



REQUEST FOR INFORMATION REGARDING NEW GENERATION CAPACITY PLANNED OR SOUGHT FOR THE WESTERN CAPE FOR THE PURPOSES OF THE DESIGN OF ONE OR MORE MUNICIPAL ENERGY RESILIENCE PROCUREMENT PROGRAMMES

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Appendix:

Online submission form leading to Private Developer projects or Municipal projects

1. Disclaimer

While all reasonable care has been taken in preparing this RFI, the information has been prepared by the Department of Economic Development and Tourism of the provincial government of the Western Cape Province (a province within the Republic of South Africa) ("**DEDAT**") in good faith, based on information obtained from various sources. However, neither DEDAT nor any of its advisors accept any liability or responsibility for the adequacy, accuracy, or completeness of any of the information or opinions stated herein.

Save where expressly stipulated otherwise, no representation or warranty (whether express or implied) is, or will be given, by DEDAT or any of its officers, employees, agents, advisors, or any other person with respect to the information or opinions contained in this RFI, or in relation to this RFI and/or design of the MER Programme, and/or design of any MER Power Purchase Programme, if launched in due course.

DEDAT reserves the right to amend, modify or withdraw this RFI, or any part of it, or to terminate or amend any of the procedures, processes or requirements detailed in this RFI at any time, without prior notice and without liability to compensate or reimburse any person pursuant to such amendment, modification, withdrawal or termination.

DEDAT reserves the right to terminate or amend the design of the MER Programme or any potential procurement/purchase of individual MER project(s) or the design of a potential MER Power Purchase Programme, if any, is launched in due course, at any time, without prior notice and without liability to compensate or reimburse any person pursuant to such termination or amendment.

The terms and conditions set out in this RFI are stipulated for the express benefit of DEDAT and, save as expressly stated to the contrary, may be waived at DEDAT's sole discretion at any time. DEDAT reserves the right to use any submission or suggestion made by any person responding to this RFI at any time and to include such submission or suggestion in any documents which may, or may not, be made available at any stage in the design the MER Programme or design of any MER Power Purchase Programme, without the obligation or liability to pay any compensation or reimbursement of any nature to any person pursuant to such adoption.

This RFI is provided solely for the purpose set out herein, and is not intended to form any part or basis of any investment decisions by any Respondent, its shareholders, members or its lenders. Each person that accesses this RFI must make its own independent assessment of

any Energy Project in respect of which it intends submitting a RFI Response, taking such advice (whether professional or otherwise) as it deems necessary.

No Respondent, its directors, shareholders, employees, members, contractors, suppliers or lenders shall have any claim against DEDAT, its officers, employees, servants, agents or advisors, under any circumstances whatsoever, arising out of (i) any matter relating to the design of the MER Programme; (ii) any procurement/ purchase of individual MER project(s) by a Municipality; (iii) the design of any MER Power Purchase Programme if launched in due course; or (iv) this RFI, of any nature whatsoever, including where such claim is based on any act or omission by DEDAT, or any of its officers, employees, servants, agents or advisors of any nature whatsoever, or where such claim is based on the content of, or any omission from, this RFI of any nature whatsoever.

All personal information provided to DEDAT in relation to this RFI will be treated in accordance with the provisions of the Promotion of Access to Information Act 2 of 2000 and other applicable laws. Information provided (including personal information) will only be accessed by authorised officials in the DEDAT, and our advisors, for purposes of analysis. Where necessary, suitably anonymised information will be shared with the MER Steering Committee and the candidate municipalities participating in this project.

2. Definitions and Interpretation

Defined Term	Meaning
Amended B-BBEE Codes of Good Practice	the amended B-BBEE Codes of Good Practice issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act, 53 of 2003;
B-BBEE	broad-based black economic empowerment;
B-BBEE Status Level	the B-BBEE level of any entity which is based on the overall performance of that entity, in respect of B-BBEE measured in terms of any applicable sector code and or the Amended B-BBEE Codes of Good Practice;
Black Person	is a generic term that means African, Coloured, Indian or Chinese South African citizens, provided that such person who obtained South African citizenship (i) before 27 April 1994, or (ii) on or after 27 April 1994 and would have been entitled to acquire South African citizenship by naturalisation prior to that date, “Black People”, “Black Persons” and “Black Citizens” shall have a corresponding meaning;
Black Women	Black Persons of the female gender and “Black Woman” shall have a corresponding meaning;
Candidate Municipality	a municipality, in the Western Cape, assessed and selected using the municipal readiness evaluation tool, developed as part of the MER Programme, to differentiate between municipalities and select those municipalities, based on the assessment tool, that are most likely to successfully and efficiently implement pioneering projects and contribute to the achievement of the objectives of the MER Programme;
City of Cape Town	the City of Cape Town Metropolitan Municipality;
Citizens	people who have obtained South African citizenship by birth, decent or naturalisation in terms of the South African Citizenship Act. 88 of 1995;
COD	commercial operation date, being the date after which all testing and commissioning of an electricity generation facility has been completed and is available for commercial operation;
Dispatch Profile	the average daily dispatch profile throughout the year based on hourly expected dispatch to calculate daily and annual production/ dispatch of energy;

Defined Term	Meaning
Distributor	is a duly licensed entity which distributes electricity;
Distributed Generation	an Energy Project of greater than 1 megawatt connected to the Distribution System;
Distribution System	a distribution network of a Distributor which operates at a nominal voltage of 132 kV or less, as described in any code in respect of electricity distribution published by NERSA from time to time, as that system may be refurbished, modified, extended or developed from time to time during the term of the PPA;
Economic Development	is a collective term for the following elements: <ul style="list-style-type: none"> a) Ownership; b) Local Content; c) Procurement and Subcontracting; d) Job Creation and Local Employment; e) Management Control and Employment Equity; f) Skills Development; and g) Socio-Economic Development;
Embedded Generation	an Energy Project connecting to a Distribution System;
Employee	a person engaged on the project, whether seconded to or employed directly in relation to such project activities and “Employment” and or “Employed” shall have a corresponding meaning;
Employment Equity	employment equity as contemplated in the Employment Equity Act. 55 of 1998;
Energy Project	a project for the development of new generation capacity and/ or and storage of energy, generated from the following sources or technologies: <ul style="list-style-type: none"> • Solar photovoltaic; • Onshore wind; • Biomass; • Biogas; • Landfill gas; • Municipal solid waste; • Small hydropower; and • Battery energy storage systems;

Defined Term	Meaning
EPC	the engineering, procurement and construction contractor appointed to undertake the engineering, procurement and construction works for a project;
Hybrid System	the combination of multiple generation and/or energy storage systems into a single system;
Imported Content	that portion of the price or component price represented by the cost of imported components and the cost of parts or materials which have been, or are still to be imported;
IPP	an independent power producer, being any Project Company that enters into a PPA to sell electricity generated by it or on its behalf, to the Power Buyer in terms of a PPA;
Job	1 Person employed for 12 months;
Job Creation	the creation of sustainable Jobs to assist members of the local population in securing sustainable employment. It should be noted that this would include both temporary and permanent employment opportunities that are created directly from a project;
LCOE	levelised cost of electricity, being a summary measure that represents the per-kilowatt hour cost of building and operating a generation plant over an assumed financial life. It is intended to be used as a financial tool in comparing the costs of electricity generators;
Local Community	the residents of the Municipality in which the Energy Project is located;
Local Content	the portion of the price or component price that is not included in the Imported Content, provided that local manufacturing takes place;
Local Jobs	jobs created for, or to be held by Citizens from the project-related activities;
Management Control	the effective control of the management of the project by Black People and Black Women;
MER Programme	the municipal energy resilience programme, an initiative of the Department of Economic Development and Tourism in the Western Cape Provincial Government, a programme to provide support and capacity building towards the implementation of Energy Projects in municipalities, for municipalities, businesses and households to generate and/ or procure their own power;

Defined Term	Meaning
MER Power Purchase Programme	one or more procurement programmes which the Western Cape Provincial Government is contemplating to procure renewable energy in order to meet the energy resilience strategic objectives of the Western Cape Provincial Government;
MFMA	the Municipal Finance Management Act 56 of 2003;
NERSA	the National Energy Regulator of South Africa;
Network Owner	any legal entity responsible for distributing electricity through a Distribution System or the Transmission System;
New Generation Capacity	has the same meaning as set out in section 1 of the Electricity Regulations on New Generation Capacity published in terms of the Electricity Regulation Act (No. 4 of 2006) in Government Notice R399 in <i>Government Gazette</i> 34262 of 4 May 2011, as amended;
New Generation Capacity Regulations	the Electricity Regulations on New Generation Capacity published in terms of the Electricity Regulation Act (No. 4 of 2006) in Government Notice R399 in <i>Government Gazette</i> 34262 of 4 May 2011, as amended;
Power Buyer	the legal entity that enters into a PPA to purchase electricity generated from a Power Seller;
Power Seller	any Project Company that enters into a PPA to sell electricity generated by it or on its behalf, to the Power Buyer in terms of a PPA entered into pursuant to any MER Power Purchase Programme, individual project procured by a Municipality or private company;
Project Company	a special purpose company that a Respondent proposes using as the vehicle to undertake an Energy Project, that is the subject matter of this RFI;
PPA	the power purchase agreement entered into between the Power Buyer and the Power Seller;
Procurement and Subcontracting	the extent to which a Respondent procures or subcontracts for goods and services from local suppliers which are SMMEs or B-BBEE Companies;
Respondent	any person, entity or consortium that submits a RFI Response to this RFI, including but not limited to (i) municipalities in the Western Cape province developing or considering to develop or procure New Generation

Defined Term	Meaning
	<p>Capacity from IPPs within their municipal boundaries or wheeled from outside the municipality; and</p> <p>(ii) potential developers of Energy Projects, located within borders of the Western Cape province and/ or located outside the borders of the province and wheeled into the province to Distributors and/ or municipalities of the province,</p> <p>that will further the objects of the MER Programme;</p>
Response Form	<p>the online template forms in the appendix to this RFI which is to be accessed on the</p> <p>https://www.westerncape.gov.za/110green/energy/mer-projects-rfi;</p>
RFI	<p>this request for information document which provides background information in respect of the MER Programme and possible MER Power Purchase Programme/s, inviting Respondents to submit the requested information;</p>
RFI Response	<p>the completed Response Form, together with the LCOE Excel Template, used to calculate the LCOE;</p>
Skills Development	<p>skills development initiatives set out in the learning matrix of the Amended B-BBEE Codes of Good Practice;</p>
Socio-Economic Development	<p>the initiatives carried out towards the promotion of access to the economy by previously disadvantaged individuals;</p>
Small-Scale Embedded Generation	<p>an Energy Project of less than 1 Megawatt which is embedded in the Distribution System of a municipality;</p>
Transmission System	<p>the national transmission system consisting of all lines and substation equipment which operate at a nominal voltage of above 132 kilovolts, as that system may be refurbished, modified, extended or developed from time to time during the term of the PPA;</p>
Utility Scale Generation	<p>an Energy Project of greater than 10 megawatts;</p>
Western Cape Provincial Government	<p>the provincial government of the Western Cape Province acting through its Department of Economic Development and Tourism;</p>
Wheeling	<p>the means of conveying electricity from the point of generation to a point of consumption through a third parties' electricity network.</p>

3. Background

- 3.1 The ongoing load shedding and the resulting negative economic impact, as well as a recognition of the need to move towards a lower carbon footprint for the electricity generation has led the Western Cape Provincial Government, in its Provincial Strategic Plan to prioritise the need for energy resource resilience and investment through promotion of “catalytic infrastructure”.
- 3.2 The Western Cape Provincial Government: Provincial Strategic Plan for the period 2019-2024 contains five vision inspired priorities (“VIPs”). One of these VIPs relate to growth and jobs which in turn consists of a number of focus areas that include:
- 3.2.1 increasing investment in terms of which the Western Cape aspires to be a leading location for investment in Africa, through attracting investment in “catalytic infrastructure” and “securing energy supply” within the Western Cape province, this focus area will be underpinned by “resource resilience”; and
- 3.2.2 creating an enabling environment for economic growth through resource resilience in terms of which the Western Cape Provincial Government will look to mitigate the challenges and impacts of climate change through use of “*emission abatement and mitigation technologies*” and to establishing an “*energy-secure province*” through “*diversification of the regional energy mix*”.
- 3.3 The above focus areas are given further impetus in the DEDAT’s Strategic Plan 2020-2025 which sets out its energy-related long-term strategic outcome to improve energy resilience with a target of an additional nominal capacity of 500 MW of lower carbon electricity implemented in the Western Cape province within 5 years.
- 3.4 In its journey towards energy resilience, in November 2020, the Western Cape Provincial Government officially launched the MER Programme with the following objective:
- “Development, support and capacity building to implement renewable energy projects in municipalities across the province for municipalities, businesses and households to generate, procure and sell own power including, but not limited to, municipalities transacting directly with IPPs (Independent Power Producers), all aimed at increasing energy and economic resilience.”*
- 3.5 Besides the energy resilience objective, the MER Programme also seeks to take advantage of the ongoing developments in the municipal energy procurement space

which among others is set out in the Honourable President’s 2020 State of the Nation Address, where he *inter alia* said “we are taking the following measures to rapidly and significantly increase generation capacity outside of Eskom ... We will also put in place measures to enable municipalities in good financial standing to procure their own power from IPPs”.

3.6 The MER Programme will be implemented in three phases; namely:

3.6.1 Phase 1: preparation of Business cases, the identification of potential Pioneering Projects; pre-feasibility studies and roadmap for pioneering projects; The four components of the MER programme for the business cases are:

- Utility Scale generation projects from IPPs;
- Distributed Generation, sub utility scale projects;
- Small-Scale Embedded Generation projects; and
- Large Battery Energy Storage Systems.

3.6.2 Phase 2: Feasibility studies for Pioneering Projects; and the implementation of an initial pioneering projects at candidate municipalities. The pioneering projects may be individually procured/purchased and may lead to development of one or more MER Power Purchase programmes.

3.6.3 Phase 3: roll-out of MER Programme across all municipalities within the Western Cape Province. A plan for a portfolio of Energy Projects across Western Cape and or MER Power Purchase Programme/s for all municipalities within the Western Cape province.

3.7 The renewable energy sources or technologies (that are being considered for procurement under the contemplated MER Power Purchase Programme/s) are:

3.7.1 Solar photovoltaic;

3.7.2 Onshore wind;

3.7.3 Biomass;

3.7.4 Biogas;

3.7.5 Landfill gas;

3.7.6 Municipal solid waste;

- 3.7.7 Small hydropower; and
- 3.7.8 Battery storage systems.
- 3.8 The focus in Phase 1 is on the Candidate Municipalities. However viable catalytic MER projects in other municipalities may be considered for:
 - 3.8.1 Drakenstein Municipality;
 - 3.8.2 Mossel Bay Municipality;
 - 3.8.3 Overstrand Municipality;
 - 3.8.4 Saldanha Bay Municipality;
 - 3.8.5 Stellenbosch Municipality; and
 - 3.8.6 Swartland Municipality.
- 3.9 The City of Cape Town shall pursue its own Energy Projects and align with MER programme projects as feasible and as appropriate.
- 3.10 In Phase 3 all willing municipalities in Western Cape, may form part of one or more MER Power Purchase Programmes that may be launched in due course.
- 3.11 The MER Programme will consider the appropriate scale for procurement of the Energy Projects that is commensurate with achieving the objectives of the MER Programme. In this regard it is anticipated that individual municipal Energy Projects or any MER Power Purchase Programme/s may distinguish between procurement of new generation capacity from different size facilities and from facilities reliant on different sources or technologies. The MER Programme is also targeting procurement of energy and/or services from storage systems either in combination with procurement of New Generation Capacity (“**Hybrid Systems**”) or as a standalone procurement.
- 3.12 It is against this background that DEDAT releases this RFI so as to obtain information about potential Energy Projects in the Western Cape province and from outside the province, that fall within any of the components of the MER Programme or any other project that would contribute to the overall objective of the MER Programme.

4. Purpose and objective of the RFI

4.1 This RFI is not the commencement of a procurement process by the Western Cape Provincial Government nor by any municipality. The purpose of this RFI is to:

4.1.1 share information with the general public, IPPs, developers and all municipalities within the Western Cape province about the MER Programme as set out above. This will allow all the interested and affected parties to learn about opportunities to contribute to energy resilience in Western Cape province and for the Western Cape Government to gather sufficient information on potential Energy Projects in Western Cape in a formal structured and comparable way without being bias towards any potential participants of the project;

4.1.2 afford the municipalities in the Western Cape a chance to share specific details of the Energy Projects that fall within any of the components of the MER Programme that the municipalities are planning, considering or will implement in the next 5 years. The Energy Projects which the municipalities in the Western Cape province will be expected to share details about include private-to-private Energy Projects which are anticipated to be wheeled through the municipal grid. In addition to providing details of all Energy Projects they are considering, municipalities are also requested to indicate their interest in participating in any MER Power Purchase Programme/s as a Power Buyer or developer of New Generation Capacity. They are also asked to indicate the approvals they currently have or are in the process of obtaining to procure or establish New Generation Capacity;

4.1.3 afford IPPs or developers a chance to share specific details of the Energy Projects that fall within any of the components of the MER Programme that IPPs are planning or considering developing in the Western Cape province in the next 5 years. IPPs and developers should indicate who the proposed off-taker is and whether they would be interested in or anticipate securing a municipal off-taker or Power Buyer. IPPs and developers should also indicate their interest to participate in any potential MER Power Purchase Programme/s and suggest any key design principles which they would like DEDAT to take into account in designing any MER Power Purchase Programme/s. IPPs and developers should also indicate details of private-to-private Energy Projects which are anticipated to be wheeled through a municipal grid; and

- 4.1.4 afford those members of the public that have Small-Scale Embedded Generation projects which may wish to sell electricity to a municipality through any potential MER Power Purchase Programme/s to share details of their projects.
- 4.2 The information received from Respondents will inform the Western Cape Provincial Government of potential Energy Projects falling within each of the four components of the MER Programme and the state of readiness of any such Energy Projects. The responses will also be used to assess if there are any changes that are required to the design of the MER Programme and assess market interest to participate in any MER Programme Purchase Programme/s, if ultimately launched.
- 4.3 As a result, the Respondents are requested to ensure that their RFI Responses are as comprehensive as possible and include the information requested in each of the Response Forms that are applicable to their Energy Project.
- 4.4 Please note that providing the RFI Response is NOT intended as a “pre-qualification” for Respondents to be invited to participate in any potential MER Power Purchase Programme/s that may be launched in the future nor any potential procurement programme undertaken by any municipality, but that all Respondents, including the municipalities in the Western Cape and IPPs or developers, are urged to respond to this RFI to ensure the success of the MER Programme and assist in achieving the objectives of this programme.

5. **Submission of RFI Responses**

- 5.1 The Western Cape Government’s Department of Economic Development and Tourism (DEDAT) calls for all potential private developers and public sector bodies (including any Western Cape municipalities), to share information on Energy Projects that may contribute to the establishment of new generation capacity in the Western Cape.
- 5.2 The responses to the RFI, must be submitted to DEDAT by not later than the 18h00 on 12 July 2021, at the following address:
<https://www.westerncape.gov.za/110green/energy/mer-projects-rfi>.
- 5.3 The RFI Responses, reaching DEDAT later than the cut-off time and date specified above may, in DEDAT’s sole discretion, be rejected without further consideration.
- 5.4 The RFI Responses may be submitted prior to the cut-off time and date specified above, however only complete responses will receive attention from DEDAT.

5.5 All costs incurred by a Respondent in connection with the preparation of its RFI Response shall be borne by the Respondent and there is no obligation thereof on the Western Cape Government.

6. Form of response

6.1 A Respondent, whether a private developer or a municipality, is requested to complete the online Response Form for each Energy Project.

6.2 Please provide all the information requested by DEDAT in this RFI through the online Response Form. Where the information is not available or not applicable, please provide a brief explanation of why this information is either not available or not applicable.

6.3 The RFI Response, documents forming part of it and any other documentation and correspondence exchanged between the Respondent and DEDAT should be in English.

7. Further Information

DEDAT reserves the right to seek additional information from one or more Respondents regarding any RFI Response, in its sole discretion. DEDAT may request any Respondent to make oral presentations for clarification purposes or to present supplementary information.

Respondents may request clarification on any item contained in this RFI not later than 7 days before the date indicated in paragraph 5.2 above.

8. Contact with DEDAT

8.1 All queries and requests for clarification in respect of this RFI must be addressed to Adrian Rudolph and emailed to Adrian.Rudolph@westerncape.gov.za.

8.2 DEDAT and its advisors will endeavour in good faith to respond to all reasonable written queries and requests for clarification raised by a Respondent.

8.3 A Respondent must give the name and contact details of the person whom it appoints to undertake all contact in respect of its RFI Response.

8.4 After the submission of its RFI Response, a Respondent may only communicate with DEDAT through such person and DEDAT shall be entitled, at its sole discretion, to

disregard any communication from the Respondent, that does not come from such contact person, and that does not go directly to Adrian Rudolph.

9. Confidentiality

- 9.1 This RFI is both confidential and proprietary to DEDAT, and DEDAT reserves the right to recall the RFI in its entirety or in part.
- 9.2 Information submitted in response to this RFI will be considered and treated by DEDAT as confidential and will not be used in any other way than to inform the development of the MER Programme. However, DEDAT will not be obliged to use any of the information, and responses to this RFI do not bind or commit DEDAT to any other obligation whatsoever.

Appendix

Online Form for a Private Developer-led Project: Private Developer to complete the following sections in the RFI Response Form

If a response is provided for more than one (1) project, Respondents must complete a separate Response Form for each project. Respondent must complete all sections of the Response Form.

1. General Information about the Respondent

Information Required
Name of Respondent:
Name, and contact details of the person appointed to undertake all contact with the MER Programme Office regarding the Project:
Contact e-mail:
Contact phone numbers:

2. Technology, Capacity, COD and Price Information

Please provide a brief overview and description of your project, including feedstock supply arrangements, electricity supply arrangements (in the case of a Battery Energy Storage System), decision points for the Project to proceed and any unusual features which the MER Programme Office should be aware of, which would not emerge clearly from your responses to this Response Form.
Does the Project include a Battery Energy Storage System as a standalone system?
If this project includes a Battery Energy Storage System, is the Battery Energy Storage System a standalone installation or co-located with a generation source?
Nameplate Capacity: Contracted Capacity: <i>(Note: Contracted Capacity is the net output at the delivery point to the grid; Capacity Factor is expected net annual generation at the delivery point to the grid as a percentage of Contracted Capacity (based upon 8760 hours in a year))</i>
Generation technology:

<p>Do you intend to dispatch generation to meet baseload, mid-merit or peaking power? <i>(Please provide details of options and preferences. Where information is either not available or not applicable, please provide the reason therefor.)</i></p>
<p>Battery storage technology:</p>
<p>Battery storage capacity:</p>
<p>Primary purpose for large scale battery installation: <i>(Please provide details. Where information is either not available or not applicable, please provide the reason therefor.)</i></p>
<p>Planned source of the electricity for charging the battery storage <i>(Please specify. Where information is either not available or not applicable, please provide the reason therefor.):</i></p>
<p>Planned Commercial Operation Date (“COD”): indicate date of Scheduled COD (e.g. Q1 2023) or months from signature of PPA (e.g. 36 months from signature of PPA):</p>
<p>Do you have an existing PPA with Eskom (or other electricity buyer, e.g. a municipality) for power generated from the same facility from which this power will be generated, or any other facility? <i>(Please provide details of location and proposed capacity. Where information is either not available or not applicable, please provide the reason therefor.)</i></p>
<p>Who is the anticipated Power Buyer?</p>
<p>Expected total project capital cost <i>(including all relevant costs such as construction of generation facility and grid connection costs, financing and development cost):</i></p>
<p>Minimum term of the PPA:</p>
<p>Expected LCOE per MWh <i>(Complete the attached LCOE Excel Template, including, but not limited production (average daily dispatch profile), costs – that will be calculated to expected LCOE per MWh):</i></p> <p>The LCOE will be Rand denominated.</p>
<p>Indicate when you would be ready to commit to a procurement process (i.e. submit a bid response, make a binding offer, or commence formal engagement etc. depending on the relevant process) assuming receipt of a bankable PPA at the commencement of such process:</p>
<p>How long will it take from signature of the PPA to COD?</p>
<p><i>COD 12 months or less from signature of a PPA.</i></p>
<p><i>COD 12 – 24 months from signature of a PPA.</i></p>

COD 24 or more months from signature of a PPA.

3. Developer, contractors, lenders and related institutional information

Developer information

Name of developer of project (if different from the Respondent):

Name of technology provider of project (if different):

Name of international partner/(s) (if any):

Indicate experience in similar projects successfully completed in South Africa and/or other jurisdictions of the various participants:

Institutional Structure

Have the following participants been identified:

- equity participants
- EPC contractor
- supplier of equipment
- long-term operator of the project

Special purpose vehicle (SPV) / joint venture (JV) shareholders agreement signed?

If the structure is still in concept, have the potential partners signed a memorandum of understanding, cooperation agreement or similar agreement?

EPC/ primary equipment supplier

Interaction with the EPC/ primary equipment supplier of the key components – please indicate readiness to contract for the provision of equipment and commencement of construction:

- Do you have an EPC/ primary equipment supplier?
- Has a technical specification been drafted and made ready for distribution to potential suppliers?
- Do you have a term sheet agreed with the EPC/ primary equipment supplier?
- If yes, do you have a price and timeframe for delivery?
- Do you have an EPC/ primary equipment supply agreement signed?

Indicate how long it will take to settle all relevant details and enter into the relevant contract/s after being provided with a bankable PPA:

Feedstock supply agreements (e.g. biogas, biomass, landfill gas, municipal solid waste)

Interaction with the feedstock supplier (if not the project developer itself) – please indicate readiness to contract for the provision of feedstock:

- Do you have a feedstock supplier?
- Do you have a term sheet agreed?
- Do you have a firm price and timeframe for delivery? *(Please specify first delivery date.)*
- Do you have a feedstock supply agreement signed? *(Please specify first delivery date.)*
- Please specify the proposed transportation/ logistical arrangements *(Where information is either not available or not applicable, please provide the reason therefor.)*

Indicate how long it will take to settle all relevant details and enter into the relevant contract/s after being provided with a bankable PPA:

Funding information

Will the Project be corporate financed or project financed?

Name of Lenders (if any):

Current level of commitment from Lenders:

- Has the mandate with an arranging bank been agreed?
- Has the debt term sheet been developed?
- Has the debt term sheet been agreed?
- Has the commitment been fully underwritten?

Indicate how long it will take to settle all relevant details and enter into the relevant contracts after being provided with a bankable PPA:

Readiness of Data

Has the Feasibility Study been completed?	Finalised	Draft
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Do you have a financial model?	Yes	No
Have all resource/ hydrology studies been completed or are additional studies likely to be required by any Lenders? <i>(Please provide a detailed response. Where information is either not available or not applicable, please provide the reason therefor.)</i>		

4. Information on Site, Data, Authorisations, Grid Connection and other technical matters

Site location and use
Indicate site location (nearest town, province or region, country):
Is the Project located within a Renewable Energy Development Zone?
GPS coordinates of site:
Provide the estimated land requirements for the Project (or if a rooftop installation, the area of the roof coverage):
Has the use of the site for the project been secured? <i>(Please provide details on the nature of rights secured (ownership/ rental etc) or to be secured and indicate a timeframe for completion of this. Where information is either not available or not applicable, please provide the reason therefor.)</i>
If a rooftop installation is proposed, has the technical viability been investigated (including roof structural integrity and obstruction/ shading considerations)? If so, by whom?

Readiness of Authorisations		
Is the Environmental Authorisation required in terms of the National Environmental Management Act 107 of 1998 in place?	Received	Applied <i>(please provide date)</i>
If the Environmental Authorisation has been received please indicate whether there are pending appeals or objections against the grant of the Environmental Authorisation? <i>(Please provide details. Where information is either not available or not applicable, please provide the reason therefor.)</i>		
Is a zoning application and/or subdivision application required? <i>(Please indicate when the application/s will be made and when all necessary approvals are expected. Where information is either not available or not applicable, please provide the reason therefor.)</i>		

Please indicate broadly the other key authorisations or government approvals required and the timeline for obtaining these:

Readiness of Grid Connection
Will the proposed project be grid-tied?
Distance to proposed point of common coupling:
GPS coordinates of proposed point of common coupling:
Name of Network Owner (at proposed point of common coupling):
Name of substation at/ closest to proposed point of common coupling:
Provide connection voltage:
Has the Network Owner provided an indication of the network capacity at the proposed point of common coupling? If so, what is the indicative network capacity available?
Have you prepared a grid integration study?
Who prepared the grid integration study?
Have you submitted a request for a cost and time estimate letter from the relevant Network Owner) for grid connection? <i>(If so, please provide the date of submission.)</i>
Have you received a cost and time estimate letter from the relevant Network Owner for grid connection?
Please provide details of the nature of the engagements you have had to date with the relevant Network Owner regarding the project, including meetings held and with which division these were held <i>(Please provide details. Where information is either not available or not applicable, please provide the reason therefor.)</i>
Please indicate whether any network upgrades will be necessary to connect your project? <i>(Please provide details. Where information is either not available or not applicable, please provide the reason therefor.):</i>
Will you be wheeling power across a Network Owner's grid? <i>(Please provide details. Where information is either not available or not applicable, please provide the reason therefor.)</i>
Please indicate the estimated grid connection time from signature of the PPA:
If the project is located outside the Western Cape Province, please give an indication of the transmission arrangements that are necessary for wheeling the power to the Province.

Feedstock supply (e.g. biogas, biomass, landfill gas, municipal solid waste)

Development of the resource

- Please specify the location of the proposed feedstock resource.
- Is the feedstock resource presently in production/ readily available?
 - biomass - is the whole area presently planted?
 - biogas – is there existing production of biogas through anaerobic digestion, or otherwise?
 - landfill gas – is there an existing supply of methane from landfill site?
 - municipal solid waste - is the available feedstock from the municipal waste facility available in quantities adequate to supply the needs of the project?)
- Has the quality of the gas been tested for generation suitability?
- If no:
 - Has the feasibility study for the exploitation of the resource been completed?
 - Are all authorisations including, but not limited to, any environmental authorisations in place?
 - Has all necessary plant infrastructure been constructed to exploit the feedstock at a rate of production required for the project (and other feedstock supplier commitments)?
 - Has the necessary plant been provided for purifying/ refining the gas?

Please include details if you have answered “no” to any of the above questions.

In addition, please indicate when it is anticipated that production of the resource will commence in quantities sufficient to supply the anticipated needs of the project.

Water head and flow for small hydro projects

Development of the hydrology resource

- Is there presently infrastructure in place/ readily available to enable hydropower production (e.g. pipeline infrastructure within which turbines may be retrofitted)?

- Is there data available to determine the water head?
- Is there at least 7 years of flow data available at the proposed intake site?
- If no:
 - Has the feasibility study for the exploitation of the resource been completed?
 - Are all authorisations including, but not limited to, any environmental authorisations in place?

Please include details if you have answered “no” to any of the above questions.

In addition, please indicate when it is anticipated that production of the resource will commence in quantities sufficient to supply the anticipated needs of the project (*Please provide details of key milestones.*)

5. Economic Development

Broad-based Black Economic Empowerment, Local Content, job creation and other Economic Development

Estimated value of Local Content spend and Local Content as a percentage of total project percentage of total project cost (if known):

Value of Local Content spend: R _____

Local Content as a percentage of total project cost: _____%

Opportunities for local manufacture created by the project: (*Please provide a brief description.*)

Number of Jobs (Employment for 12 months) that the project will create?

Number of **Local** Jobs (Employment for 12 months) that the project will create? (if known)

Online Form for a Municipality-led Project: Municipality to complete the following sections in the RFI Response Form

If a response is provided for more than one (1) project, Respondents must complete a separate Response Form for each project. Respondent must complete all sections of the Response Form.

1. General Information about the Municipality

Information Required
Name of the Municipality:
The municipal type?
Name, and contact details of the person appointed to undertake all contact with the MER Programme Team regarding the Project:
Contact e-mail:
Contact phone numbers:

2. Project description, structure, and procurement architect

Please provide a brief overview and description of each Project which the municipality is considering for the next 5 years. The description should include details of the generation technologies which the municipality is targeting, whether the relevant generation facilities are new, the extension of life or capacity of an existing facility and details of potential counter parties where any have been identified.
Nameplate Capacity: Contracted Capacity: <i>(Note: Contracted Capacity is the net output at the delivery point to the grid; Capacity Factor is the expected net annual generation at the delivery point to the grid as a percentage of Contracted Capacity (based upon 8760 hours in a year))</i>
Do you intend to dispatch generation to meet baseload, mid-merit or peaking power? <i>(Please provide details of options and preferences. Where information is either not available or not applicable, please provide the reason therefor.)</i>
Does the Project include a Battery Energy Storage System?

<p>If this project includes a Battery Energy Storage System, is the Battery Energy Storage System a standalone installation or co-located with a generation source? Please also specify (i) Battery storage technology; (ii) Battery storage capacity; (iii) Primary purpose for large scale battery installation; and (iv) Planned source of the electricity for charging the battery storage.</p>
<p>Does the Project that the municipality is planning relate to private-to-private offtake arrangements that will need wheeling through the municipal grid? If yes, please indicate whether the municipality has an approved wheeling tariff.</p>
<p>Planned Commercial Operation Date (“COD”): please indicate date of Scheduled COD (e.g. Q1, 2023) or months from signature of PPA (e.g. 36 months from signature of PPA):</p>
<p>Expected LCOE per MWh (Complete the attached LCOE Excel Template, including, but not limited production (average daily dispatch profile), costs – that will be calculated to expected LCOE per MWh):</p> <p>The LCOE will be Rand denominated.</p>
<p>Is the Project the municipality is planning intended to be a municipal public private partnership? If yes, please briefly outline the steps the municipality has taken to initiate a public private partnership and the stage at which the process is currently at (e.g. feasibility stage, or public consultation phase etc.).</p>
<p>Is the municipality open to procuring the project as part of a regional procurement scheme or arrangement (e.g. regional pool, multi-jurisdictional utility etc.)?</p>

3. Project readiness, stakeholder engagement and municipal approvals

<p>Is the Project which the municipality is considering provided for in the latest version of the approved integrated development plan?</p>	<p>Yes</p>	<p>No</p>
<p>Has the municipal council approved the initiation of a feasibility study?</p>	<p>Yes</p>	<p>No</p>
<p>Has the feasibility study been completed or is it ongoing?</p>		
<p>If the project will be a municipal public-private partnership, has the municipal council approved the notification of the national and provincial treasury? If yes, please provide a brief overview of the treasury views and recommendations the municipality has received and/or is waiting for.</p>		

<p>Whether a municipal public-private partnership is intended or not, please briefly describe the engagements the municipality has had with the key stakeholders especially the (i) Department of Mineral Resources and Energy; (ii) Department of Cooperative Governance and Traditional Affairs Department; and (iii) members of the public. Please provide a summary of the views expressed by the key stakeholders? <i>(Where information is not provided, please provide the reason therefor.)</i></p>
<p>Has the municipality applied to the Minister of Mineral Resources and Energy for the consent required in terms of Regulation 5 of the New Generation Capacity Regulations? If yes, please provide details of the comments or feedback received from the Minister of Mineral Resources and Energy. If not yet applied for, please advise when the municipality plans to apply.</p>
<p>Has the municipality commenced with the process to obtain the consent which is required in terms of section 33 of the MFMA? If yes, please briefly describe the steps taken to date and the status of the application. If not, please indicate when the municipality is planning to apply for the consent.</p>
<p>Does the municipality have an approved cost of supply study? Does the municipality believe that the cost of supply study it currently has will be able to justify the tariff it will seek as a result of its project?</p>
<p>Please provide brief details of how the municipality intends to fund the project(s) it is considering. Do any of the funding mechanisms it is considering involve government support in the form of a guarantee.</p>

4. Information on Site, Data, Authorisations, Grid Connection and other technical matters

<p>Site location and use</p>
<p>Indicate site location (nearest town, district region or province if the generation facility is located outside the Western Cape province):</p>
<p>Is the Project located within a Renewable Energy Development Zone?</p>
<p>GPS coordinates of site:</p>
<p>Provide the estimated land requirements for the Project (or if a rooftop installation, the area of the roof coverage):</p>
<p>Has the use of the site for the project been secured? <i>(Please provide details on the nature of rights secured (ownership/ rental etc.) or to be secured and indicate a</i></p>

timeframe for completion of this. Where information is either not available or not applicable, please provide the reason therefor.)

If a rooftop installation is proposed, has the technical viability been investigated (including roof structural integrity and obstruction/ shading considerations)?

If so, by whom?

Readiness of Authorisations		
Is the Environmental Authorisation required in terms of the National Environmental Management Act 107 of 1998 in place?	Received	Applied <i>(please provide date)</i>
If the Environmental Authorisation has been received please indicate whether there are pending appeals or objections against the grant of the Environmental Authorisation? <i>(Please provide details.)</i>		
Is a zoning application and/or subdivision application required? <i>(Please indicate when the application/s will be made and when all necessary approvals are expected. Where information is either not available or not applicable, please provide the reason therefor.)</i>		
Please indicate broadly the other key authorisations or government approvals required and the timeline for obtaining these:		