

Terms of Reference (ToR):

Appointment of a Consultant(s) to Produce Analysis Report and Industry Position Paper on the Draft Integrated Resource Plan (IRP 2024).

1. Organisational Background

The Global Wind Energy Council (GWEC) is the international trade association representing the wind power industry worldwide. As a member-based organisation with over 1,500 members in more than 80 countries, GWEC's membership has installed over 70% of the world's total wind capacity. GWEC's mission is to establish wind energy as a cornerstone of the global clean energy transition and the path to Net Zero emissions. To accomplish this, GWEC advocates for better policy environment at the highest international levels, removing obstacles to industry growth and scaling wind power deployment in a sustainable and equitable way.

The South African Wind Energy Association (SAWEA) is a non-profit industry association that represents the united voice of wind energy by actively advocating for the advancement of sustainable energy practices and policies in South Africa. With over 100 members, SAWEA has been actively involved in the renewable energy sector in South Africa for the past thirteen years, advocating for the development and implementation of clean energy solutions that align with global climate objectives. The organisation consistently engages with stakeholders, both locally and internationally, to promote the adoption of renewable energy technologies and to address the challenges associated with Climate Change.

Guided by common vision for wind energy, GWEC and SAWEA collaborate to implement frameworks to identify new wind energy markets and advance existing ones; unlock barriers hindering accelerated adoption of wind energy technology; and increase the percentage of wind energy in global, regional, and local power systems.

2. Context

South Africa is committed to transitioning towards a low-carbon energy future, with a strategic focus on expanding its renewable energy capacity to meet growing electricity demand while addressing environmental and socio-economic challenges. As part of this commitment, wind energy plays a pivotal role in the country's energy mix, offering significant potential for sustainable power generation, job creation, and economic development.

In addition to contributing to policy certainty for the energy industry in South Africa, the IRP also serves as basis for Section 34 (1) Ministerial Determinations in the Electricity Regulation Act for the procurement of new generation capacity, mainly through the Renewable Energy Independent Power Producers Procurement Programme (REIPPPP). Over the years, the interface between the IRP and REIPPPP has been central to the delivery of wind energy into the transmission grid, contributing to both the country's security of electricity supply and energy mix through 3,354 MW of contracted wind energy capacity procured through REIPPPP.

In January 2024, the Department of Mineral Resources and Energy (DMRE) published the draft IRP 2023 for public comments. This draft, which the wind energy industry rejected, was characterised by lack of clarity on several issues and regressive capacity allocation.

Following the public consultation process on the draft 2023 IRP, the Department subsequently held a series of targeted stakeholder engagement workshops to present the newly revised assumptions, and the resulting technical capacity allocation scenarios based on substantive comments received.

Based on the revised assumptions and inputs, the DMRE's presentation indicate capacity allocation of between 69 to 76 GW for wind energy technology across different modelling scenarios. Considering subsequent due consultations and policy adjustment, wind energy technology is expected to play a leading role in the final version IRP 2024.



While these initial indications are encouraging for the wind energy industry, successful and efficient roll-out of wind energy capacity is contingent on addressing a wide range of structural challenges and other risks, including on grid access and integration; financing; procurement; permitting; and policy alignment.

Given this context, GWEC and SAWEA seek to appoint a consultant to produce an analysis report and develop industry position paper on enabling the successful roll-out of wind energy capacity in line with draft IRP 2024.

3. Objectives of the Analysis Report and Industry Position Paper

The primary objectives of the analysis report and industry position paper are:

- To provide thorough analysis of draft IRP 2024 and highlight implications for the wind energy industry market; potential implementation challenges and risks; and recommendations on enabling the roll-out of wind energy capacity in line with draft IRP 2024.
- To consolidate industry inputs to inform a common industry position on the roll-out of wind energy capacity as provided for in the draft IRP.
- To provide basis for the wind energy industry thought leadership on advocating and lobbying for enabling frameworks for the roll-out of wind energy capacity in line with draft IRP.

4. Scope of Work

The scope of this assignment will be undertaken on staggered basis and is divided between the Initial Scope (Scope I) and Optional Scope (Scope II).

Consultants responding to this *Request to Bid* are requested to make clear distinction between Scope I and Scope II when quoting for this assignment.

The following tasks constitute Initial Scope (Scope I) of the assignment:

- 4.1. Review and analysis of the draft Integrated Resource Plan (IRP) 2024.

Undertake a comprehensive review and analysis of the draft IRP. This review shall focus on analysis of outlined scenarios and allocated capacity for wind energy technology. Based on the review and analysis, provide an assessment of implications on the development of the wind energy market in South Africa in the short-to medium term and medium-to long term horizons.

- 4.2. Identify structural challenges and other risks

Following the analysis, the appointed consultant shall identify, outline, and contextualize structural challenges and risks that could potentially impede the roll-out of wind energy capacity, including but not limited to misalignment between policy, regulatory, and other supporting frameworks; financing of wind energy projects; wind energy procurement, grid access and integration; and project implementation challenges.

- 4.3. Develop Recommendations

Propose actionable recommendations for addressing structural challenges and other risks that could potentially impede the roll-out of wind energy capacity in line with the draft IRP to, as part of Scope II, form as basis for industry consultation towards the development of industry position on draft IRP.

The following tasks constitute Optional Scope (Scope II) of the assignment:

4.4. Undertake industry consultations

The appointed consultant will be required to undertake three (3) industry consultations in collaboration with GWEC and SAWEA to present recommendations stemming from the analysis report; consolidate industry inputs; and incorporate inputs to guide the development of industry position on the roll-out IRP.

4.5. Draft and finalize industry Position Paper

Produce a draft position paper for review by GWEC and SAWEA. Following this review, the consultant will incorporate GWEC and SAWEA's inputs and produce a final version of industry position paper.

4.6. Present final industry position paper

The appointed consultant shall participate in a GWEC and SAWEA organised in-person workshop to present final Industry Position Paper on draft IRP.

5. Deliverable Schedule

The appointed consultant will be expected to meet the following deliverables:

5.1. Initial Scope (Scope I)

Deliverable	Timeline
Inception Report - an outline of the methodology, work plan, and timeline for the assignment.	3 days after the inception meeting.
Deliver draft Analysis Report that includes: <ul style="list-style-type: none">• Analysis of IRP provisions and implications for the wind energy industry.• Elaboration and contextualisation of structural challenges and other risks that may impede the implementation wind energy projects in line with the IRP.• Recommendations on enabling the roll-out of wind energy capacity as provided for the IRP.	5 weeks after the signing of contract.
Present draft Analysis Report to GWEC & SAWEA.	6 weeks after signing of contract.
Final Analysis Report incorporating GWEC & SAWEA inputs.	7 weeks after signing of contract.

5.2. Optional Scope

The Optional Scope may be activated upon successful completion of Initial Scope (Scope I) and confirmation of additional budget; GWEC and SAWEA retain full prerogative in this regard.

As indicative timelines, it is foreseen that the Optional Scope will be implemented between June and August 2025.

Deliverable	Indicative Timeline
Undertake three (03) industry consultations on recommendations of the Analysis Report.	To be determined upon activation of Scope II



Produce draft Industry Position Paper on IRP based on analysis report and consolidated industry inputs.	4 weeks after activation of Scope II
Incorporate inputs and submit final industry Position Paper on IRP to GWEC & SAWEA.	6 weeks after activation of Scope II
Participate in GWEC and SAWEA organised in-person workshop to present final Position Paper on IRP.	To be determined upon activation of Scope II

6. Consultant Expertise and Qualifications

The ideal consultant should possess and demonstrate the following:

- Master's degree in engineering, Economics, or a related field.
- 10 Years experience in power sector reforms, renewable energy, energy policy or related areas.
- Proven 7 years' experience in conducting research and/ or drafting high-quality reports/position papers.
- Strong knowledge of South African wind energy industry.
- Excellent analytical, writing, and communication skills.

7. Reporting and Coordination

The consultant will report to GWEC and SAWEA, which will provide overall guidance and oversight throughout the assignment.

The successful consultant shall be required to attend weekly virtual steering meetings to report on progress and receive feedback for incorporation.

8. Payment Terms

Payment for this assignment is linked to delivery and acceptance of deliverables as per deliverable schedule. For Scope I, the following payment schedule will apply:

Deliverable	Payment (%)
Delivery of Inception Report - an outline of the methodology, work plan, and timeline for the assignment.	<i>30 % of total contract value</i>
Delivery of draft Analysis Report that includes: <ul style="list-style-type: none"> • Analysis of IRP provisions and implications for the wind energy industry. • Elaboration and contextualisation of structural challenges and other risks that may impede the implementation wind energy projects in line with the IRP. • Recommendations on enabling the roll-out of wind energy capacity as provided for the IRP. 	<i>50 % of total contract value</i>
Delivery of final Analysis Report incorporating GWEC & SAWEA inputs.	<i>20 % of total contract value</i>

Payment schedule for Optional Scope to be provided following activation of Scope II.

9. Time for Process



10. Application Process

This is an open procurement process. Potential consultants are invited to submit the following **by 7 April 2025**:

- Completed basic information form (attached below as Annexure A).
- A brief proposal (max. 4 pages, excluding Annexure A) outlining their approach to the assignment in line with the outlined scope of work, including methodology, timeline, and steering.
- CV(s) highlighting relevant experience and expertise of project lead.
- At least three reference projects of similar work previously conducted.
- A financial proposal detailing the consultancy fee breakdown capturing the duration of service per deliverable in line with deliverable schedule.

Applications should be submitted to Clifford Rikhotso: clifford.rikhotso@gwec.net ; and CC Vuyokazi Dube: vuyokazi@sawea.co.za , with reference: *Enabling the roll-out of wind energy capacity*.

Annexure A

The following basic information template must be filled and attached as cover page of the *Bid Proposal*.

Name of Company	
Registration number	
VAT registration number	
Nature of business entity	<input type="checkbox"/> Partnership/Joint Venture / Consortium <input type="checkbox"/> One person business/sole proprietor <input type="checkbox"/> Close corporation <input type="checkbox"/> Public company (Limited) <input type="checkbox"/> Private company (Pty) Limited <input type="checkbox"/> Other _____
Principal business activities	
Years in business	
Contact person	
Telephone number	
Cell number	
E-mail address	
Postal address	
Physical address	