



mineral resources & energy

Department:
Mineral Resources and Energy
REPUBLIC OF SOUTH AFRICA

TERMS OF REFERENCE TO APPOINT PROFESSIONAL SERVICE PROVIDERS (PSPs) TO DEVELOP A PROVINCIAL INTEGRATED ELECTRIFICATION MASTER PLAN, WITHIN THE GAUTENG, EASTERN CAPE, LIMPOPO, NORTH WEST AND MPUMALANGA PROVINCES FOR A PERIOD OF ELEVEN (11) MONTHS STARTING FROM THE DATE OF SIGNING OF THE CONTRACT WITH THE DEPARTMENT OF MINERALS RESOURCES AND ENERGY (DMRE).

1. PURPOSE

- 1.1. The purpose is to clearly identify (grid and off-grid) electrified and un-electrified areas in order to achieve Universal Access to Electricity and the impact on Generation, Transmission and Distribution network infrastructure requirements.

2. OBJECTIVES

- 2.1. The overall project objective is to develop a Provincial Integrated Electrification Master Plan that comprises of:
- i. A long term integrated plan (10-15 yrs.);
 - ii. Three-to-Five year's Capital and Operational Plan; and
 - iii. A One-year Project and Budget plan.
- 2.2 The beneficiaries are licensed entities (Municipalities, Eskom and/Private Distributors), within Gauteng, Eastern Cape, Limpopo, North West and Mpumalanga provinces.

3. BENEFICIARY PROVINCE

- 3.1. The beneficiary provinces are the Gauteng, Eastern Cape, Limpopo, North West and Mpumalanga within the Republic of South Africa (RSA). The Project is being sponsored by the Department of Mineral Resources and Energy (DMRE) – the ‘Sponsors’. The DMRE will coordinate the project.

4. CONTRACTING AUTHORITY

- 4.1. The Contracting Authority is the DMRE. The support funding, administered by the DMRE, has been sourced from National Treasury.

5. OUTCOMES TO BE ACHIEVED

- 5.1. The outcomes of the Project are to ensure more connections, through increased efficiency in planning and the delivery process, the following should be seen as minimum study requirements to be performed by the Professional Service Providers (PSPs) pursuant to achieving the above objective:
- 5.1.1. The assessment and confirmation of existing and potential future electrification backlog based on demographic and economic analysis. The outcome should be a comprehensive national electrification status quo that will be used to develop a spatial view of where electrification imbalances exist. This shall be subdivided into electricity supply areas under licenced distributors (Eskom, Municipalities, and Private Distributors). It shall also clearly identify green fields and brown fields within the jurisdiction of a municipality.

- 5.1.2. Development of a Provincial Integrated Electrification Master Plan that will eradicate the electrification backlog in line with the Universal access target. This plan should clearly identify the impact Universal Access will have on Generation, Transmission, and Distribution network infrastructure requirements and should be developed in close relation with the Eskom and Municipal network planners.
- 5.1.3. Development of budget cost estimates and an associated phased implementation strategy for the required infrastructure development including household connections. This should be used to develop a cost of supply study per licensed entity that will eventually inform the connection cost. The connection costs shall be influenced by the total number of households to be electrified in any potential project area and the bulk infrastructure required to realise those connections. Other factors such as the topography, material costs, labour costs, etc., shall be considered when conducting this exercise.
- 5.1.4. Based on the connection cost and phasing, identify feasible off-grid electrification areas to be included in potential off-grid areas. Assess the current non-grid (solar home) system, explore the potential for mini- and micro-grids and make necessary recommendations.

6. GEOGRAPHIC AREA

- 6.1. This phase of the study will cover the Gauteng, Eastern Cape, Limpopo, North West and Mpumalanga Municipalities (including the Metropolitan Municipalities in these regions).
- 6.2. It will consider all electrification areas and associated networks within both Eskom and Municipal areas of supply, including those supplied by licenced private distributors. A list of all licensed municipalities within the provinces mentioned above is attached as **Appendix A**.

7. METHODOLOGY

7.1. The methodology to be used in compiling the Electrification Master Plans should be in line with the industry best practices as this covers all the fundamentals. Conducting an Electrification Master Plan should include extensive stakeholder involvement and site visits. This will ensure that the developed master plan captures a holistic picture with regards to electrification developments within the municipalities and alleviate passive misalignments before finalisation. Figure 1 below illustrates a simplified general process to conduct the Electrification Master Plan.

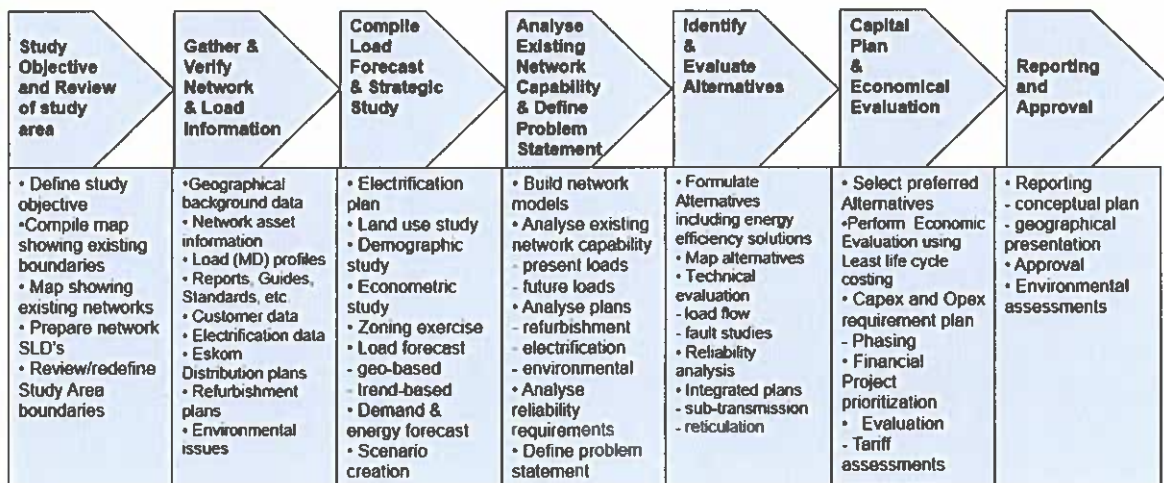


Figure 1: General process to conduct energy master plans

7.2. It is therefore advisable that interested bidders follow the process as outlined in Figure 1 above when preparing the **technical proposals detailing the methodology to be used** for this bid (as indicated in Section 16 of this document).

7.3. Eskom NDP methodology can also be used as a reference to guide interested bidders when preparing the proposals.

8. SCOPE OF WORK

The following are seen as minimum activities to be developed to achieve the project objectives;

8.1. Project Inception

- 8.1.1. The objective of this phase is to ensure a complete understanding of, among other things, the approach, methodology, timelines, supporting information, and deliverables of the project.

8.2. Status Quo Analysis

- 8.2.1. After completing an exercise in information gathering, this phase's outcome will be a dataset including GIS shape files indicating both the areas that are electrified and associated backlog quantities. The Status Quo will include information on:

- a) Bulk Supply System;
- b) Assessment of the current distribution system;
- c) Current Capacity;
- d) Accuracy of the Current Demand;
- e) Backlogs relating to the Millennium Development Goals (MDGs); and
- f) Efficiency Levels and Losses Assessment.

8.3. Future Demand, Needs, and Challenges

- 8.3.1. The Spatial Development Perspective in line with the national initiatives that target areas for growth and development must be considered. Concerning Land Use, the anticipated energy demand and critical factors that would affect the service provision must be identified.

8.4. Analysis and Modelling

This exercise will include, but not limited to, the following:

- a) Demand-side management;
- b) Geographical Load Forecast
- c) Bulk Supply (placement of primary substations);
- d) Upgrades and Refurbishment necessary;
- e) Expansion of networks;
- f) Alternative Technologies, Solutions and Standards (where necessary);
- g) Quantitative analysis of (b), (c) and (d) in relation to electrification
beneficiation (additional households connections)
- h) Financial Analysis and Cost Benefit (Cost of supply studies);
- i) Cost per connection analysis; and
- j) Risk Analysis

8.5. Breakdown of Plans

This activity should include the following:

8.5.1. One-year Project and Budget Plan

This plan should cover the projects to be delivered in the immediate future. It should indicate corrective actions that need to be taken immediately (within the first year) to ensure that the below-mentioned two stages will be realized.

8.5.2. Three-to-Five-Year Capital Plan

This plan should itemise projects to be developed over this period (3-5 yrs), having due regard for, and as far as practicably possible inform, the Medium Term Expenditure Framework (MTEF) estimates as they relate to electrification. This should be accompanied by the present-day cost and operational cost estimates, which are adjusted so that the electricity department from the municipalities can prepare budgets for the Medium Term Financial Plan (MTFP) for the anticipated Capital costs and Operational and Maintenance (O&M) costs.

8.5.3. Long term integrated plan (10years)

Long term integrated plan (10 yrs.) taking into account anticipated economic and population growth. At a minimum, this should be based on the Spatial Development Framework and the Town Planning Scheme for the area(s).

8.6. Identification of Grid vs. Off-Grid Areas

- 8.6.1. This task should build on the previous tasks in that specific Grid vs Off-grid areas should be evaluated and identified. The definition of Off-grid areas should be supported by suitable feasibility analysis, clearly showing the benefits of an area remaining Off-grid. The outcome of this task will be the spatial definition of Grid and Off-Grid area.

9. DRAW COMPARISON WITH INTERNATIONAL STANDARDS

- 9.1. A benchmarking exercise with leading countries will be conducted while the project is ongoing to ascertain the level at which the Master Plan is being conducted and implemented. The appointed service providers will recommend countries that the Department will be benchmarking against.

10. LOGISTICS AND TIMING

10.1. LOCATION

- 10.1.1. The operational base for the assignment is Pretoria, South Africa, although it is foreseen that site visits to various municipal entities as well as Eskom Operating Units will be required.

10.2. CONTRACTING

- 10.2.1. The project will commence after signing of the Contract.
- 10.2.2. Create employment/in-service training opportunities

10.2.2.1. The appointed service provider shall create employment and/or provide opportunities to grade 12 certificate recipients, graduates and persons seeking internship during the contract period with the Department. Opportunities that will be created for the above-mentioned candidates may include but not limited to:

- a) Data Collectors;
- b) Data Capturers;
- c) GIS Officials;
- d) Statisticians;
- e) Project Administrators;
- f) Energy Officers; and
- g) Clerks of Works.

10.3. PERIOD OF EXECUTION

10.3.1. The period of execution shall be categorised as per the Specific Activity outlined below and is for the duration of 11 months after the signing of a contract:

- a) **Inception Phase:** will be finalised within 4 weeks after signing of Agreement with the Department;
- b) **Status Quo:** will be finalised within 3 months after the finalisation of the inception phase;
- c) **Future Demand, Needs, Challenges, Analysis and Modelling:** will be finalised within 3 months after the completion of the Status Quo phase; and
- d) **Provincial Electrification Master Plan & Identification of Grid vs. Off-Grid Areas:** shall be finalised within 3 months after the completion of the Future Demands, Needs and Challenges phase; and
- e) **Close-out:** will be finalised in exactly 4 weeks after the finalisation of the Master Plan.

11. REPORTS

11.1. REPORTING REQUIREMENTS

11.1.1. The PSPs shall submit the Final Report and associated presentation that should reflect the outcome of all activities prepared throughout the study. All reporting shall be provided in written English. Submission by electronic means is acceptable for all except the Draft Final Report and the Final Report, which must also be provided in printed forms (3 copies). Note that all hard copy reports must be properly bound.

11.1.2. Format for all deliverables: electronic files in WORD and/or EXCEL as well as GIS-related or other modelling files that may require tailor-made software/application(s). Files are to be forwarded by E-mail or CD-ROM.

11.2. SUBMISSION AND APPROVAL OF REPORTS

11.2.1. The PSPs shall on the basis of the comments, recommendations, and requests provided by the DMRE, amend the reports and resubmit them within two weeks of receiving such comments.

11.2.2. The Final Report will be approved by the DMRE. The PSPs shall consider the comments of, and necessary revisions proposed by, the DMRE. Within 14 days from the receipt of the comments or modification proposal from the DMRE, the PSPs shall prepare and submit the final versions of the report. If no comments or proposed modifications are received from the DMRE within 14 days after the submission, the report will be considered tacitly approved.

11.3. COPYRIGHT

11.3.1. The Department (DMRE) (Employer) shall own and have copyright for all reports, studies, datasets, and related documents gathered during the study. The DMRE will be entitled to dispose freely of this material for all project-related purposes. Use or dissemination of the above-mentioned reports/studies/datasets and related documents after the study had been concluded will need to be authorised by the DMRE.

11.4. OWNERSHIP OF DOCUMENTS AND DATA

11.4.1. All studies, reports, and related data and documents such as maps, diagrams, plans, statistics, and supporting material made available to the DMRE, as well as any software procured under the consulting assignment shall pass into the DMRE's ownership.

12. TAX CLEARANCE CERTIFICATE

- a) The potential panel of service providers (PSPs) must ensure compliance with their tax obligations.
- b) The potential service provider is required to submit its unique personal identification number (pin) issued by SARS to enable the Department to view the taxpayer's profile and tax status.
- c) Application for tax compliance status (TCS) or pin may also be made via e-filing. In order to use this provision, the taxpayer will need to register with SARS as an e-filer through the website www.sars.gov.za.
- d) The potential service provider may also submit a printed TCS together with the proposal.
- e) In proposals where consortia / joint ventures / sub-contractors are involved, each party must submit a separate proof of TCS / pin / CSD number.
- f) Where no TCS is available but the potential service provider/s is registered on the central supplier database (CSD), a CSD number must be provided.

13. SECURITY BACKGROUND CHECK

- 13.1. The DMRE reserves the right to conduct Security background checks in respect of the selected PSPs, its Directors and staff.

14. PROPOSALS AND BUDGET

- 14.1. The PSPs should prepare a technical proposal detailing the methodology to be used to gather the information that will inform the status quo phase, how analysis and modelling of the licensee's network will be performed, how the required cost of supply studies per licensee's network will be conducted, how the Electrification Master Plan for the Gauteng, Eastern Cape, Limpopo, North West and Mpumalanga provinces will be developed with detailed Long-Term Integrated Plan, a Three-to-Five Year Capital Plan and a One Year Project and Budget Plan per licensed distributor.
- 14.2. Scheduled payments to the PSPs shall be made in line with the requirements of the Services and Processes for Estimating Fees for Persons Registered in terms of the Engineering Profession Act, 2000, (Act No. 46 of 2000), as illustrated in Table 1 below:

Scheduled Payments Scenario

5%	Project Inception
15%	Status Quo Analysis including Information regarding the bulk supply system; Assessment of the current distribution system; and Efficiency Levels and Losses Assessment.
40%	Future Demand, Needs and Challenges; and Analysis and Modelling.
35%	Breakdown of Plans; and Identification of Grid vs. Off-Grid Areas.
5%	Handing over of final documents, systems, reports etc.

15. PROFESSIONAL INDEMNITY INSURANCE

- 15.1. The PSPs must provide valid Professional Indemnity insurance from an authorized financial service provider of a minimum of R 1 million to cover errors and omissions that may arise in the provision of professional services to the Department. The Professional Indemnity insurance must be valid and in good standing for the duration of 120 days commencing from the closing date of the bids advertisement. If the PSP is appointed, it will be the responsibility of the PSPs to ensure that the indemnity insurance adequately covers the value of services awarded.

16. EVALUATION CRITERIA

The bidders will be evaluated in accordance with the following two stages, namely:

- a) Stage 1 : Functionality
- b) Stage 2 : Financial Offer and Preferential Evaluation

16.1. STAGE 1: Functionality

For purposes of evaluating functionality, the following values will be applicable:

1	Non-responsive	Will not be able to fulfil the requirements
2	Poor	Will partially fulfil the requirements
3	Acceptable	The bidder will be able to fulfil the requirements
4	Good	The bidder will be able to fulfil better in terms of the requirements
5	Excellent	Fully fulfil in terms of the requirements

16.1.1. PROPOSED METHODOLOGY AND APPROACH

16.1.1.1. The proposed methodology and approach proposal must respond to the scope of work and outline the proposed approach / methodology including that relating to development facilitation, environment, health and safety. The approach proposal should articulate what value-add the respondent will provide in achieving the stated objectives for the project. (The PSPs response will be guided by the content as listed in Appendix A).

16.1.1.2. The proposal must incorporate the following key aspects

- a) Technical approach and methodology should explain the PSPs understanding of the project objectives. It should highlight the issues of importance and explain the technical approach they will adopt to address them. The proposal should explain the methodologies, which are to be adopted, demonstrate the compatibility of these methodologies with the proposed approach and address any modifications required to complete the proposed scope of work.
- b) Management method should be developed and approved during the project-planning phase (inception phase) to confirm major deliverables/milestone and acceptance criteria. It should also be used to manage approved project processes and responsibilities.
- c) Project audits, reviews, and approval by the DMRE, which will be identified during the project phase. The proposal must also describe how the results of these audits and reviews will be factored into the project planning.
- d) Discuss the process of benchmarking with other leading countries during the execution of the study and how this exercise will benefit the project.

The approach proposal should not be longer than eight (8) pages. Should the proposal be more than eight (8) pages, the pages thereafter will not be considered. The scoring of the methodology and approach will be as highlighted under Table 4.

Refer to the Functionality Evaluation Criteria Matrix in Table 4 for a detailed evaluation process

16.1.2. EXPERIENCE AND QUALIFICATIONS OF THE BIDDER'S PROPOSED KEY RESOURCES/ EXPERTS

16.1.2.1. Experience of the key personnel in relation to the Scope of Work will be evaluated from the following points of view:

- a) An organisational structure that indicates the personnel within the company, their names, positions and responsibilities should be included.
- b) General experience (total duration of professional career), level of education and training, and positions held of each key personnel member.
- c) The education, training, and experience of the key personnel members, that is directly linked to the sector and field/subject matter of the Scope of Work.
- d) The key personnel member's knowledge of issues, which the PSPs considers pertinent to the Contract project.
- e) Each Key Personal can only be considered for one identified key position, that is, no doubling of roles is allowed for this bid.

16.1.2.2. A CV of each key staff member of not more than 5 pages should be attached to this schedule. The duly signed CV should be structured under the following headings:

1. **Personal particulars:** Name, date, and place of birth, place(s) of tertiary education and dates associated therewith, and professional awards.
2. **Qualifications & Registrations (degrees, diplomas, grades of membership of professional societies and professional registrations –** original certified within three months of the closing date. All Foreign qualifications to be accompanied by an equivalent SAQA accreditation. Foreign qualifications without SAQA accreditation will not be considered for this bid.
3. Name of current employer and position in enterprise.
4. Breakdown of positions held from the time qualification was obtained to date.
5. Overview of postgraduate/diploma experience (date, organisation and position).
6. Outline of recent and completed assignments/experience that has a bearing on the scope of work.

16.1.2.3. Failure to comply with these guidelines will render the CV invalid and thus will not be considered during evaluation.

16.1.2.4. High importance is placed on the qualifications and relevant experience of the staff proposed. The PSPs must ensure that, if selected for the assignment, the nominated staff will be assigned as proposed to meet the minimum requirements. Failure to do so may result in the award being cancelled by the DMRE (Employer).

Refer to the Functionality Evaluation Criteria Matrix in Table 4 for a detailed evaluation process

16.1.3. EVALUATION EXPERIENCE OF THE PSPs (LEAD PSPs AND ENTITIES IN JV, CONSORTIUM, ASSOCIATION, ETC)

16.1.3.1. The experience of the PSPs (or that of the constituent member in a joint venture, consortium, or association) in the execution of projects within the provision of Macro Planning, Project Planning, Project Management Plans, and Infrastructure Asset Management services, etc. in the municipal sphere over the past years will be evaluated. PSPs should very briefly describe their experience in this regard and attach this to the documents that will be sent to the Department. The description should be consolidated in the format of the tables provided below.

Table 1: Summarized Details of Experience / Track Record of the Bidding Entity in Executing Work of Similar Nature

EXPERIENCE / TRACK RECORD OF THE BIDDER OVER THE PAST 5 YEARS IN: Macro-Planning, Project Planning, Management Plan, and Project Management of Electrical Infrastructure in the Municipal Sphere				
Employer, contact person and telephone number and email address	Description of Professional Services Provided in the Built-Environment / Infrastructure Planning etc	Value of Service provided (inclusive of VAT (Rand)	Date Service Commenced	Date Service Ended
1.				
2.				
etc.				

16.1.3.2. With respect to subcontracted References, note that subcontracted professional services will need to be confirmed by the Client or Implementing Agent of the project. References that are not confirmed will not be considered.

16.1.3.3. The Reference Letter signed by the referee must be included in the documents that will accompany the bid submission. A separate letter must be submitted for each reference required in the evaluation of the bidder's experience and therefore failure to adhere to this requirement will result in such bid not considered. Note that Bidders are required to fulfil this requirement separately for each category they wish to be considered. An average score of at least 70 is required for the reference to be considered.

16.1.3.4. *Refer to the Functionality Evaluation Criteria Matrix in Table 4 for a detailed evaluation process.*

16.1.4. LEAD BIDDER'S QUALITY MANAGEMENT SYSTEM

16.1.4.1. The Bidder needs to describe the quality management/ assurance plan that the organisation uses, and how it will be adopted for the proposed project.

- a. **Organisation's Quality Policy:** To explain the bidder's pre-existing quality processes, procedures and standard operational procedures. The bidders quality policy document must accompany this bid
- b. **Project Planning, Implementation, and Monitoring:** To outline the bidder's understanding of the key deliverables and how quality will be assessed and ensured for each of the deliverables.
- c. **Document Management and Control:** To outline the bidder's processes in place to ensure that all project key milestones and contractual documentation is adequately recorded until such time that the information is required.
- d. **Risk Management:** To Identify risks and develop strategies to manage them throughout the project implementation period

16.1.4.2. Any ISO certification needs to be stated and proof need to be attached to the bid. Table 2 below details the evaluation criteria of this phase.

LEAD BIDDER'S QUALITY MANAGEMENT SYSTEM:		5
The bidder is ISO 9001 certified. Also, the Bidder demonstrates that they employ a reasonable quality assurance system and can prove that this system is in place, in use and it addresses the project planning, preparation, implementation and associated project support services.	Excellent: 5	
The Bidder demonstrates employment of a reasonable quality assurance system and can prove that this system is in place, in use and partly address project life cycle	Good: 4	
The Bidder demonstrate employment of a reasonable quality assurance system.	Acceptable: 3	
The Bidder fails to demonstrate employment of a reasonable quality assurance system and fails to prove that this system is in place and in use.	Poor: 2	
No Quality Assurance System submitted.	Non-responsive: 1	

16.1.5. PROPOSED APPROACH TO TRANSFER SKILLS/ KNOWLEDGE TO MUNICIPAL OFFICIALS WORKING IN THE SAME SECTOR

16.1.5.1. SKILLS TRANSFER

The appointed service provider will be required to recommend the necessary training to the Department's/ and Municipalities staff in order to ensure that on completion, the Department/ and Municipalities will be in a position to update, maintain and operate the simulation software packages that will be submitted with the completed Master Plan. The Department currently has a license for Retic-Master and Power Office. The service provider will monitor the competence of the Department's staff that is seconded for the skills transfer. After the project has been completed, the service provider will make necessary hours available to the Department for support services

16.1.5.2. The Skills and knowledge Transfer approach must respond to the proposed Scope of Work and outline the proposed approach/ methodology and should include the following:

16.1.5.3. Capacitation for the DMRE and the Municipal Employees to be able to understand, update and implement the plan. This will explain the bidder's understanding of the initiative's objectives. It will highlight the processes/ resources in place and provisions that will be made available to achieve this objective.

16.1.5.4. The scoring of the Skills Transfer approach proposal will be as per Table 3 below:

LEAD BIDDER'S SKILLS TRANSFER APPROACH		5
In addition to meeting the Employer's requirements on skills transfer, the Bidder has sufficiently demonstrated that they have prior experience and ability on skills and knowledge transfer	Excellent: 5	
The Skills and Knowledge proposal was specifically tailored for the project and the Employer's objectives as described in the scope of work.	Good: 4	
The skills and knowledge proposals is project specific. It does address the main objectives of the Employer.	Acceptable: 3	
The skills and knowledge proposals is generic and not project specific. It does not address the main objectives of the Employer	Poor: 2	
No Skills and Knowledge Transfer submission made	Non-responsive: 1	

Table 4: Functionality Evaluation Criteria Matrix

No.	Criteria		Weights
1.	PROPOSED METHODOLOGY AND APPROACH	❖ All the aspects are addressed in an innovative and efficient way, indicating that the PSP has outstanding knowledge of state-of-the-art approaches. The approach proposal details ways to create value in addition to the specified aspects = 5 points ❖ The approach is specifically tailored to address the specific project objectives and methodology and is sufficiently flexible to accommodate changes that may occur during execution. The PSP address fully all of the specified aspects of the proposal = 4 points ❖ The approach is project specific and addresses project objectives and methodology. The PSP addressed all aspects of the proposal = 3 points ❖ The technical approach and / or methodology is poor / is unlikely to satisfy project objectives or requirements. The PSP only address fully one of the specified aspects of the proposal = 2 points ❖ No response. Failed to address the question / issue = 1 point	34
2.	EXPERIENCE OF THE PSPs PROPOSED KEY RESOURCES/ EXPERTS a) Must have electrical engineering minimum of 5 yrs (incl experience prior ECSA registration) in: Planning, Design and Project Management of electrical engineering infrastructure required in municipal engineering services provision. ❖ Signed CV's of the Team leader must be attached to the technical proposal as proof b) Electrical Engineer: Must have a minimum of 5 yrs. electrical	ECSA Registration 7 years and above = 5 points 6 years = 4 points 5 years = 3 points 4 years = 2 points 3 years and less = 1 point ECSA Registration	26 4 3

No.	Criteria		Weights
	engineering (incl. experience prior ECSA registration) in: Planning, design and project management of electrical engineering infrastructure required in municipal engineering services provision. Individual team members must have at least five (5) years and proven experience in the same field. ❖ Signed CV's of the Team member must be attached to the technical proposal as proof. c) Town Planner: Must have a minimum of 5 yrs. (incl. experience prior SACPLAN registration) in: Spatial development planning in municipal environment; Management processes as it relates to the built environment. Individual team members must have at least five (5) years and proven experience in the same field. ❖ Signed CV's of the Team member must be attached to the technical proposal as proof. d) GIS Professional: Must have a minimum of 5 yrs. (incl. experience prior SAGC registration) in; Managing collection, visualization and capturing of data from various formats and sources spatial mapping and analysis of energy infrastructure related projects manage, design and implement a database to store required data sets. ❖ Signed CV's of the Team member must be attached to the technical proposal as proof.	7 years and above = 5 points 6 years = 4 points 5 years = 3 points 4 years = 2 points 3 years and less = 1 point SACPLAN Registration 7 years and above = 5 points 6 years = 4 points 5 years = 3 points 4 years = 2 points 3 years and less = 1 point SAGC Registration 7 years and above = 5 points 6 years = 4 points 5 years = 3 points 4 years = 2 points 3 years and less = 1 point	3 3
	QUALIFICATIONS OF THE PSPs PROPOSED KEY RESOURCES/ EXPERTS a) Team Leader: A Bachelor Degree in Engineering. Professional registration as a Professional Engineer/ Professional certificated	Qualification Masters = 5 points Honours = 4 points Degree = 3 points	4

No.	Criteria		Weights
	engineer or a Professional Engineering Technologist in terms of the Engineering Professions Act, 2000 b) Electrical Engineer: A Bachelor Degree in Electrical Engineering. Professional registration as a Professional Engineer/ Professional certificated engineer or a Professional Engineering Technologist or Professional Engineering Technician in terms of the Engineering Professions Act, 2000. c) Town Planner: A Bachelor Degree in Town Planning (Rural & Urban and/ Town & Regional Planning). Professional registration as a Professional Planner in terms of the Planning Profession Act, 2002 (Act 36 of 2002). d) GIS Professional: A Bachelor Degree in Geographical Science (GIS)/Bachelors of Science in Environmental Management (GIS)/ Degree in Land Surveying. Professional registration as a Professional with SAGC.	Diploma = 2 points Certificate = 1 point Qualification Masters = 5 points Honours = 4 points Degree = 3 points Diploma = 2 points Certificate = 1 point Qualification Masters = 5 points Honours = 4 points Degree = 3 points Diploma = 2 points Certificate = 1 point Qualification Masters = 5 points Honours = 4 points Degree = 3 points Diploma = 2 points Certificate = 1 point	3 3 3
3.	EXPERIENCE OF THE BIDDER (LEAD TENDER AND ENTITIES IN JV, CONSORTIUM, ASSOCIATION, ETC) a) Bidder has completed plans comprising of electricity Master Plan, Energy Efficiency, and Demand Side Management System	5 macro- plans = 5 points 4 macro- plans = 4 points 3 macro-plans = 3 points 2 macro-plan = 2 points 1 macro plans = 1 point	30 20

No.	Criteria		Weights
		The Skills and Knowledge proposal was specifically tailored for the project and the Employer's objectives as described in the scope of work = 4 points The skills and knowledge proposal is project specific. It does address the main objectives of the Employer = 3 points The skills and knowledge proposal is generic and not project specific. It does not address the main objectives of the Employer = 2 points No Skills and Knowledge Transfer submission made = 1 point	
	Total		100

16.2. STAGE 2: Financial Offer and Preference Evaluation

16.2.1. With reference to the PPPFA 2017, the evaluation shall be based on the 80/20 Principle, and the points for evaluation criteria are as follows:

Evaluation Criteria	Points
Price	80
Broad-Based Black Economic Empowerment	20
Total	100

*The contract may be awarded to a tenderer that did not score the highest points, in accordance with section 2(1)(f) of the PPPFA 2017

17. BROAD-BASED BLACK ECONOMIC EMPOWERMENT

- a) Provisions of the Preferential Procurement Regulations (PPR) of 2017 will apply in terms of awarding points.

- b) Bidders are required to submit original and valid B-BBEE Status Level Verification Certificates or certified copies thereof together with their bids, to substantiate their B-BBEE rating claims.
- c) Bidders who do not submit their B-BBEE status level verification certificates or are non-compliant contributors to B-BBEE will not qualify for preference points for B-BBEE.
- d) A trust, consortium, or joint venture must submit a consolidated B-BBEE status level verification certificate for every separate bid.
- e) The B-BBEE status level verification certificates submitted must be issued by the following agencies:

17.1. For bidders other than EMEs:

- Verification agencies accredited by SANAS
- Registered auditors approved by IRBA

17.2. The table below depicts the B-BBEE status level of contribution:

B-BBEE Status Level Contributor	Number of points (80/20 system)
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-Compliance contributor	0

18. PRICE

- 18.1. The price quoted must clearly indicate resources to be used, professional rates used, hours required to complete the work, overheads and admin costs, subsistence, travel and accommodation rates (as per National Treasury Instruction No. 03 of 2016/2017), and any other costs included.
- 18.2. Bidders should bid for specific provinces within the five where the study is will be undertaken. A separate bid should be submitted for each province.
- 18.3. Payments to service providers shall be scheduled and paid accordingly. Payment shall be made per milestone reached.

19. FORMAT AND SUBMISSION OF THE PROPOSAL

- 19.1. All the official forms (SBD) that are included in the bid document must be completed in all respects by bidders. Failure to comply will invalidate a bid.
- 19.2. Bidders are requested to submit two (2) copies: 1 original plus a copy of the proposal and bid documents.
- 19.3. A two-envelope system will be used for the evaluation of bidders, the first envelope must contain the technical proposal only, and the second envelope must contain the price only.
- 19.4. Bidders prefer to bid for two or more provinces, they must indicate as such.

20. NON-COMPULSORY BRIEFING SESSION

- 20.1. A non-compulsory briefing session will be held on **17 August 2021 at 11:00-13:00**, via Microsoft Teams. Companies will find the meeting link on DMRE Website or kindly send email to Sumel.msiza@dmre.gov.za.

21. CLOSING DATE

- 21.1. Proposals must be submitted by **31 August 2021 at 11H00** at 192 Visagie Street, Pretoria, in the bid box marked Department of Mineral Resources and Energy.

22. ENQUIRIES

- 22.1. All general enquiries relating to bid documents should be directed to:

Mr. Samuel Msiza

Tel No: (012) 406 7910

E-mail: Samuel.msiza@dmre.gov.za.

- 22.2. Technical enquiries can be directed in writing to:

Bongani Nhlabathi

Tel No: (012) 406 7682

E-mail: bongani.nhlabathi@dmre.gov.za

or

Sebastian Khoza

Tel No: (012) 406 7637

E-mail: sebastian.khoza@dmre.gov.za.

ANNEXURE A – LICENCED MUNICIPALITIES AND PRIVATE DISTRIBUTORS

LICENCED MUNICIPALITIES

No.	Province	Licence No.	Distributor
1	Eastern Cape	NER/D/EC101	Dr Beyers Naude Local Municipality
2	Eastern Cape	NER/D/EC102	Blue Crane Route Local Municipality
3	Eastern Cape	NER/D/EC104	Makana Local Municipality
4	Eastern Cape	NER/D/EC105	Ndlambe Local Municipality
5	Eastern Cape	NER/D/EC106	Sunday's River Valley Local Municipality
6	Eastern Cape	NER/D/EC108	Kouga Local Municipality
7	Eastern Cape	NER/D/EC109	Kou-Kamma Local Municipality
8	Eastern Cape	NER/D/EC123	Great Kei Local Municipality
9	Eastern Cape	NER/D/EC124	Amahlathi Local Municipality
10	Eastern Cape	NER/D/EC125	Buffalo City Municipality
11	Eastern Cape	NER/D/EC129	Raymond Mhlaba Local Municipality
12	Eastern Cape	NER/D/EC131	Inxuba Yethemba Local Municipality
13	Eastern Cape	NER/D/EC136	Emalahleni Municipality (Eastern Cape)
14	Eastern Cape	NER/D/EC138	Sakhisizwe Local Municipality
15	Eastern Cape	NER/D/EC139	Enoch Mgijima Local Municipality
16	Eastern Cape	NER/D/EC141	Elundini Local Municipality
17	Eastern Cape	NER/D/EC142	Senqu Local Municipality
18	Eastern Cape	NER/D/EC145	Walter Sisulu Local Municipality
19	Eastern Cape	NER/D/EC151	Mbizana Local Municipality
20	Eastern Cape	NER/D/EC157	King Sabata Dalindyebo Local Municipality
21	Eastern Cape	NER/D/KZ5a3	Matatiele Local Municipality
22	Eastern Cape	NER/D/Nmandela	Nelson Mandela Bay Metro
23	Gauteng	NER/D/CBLC8	Merafong City Local Municipality
24	Gauteng	NER/D/GT411	Mogale City Local Municipality
25	Gauteng	NER/D/GT421	Emfuleni Local Municipality
26	Gauteng	NER/D/GT422	Midvaal Local Municipality
27	Gauteng	NER/D/GT423	Lesedi Local Municipality
28	Gauteng	NER/D/GT485	Rand West City Local Municipality
29	Gauteng	NER/D/JHB	City Power (Pty) Ltd
30	Gauteng	NER/D/PRETORIA	City of Tshwane
31	Gauteng	NER/D/RHULENI	Ekurhuleni Municipality
32	Limpopo	NER/D/CBLC3	Ephraim Mogale Local Municipality
33	Limpopo	NER/D/CBLC4	Elias Motswaledi Local Municipality
34	Limpopo	NER/D/LIM368	LIM368 Local Municipality
35	Limpopo	NER/D/NP332	Greater Letaba Local Municipality
36	Limpopo	NER/D/NP333	Greater Tzaneen Municipality
37	Limpopo	NER/D/NP334	Ba-Phalaborwa Local Municipality
38	Limpopo	NER/D/NP341	Musina Local Municipality
39	Limpopo	NER/D/NP344	Makhado Local Municipality
40	Limpopo	NER/D/NP351	Blouberg Local Municipality

No.	Province	Licence No.	Distributor
41	Limpopo	NER/D/NP353	Molemole Local Municipality
42	Limpopo	NER/D/NP354	Polokwane Municipality
43	Limpopo	NER/D/NP361	Thabazimbi Local Municipality
44	Limpopo	NER/D/NP362	Lephalale Local Municipality
45	Limpopo	NER/D/NP366	Bela Bela Local Municipality
46	Limpopo	NER/D/NP367	Mogalakwena Local Municipality
47	Mpumalanga	NER/D/MP301	Albert Luthuli Local Municipality
48	Mpumalanga	NER/D/MP302	Msukaligwa Local Municipality
49	Mpumalanga	NER/D/MP303	Mkhondo Local Municipality
50	Mpumalanga	NER/D/MP304	Pixley Ka Seme Local Municipality
51	Mpumalanga	NER/D/MP305	Lekwa Local Municipality
52	Mpumalanga	NER/D/MP306	Dipaleseng Local Municipality
53	Mpumalanga	NER/D/MP307	Govan Mbeki Local Municipality
54	Mpumalanga	NER/D/MP311	Victor Khanye Local Municipality
55	Mpumalanga	NER/D/MP312	Emalahleni Municipality (MP)
56	Mpumalanga	NER/D/MP313	Steve Tshwete Local Municipality
57	Mpumalanga	NER/D/MP314	Emakhazeni Local Municipality
58	Mpumalanga	NER/D/MP321	Thaba Cweu Local Municipality
59	Mpumalanga	NER/D/MP324	Nkomazi Local Municipality
60	Mpumalanga	NER/D/MP326	City of Mbombela
61	North West	NER/D/NW372	Madibeng Municipality
62	North West	NER/D/NW373	Rustenburg Municipality
63	North West	NER/D/NW374	Kgetleng River Local Municipality
64	North West	NER/D/NW382	Tswaing Local Municipality
65	North West	NER/D/NW384	Ditsobotla Local Municipality
66	North West	NER/D/NW385	Ramotshere Municipality
67	North West	NER/D/NW392	Naledi Local Municipality
68	North West	NER/D/NW393	Maamusa Local Municipality
69	North West	NER/D/NW394	Greater Taung Local Municipality
70	North West	NER/D/NW396	Lekwa Teemane Local Municipality
71	North West	NER/D/NW403	City of Matlosana
72	North West	NER/D/NW404	Maquassi Hills Local Municipality
73	North West	NER/D/NW405	JB Marks Local Municipality

LICENCED PRIVATE DISTRIBUTORS

No	Licence No	Distributor	Town/City
1	NER/D/AECI	AECI Modderfontein*	<u>NITRATES</u>
2	NER/D/MEEC	Mpumalanga Economic Growth Agency	<u>NELSPRUIT</u>
3	NER/D/NPB	National Parks Board	<u>PRETORIA</u>
4	NER/D/SASOL	Sasol (Pty) Ltd	<u>SECUNDA</u>
5	NER/D/WRPD	West Rand Power Distributors	<u>KRUGERSDORP NORTH</u>

ESKOM

Licence No	Licensee
NER/D/ESK	Eskom Holding (Pty) Ltd