NATIONAL ENERGY REGULATOR OF SOUTH AFRICA

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

Please return completed form to the email address below:

GxLicenseApplications@nersa.org.za

Applications that are not sent to this email address will not be accepted by NERSA.

SECTION A PARTICULARS OF APPLICANT

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

Oasis Ararat (RF) (Pty) Ltd
Registration Number : 2024/020053/07

Note that the current Project Company name is registered as "Grumium Energy (Pty) Ltd" which is currently in the process of being renamed to "Oasis Ararat (RF) (Pty) Ltd".

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

Physical address

49 14TH STREET
MENLO PARK
PRETORIA
GAUTENG
0081

Note that the Project Company's physical address is currently in the process of being changed to 3 Lower Road, Green Park Corner, Johannesburg, 2194.

Postal address

P O BOX 36588
MENLO PARK
PRETORIA
GAUTENG
0102

Note that the Project Company's postal address is currently in the process of being changed to P.O Box 651468, Benmore, Johannesburg, 2010.

A3 Telephone number of applicant

(+27) 11 784 3914

A4 Fax number of applicant

Not applicable

A5 Email address of applicant

william.meignan@edf.fr

A6 Contact person

First name **William**

Surname **Meignan**

Telephone No **+27 11 784 3914**

Mobile No **+27 71 685 2472**

Fax No. **Not Applicable**

Email address william.meignan@edf.fr

A7 Legal form of applicant

Applicant: Company "Grumium Energy (Pty) Ltd" which is currently in the process of being renamed to "Oasis Ararat (RF) (Pty) Ltd".

Company registration number: 2024/020053/07

Project Shareholding: The shareholding in the Project Company will be held as follows at Financial Close:

The shareholding structure at Financial Close will be as follows:

- **49 % by EDF International SAS (EDFI), which is fully owned by Électricité De France S.A. (EDF) which is the holding company of the EDF Group;**
- **45 % by GIBB CREDE BESS RW2 Proprietary Limited, (Gibb Crede);**
- **6% by the Oasis Ararat Community Trust.**

The Community Trust is in process of being incorporated and the shareholding by the Consortium is in the process of being implemented in the Project Company, as bid award by the DMRE occurred on 23 December 2024. The proposed shareholding and project structure are set out in Figure 1 and a summary each shareholder is provided thereafter.

The ring-fenced Project Company will be a special purpose vehicle (SPV) and will effectively be 50% South African-owned and 41% Black-owned. The Project SPV will be fully funded by EDF and Gibb-Crede, each of which contributing on a pro-rata basis to the Local Community Trust's equity portion. The Project SPV will then provide a loan to the Local Community Trust and these funds will be re-injected into the Project SPV as the Local Community Trust's equity contribution. The Local Community Trust will then repay this loan from the SPV through the cash flows distributed to it.

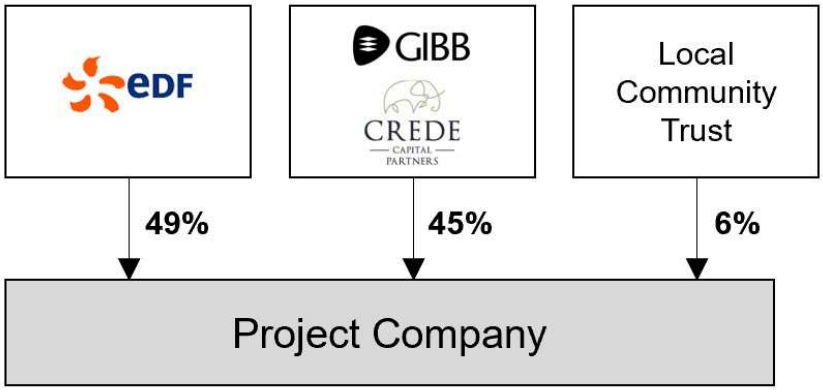


Figure 1. Shareholding of the Project

EDF

EDF is the lead member representing the Battery Energy Storage System (BESS) project. EDF is an experienced global energy developer and investor. As a French State-owned integrated energy operator, EDF provides power generation, transmission, distribution, trading, and energy services, including energy storage services. With 123GW installed capacity in 2022, EDF leads in low-carbon energy with nuclear and renewables. Serving 39.8 million customers (30.3M in France), its 2022 consolidated sales were €143.5B. EDF, through subsidiaries, has 1GW+ of BESS projects either operational, under construction, or awarded, globally. EDF Renewables (EDFR), the renewable energy subsidiary of EDF SA, holds 886MW under the South African REIPP Procurement Programme (REIPPPP as listed in Table 1 below).

Project	Technology	Size (MW)	Location
Grassridge Wind Farm	Wind	61.5	Eastern Cape
Chaba Wind Farm	Wind	21	Eastern Cape
Waainek Wind Farm	Wind	24.6	Eastern Cape
Wesley-Ciskei Wind Farm	Wind	34.5	Eastern Cape
Phezukomoya Wind Farm	Wind	140	Eastern Cape
San kraal Wind Farm	Wind	140	Eastern Cape
Coleskop Wind Farm	Wind	140	Eastern Cape
Umoyilanga Hybrid Project	Hybrid (Wind, Solar and BESS)	290	Eastern Cape and Northern Cape

Table 1. Project from EDF in REIPPPP in South Africa

GIBB-Crede

GIBB-Crede (GIBB-Crede) is a distinguished black-owned joint venture formed by GIBB and Crede Capital Partners. With an exceptional track record in engineering and infrastructure project design and delivery, GIBB is widely recognized as one of South Africa's leading multidisciplinary companies, with a legacy spanning over 65 years. Crede Capital Partners is a renowned investment firm and financial services provider, backed by a team of seasoned professionals with extensive expertise in project development, financing, structuring, and acquisitions within the renewable energy sector in both South Africa and Sub-Saharan Africa. GIBB-Crede, in collaboration with EDFR has three wind energy projects (420 MW), currently under construction as detailed in Table 2 below.

Project	Technology	Size (MW	Location
Colekop Wind Energy Facility	Wind	140MW	Northern & Eastern Cape Province
Phezukumoya Wind Energy Facility	Wind	140MW	Northern & Eastern Cape Province
San Kraal Wind Energy Facility	Wind	140MW	Northern & Eastern Cape Province
Ingula Pumped Storage Scheme	Hydropower	1332MW	Free State & KZN
SlimSun Solar Farm	Solar	5MW	Western Cape

Table 2. Project from GIBB-Crede in REIPPPP in South Africa

Note to Section A

1) State whether the applicant is a local government body, a juristic person established in terms of an act of parliament, a department of state, a company or other legal body.

2) If the applicant is a local government body, attach a copy of the proclamation establishing such body. Where the applicant is a company, the full names of the current directors and the company registration number are required.

3) Also provide shareholding information of the company.

SECTION B COMMENCEMENT DATE OF LICENCE

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

May 2027 (i.e. the estimated Commercial Operations Date; subject to the Commercial Close (i.e. signature of the contract) date to be confirmed by the Independent Power Producer's ("IPP") Office.

Note to Section B

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

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

SECTION C PARTICULARS OF PROPOSED GENERATION STATION

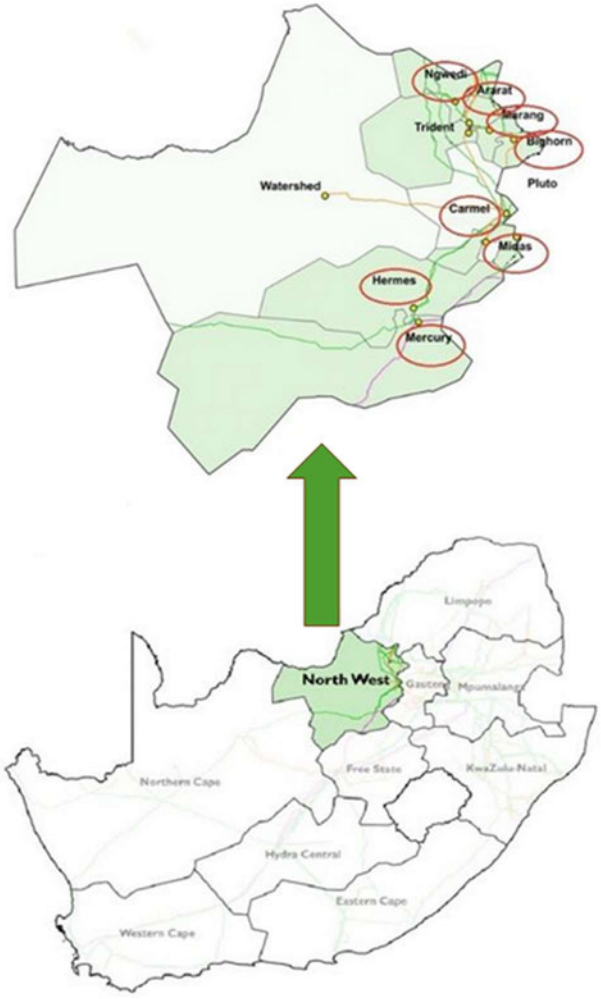
C1 Name of generation station

Oasis Ararat

Note that this facility does not generate power but functions as a battery energy storage facility, also known as a Battery Energy Storage System (BESS). The project will utilise lithium-ion batteries that are charged with power from the national electrical grid, under Eskom's instructions.

C2 Geographical location of generation station (please attach maps) and GPS coordinates (x^0xx'xxx" S, y^0yy'yyy" E)

25°33'23.29"S 27°08'10.61"E



Figures 2. Site location

C3 Address of generation station

The site for the Oasis Ararat project is located 6.3km west of Eskom's Ararat Tx in the north-east part of North West province, as shown in Figures 2 above.

The site extends on the portion 81 of Farm BOEKENHOUTFONTEIN 260 JQ.

The site is located within the Rustenburg Local Municipality and Bojanala Platinum District Municipality.

C4 Contact person at generation station

First name and Surname	**William Meignan**
Telephone No	**+27 11 784 3914**
Mobile No	**+27 71 685 2472**
Fax No	**Not Applicable**
Email address	william.meignan@edf.fr

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

Battery Energy Storage System (BESS)

The project is a battery energy storage system (BESS) which is charged with electrical energy from the national electrical grid, under Eskom's instructions. As per the DMRE's requirements, the Facility shall be allowed to draw Energy Input from the System for the purposes of storage of energy. The Facility shall be designed to ensure that the System Operator has full remote control of the Facility and sole discretion to Dispatch the charging and discharging of Energy within the Capacity of the Facility. The Facility is designed primarily for the provision of Capacity and Ancillary Services and must also be capable of operating continuously at Contracted Capacity with network frequency and voltage deviations specified in the Battery Energy Storage Facilities Code ("BESF Code") for a minimum duration of 4 hours for each cycle.

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

Construction period : 21 months

Estimated Commercial Operations Date is May 2027 (subject to the Commercial Close (i.e. signature of the contract) date to be confirmed by the IPP Office

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

Existing Capacity (Nameplate rating)

Not applicable, project is to be built, greenfield development.

Planned Capacity (nameplate rating)

Storage Discharging Capacity/Contracted Capacity:77 MW_{ac} / 308 MWh
Nameplate/ Installed Storage Capacity: [redacted]

C8 Maximum generation capacity (MW) expected to be available from the generation station and energy to be produced (MWh) over the next 5years of operation. These estimates should be based on modelling of how the power station will fit into the demand profile of its customers, taking into account the least cost energy purchase consideration and demand management options of customers. The total annual energy produced for the life span of the project will also be included in full in the excel financial model.

Note that this is a grid-connected battery energy storage system, it is not a power generation facility, therefore the data reported below applies to the energy storage capacity.

Note that the usage in terms of charging MWh and auxiliary consumption MWh from the grid is dependent on Eskom, final designs and tendering.

YEAR	Max MW	Charging MWh from the grid	Own use MW	Export (Sales) MWh
1	77	[redacted]	[redacted]	308
2	77	[redacted]	[redacted]	308
3	77	[redacted]	[redacted]	308

4	77	[redacted]	[redacted]	308
5	77	[redacted]	[redacted]	308

Table 3. Generation station information

C9 State and explain the availability factor and round-trip efficiency (for energy storage systems only).

The availability factor, sometimes referred to as the capacity factor, is a measure of the reliability and utilization of a power generation or storage system, including batteries. It represents the ratio of the actual output or energy delivered by the system over a specific period to the maximum possible output if the system operated at full capacity during the entire period.

For batteries, the availability factor indicates how often the battery is able to deliver its stored energy when needed. It takes into account factors such as charging and discharging efficiency, downtime for maintenance, and any periods when the battery is not available to supply power.

The availability factor is greater than 95% considering all planned outage rates and forced outage rates. The availability as per the Financial Model varies per year and is above 95%, as it is dependent on the augmentation, planned and unplanned outages and is subject to detail design and tendering.

The Round-Trip Efficiency for the plant as per the PPA is in Table 1 below. This is subject to the completion of the final design and tendering with suppliers.

Year	Round Trip Efficiency (%)
0	[redacted]
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	

Table 4 – RTE of the plant

C10 Expected future life of the generation station including any planned battery augmentation.

15 years, with augmentation (addition of cells to supplement lost capacity due to battery degradation).

[redacted]

The following is indicated in Table 2 below. To note this is subject to final design and tendering with suppliers.

Project Year	Total MWh
Y0	[redacted]
Y1	
Y2	
Y3	
Y4	
Y5	
Y6	
Y7	
Y8	
Y9	
Y10	
Y11	
Y12	
Y13	
Y14	
Y15	

Table 5 – Augmentation schedule for the plant

Summary of technical details of the facility including equipment to be used, e.g. batteries, investors, transformers, charge cycles per year, hours of operation at contracted capacity etc.

Various studies have been carried out to confirm the feasibility of the Project. A copy of the Technical Feasibility Study submitted to the IPP Office as part of the bid is attached in Appendix A. A technical summary of the project is provided below.

Technical Summary of the Project:

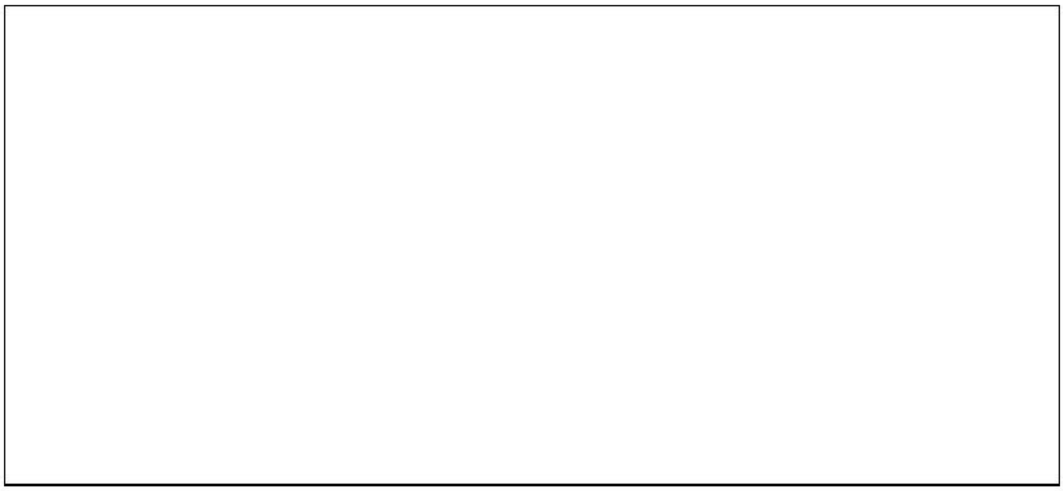
The DMRE's Battery Energy Storage Independent Power Producer Procurement Programme (BESIPPPP) aims to procure energy storage capacity in key locations in the country. Grid capacity availability is critical to securing electricity supply in the future. It impacts not only on the public procurement programmes, but also on private embedded generation initiatives. Currently there are grid constraints and hence the objective of the Programme and Project is to create storage capacity of Energy from the transmission system which can be made available to the System pursuant to Dispatch Instructions and increase the available grid capacity in the Northern Cape. The primary application as per the RFP requirements is to relieve grid congestion in the North West Province. These battery storage projects will also provide ancillary services to the transmission grid, enhance grid stability. Namely Regulating Reserve, Instantaneous Reserve, Ten Minute Reserve and Supplemental Reserve. The BESS will be charged with power from the grid, and discharged back into the grid, based on dispatch instructions from Eskom.

The Oasis Ararat BESS contracted capacity is 77 MWac / 308 MWh. [redacted]. As per RFP sets out electrochemical batteries as a qualifying technology, Lithium-ion (Li-Ion) battery technology is proposed to meet the performance requirements of the Project. Performance requirements for the project are projected RTE as per table above, Net Dependable Capacity of 77 MW at the POC, Guaranteed maximum number of cycles per year of 730, energy capacity of 308 MWh at the POC maintained for the full 15 year project life and Ancillary Services performance requirements for each of the contracted Ancillary Services Reserves as detailed in the PPA.

Globally, Li-ion batteries are a well-known and proven technology. The Project shall consist of containerized BESS units, Power Conversion Stations (PCS) units (included in BESS containers), MV transformer units, collector networks, a single auxiliary supply transformer, a plant substation, internal and access roads, an O&M building, a guard house, security fencing, lightning masts, and a fire suppression system. The BESS containers connect to a MV transformer station. This configuration is referred to as a "battery pack". The Project shall comprise of several battery packs.

[redacted]

[redacted]



In addition, a Cost Estimate Letter (CEL) has been issued by Eskom confirming that the Project can be connected to the grid at the Ararat substation. The BESS will connect into the 88 / 275 kV Ararat MTS via an 88 kV double circuit powerline of approximately 6.3 km.

The Project fulfils all the key technical criteria and requirements as per RFP including the following:

- **Designed to be controlled by the Eskom System Operator.**
- **Adherence to Eskom BESS Code and Ancillary services.**
- **Storage capacity, 4 hours of operation at Contracted Capacity.**
- **Maximum of 730 charge cycles per year (>10,000 cycles over 15 years).**
- **Minimum of 95% of planned capacity, and 70% round trip efficiency.**

Ancillary services that will be provided by the facility

These battery storage projects will also provide ancillary services to the transmission grid, enhance grid stability. Namely Regulating Reserve, Instantaneous Reserve, Ten Minute Reserve and Supplemental Reserve. The

BESS will be charged with power from the grid, and discharged back into the grid, based on dispatch instructions from Eskom.

Note to Section C

Also provide additional technical information of the project as separate attachments. This should give the technology used, technical feasibility studies e.g. radiation studies for Solar projects or wind studies for Wind projects, connection to the grid arrangements, single line diagrams of the network connection as well as single line diagrams of the generation station, etc. Also attach fuel supply/ wheeling/ connection consents/ agreements where applicable (if you are going to use someone else's network).

This information is also used as technical inputs to the financial model of the project, e.g. solar radiation studies will determine the amount of power that can be generated.

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

D1 Name of primary energy supplier/s (mining house, colliery or other fuel supplier) if applicable. For BESS, state the supplier of charging power and the agreed tariff for charging energy.

According to the Power Purchase Agreement (PPA) to be executed between the Project and the DMRE, the Facility is authorized to obtain energy from the Eskom's Ararat substation through the transmission system for energy storage. The facility will be linked to the transmission system in accordance with the Connection Agreement to be executed. Eskom is the System Operator. The battery storage facility will have the right to and capability to utilize energy from the transmission system, including energy input and for auxiliary consumption as directed by Eskom through dispatch instructions. The BESS will store energy from the transmission system and discharge it back into the transmission system.

Net Dependable Capacity (NDC): 77 MW
Capital Cost Recovery Charge rate (CCR): 373,07 R/MW/h in the first year, subject to CPI thereafter
Charging of energy from the grid will be supplied by Eskom at a rate as per the RFP base tariff for energy was stated to be R518.89/MWh.

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

The PPA will be for a duration of 15 years between the Project and Eskom. An Implementation Agreement, Direct Agreement and Connection & Use of System Agreement will also be signed. The energy supply price/ Capital Cost Recovery Charge rate (CCR) is fixed in the PPA, the Tariff for the Energy Input and Auxiliary Consumption delivered at Delivery Point, is charged as a fixed rate per MW/h, subject to CPI.

Remuneration: Capacity payment (to be quoted) = R/MW/Month

Energy Costs = Charged_energy x 460 = Discharged_energy x 460 / RTE_tested

Notes to Section D

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

A copy of the PPA and Use of System Agreement, as provided by the DMRE was provided to NERSA.

SECTION E MAINTENANCE PROGRAMMES AND DECOMMISSIONING COSTS

E1 Details of any proposed operation and maintenance programmes, including the expected cost and duration thereof, covering the lifespan of the project. Project proposals to state the expected availability, planned outage rate and forced outage rate of the plant over the life span of the project. Additional information may be provided as an attachment.

Typical BESS maintenance includes scheduled, unscheduled and preventive maintenance. These are not major maintenance programmes and will therefore not affect the contracted storage capacity of the facility.

The availability factor is greater than 95% taking into account all planned outage rates and forced outage rates.

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

The Project has made provision for the Decommissioning Costs to cover at all-times at least the nominal Decommissioning Cost. As required by the PPA contract, the Project Company shall issue a Decommissioning Cost Bank Guarantee or a combination of a Decommissioning Cost Bank Guarantee and a Rehabilitation Trust at Commercial Operation Date to ensure funds for decommissioning the facility are secured. [redacted]

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

N/A.

There are no expansion and/or modifications planned for this facility. However, since battery degrades, battery replacement will occur periodically, however this is not expansion or modification to the facility, as the contracted capacity is fixed in the PPA at 77MW/308MWh, at any given time.

SECTION F CUSTOMER PROFILE

F1 Particulars of the person or persons to whom the applicant is providing or intends to provide electricity from the generation station. Explain relationship between buyer and seller if any. Please attach the signed Power Purchase Agreement.

Eskom Holdings Limited (Registration Number: 2002/01527/30), or any company succeeding it as determined by law.

The applicant was awarded Preferred Bidder status under the BESIPP Procurement Programme (Tender No.:DMRE/016/2023/24). Under the Programme, Eskom is the designated Buyer. As such, the applicant will enter into a 15-year Power Purchase Agreement ("PPA") with Eskom for the sale and purchase of battery energy storage capacity.

F2 Network connection details (connection points, voltages, wheeling arrangement, single line diagram). Please attach connection cost estimate letters and / connection consents if not owner of the network.

The Project Company has applied for grid connection under the Eskom self-build Programme, as such the Project Company will construct the grid connection works and transfer the assets over to Eskom at COD.

In addition, a Cost Estimate Letter (CEL) has been issued by Eskom confirming that the Project can be connected to the grid at the Ararat substation. The BESS will be connected to the Eskom grid by constructing an onsite 88/33 kV substation and an 88 kV switching station, station that will be connected to Ararat MTS.

A Cost Estimate Letter (CEL) has been issued by Eskom confirming a full self-build scope; [redacted] A Budget Quoted Request has also been lodged and is in process with Eskom.

Planned voltage connection level: 88 kV

Planned connection point: Point of Connection is at the proposed Lapeng 88kV collector station which will connect at Ararat MTS 88kV busbar via 6.3km line strung with twin Bersfort 70º conductor.

The Single Line Diagram is shown in Figure 3.

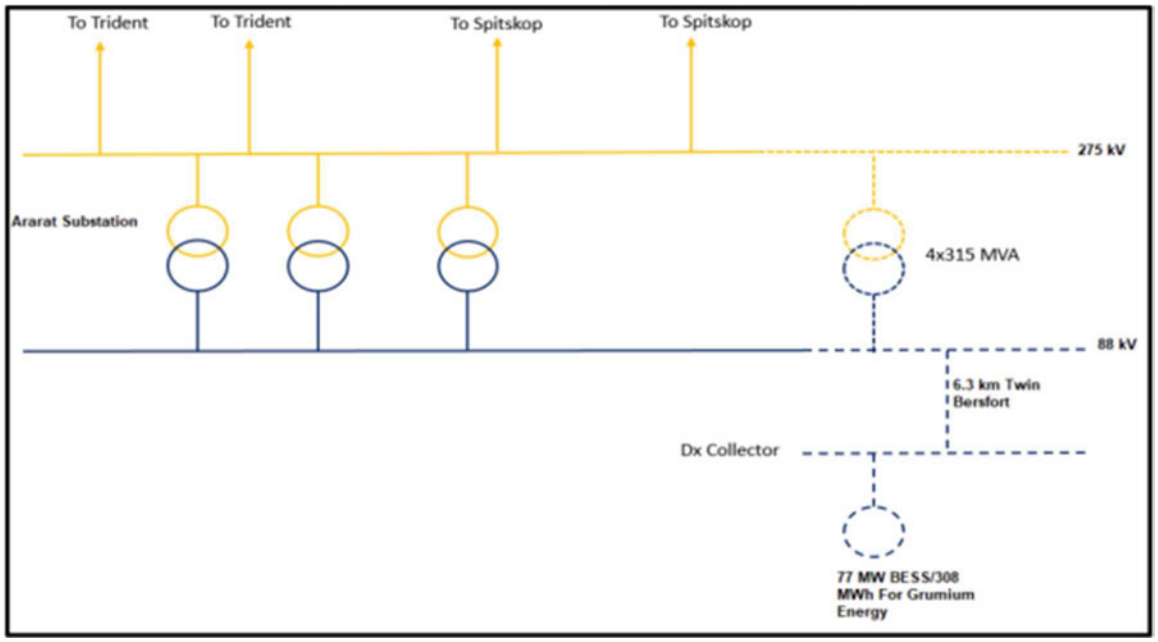


Figure 3: Single Line Diagram

F3 Provide summary details of Power Purchase Agreements with customer including PPA Term, PPA Tariff for Energy, Capacity Payments, Ancillary Payments etc. (Please attach Power Purchase Agreements and all return schedules as per the PPA).

The PPA will be for a duration of 15 years between the Project Company and Eskom.

The draft PPA was issued as part of the RFP (Tender No.:DMRE/016/2023/24). The PPA is contained in Appendix B.

The energy supply price is fixed in the PPA, the Tariff for the Energy Input and Auxiliary Consumption delivered at Delivery Point, is charged as a fixed rate per MW/h, subject to annual escalation by CPI.

The purchase price (tariff) or Capital Cost Recovery Charge Rate (CCR) in Rand per MW per hour for Contract Year n-1 approved as part of the bid award is 373.07 ZAR/MW/h at the date of the bid submission (29 August 2024).

Dispatching assumption: Battery Storage Capacity for 4 hours and 730 equivalent number of cycles per annum

SECTION G FINANCIAL INFORMATION

G1 Submit projections of and current statements of the accounts in respect of the undertaking carried on by the applicant, showing the financial state of affairs of the most recent period, together with copies of the latest audited annual accounts where such have been prepared if the project is corporate financed (as a separate attachment). If the project is new and is Project Financed, attach the financial model that show project viability (as a separate attachment, see G2 below).

The Project is held through the Project Company which is a special purpose vehicle ("SPV"), established for the sole purpose of developing, financing, building, owning and operating the Project. There are no audited annual accounts at this stage and the SPV is a dormant shelf company which will be activated prior to financial close of the Project.

G2 Whether the project is Corporate or Project financed, submit the financial model in excel format of the proposed generation facility for the lifespan of the project, showing the funding (Equity/ Debt ratios) and their cost, cost of the project, sales and revenues generated by the project, stating the assumptions underlying the figures. A separate write up must be provided to explain the financial information on the model.

The Financial Model (FM) has been submitted to NERSA.

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

The estimated annual cash flows for the lifespan of the Project are detailed in the Financial Model submitted to NERSA. [redacted]

[redacted]

G4 Give a summary of the project financing at high level on this form (not more than a page) stating who will finance the project, how is funding split between debt and equity, and what is the terms and conditions of the funding agreements (cost of debt and equity etc). In addition, also fill in table below:

The Project will be financed on a limited-recourse basis where the Project Company will be acting as borrower under the term loan facilities. The terms and conditions of the funding agreements are included in the FM [redacted]

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

Notes to Section G

7) The financial projections should be based on a production plan for the generation station and the revenue generated by participating in the electricity market and by bilateral contracts (Power Purchase Agreements) with customers. Reference to the latest version of National Integrated Resource Plan (IRP) is required to demonstrate that the proposed power purchase agreement is the least cost solution available to the electricity purchaser.

8) Evidence of compliance with the Integrated Resource Plan (IRP). If the proposed plant in not in the IRP, the applicant must obtain Ministerial approval for deviation from the IRP in accordance with Section 10(2)g of the Electricity Regulation Act, 2006 (Act No. 4 of 2006). This approval is granted by the Minister of Energy so applicant must contact the Department of Energy for this approval. The DDG: Policy would be the contact person at DoE. Sometimes the Minister gives a blanket approval, and applicants are encouraged to contact NERSA for the latest update on what is exempted.

The BESS capacity has been determined against Storage capacity allocated for 2029 in IRP 2019. The Project was procured as part of the BESIPP Procurement Programme (Tender No. :DMRE/016/2023/24) in compliance to the Integrated Resource Plan ("IRP"). A Request for Proposals ("RfP") was

issued in March 2023, following a determination made by the Minister, in consultation with NERSA, and in accordance with section 34 of the Electricity Regulation Act, provided in Schedule 2 (Determination) of Volume 1 Part 1 (Legal Notices, Approvals and Other Documents) of the RFP. The determination was gazetted on 25 September 2020 under GN. 1015 in Gazette Number 43734 (A Ministerial Determination under the IRP).

SECTION H HUMAN RESOURCES INFORMATION

H1 Submit details of the number of staff and employees and their designation (not names, e.g. three professional engineers registered with ECSA, two clerks etc) in the service of the applicant at the generation station and in any support services separate from the generation station. Also provide information regarding relevant qualifications and experience in critical areas e.g. Professional registration (Engineering Council of South Africa – ECSA), Government Certificate of Competency. This information is based on employment plan of the company and there is therefore no need to attach people's CVs since its understood that people will be hired when project is about to be operationalised.

The number of jobs to be created during construction and operation should also be clearly stated. It would also be important to state whether the jobs will be locally sourced or not, at each level, e.g. at management level, professional level, skilled level and unskilled level.

Human Resources should comply with BBEEE policy or the requirements of the Request for Proposal (RfP) documents if the project is as a result of a tendering procurement process, e.g. the DMRE Renewable Energy Independent Power Producer Procurement (REIPPP) process. The applicant should give the number of employees that will be employed during project construction, operation and maintenance.

All this information should be submitted as an attachment.

[redacted] **The Project Company will comply with the Broad Based Black Economic Empowerment ("BBBEE") policy as per the BBBEE Act, 2013 (Act No. 46 of 2013). The Project Company has also made its commitments (Economic Development ("ED") as part of the Bid response to the RFP which aligned to the BBBEE policy. The ED commitments will be binding under the Implementation Agreement.**

[redacted]

In addition, the facility will be built/constructed by contractors. The facility will be funded, owned and operated by the Project Company.

The Operation and Maintenance (O&M) of the facility will be performed by the Project company, who will act as the O&M Contractor per the RFP requirements, including subcontractors. The key O&M tasks will be subcontracted to the BESS Supplier and a BOP O&M contractor. The project company shall maintain full responsibility for the overall performance and supervision of the facility and may put in place secondments and/or service level agreements for operation and technical management functions.

SECTION I PERMISSION FROM OTHER GOVERNMENT DEPARTMENTS OR REGULATORY AUTHORITIES

I. What progress has been made to obtain the required permits and approvals for the generation project? Please provide copies of permits issued in respect of the operation of the generation station such as Environmental Authorisations, Water Use Licence, Civil Aviation Authority Approval, etc. (this is depended on technology used).

The Project Company has procured majority of the permits, licences and consents ("Permits") required to build and operate the facility. Some of the permits are in progress as the relevant authorities will only facilitate their applications post Preferred Bidder award. [redacted]

[redacted]

No.	Description	Status	Comments	Attached
1	**Land Agreements**			
1.1	Option to Lease Agreement and Draft Land Lease Agreement	[redacted]		[redacted]
1.1	Notarial Lease Agreement and registration against Title Deeds.	[redacted]	[redacted]	[redacted]
1.2	Servitude Agreement and registration against Title Deed for Grid connection.	[redacted]	[redacted]	[redacted]

No.	Description	Status	Comments	Attached
1.3	Servitude Agreement for Grid ceded to Eskom (Notarial Deeds of Cession signed and registered in the Deeds Office).	[redacted]	[redacted]	[redacted]
2	**Land Use Consents**			
2.1	Confirmation of No land claims	[redacted]	[redacted]	[redacted]
2.2	Rezoning / Spatial Planning and Land Use Management Act ("**SPLUMA**")	[redacted]	[redacted]	[redacted]
2.3	Subdivision of Agricultural Land ("**SALA**") Consent	[redacted]	[redacted]	[redacted]
2.4	Section 53 Consent terms of the MRPDA	[redacted]	[redacted]	[redacted]
2.5	Removal of restrictive conditions	N/A	[redacted]	[redacted]

No.	Description	Status	Comments	Attached
3	**Environmental Consents**			
3.1	Environmental Authorisation ("EA")	[redacted]	[redacted]	[redacted]
3.2	Update of Environmental Management Programme ("EMPr")	[redacted]	[redacted]	[redacted]
3.3	EA Amendment	[redacted]	[redacted]	[redacted]
3.4	Final Site Layout Plan and EMPr approval	[redacted]	[redacted]	[redacted]
4	**Water Availability**			
4.1	Confirmation of water allocation/ water availability	[redacted]		[redacted]
4.2	Service Level Agreements for Water Supply	[redacted]	[redacted]	[redacted]
5	**Waste Disposal**			
5.1	Confirmation of waste disposal facilities	[redacted]		[redacted]
5.2	Service Level Agreements for solid waste disposal	[redacted]	[redacted]	[redacted]

No.	Description	Status	Comments	Attached
5.3	Service Level Agreements for Waste Water Treatment / effluent treatment	[redacted]	[redacted]	[redacted]
5.4	Waste Management Licence	N/A	[redacted]	[redacted]
6	**Air Emissions**			
6.1	Atmosphere Emissions Licence	N/A		
7	**Biodiversity Consents**			
7.1	Biodiversity and Conservation Permits	[redacted]	[redacted]	[redacted]
7.2	Protected Tree Licenses under provincial law and National Forests Act	[redacted]	[redacted]	[redacted]
8	**Heritage Consents**			
8.1	Heritage Consent from the South African Heritage Resources Agency ("SAHRA").	[redacted]	[redacted]	[redacted]
9	**Agricultural Consents**			
9.1	Department of Agriculture, Forestry and Fisheries ("DAFF")	[redacted]	[redacted]	[redacted]

No.	Description	Status	Comments	Attached
9.2	Consent under the Conservation of Agricultural Resources Act 42 of 1983 ("CARA").	N/A		
10	**Access Road**			
10.1	Provincial Road no-objections from SANRAL	N/A		
10.2	Detailed Design of final access road	[redacted]	[redacted]	
10.3	Provincial Roads final access road approval	[redacted]	[redacted]	[redacted]
11	**Wayleaves**			
11.1	Eskom Wayleave (for access road crossing under any Eskom lines)	[redacted]	[redacted]	[redacted]
12	**Radars & Telecommunications Consents**			
12.1	Square Kilometre Array ("SKA") / South African Radio Astronomy Observatory("SARAO") Consent.	[redacted]	[redacted]	[redacted]
12.2	South African Weather Service (SAWS) Consent	[redacted]	[redacted]	[redacted]
12.3	Telecoms Consent – Cell C	[redacted]	[redacted]	[redacted]

No.	Description	Status	Comments	Attached
12.4	Telecoms Consent – MTN	[redacted]	[redacted]	[redacted]
12.5	Telecoms Consent – Liquid Intelligent Technologies	[redacted]	[redacted]	[redacted]
12.6	Telecoms Consent – Sentech Consent	[redacted]	[redacted]	[redacted]
12.7	Telecoms Consent – Telkom/Openserve Consent	[redacted]	[redacted]	[redacted]
12.8	Telecoms Consent - Altech Netstar	[redacted]	[redacted]	[redacted]
12.9	Telecoms Consent - Altron Nexus	[redacted]	[redacted]	[redacted]
12.10	Telecoms Consent - ESKOM	[redacted]	[redacted]	[redacted]
12.11	Telecoms Consent - Herotel	[redacted]	[redacted]	[redacted]
12.12	Telecoms Consent – Vodacom	[redacted]	[redacted]	[redacted]
12.13	Telecoms Consent - Transnet	[redacted]	[redacted]	[redacted]

No.	Description	Status	Comments	Attached
12.14	Civil Aviation Authority ("CAA") Approval	[redacted]	[redacted]	[redacted]
12.15	Telecoms Consent - SAPS	[redacted]	[redacted]	[redacted]
12.16	South African National Defence Force ("SANDF")	[redacted]	[redacted]	[redacted]
13	**Construction Permit(s)**			
13.1	Building Permit Approval by the Local Municipality	[redacted]	[redacted]	[redacted]
14	**Grid Connection**			
14.1	Eskom Cost Estimate Letter ("CEL")	[redacted]		[redacted]
14.2	Budget Quotation and Connection Agreement	[redacted]	[redacted]	[redacted]
15	**Transport Permit(s)**			
15.1	Abnormal Load Transport Permit.	[redacted]	[redacted]	[redacted]

No.	Description	Status	Comments	Attached
16	**Corporate Governance**			
16.1	Special Purpose Vehicle ("SPV") -Name Change and update of address and directions.	[redacted]	[redacted]	[redacted]
16.2	SPV – Memorandum of Incorporation ("MOI") Amendment	[redacted]	[redacted]	[redacted]

SECTION J BROAD-BASED BLACK ECONOMIC EMPOWERMENT

J1 Please provide information in terms of the following categories:

COMPONENTS	POINTS	0.5	0.75	1
Direct Empowerment	Black Ownership	10% to <20%	**20% to 50%**	>50%
	Black Management	20% to <35%	**35% to 50%**	>50%
	Black Female Management	1% to <5%	5% to 10%	**>10%**
Human Resource Development	Black Skilled Personnel as % of payroll	20% to <35%	35% to 50%	>50%
	Skills Development Programs as % of payroll	1% to <5%	5% to 10%	>10%
	Employment Equity i.e. Women Representation	20% to <35%	35% to 50%	>50%
Indirect Empowerment	Procurement from Black/BEE Suppliers	**20% to <35%**	35% to 50%	>50%
	Enterprise Development i.e. Monetary Investment or quantifiable non-monetary support in SMME with BEE contributions as % of Net Asset Value/ EBITDA/Total Procurement	10% to <20%	20% to 25%	>25 %
	Industry specific initiatives to facilitate the inclusion of black people in the sector as % of net profit	1% to <5%	5% to 10%	>10%
NERSA's Discretionary Points	Based on skills transfer and fulfilment or acceleration of other national objectives e.g. employment of disabled personnel robust implementation of mechanisms to verify the BEE status of suppliers reported under preferential procurement and utilization of DTI approved accreditation agencies and so on.	1% to <5%	5% to 10%	>10%

SECTION K ECONOMIC INFORMATION

Please state the economic benefits of the project to the local community and to South Africa as a whole. If there are Economic Development Commitments made, they must be stated here or be provided as attachments if the files are big, but in such cases, there should be a brief summary.

The Project's main goal is to sell cost effective, dispatchable energy and ancillary services employing high-performance Lithium-Ion batteries. By doing so, it aims to contribute to addressing the power shortages and grid constraints in South Africa. Additionally, the project has the potential to make significant positive contributions to economic development, benefiting both the people of South Africa and local communities. Through its innovative approach, technical excellence and commitment to the South African market and economy, the Oasis Ararat Project holds immense potential in providing reliable grid-scale energy storage services while fostering economic growth in the region. In terms of the bid submission, the bidder had made commitments to economic development including the following:

- **The Bidder will develop a Battery Energy Storage System ("BESS") facility in Rustenburg Local Municipality and Bojanala District Municipality in the North West Province of South Africa.**

- **6 % of the Shareholding in the project Company shall be committed to the Local Communities who reside within the area of jurisdiction of the district municipality in which the Project is located.**

- **The Project Company will be 41% Black owned.**

- **Even though stand-alone storage systems are not as labour-intensive compared to power generation projects the Bidder endeavours to create as many jobs are realistically possible.** [redacted]

- [redacted]

- **Local Content: Due to limited local production of storage technologies, the project will rely on importation of key storage technology components. However, there will be contributions towards local content, procured mainly from South African Balance of Plant contractors. This typically involves scopes of work pertaining to:**
  - **Civils Balance of Plant as a whole;**
  - **Electrical Balance of Plant which incorporates scopes of work in relation to the step-up substation and auxiliary transformers;**
  - **Mechanical balance of plant which incorporates scopes of work in relation to unloading and positioning of the key equipment and the backup high voltage requirements; and**
  - **Soft costs (pertaining to engineering, surveys and constructing the site camp) and costs associated with the management of the asset.**

[redacted]

[redacted]

Economic Development Element	Weighting	Points
Job Creation	15% (fifteen percent)	1.5 (one point five)
Local Content	15% (fifteen percent)	1.5 (one point five)
Ownership	25% (twenty five percent)	2.5 (two point five)
Management Control	10% (ten percent)	1.0 (one point zero)
Skills Development	10% (ten percent)	1.0 (one point zero)
Enterprise and Supplier Development	20% (twenty percent)	2.0 (two point zero)
Socio-Economic Development	5% (five percent)	0.5 (zero point five)
Total	100% (one hundred percent)	10 (ten)

Job creation – Also attach full return schedules on Job creation separately)

Job creation	(person-months[1])
During construction	[redacted]
During operation	[redacted]

[1] I job = 12 persons month, which means 12 people employed for one month, or 1 person employed for 12 months

SECTION L ADDITIONAL INFORMATION

Provide any other relevant information related to this application

_____
_____
_____
_____
_____
_____

SECTION L DECLARATION

On behalf of the applicant, I hereby declare that:

(a) the applicant shall at all times comply in every respect with the conditions attached to any licence that may be granted to the applicant;

(b) the applicant shall at all times comply with lawful directions of the National Energy Regulator of South Africa;

(c) the information provided by me on behalf of the applicant is accurate and complete in all respects; and

(d) I am authorised to make this declaration on behalf of the applicant.

Signed:

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

Laurent Clement	n/a

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

Vice-President Africa	EDF International

Date:

13 January 2025