

INVITATION FOR BIDS

Consultancy Services for developing an African position of Green Hydrogen

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Country: Ethiopia

Description of procurement:

Green hydrogen is touted to be the fuel that will help the world to decarbonise all sectors of the economy to fulfil the Paris Agreement targets and achieve net zero emissions by 2050. The ease of transporting and piping green hydrogen makes it easy to use in decarbonising sectors that have hitherto been difficult to find green and cost-effective alternatives. Various countries and regions, such as the European Union have developed strategies for scaling up production of green hydrogen towards this end. Production of green hydrogen relies on huge amounts of renewable energy resources of which Africa is well endowed. The idea that green hydrogen could be produced in Africa using its vast renewable energy resources and exported to other parts of the world to support the decarbonisation of their industries has emerged in some reports, studies, research and discussions. In view of the possible implications such a move would have on Africa, it is necessary to carry out detailed analysis of the likely technical, economic, social and political impacts and produce a common African position to guide policy and strategy development on the continent. In this regard, the African Union Commission (AUC) wishes to engage consultancy services to carry out a study to undertake extensive consultations and conduct detailed analysis on how Africa should handle the production and trade in green hydrogen. The assignment is expected to further develop an African position on green hydrogen as well as prepare recommendations on how to develop policy and strategy for the AU Member States, the Regional Economic Communities and the AUC

Scope of Work:

The Consultant will be required to:

1. Extensive review of available studies on green hydrogen particularly those focusing on Africa including, but not limited to:
 - a. A hydrogen strategy for a climate neutral Europe.
 - b. Green Hydrogen: Bridging the energy transition in Africa and Europe;
 - c. The Future of Hydrogen.
2. Hold extensive consultations for political and technical perspectives with a broad range of multi-sectoral African stakeholders including governments, public, private, civil society, academia and think tanks including diaspora groups. Other important stakeholders include, but not limited to Regional Economic Communities (RECs) and their specialised agencies, and pan African institutions such as the African Union Development Agency (AUDA-NEPAD), African Development Bank (AfDB), United Nations Economic Commission for Africa (UNECA), etc

3. Highlight the main concerns and ideas gathered from the desk review of reports and consultations.
4. Carryout PESTLE and SWOT analysis based on the data and information gathered.
5. Clearly outline the technical, economic, social and political opportunities as well as disadvantages that development of green hydrogen provide to Africa, including their regional spread where possible.
6. Make recommendations for maximising on the opportunities and addressing the concerns and challenges. The recommendations should include a strategic continental approach of implementing the recommended steps including how a green hydrogen programme for Africa aligns with existing AU priorities and key policy and strategic instruments including, but not limited to: AU Agenda 2063, Programme for Infrastructure Development in Africa (PIDA), Africa Climate Change Strategy, Africa Energy Transition Programme (AETP), and UN 2030 Agenda.
7. Articulate a succinct African position touching on all the relevant aspects on the development of green hydrogen.

Qualification Criteria:

The consultant shall have the following competencies:

- i) A minimum of master's degree in related disciplines such as economics, political science, international development, engineering, etc, and at least ten (10) years' experience in policy and strategy analysis in the energy sector.
- ii) Experience in renewable energy and Climate Change and the related international processes, and an understanding of their geopolitical nuances.
- iii) Excellent analytical and reporting skills.
- iv) Fluency in written and spoken English. Knowledge of another AU language will be an added advantage.

For more information, please email to info@tenderingprojects.es