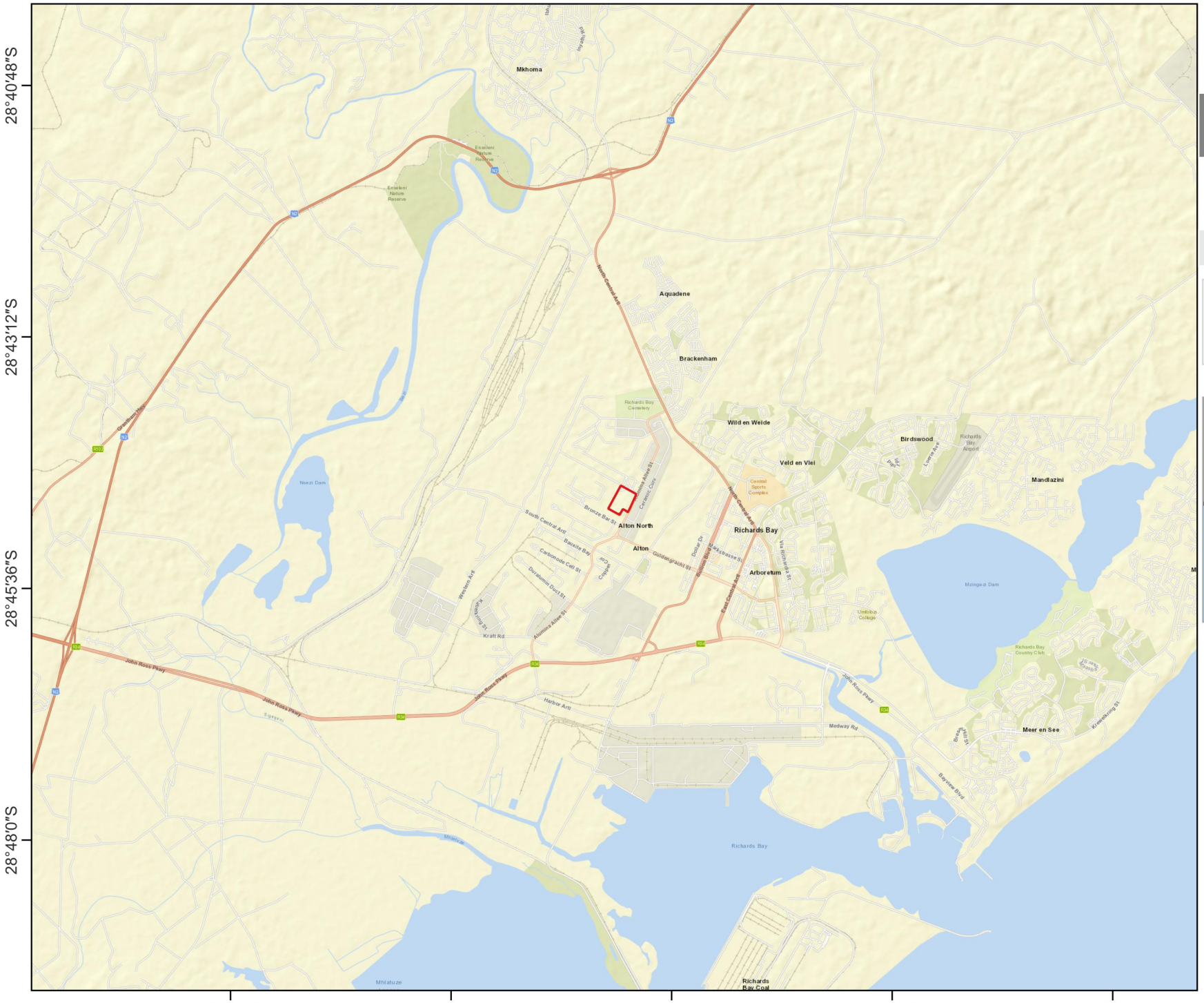
[redacted]

APPENDIX 9
LIST OF SGIDS AND COORDINATES

Please include Farm name, portion number, SGID and coordinates (where applicable)

See Section 7 of the Application Form.

APPENDIX 10
LOCALITY MAP



mabasa energy & fuels

750MW Combined Cycle Gas Turbine Power Plant in Richards Bay

Locality Map

Legend

Erf 16673

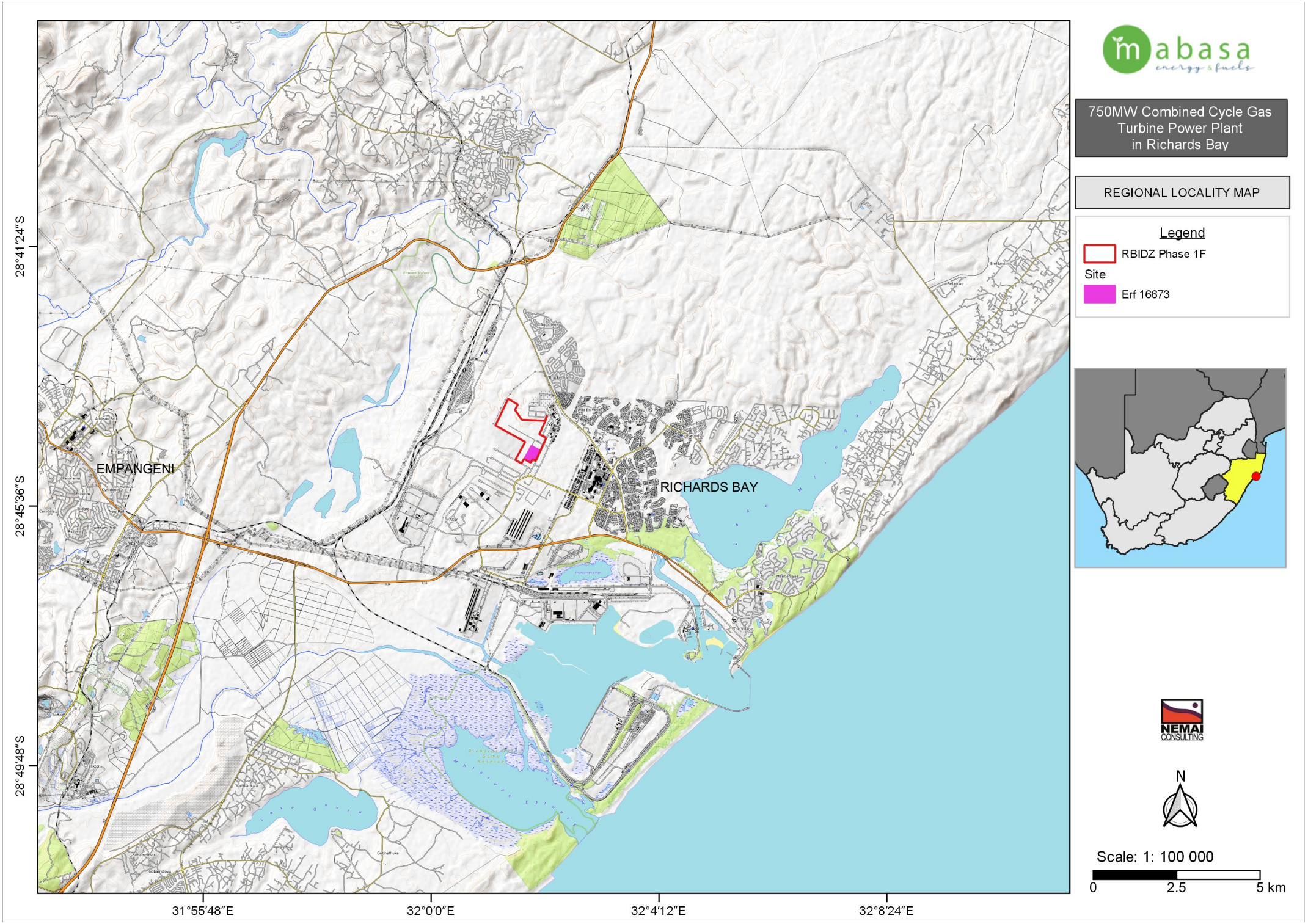


NEMAI CONSULTING

N

Scale: 1: 50 000

0 1,5 3 km

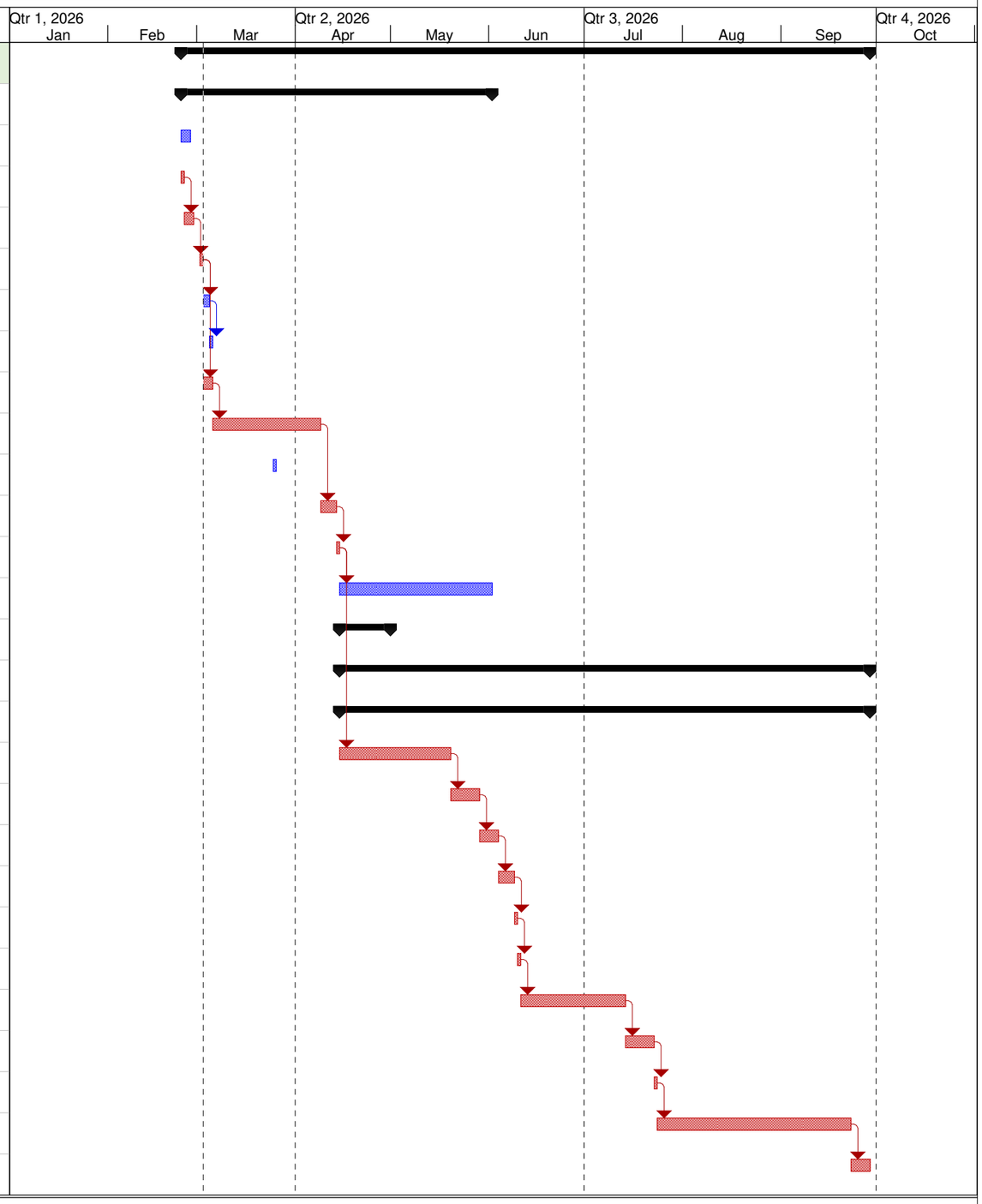

28°41'24"S
28°45'36"S
28°49'48"S
31°55'48"E
32°0'0"E
32°4'12"E
32°8'24"E
EMPANGENI
RICHARDS BAY
mabasa
energy & fuels
750MW Combined Cycle Gas Turbine Power Plant in Richards Bay
REGIONAL LOCALITY MAP
Legend
RBIDZ Phase 1F
Site
Erf 16673
NEMAI CONSULTING
N
Scale: 1: 100 000
0
2.5
5 km

APPENDIX 11
PROJECT SCHEDULE

Outdated

750MW Combined Cycle Gas Turbine Power Plant in Richards Bay - S&EIR Programme

ID	Task Name	Duration	Start	Finish	Predecessors
1	**Scoping & EIA Process**	**148 days**	**Tue 24 02 26**	**Mon 28 09 26**	
2	**Scoping Phase**	**66 days**	**Tue 24 02 26**	**Mon 01 06 26**	
3	Complete Application Form	3 days	Tue 24 02 26	Thu 26 02 26	
4	Draft Scoping Report - Submit to Client	1 day	Tue 24 02 26	Tue 24 02 26	
5	Project Team Review	3 days	Wed 25 02 26	Fri 27 02 26	4
6	Update Draft Scoping Report	1 day	Mon 02 03 26	Mon 02 03 26	5
7	Print & Distribute Report for Public & Authorities Review	2 days	Tue 03 03 26	Wed 04 03 26	6
8	Submit Application Form & Draft Scoping Report to DFFE	1 day	Thu 05 03 26	Thu 05 03 26	7
9	Notification of Review (Emails, Newspapers, Site Notices)	3 days	Tue 03 03 26	Thu 05 03 26	6
10	Authorities & Public Review (30 days)	22 days	Fri 06 03 26	Wed 08 04 26	9
11	Public Meeting	1 day	Wed 25 03 26	Wed 25 03 26	
12	Finalise Scoping Report	3 days	Thu 09 04 26	Mon 13 04 26	10
13	Submit Final Scoping Report to DFFE	1 day	Tue 14 04 26	Tue 14 04 26	12
14	DFFE Review and Acceptance	32 days	Wed 15 04 26	Mon 01 06 26	13
15	**Specialist Studies**	**11 days**	**Wed 15 04 26**	**Thu 30 04 26**	
17	**EIA Phase**	**114 days**	**Wed 15 04 26**	**Mon 28 09 26**	
18	**EIA Report**	**114 days**	**Wed 15 04 26**	**Mon 28 09 26**	
19	Compile Draft EIA Report	23 days	Wed 15 04 26	Tue 19 05 26	13
20	Project Team Review	7 days	Wed 20 05 26	Thu 28 05 26	19
21	Update Draft EIA Report	4 days	Fri 29 05 26	Wed 03 06 26	20
22	Print & Distribute Report for Public & Authorities Review	3 days	Thu 04 06 26	Mon 08 06 26	21
23	Submit Draft EIA Report to DFFE	1 day	Tue 09 06 26	Tue 09 06 26	22
24	Notification of Review	1 day	Wed 10 06 26	Wed 10 06 26	23
25	Authorities and I&APs Review of Draft EIA Report	22 days	Thu 11 06 26	Mon 13 07 26	24
26	Finalise EIA Report	7 days	Tue 14 07 26	Wed 22 07 26	25
27	Submit Final EIA Report to DFFE	1 day	Thu 23 07 26	Thu 23 07 26	26
28	DFFE Review and Decision	42 days	Fri 24 07 26	Tue 22 09 26	27
29	Notify I&APs of Decisions	3 days	Wed 23 09 26	Mon 28 09 26	28



Task	Rolled Up Split	External Milestone	Duration-only	Critical
Split	Rolled Up Milestone	Inactive Task	Manual Summary Rollup	Critical Split
Milestone	Rolled Up Progress	Inactive Milestone	Manual Summary	Progress
Summary	External Tasks	Inactive Summary	Start-only	Deadline
Rolled Up Task	Project Summary	Manual Task	Finish-only	

Version: 1.2
Date: 02/03/2026

APPENDIX 12
SECTION 50(5) OF NEM:PAA APPROVAL

Not applicable.

APPENDIX 13
NOTICE OF INTENT IN TERMS OF NHRA 25 OF 1999

The draft Scoping Report will be uploaded to the South African Heritage Resources Information System (SAHRIS) and a Case ID will be obtained from this system.

APPENDIX 14
SCREENING TOOL REPORT

SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORIZATION AS REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED SITE ENVIRONMENTAL SENSITIVITY

EIA Reference number: To be assigned

Project name: Proposed 750MW Combined Cycle Gas Turbine Power Plant in Richards Bay

Project title: EIA

Date screening report generated: 27/02/2026 06:16:39

Applicant: Mabasa Energy and Fuels

Compiler: Donavan Henning

Compiler signature: .....

Application Category: Utilities Infrastructure|Electricity|Generation|Non Renewable|Hydrocarbon|Petroleum

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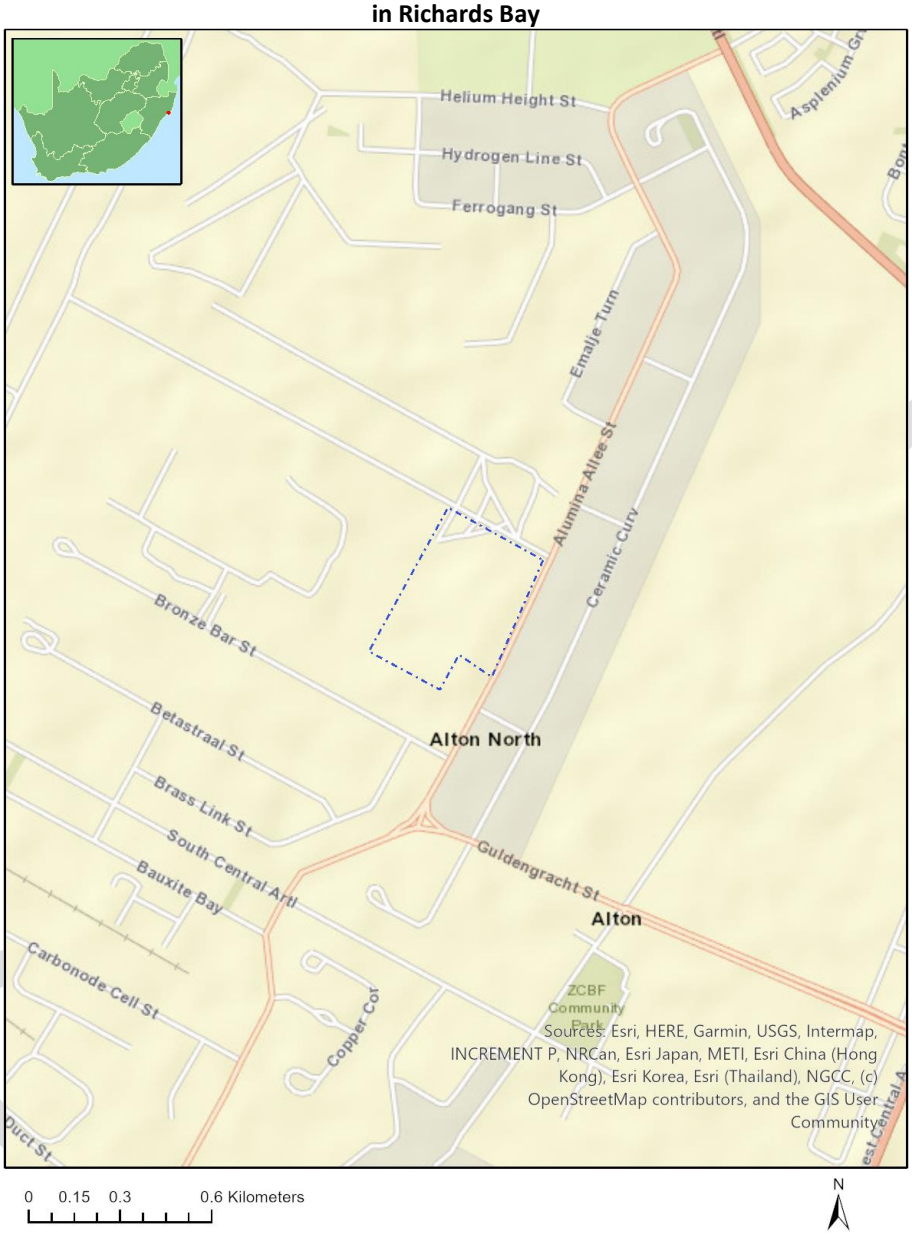
Proposed Project Location 3
Orientation map 1: General location 3
Map of proposed site and relevant area(s) 4
Cadastral details of the proposed site 4
Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area 5
Environmental Management Frameworks relevant to the application 5
Environmental screening results and assessment outcomes 5
Relevant development incentives, restrictions, exclusions or prohibitions 5
Proposed Development Area Environmental Sensitivity 5
Specialist assessments identified 6
Results of the environmental sensitivity of the proposed area. 8
MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY 8
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MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY 10
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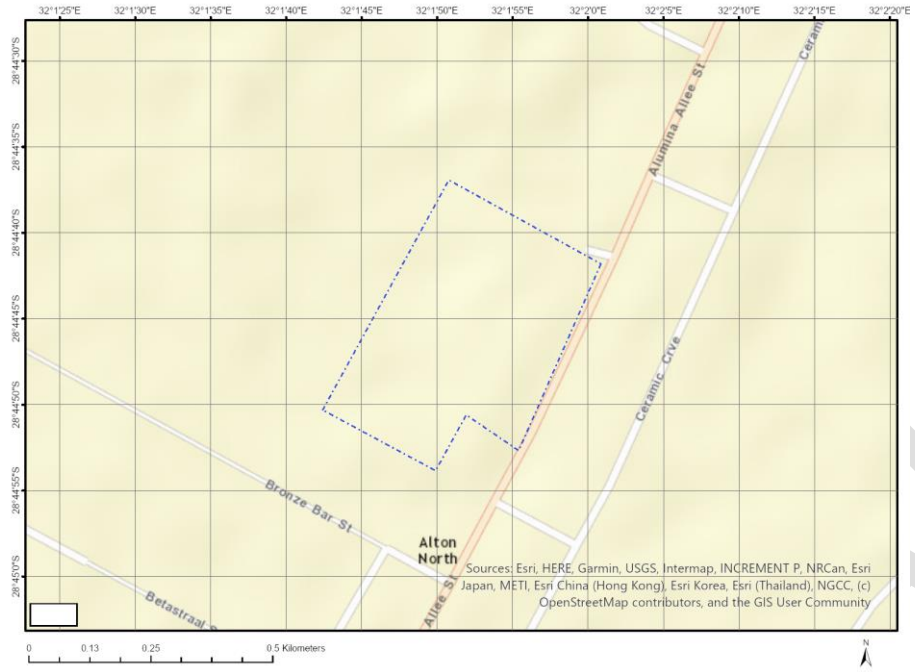
Proposed Project Location

Orientation map 1: General location

General Orientation: Proposed 750MW Combined Cycle Gas Turbine Power Plant in Richards Bay



Map of proposed site and relevant area(s)



Cadastral details of the proposed site

Property details:

No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1	RICHARDS BAY	8777	0	28°44'53.31S	32°1'43.09E	Erven
2	RICHARDS BAY	8780	0	28°44'53.83S	32°1'52.17E	Erven
3	RICHARDS BAY	8778	0	28°44'54.73S	32°1'47.06E	Erven
4	RICHARDS BAY	8779	0	28°44'56.31S	32°1'50.7E	Erven
5	RICHARDS BAY	8780	1	28°44'52.25S	32°1'53.21E	Erven
6	RICHARDS BAY	16673	0	28°44'45.5S	32°1'51.91E	Erven
7	RICHARDS BAY	16674	0	28°44'43.74S	32°1'41.72E	Erven
8	RICHARDS BAY	16818	0	28°44'37.31S	32°1'57.05E	Erven
9	RICHARDS BAY	16819	0	28°44'33.59S	32°1'49.93E	Erven
10	RICHARDS BAY	8721	0	28°44'32.39S	32°1'42.27E	Erven
11	RESERVE 6	15825	0	28°45'14.19S	32°1'51.2E	Farm
12	RESERVE 6	15825	0	28°45'13.18S	32°1'51.11E	Farm Portion

Development footprint[1] vertices:
No development footprint(s) specified.

[1] "development footprint", means the area within the site on which the development will take place and incudes all ancillary developments for example roads, power lines, boundary walls, paving etc. which require vegetation clearance or which will be disturbed and for which the application has been submitted.

Disclaimer applies

Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area

No	EIA Reference No	Classification	Status of application	Distance from proposed area (km)
1	12/12/20/2387	Wind	Approved	13.3
2	12/12/20/2387/AM1	Wind	Approved	11.1
3	14/12/16/3/3/2/2041	Solar PV	Approved	5
4	14/12/16/3/3/2/867	Solar PV	Approved	0.3

Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

Environmental screening results and assessment outcomes

The following sections contain a summary of any development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmental sensitive features on the site based on the site sensitivity screening results for the application classification that was selected. The application classification selected for this report is: **Utilities Infrastructure|Electricity|Generation|Non Renewable|Hydrocarbon|Petroleum**.

Relevant development incentives, restrictions, exclusions or prohibitions

The following development incentives, restrictions, exclusions or prohibitions and their implications that apply to this site are indicated below.

Incentive, restriction or prohibition	Implication
Strategic Transmission Corridor-Expanded Eastern Corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_EGI.pdf
Strategic Gas Pipeline Corridors-Phase 7: Coega to Richards Bay	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_GAS.pdf

Proposed Development Area Environmental Sensitivity

The following summary of the development site environmental sensitivities is identified. Only the highest environmental sensitivity is indicated. The footprint environmental sensitivities for the proposed development footprint as identified, are indicative only and must be verified on site by a suitably qualified person before the specialist assessments identified below can be confirmed.

Theme	Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
Agriculture Theme	X			
Animal Species Theme		X		

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Aquatic Biodiversity Theme	X			
Archaeological and Cultural Heritage Theme				X
Civil Aviation Theme		X		
Defence Theme				X
Paleontology Theme				X
Plant Species Theme			X	
Terrestrial Biodiversity Theme	X			

Specialist assessments identified

Based on the selected classification, and the known impacts associated with the proposed development, the following list of specialist assessments have been identified for inclusion in the assessment report. It is the responsibility of the EAP to confirm this list and to motivate in the assessment report, the reason for not including any of the identified specialist study including the provision of photographic evidence of the site situation.

No	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
3	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/GuidanceforHIA.pdf
4	Palaeontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/GuidanceforPIA.pdf
5	Terrestrial Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf
6	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf
7	Hydrology Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
8	Noise Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Noise_Impacts_Assessment_Protocol.pdf
9	Traffic Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
10	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
11	Climate Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
12	Health Impact	https://screening.environment.gov.za/ScreeningDownloads/Asse

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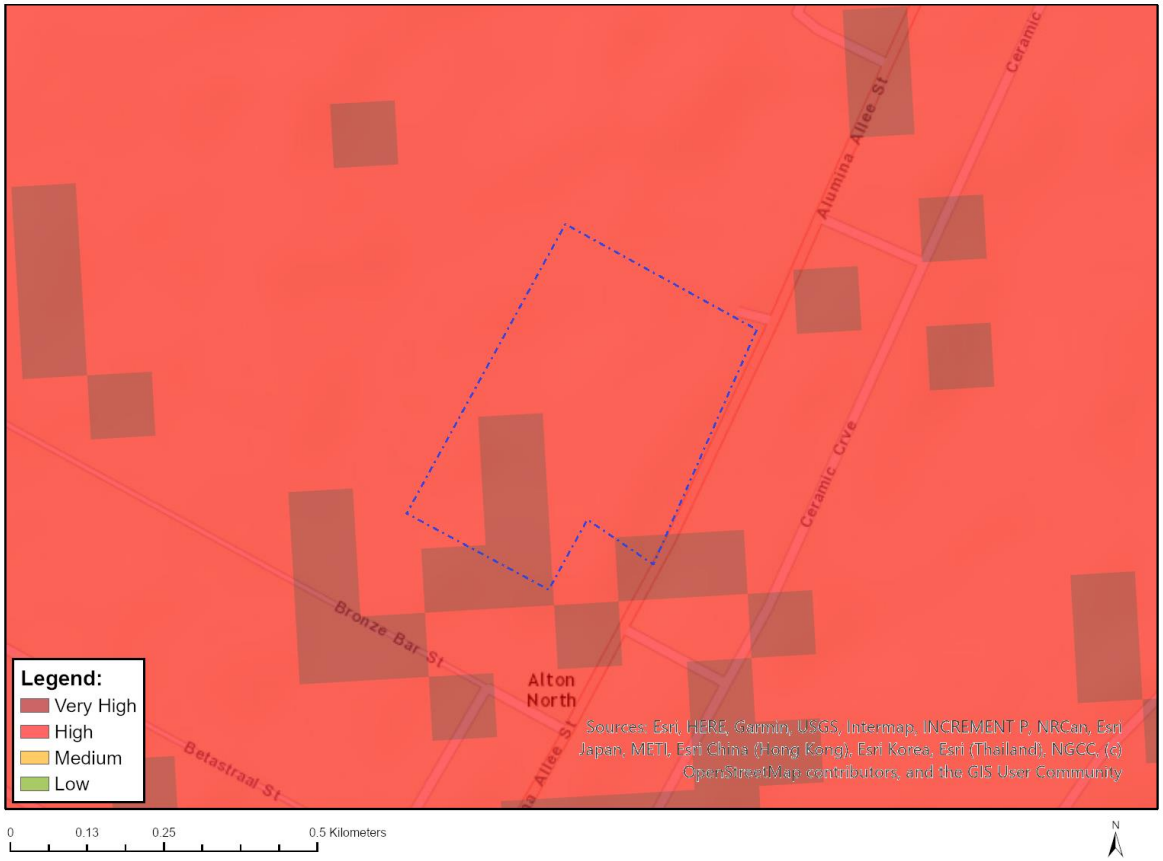
	Assessment	ssmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
13	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
14	Ambient Air Quality Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
15	Air Quality Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
16	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
17	Animal Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Animal_Species_Assessment_Protocols.pdf

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Results of the environmental sensitivity of the proposed area.

The following section represents the results of the screening for environmental sensitivity of the proposed site for relevant environmental themes associated with the project classification. It is the duty of the EAP to ensure that the environmental themes provided by the screening tool are comprehensive and complete for the project. Refer to the disclaimer.

MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	10. Moderate-High
Very High	11. High

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Aves-Circaetus fasciolatus
High	Aves-Podica senegalensis
High	Aves-Circus ranivorus
High	Aves-Stephanoaetus coronatus
High	Aves-Polemaetus bellicosus
High	Aves-Geokichla guttata
Medium	Amphibia-Hyperolius pickersgilli
Medium	Aves-Nettapus auritus
Medium	Aves-Terathopius ecaudatus
Medium	Aves-Balearica regulorum
Medium	Aves-Halcyon senegaloides
Medium	Mammalia-Lycaon pictus
Medium	Sensitive species 8

Disclaimer applies

Medium	Reptilia-Crocodylus niloticus
Medium	Reptilia-Pelusios rhodesianus
Medium	Invertebrate-Arytropteris basalis
Medium	Invertebrate-Pomatonota dregii

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity
Very High	Wetlands_Depression

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

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MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 8 km of other civil aviation aerodrome

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MAP OF RELATIVE DEFENCE THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

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MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY



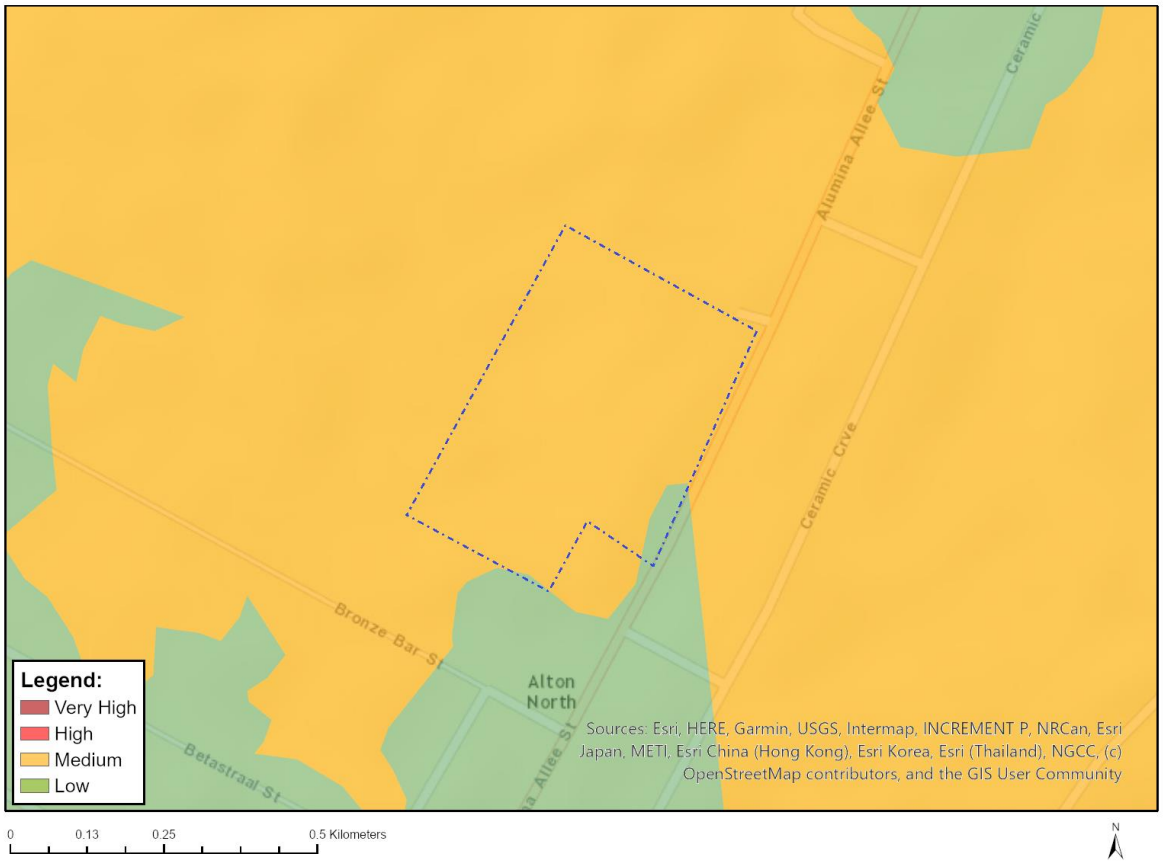
Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Features with a Low paleontological sensitivity

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MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity
Medium	Sensitive species 1252
Medium	Thesium polygaloides
Medium	Sensitive species 89
Medium	Freesia laxa subsp. azurea
Medium	Fimbristylis aphylla
Medium	Emplectanthus cordatus
Medium	Pachycarpus concolor subsp. arenicola
Medium	Nidorella tongensis
Medium	Senecio ngoyanus
Medium	Cassipourea gummiflua var. verticillata
Medium	Oxygonum dregeanum subsp. streyi
Medium	Pavonia dregei

Disclaimer applies

Medium	Sensitive species 649
Medium	Sensitive species 191

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	CBA 1
Very High	National Protected Area Expansion Strategy (NPAES)
Very High	EN_Maputaland Wooded Grassland

Disclaimer applies

APPENDIX 15
OTHER

Address: RBIDZ Office Complex, 4 Harbour Arterial Road, Richards Bay, 3900 | www.rbidz.co.za | [redacted]
Enquiries: Simthembile Mapu : [redacted]

Mr. Bavumile Skhosana

Mabasa Energy

Per e-mail: bavumile@mefsa.co.za

To Whom It May Concern

NOTICE OF RBIDZ ENVIRONMENTAL IMPACT ASSESSMENT: PROPOSED GAS PIPELINE BETWEEN PHASE 1F AND THE LNG HUB WITHIN PHASE 1D

The Richards Bay Industrial Development Zone Company SOC Ltd (RBIDZ) hereby advises Mabasa that it intends to undertake an Environmental Impact Assessment (EIA) for a proposed gas pipeline corridor extending from Phase 1F to the proposed LNG Hub situated within Phase 1D of the RBIDZ.

The purpose of the environmental authorisation process is to assess the potential environmental and social impacts associated with the construction, operation, maintenance and eventual decommissioning of the proposed pipeline and its related infrastructure. The process will also identify appropriate avoidance, mitigation and management measures and will inform the selection and refinement of the preferred route.

The anticipated scope will include route and alternatives assessment, public participation and stakeholder consultation, relevant specialist investigations; compilation of the required environmental assessment reports and Environmental Management Programme, submission to the competent authority, and management of authority comments through to a decision on environmental authorisation. The final statutory pathway, specialist study requirements and programme will be confirmed by the appointed independent Environmental Assessment Practitioner after screening the proposed development against the applicable listed activities and site sensitivities.

At this stage, RBIDZ anticipates the following high-level programme. The dates are indicative and may be adjusted to accommodate authority requirements, seasonal specialist surveys, stakeholder inputs, route changes or requests for further information.

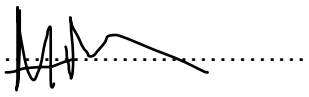
Directors: Adv B.A. Mbili (Chairperson), T.B. Hlongwa, P.S Mangole, E.F. Mbatha, S.W. Mchunu, S. Mdlalose, M.T.B. Ndlovu, Cllr X. Ngwezi, G.S Skosana, C.P. Vilakazi, T.W Zulu (Chief Executive Officer), S. Mvelase (Chief Financial Officer)

Richards Bay Industrial Development Zone Company SOC Ltd
Reg No. 2002/009856/30; Vat Registration Number: 4530249970

Indicative period	Activity	Key output
Months 0-2	Procurement/appointment, screening, route confirmation and pre-application engagement	Confirmed EIA pathway and study plan
Months 2-5	Baseline work, specialist studies and preparation of application and assessment documentation	Draft reports and stakeholder material
Months 4-7	Public participation and stakeholder consultation, including comment periods	Issues and responses record
Months 6-9	Finalisation and submission of the relevant environmental assessment report and EMPr	Application package submitted
Months 9-14	Authority review, responses to information requests and decision process	Environmental authorisation decision

RBIDZ will include Mabasa in stakeholder engagement where its land, operations, access arrangements, existing services or other interests may be affected. As the route is refined, RBIDZ will consult Mabasa and share relevant technical and environmental information at appropriate stages of the statutory process.

Kind Regards



Mr. Makana Mandiwana

Acting Executive Manager- Business Development & Support

14/09/2026