**ANNEXURE A**

**Request for Information (RFI) – Information Template**

Respondents are required to, as a minimum, fill in information in Section A1 and A2, and to provide concise responses as far as possible in Section A3 under each relevant sub-section. Respondents are encouraged to keep their responses as short as possible, noting the recommended length for each sub-section. Any additional information that does not fall into these categories can be provided under sub-section 8 ‘Additional Information’, of Section A3. Further supporting information, such as maps, diagrams, permitting documentation, financial models, letters of support etc., can be provided as additional documentation appended to this submission.

**Please submit the response in this template and as a Microsoft Word file and do not modify the headings. Any section where information is not applicable or available should be included but left blank.**

In the case of Financial Mechanisms/Instruments, respondents are required to fill out sub-section 7 of Section A3.

# **SECTION A1** – Contact information (compulsory)

|  |  |
| --- | --- |
| **Representative contact details** | **Respondent input** |
| Name of representative(s) of the company/consortium |  |
| Contact number of representative(s) |  |
| Email address of representative(s) |  |

# **SECTION A2** – Project summary (compulsory)

|  |  |
| --- | --- |
| **Project summary information** | **Respondent input** |
| 1. Name of company/consortium |  |
| 1. Type of project (e.g. green hydrogen production, transport, financial instrument, etc.) |  |
| 1. Project size / scale (e.g. hydrogen throughput, renewable energy usage, electrolyser scale, or similar) |  |
| 1. Project technology |  |
| 1. Green or grey hydrogen application (grey hydrogen should have an associated transition plan to green) |  |
| 1. Estimated total project investment amount and indicative funding requested under the KfW programme (ZAR) |  |
| 1. Estimate of avoided CO2-equivalent emissions per annum achieved by the project |  |
| 1. Short description of project feasibility status (e.g. pre-feasibility study complete, relevant permitting obtained thus far) |  |
| 1. Target financial close date |  |

# **SECTION A3** – Detailed information request

Respondents are to provide information as far as possible under each of the sub-subsection below, noting the recommended length of response for each sub-section.

1. **Project description (3-5 pages)**
   1. **Description of the domestic or international company or consortium that is submitting the proposal.**

[Insert information]

* 1. **Brief description of proposed project solution:**

[Insert information]

* + 1. **The volume of green hydrogen produced, consumed, exported and the type of products and by-products that are planned to be commercialised**

[Insert information]

* + 1. **Target markets**

[Insert information]

* + 1. **The technology to be deployed**

[Insert information]

* + 1. **The processes and technologies considered for energy supply, including a detailed description of the origin of the power and chain of supply to the project.**

[Insert information]

* + 1. **The processes and technologies considered for water supply, including a detailed description of the water source and chain of supply to the project.**

[Insert information]

* 1. **Description of the proposed project site/s.**

[Insert information]

1. **Technical Description (3-5 pages)**
   1. **The technology to be deployed and the extent to which it has been commercially implemented (including provision of project reference sites, Original Equipment Manufacturer (OEM) guarantees, Technology Readiness Level assessments or similar if available – which can be provided as appendices to the submission).**

[Insert information]

* 1. **Key technical assumptions underlying the production (or consumption) forecasts such as conversion efficiency, capacity factor, renewable energy capacity required and so forth.**

[Insert information]

* 1. **Where available provide names and relevant project references for the likely:** 
     1. **Engineering Procurement and Construction (EPC) contractors**

[Insert information]

* + 1. **Operations and Maintenance (O&M) providers**

[Insert information]

* + 1. **Key technology providers or OEMs**

[Insert information]

* + 1. **Technical advisers**

[Insert information]

* 1. **In the case of a project for the transition of fossil-fuel based processes to green hydrogen a description of the technology and process changes required and the timeframes and milestones (required to be within a three to five years period) for the transition from current fuel sources.**

[Insert information]

1. **Financial viability (2-4 pages)**
   1. **Estimated total project investment amount and indicative funding requested under the KfW programme.**

[Insert information]

* 1. **Indicative financing structure (sources and uses of funds) and the extent to which the project can leverage the concessional finance provided by KfW to source additional funding.**

**Note**: *The KfW finance is envisaged as concessional debt the nature of which will be decided by KfW. However, interested parties can suggest preferred methods of support suitable for their project (such as concessional interest rates, loan or equity guarantees, performance guarantees, repayment grace periods and so forth).*

[Insert information]

* 1. **Financial standing of project partners – where possible providing an indication of ability to provide the required sponsor equity to the project.**

[Insert information]

* 1. **The intended business model and indicative financial model for the project (including NPV, IRR, and cashflow profile) and an indication of envisaged drawdown profile of KfW funds.**

[Insert information]

* + 1. **Where available provide the financial model in a separate Excel spreadsheet.**
  1. **Description of access to funding, outside of the KfW funding, if any – where possible provide letters of interest or term sheets from other grant, debt or equity financing sources. In the case of public sector projects provide an indication of sources of capital and operating costs.**

[Insert information]

* 1. **Description of the project off-takers (or suppliers where appropriate) of the hydrogen, including letters of interest, term sheets (from buyers or suppliers), market studies or other market development or supply chain development activities, and demonstration of competitor analysis and relative competitive advantage.**

[Insert information]

* 1. **Description of current financial hurdles preventing project implementation.**

[Insert information]

1. **Environmental impact (2-3 pages)**

**Note:** *where possible provide evidence for greenhouse gas (GHG) reduction estimates such as approved methodologies from a carbon crediting or reporting standard or own calculations using recognised emission factors. In the absence of a credible GHG reduction estimate provide the scale of renewable energy to be used by the project.*

* 1. **Brownfields projects: estimate of avoided CO2-equivalent (CO2e) emissions achieved by the project relative to a current operational baseline.**

[Insert information]

* 1. **Greenfields projects: estimate of avoided CO2e emissions achieved by the project relative to the use of mainstream technologies.**

[Insert information]

* 1. **Outline the future expansion strategy including the potential for expansion of the project or investment being considered. Explain if the project or technology can be replicated and the potential role of the project in building a hydrogen ecosystem in South Africa.**

[Insert information]

* 1. **Description of ancillary positive or negative environmental and social impacts of the project (such as but not limited to, air pollution, water consumption, use of scarce natural resources, land acquisition, impacts on livelihoods, impacts on biodiversity etc.). Description of the approach to assess, prevent and remediate to any potential environmental and social impacts such as studies, management tools etc. to be used at the different stages of the project development, preparation, construction and operation. This should also encompass public consultation and stakeholder engagement strategies. Where possible provide Environmental Impact Assessments (EIAs) or environmental specialist studies conducted as appendices.**

[Insert information]

1. **Development status (2-3 pages)**
   1. **The extent to which scoping and/or pre-feasibility studies have been completed. Provide studies as appendices where applicable.**

[Insert information]

* 1. **Proposed phases for the development and implementation of the project, specifying the corresponding schedule until the start of the productive operations including timeline to financial close. Identify any long-lead regulatory, commercial or technical items.**

[Insert information]

* 1. **The extent to which relevant permits and licenses have been obtained (environmental, pipelines, servitudes, and so forth) and which are still required.**

[Insert information]

1. **Social impact (2-3 pages)**
   1. **Description of job creation over the project construction and operation periods, including an overview of the representation of women and historically disadvantaged individuals.**

[Insert information]

* 1. **BB-BEE[[1]](#footnote-2) scorecard for project sponsor or key members of consortium.**

[Insert information]

* 1. **Other evidence of transformative impact can be provided where relevant. This could include such items as:**
     1. **Skills development**
     2. **Description of consultation processes with local stakeholders**
     3. **Localisation potential of the project/project components.**

[Insert information]

1. **Financial Mechanism Submissions (4-5 pages)**

**Note:** *In the instance of a submission by an interested party of a financial instrument or mechanism much of the above information is not likely to be applicable. As a minimum such submissions should provide the following information:*

* 1. **Description of the sponsor organisation or consortium structure, including key legal and technical advisers.**

[Insert information]

* 1. **Nature of the financial instruments proposed and the role of concessional finance in its establishment.**

[Insert information]

* 1. **The market barrier being addressed.**

[Insert information]

* 1. **The envisaged scale of the instrument including funding requested under the KfW programme.**

[Insert information]

* 1. **Financing structure and amounts and envisaged sources of additional funding required. Evidence of any support to be provided in the form of letters of interest, term sheets or similar.**

[Insert information]

* 1. **Market assessments carried out and the project pipeline under consideration for investment, including an estimate of the likelihood of achieving target scale and time-period for same.**

[Insert information]

* 1. **Timeline and key milestones to establishment including major regulatory requirements and an indication of the envisaged timeframe for drawdown of KfW funds (indicative target date of end-2023 for disbursement of funds).**

[Insert information]

* 1. **Sponsor track record in similar funding structures.**

[Insert information]

1. **Additional Information** 
   1. **Any additional information in support of the programme objectives.**

[Insert information]

1. Broad-based Black Economic Empowerment and relevant Codes of Good Practice as issued under the BBBEE Act for a particular sector of the economy, see: <http://www.thedtic.gov.za/financial-and-non-financial-support/b-bbee/b-bbee-codes-b-bbee-acts-strategies-policies/> [↑](#footnote-ref-2)