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**Department of Public Works and Infrastructure supported by:  
Government Technical Advisory Centre**

**REQUEST FOR INFORMATION**

**INTEGRATED RENEWABLE ENERGY AND RESOURCE EFFICIENCY PROGRAMME**

**Annexure B – RFI Questionnaire**

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## **GLOSSARY**

In this Annexure B (*RFI Questionnaire*) except as otherwise defined herein and except where the context requires otherwise, words and expressions which are defined in the RFI shall have the same meanings when used in this Annexure B (*RFI Questionnaire*).

### **1. THE PURPOSE OF THIS ANNEXURE B (*RFI QUESTIONNAIRE*)**

- 1.1 The purpose of this Annexure B (*RFI Questionnaire*) is to enable the Respondents, to provide their Responses to the RFI.
- 1.2 The Responses to the Response Forms must be submitted as requested and provided for in the response forms contained Annexure C (*Response Forms*).
- 1.3 In order to respond to this RFI, Respondents do not need to be fully constituted and be comprised of various members of a consortium, joint venture or partnership, and can consist of a single entity.
- 1.4 The RFI Questionnaire has been structured under the following headings:
  - 1.4.1.1 Annexure B1 - Legal RFI Questionnaire;
  - 1.4.1.2 Annexure B2 – Finance RFI Questionnaire;
  - 1.4.1.3 Annexure B3 - Technical RFI Questionnaire; and
  - 1.4.1.4 Annexure B4 – Economic Development RFI Questionnaire.

## **ANNEXURE B1 – LEGAL RFI QUESTIONNAIRE**

### **1. Respondent Contact Person Details**

Respondents are requested to provide the following information:

- 1.1 the name of the Respondent;
- 1.2 the physical address, postal address, email address, and telephone number of the Respondent; and
- 1.3 name and contact details of the contact person for the Respondent for purposes of this RFI. The contact details are to include the physical address, postal address, e-mail address, and telephone numbers of that person.

### **2. Respondent Information**

- 2.1 The Department intends to collate the details of the Respondents into a database that may or may not be shared with interested parties seeking to identify companies to partner with in undertaking the Programme.
- 2.2 Respondents seeking to participate in the Programme, are requested to provide the following information:
  - 2.2.1 a list of the names of all the members in the Respondent as well as the their anticipated role in the Programme for purposes of the RFP process and/or the Programme, which are anticipated to include:
    - 2.2.1.1 prospective Bidders;
    - 2.2.1.2 prospective sponsors. In this regard, please indicate the sector in which the prospective sponsor is in;
    - 2.2.1.3 prospective Lenders;
    - 2.2.1.4 prospective local manufacturers. In this regard, please indicate the products currently being manufactured by the local manufacturer;
    - 2.2.1.5 prospective suppliers. In this regard, please indicate the good and/or services currently being provided by the suppliers;
    - 2.2.1.6 prospective advisors; and

2.2.1.7 any other interested parties seeking to participate in the Programme,

in this regard, Respondents must note that they are not required to constitute consortia with all of the above members present and it would be acceptable to the Department for the above members to respond to the RFI in their individual capacities;

2.2.2 the physical address, postal address, email address, and telephone number of each of the members; and

2.2.3 an indication of whether the names and contact details of the members and the Respondents can be included in a database to be compiled by the Department for purposes of the RFP process.

### 3. **Specific Information and Responses Requested**

3.1 In responding to these questions, Respondents are encouraged review section 4 (*Background*), section 5 (*Purpose of the RFI*) and section 7 (*Programme Description*) of the RFI.

3.2 Respondents are requested to respond to the following questions, whether there is anything in their opinion which would:

3.2.1 frustrate the assumption of the risk entailed in the implementation of the Projects in a PPP framework;

3.2.2 frustrate the commercial interest of a Respondent's market participation in the Projects;

3.2.3 affect the bankability of the Projects being undertaken as PPPs or restrict the Respondent's ability to raise funding for the Projects; or

3.2.4 limit the creation of value for money.

3.3 Respondents are requested to provide their views on the Elements comprising a single Project and the intention of the Department to procure these Elements from a single Private Party (containing all of the providers of the different Elements in a single consortium) for a Project.

3.4 Respondents are requested to indicate whether there are any other aspects of

the Programme that, in the Respondent's opinion, would enhance the Programme which need to be addressed by the Department in its further development of the RFP.

## **ANNEXURE B2 – FINANCE RFI QUESTIONNAIRE**

### **1. General Finance**

This section is for potential sponsors and equity participants; and is aimed at soliciting responses related to capital raising, bankability and financial track record. The total estimated Programme is twenty (20) Project Facilities considered in this initial phase is in the region of R6 billion – R8 billion, which should be noted by potential sponsors and equity participants. The below questions are intended to indicate the extent of fundraising experience of the potential sponsors.

- 1.1 Respondents are requested to respond to the following questions. Please indicate:
- 1.1.1 the extent of money raised from external funders;
  - 1.1.2 the value of money raised in the last seven (7) years;
  - 1.1.3 whether you anticipate that your organisation will require external funding for this Programme;
  - 1.1.4 whether, in the opinion of the Respondent, there are any barriers to bidding for and implementing the Programme;
  - 1.1.5 which Lenders the Respondent has already canvassed, if any;
  - 1.1.6 whether the Respondent will require a financial model; and
  - 1.1.7 whether there is a need to create of a support mechanism to fund participants.
- 1.2 Respondents who are Lenders are requested to express a view on whether there is interest from such Lender to participate in the Programme through a support mechanism to fund Bidders?
- 1.3 The Department seeks to base part of its evaluation of bids received during the RFP stage of the Programme on savings against a baseline of costs. Are there any further considerations that the Respondent thinks would be pertinent to the Programme?

### **2. The Fund**

- 2.1 The Department is considering structuring a fund to provide equity and debt to participants in the Programme. The Fund would in addition provide reimbursable technical assistance to Preferred Bidders in the Programme for the purposes of undertaking investment grade audits.

- 2.2 This section is for potential providers of capital including commercial banks, pension funds, asset managers and development finance institutions and is aimed at soliciting responses related to appetite, bankability and financial structuring. As above, the total estimated Programme size for twenty (20) Project Facilities considered in this initial phase is in the region of R6 billion – R8 billion.
- 2.3 Respondents are requested to indicate:
- 2.3.1 the extent of their appetite to invest in the Fund;
  - 2.3.2 their preference to fund individual Projects or provide capital to a facility such as the Fund;
  - 2.3.1 it is the intention of the Department to have the budgets of the User Departments ring-fenced into the trading entity for the Programme, which budget will be utilised for purposes of paying Unitary Payments to the Private Parties. In this regard, the Respondents are requested to comment on this mechanism and advise on whether this will be an adequate mechanism for bankability purposes?
  - 2.3.2 whether it would prefer to provide funding for equity, debt or technical assistance; and
  - 2.3.3 the ticket size, tenor and funding rate can be expected to be provided.
- 2.4 Respondents should also note that there is no intention to provide any additional Government support other than the payment of the Unitary Payment. Please provide comment on the bankability of this approach and provide any other funding options which can be explored for the Programme.



## **ANNEXURE B3 – TECHNICAL RFI QUESTIONNAIRE**

### **1. Specific Renewable Energy Information and Responses Requested**

- 1.1 The Respondent is requested to respond to the following:
- 1.1.1 has your organisation been involved in the development of renewable energy feasibility studies and implementation of projects? If so, please provide list of relevant projects;
  - 1.1.2 has your organisation implemented any Solar Thermal projects? If so, please provide list of relevant projects;
  - 1.1.3 has your organisation implemented any Solar PV rooftop/carport/ground-mounted projects? If so, please provide list of relevant projects;
  - 1.1.4 has your organisation implemented any BIPV projects? If so, please provide list of relevant projects;
  - 1.1.5 has your organisation implemented any Wind Energy projects? If so, please provide list of relevant projects;
  - 1.1.6 has your organisation implemented any Biomass/Biogas Energy projects? If so, please provide list of relevant projects;
  - 1.1.7 has your organisation implemented any other renewable energy projects? If so, please provide list of relevant projects;
  - 1.1.8 has your organisation implemented any Ocean Energy projects? If so, please provide list of relevant projects;
  - 1.1.9 has your organisation implemented any Energy Storage projects? If so, please provide list of relevant projects;
  - 1.1.10 has your organisation implemented any power purchase agreements? If so, please provide list of relevant projects. If so, please provide list of relevant projects;
  - 1.1.11 has your organisation implemented any Fuel Cell projects (hydrogen or other)? If so, please provide list of relevant projects;

- 1.1.12 would your organisation be interested in / able to fund the renewable energy project (based on a PPA model)? If so, please indicate the minimum and maximum project size in Rand; and
- 1.1.13 does your organisation provide any innovative renewable energy solutions which the Respondent would like to bring to the Department's attention? Please elaborate.
- 1.2 In instances where the Respondent has been requested to provide a list of relevant projects, Respondents should as a minimum indicate the name and size of the project.

## 2. **Specific Energy Efficiency Information and Responses Requested**

The Respondent is requested to provide responses to the following:

- 2.1 From the list provided in Annexure C (*Response Form*), please indicate how would you describe your firm? Please check all the descriptions that apply.
- 2.2 Approximately how many full-time equivalent employees does your firm employ?
- 2.3 What was your firm's approximate yearly revenue for 2018 and 2019?
- 2.4 From the list provided in Annexure C (*Response Form*), please indicate your firm's approximate level of revenue that comes from existing building Energy Efficiency service?
- 2.5 Has your firm been involved in an Energy Efficiency discrepancy (billing errors) that resulted in a reimbursement to the client? Is so, please provide at least three (3) reference projects that were completed in the last five (5) years.
- 2.6 Has your organisation implemented any other green building projects? If so, please provide list of relevant projects.
- 2.7 From the list provided in Annexure C (*Response Form*), please indicate what existing building Energy Efficiency services your firm provides? Please check all the descriptions that apply.
- 2.8 From the list provided in Annexure C (*Response Form*), please indicate what types of agreements your firm negotiates with owners and property managers

for existing building Energy Efficiency services? Please check all the descriptions that apply.

- 2.9 From the list provided in Annexure C (*Response Form*), please indicate what, in the opinion of the Respondent, is its most common obstacle(s) for securing contracts for existing building Energy Efficiency services?
- 2.10 Provide examples of verifiable projects where energy savings measures were implemented to optimise the total energy consumption and reduce maintenance costs. Expand on methods used and the quantum achieved based on the previous energy costs before implementation of the cost saving measures. Please list at least three (3) projects and cost savings results for at least two (2) consecutive years provided.
- 2.11 Does your organisation provide any innovative energy efficiency solutions which the Respondent would like to bring to the Department's attention? Please elaborate.
- 2.12 Provide evidence of studies that were performed, including technology evaluations, demand response and renewable program evaluations.

### 3. **Specific Water Efficiency Information and Responses Requested**

The Respondent is requested to provide responses to the questions below.

- 3.1 Has your organisation ever been involved in a water savings intervention? If yes please elaborate.
- 3.2 Has your organisation been involved in a Water Efficiency discrepancy (billing errors) that resulted in a reimbursement to the client? If yes, please elaborate.
- 3.3 Has your organisation been involved in projects where digital smart type water meters were used for remote monitoring and billing? If yes, please elaborate.
- 3.4 Has your organisation been involved in projects where digital flowmeters were used to optimise water consumption? If yes, please elaborate.
- 3.5 Has your organisation been involved in projects where leak detection was used on new and existing wet services infrastructure? If yes, please elaborate.

- 3.6 Has your organisation been involved in projects where "Geysewise" or similar smart controllers were implemented to manage geyser energy usage? If yes, please elaborate.
- 3.7 Has your organisation been involved in projects where temperature sensors were used to monitor and control hot water plants? If yes, please elaborate.
- 3.8 Has your organisation been involved in projects where resistive heating for hot water systems was replaced with alternative heating sources? If yes, please elaborate.
- 3.9 Does your organisation provide any innovative water efficiency solutions which the Respondent would like to bring to the Department's attention? Please elaborate.

#### **4. Specific Alternative Waste Management Information and Responses Requested**

- 4.1 The Respondent is requested to provide responses to the following:
- 4.1.1 Has your organisation been involved in establishing mechanisms and networks to disseminate information and create awareness on integrated solid waste management? If so, the Respondent is requested to indicate:
- 4.1.1.1 the number of programmes and feedback on value (what was the impact of the awareness programme); and
- 4.1.1.2 the interaction rate or the number of replies or comments over the awareness, sharing, etc.
- 4.1.2 Has your organisation been involved in any waste collection and waste recycling activities? If yes, please provide details (not longer than 30 words).
- 4.1.3 Has your organisation been involved in any waste recycling, characterisation and generation calculations? If so, the Respondent is requested to:

- 4.1.3.1 provide details of the waste recycling initiatives; and
- 4.1.3.2 provide any reports on the revenue generated from their recyclable waste.
- 4.1.4 Has your organisation conducted any waste management plans (WMPs) in the past 5 years? If yes, please indicate the number of WMPs developed and client details.
- 4.1.5 Please provide information on the processing technology for selected waste streams (builders' rubble, general household waste, green or residual waste). In your response, please indicate (please keep response limited to one page):
  - 4.1.5.1.1 types of waste technologies that have been used;
  - 4.1.5.1.2 processing technology;
  - 4.1.5.1.3 products;
  - 4.1.5.1.4 by-product;
  - 4.1.5.1.5 technology/Process environmental impact; and
  - 4.1.5.1.6 footprint of the technology/solution.
- 4.2 In respect of collection/ storage of waste:
  - 4.2.1 what type of collection/ storage model of each waste stream (maximizing waste diversion from landfill) can your organisation propose? In your response please also indicate the required waste quantities in tons per annum for each technology; and
  - 4.2.2 what type of technology can your organisation offer for the measurement of waste generation and/or recycling?
- 4.3 In respect of the facility or processing plant:
  - 4.3.1 has your organisation been involved in treatment technologies for waste and if so, elaborate on the technology and waste type applicable; and
  - 4.3.2 please indicate the size of operations for waste storage facilities where

you were involved in. Please choose between the following sizes of operations, namely:

- 4.3.2.1                   small: less than 25 tons per day;
- 4.3.2.2                   medium: larger than 25 tons per day, less than 100 tons per day  
and
- 4.3.2.3                   large: larger than 100 tons per day.
  
- 4.4            In respect of market analysis:
- 4.4.1                provide your market segmentation analysis (footprint); and
- 4.4.2                indicate whether your solution is accessible throughout South Africa.
  
- 4.5            Are there any job creation opportunities in your proposed solution?

**5. Specific Internet of Things or Building Management Systems Information and Responses Requested**

The Respondent is requested to provide responses to the following:

- 5.1            Does your organisation use any solutions, technologies, and/or software for the applications below, if so, which solutions are utilised?
  - 5.1.1                Building Management Systems;
  - 5.1.2                Advanced Metering Infrastructure; and/or
  - 5.1.3                Measurement & Verification.
  
- 5.2            Does your organisation utilise locally available software and technology solutions for the applications below? If so, which solutions?
  - 5.2.1                Building Management Systems;
  - 5.2.2                Advanced Metering Infrastructure; and/or
  - 5.2.3                Measurement & Verification.

5.3 Does the software or technology system utilised by your organisation for the application of Building Management Systems, Smart Metering, and Measurement & Verification have any of the following qualities:

5.3.1 Does it have and Application Programming Interface (API) to allow for integration with other software and technologies? If so, what type?

5.3.1.1 Open API; and/or

5.3.1.2 Internal API.

5.3.2 What type of communications and integration protocols and standards does the software or technology utilise?

5.3.2.1 REST;

5.3.2.2 SOAP;

5.3.2.3 Web Services; or

5.3.2.4 RPC.

5.4 Would your organisation be willing to partner with or utilise the services of Internet of Things or Building Management Systems service providers to assist with the implementation of Building Management Systems, Smart Meters, and Measurement & Verification?

## 6. **Specific Project Facility Bundling Information and Responses Requested**

6.1 Respondents are requested to indicate how, in the Respondents opinion, the Project Facilities chosen under the Programme should be bundled to obtain the most representative information from commercial, technical or geographical importance.

6.2 Respondents should indicate the viable minimal bundling size for:

6.2.1 Renewable Energy bundling sizes – 250kW, 500kW 1000kW or other;

6.2.2 Waste Management: waste generation:

6.2.2.1 less than 25 tons per day (small size operations);

6.2.2.2 larger than 25 tons per day, less than 100 tons per day (medium size operations);

6.2.2.3 larger than 100 tons per day (large size operations), or

6.2.2.4 other.

6.3 Respondents should provide reasons for their choice(s).

## 7. **Other Supplementary Information**

In addition to the above, Respondents are invited to submit any supplementary information, which they deem relevant to the information requested above or for purposes of developing the RFP.



## ANNEXURE B4 – ECONOMIC DEVELOPMENT RFI QUESTIONNAIRE

### 1. Regulatory Framework

1.1 The achievement of Department’s Economic Development objectives through the Programme will be a crucial indicator of the Programme’s success. The Department’s objectives are set out in clause 2 below.

1.2 The Department is in the process of developing a bespoke and detailed Economic Development Policy that will apply to the Programme. The development of the Economic Development Policy will be informed by the Department’s Economic Development objectives, the applicable regulatory framework and various policies and strategies that pertain to Government’s transformation objectives.

1.3 The applicable legislation, policies and strategies include, without limitation:

Legislation / Policy / Strategy	Salient Provisions
<b>Constitution of the Republic of South Africa (1996)</b>	<p>The Constitution of the Republic of South Africa is the supreme law that provides the legal foundation of the country.</p> <p>Section 217(1) requires organs of state or institutions, when procuring for goods and services, to do so in a system which is fair, equitable, transparent, competitive and cost-effective.</p> <p>Section 217(2) of the Constitution provides that organs of state are not prevented by the requirements of an open and competitive tender process from implementing procurement policies providing for categories of preference in the allocation of contracts and the protection or advancement of persons, or categories of persons disadvantaged by unfair discrimination.</p> <p>Section 217(3) of the Constitution further states that national legislation was to be enacted to prescribe a framework within which policies referred to in section 217(2) must be implemented.</p>
<b>Preferential Procurement Policy Framework Act (2000) (PPPFA)</b>	<p>The PPPFA provides a framework for the implementation of the procurement policy. The PPPFA requires an organ of state to determine its preferential procurement policy and implement it within framework which includes, but is not limited to, a preference point system and specific goals including, contracting with persons, or categories of persons, historically disadvantaged by unfair discrimination on the basis of race, gender or disability and implementing the programmes of the Reconstruction and Development Programme as published in Government Gazette No. 16085 dated 23 November 1994.</p>
<b>Preferential Procurement Regulations</b>	<p>The Department is cognisant that in November 2020 the Supreme Court of Appeal held that the Preferential Procurement Regulations, 2017 are inconsistent with the PPPFA and invalid. The declaration of invalidity was suspended for a period of 12 months, and it is therefore anticipated that during the procurement of Phase 1 of the Programme, new regulations will be enacted. These will be taken into once the regulations have been promulgated.</p>

Legislation / Policy / Strategy	Salient Provisions
<b>B-BBEE Act</b>	<p>The B-BBEE Act seeks to facilitate B-BBEE by, amongst other things, promoting economic transformation in order to enable meaningful participation of Black People in the economy, increasing the extent to which communities, workers, cooperatives and other collective enterprises own and manage existing and new enterprises and increasing their access to economic activities, infrastructure and skills training, increasing the extent to which Black Women own and manage existing and new enterprises, and increasing their access to the economic activities, infrastructure and skills training and empowering rural and local communities by enabling access to economic activities, land, infrastructure, ownership and skills.</p> <p>In terms of section 10(1) of the B-BBEE Act, every organ of state and public entity is required to take into account and, as far as is reasonably possible, apply any relevant code of good practice issued in terms of the B-BBEE Act when, <i>inter alia</i>, developing and implementing a preferential procurement policy and developing criteria for entering into partnerships with the private sector.</p>
<b>B-BBEE Codes</b>	<p>Section 9(1) of the B-BBEE Act states that for reasons of promoting the Act, the Minister may issue codes of good practice (“the B-BBEE Codes”).</p> <p>In 2013, the <b>dtic</b> released the amended B-BBEE Codes which came into effect in May 2015. The B-BBEE elements (ownership, management control, skills development, enterprise &amp; supplier development, and socio-economic development) will be applied as far as reasonably possible in the Programme.</p>
<b>Amended Construction Sector Code (2017)</b>	<p>The Amended Construction Sector Code is a Sector Code issued in terms of section 9(1) of the B-BBEE Codes. The Amended Construction Sector Code seeks to support the objectives of the B-BBEE Act and the National Development Plan.</p> <p>Strategic Objectives of the Amended Construction Sector Code include, but are not limited to, providing a framework for the Construction Sector to address B-BBEE, enhance the capacity of black contractors, black professionals, industry workers and the community and to increase the productivity of the sector to meet world best practice. The Amended Construction Sector Code will be applied as far as reasonably possible in the Programme.</p>
<b>Amended Property Sector Code (2017)</b>	<p>The Amended Property Sector Code is a Sector Code issued in terms of section 9(1) of the B-BBEE Codes. The Amended Property Sector Code supports the commitment of all the stakeholders within the property sector that strive for transformed property relations in South Africa and to promote a vibrant and growing property sector that reflects the South African nation.</p> <p>The Amended Property Sector Code will be applied as far as reasonably possible in the Programme.</p>
<b>National Industrial Policy Framework (2007) (NIPF)</b>	<p>The NIPF details Government's approach to ensure a restructuring of the economy to set it on a more value-adding, labour-intensive and environmentally sustainable growth path.</p> <p>The NIPF aims to provide strategic direction to the economy in respect of industrial development. This is to be done by providing greater clarity and certainty about investment decisions leading up to 2014 and beyond, and by providing a reference point for substantial improvements in intra-governmental coordination of the numerous sets of policies and projects that will form part of the NIPF.</p>
<b>National Industrial Participation</b>	<p>NIPP is a programme of the <b>dtic</b> launched in 1997 with an aim of using government procurement to leverage investment, exports and</p>

Legislation / Policy / Strategy	Salient Provisions
<b>Programme (2013) (NIPP)</b>	technology development. All government and state-owned company purchases or lease contracts (goods, equipment or services) with an imported content equal to or exceeding US\$10 million (or the equivalent thereof) are subject to the NIP obligation wherein the seller/supplier is required to participate in the development of the South African economy.
<b>New Growth Path published by the Department of Economic Development (2010) (NGP)</b>	<p>The NGP sets out Government's approach to creating decent jobs, reducing inequality, and defeating poverty. The NGP is government's strategy to build an inclusive economy; and, thus, create decent employment, sustainable livelihoods and eradicate poverty and income inequality.</p> <p>The NGP calls for an intense focus on broad based elements of the B-BBEE Codes, including ownership by communities and workers, increased skills development and career pathing for all working people and a new emphasis on procurement from local producers to support employment creation.</p> <p>The NGP identifies certain job drivers including:</p> <ul style="list-style-type: none"> <li>• substantial public investment in infrastructure both to create employment directly in construction, operation, and maintenance; and</li> <li>• targeting more labour-absorbing activities across the main economic sectors, which include manufacturing and services.</li> </ul> <p>The above are of relevance to the Programme.</p> <p>As part of the social dialogue on the NGP, several outcomes were derived, including the:</p> <ul style="list-style-type: none"> <li>• National Skills Accord;</li> <li>• Basic Education Accord;</li> <li>• Local Procurement Accord;</li> <li>• Green Economy Accord; and</li> <li>• Youth Employment Accord.</li> </ul> <p>The provisions of these have also been taken into account by the Department.</p>
<b>National Development Plan (2012) (NDP)</b>	<p>The National Development Plan</p> <ul style="list-style-type: none"> <li>• proposes the promotion of employment in labour-absorbing industries;</li> <li>• seeks to reduce the unemployment rate, which currently sits at about 34% to 6% (six per cent) by 2030;</li> <li>• seeks the leveraging of public procurement to promote localisation and industrial diversification; and</li> <li>• states that South Africa will have an energy sector that promotes economic growth and development through adequate investment in energy infrastructure and provide a reliable and efficient electricity service at competitive rates, while supporting economic growth through job creation.</li> </ul>
<b>Black Industrialists Policy (2015) (BIP)</b>	<p>The purpose of the BIP is to leverage Government's capacity to unlock the industrial potential that exists within black-owned and managed businesses that operate within the South African economy through deliberate, targeted, and well-defined financial and non-financial interventions as described in the IPAP and other government policies.</p> <p>The BIP therefore seeks to accelerate the participation of black industrialists in the national economy, selected industrial sectors and value chains, create multiple and diverse pathways and instruments for black industrialists to enter strategic and targeted</p>

Legislation / Policy / Strategy	Salient Provisions
	industrial sectors and value chain and encourage the leveraging of public procurement to support industrialisation.
<b>Green Building Policy (2018)</b>	<p>The Green Building Policy sets out the principles by which the Department will develop, maintain and operate its portfolio of buildings and reduce its impact on the environment. The Green Building Policy also aims for the Department's projects and programmes to be a catalyst for job creation and Youth development. Through the implementation of the Green Building Policy, the Department seeks to support:</p> <ul style="list-style-type: none"> <li>• sustainable development within South Africa;</li> <li>• job creation and the development of green jobs;</li> <li>• the development of improved working and living conditions; and</li> <li>• the development of cost-effective solutions and the efficient use of resources during the life of buildings.</li> </ul>
<b>Industrial Policy Action Plan (2018/19 – 2020/21) (IPAP)</b>	<p>The aim of IPAP is to identify existing economic growth constraints (within the existing legislative and policy framework) and provide solutions thereto, as well as opportunities that Government could capitalize upon.</p> <p>The objectives of IPAP include increased local manufacture, skills development, and job creation. IPAP recognizes green industries and electro-technical industries as sectoral focus areas for achieving these objectives.</p>
<b>Department of Public Works White Paper: Towards the 21st Century (1997)</b>	<p>The White Paper highlights how South Africa's broader socio-economic objectives will be met, in part through expanded investments in public works and dynamic changes in the Department's approach to public works programmes, property investments, property and facilities management and project management. The strategic objectives of the White Paper include, but are not limited to, socio-economic development, job creation, job creation, support for small, medium and micro-enterprises, cooperatives and non-governmental organisations, employment equity, enabling access by disabled people, protecting the environment and conserving energy.</p>
<b>Department of Public Works White Paper: Creating an Enabling Environment for Reconstruction, and Development in the Construction Industry, (1999)</b>	<p>This White Paper sets out government's vision for an enabling strategy aimed at enhanced delivery, greater stability, improved industry performance, value for money and the growth of the emerging sector. It is premised on increasing public sector demand and identifies the need for improved public sector capacity to manage the delivery process.</p> <p>The White Paper is also responds to broad social and economic objectives by requiring the development of the construction industry to respond to the social and economic imperatives such as sustainable economic growth and productivity of the sector, sustainable employment creation, affirmative action, the active promotion of small and micro enterprises.</p>

1.4 In developing the Economic Development objectives for the Programme, the Department took into account the above legislation, policies and strategies as well as some of socio-economic challenges facing South Africa, including:

1.4.1 high rate of unemployment in South Africa, particularly amongst Youth;

- 1.4.2 lack of education and skills development of South Africans;
- 1.4.3 lack of skilled workers;
- 1.4.4 high poverty levels;
- 1.4.5 high levels of inequality; and
- 1.4.6 lack of participation by historically disadvantaged citizens and marginalized regions, in the mainstream economy.

## 2. Economic Development Objectives

2.1.1 In light of the above, the Department intends to pursue the following Economic Development objectives in the Programme:

- 2.1.1.1 localisation through, *inter alia*, increased local manufacturing;
- 2.1.1.2 education and the development of skills;
- 2.1.1.3 job creation, with particular emphasis on the creation of Green Jobs;
- 2.1.1.4 increased participation in equity ownership by Citizens and Black People;
- 2.1.1.5 involvement of Black People in the management structures of enterprises;
- 2.1.1.6 fostering rural development and community involvement;
- 2.1.1.7 development of the different suppliers involved in the Programme and other beneficiary entities;
- 2.1.1.8 socio-economic development; and
- 2.1.1.9 participation by historically disadvantaged Citizens and marginalised regions in the mainstream of the industrial economy.

2.1.2 The above Economic Development objectives will be achieved through the following Economic Development elements:

- 2.1.2.1 Local Content, which requires the utilisation of South African resources in the development, completion and implementation of Projects under the Programme. It is imperative to the Department that enterprises participating in the Programme use materials and equipment that are sourced and/or manufactured from South Africa. In addition, to stimulating economic activity in the manufacturing sector, Local Content offers the added benefits of job creation, skills improvement and has a positive impact on the country's balance of payments;
- 2.1.2.2 Job Creation, which places emphasis on jobs for Citizens, Black People, Youth, Women, People living with Disabilities and those who reside in the areas in which the various Project will be situated;
- 2.1.2.3 Ownership, which requires the meaningful participation of historically disadvantaged Citizens and marginalised regions in the Ownership of enterprises;
- 2.1.2.4 Management Control, which seeks to encourage the participation of historically disadvantaged Citizens in the management of enterprises;
- 2.1.2.5 Skills Development, which seeks to ensure skills transfer and upskilling of existing Department staff and the staff of User Departments as well as skills development and income earning opportunities for Black People, Youth, Women and People living with Disabilities;
- 2.1.2.6 Enterprise and Supplier Development, which seeks to ensure that in the development, completion and implementation of Projects under the Programme, there is development of and the provision of opportunities for QSEs, EMEs and enterprises owned by Women and Black Designated Groups. This element will include the sub-elements Preferential Procurement, Enterprise Development and Supplier Development; and
- 2.1.2.7 Socio-Economic Development which aims to ensure that the Programme invests in the empowerment of people living in the communities surrounding the various Project Sites and that the

Programme has a positive socio-economic impact in communities in South Africa.

## 2.2 Economic Development Requirements of the Programme

### 2.2.1 Qualification Criteria

2.2.1.1 The Department intends to set the following qualification criteria during the RFP stage of the Programme:

Qualification Criteria	Description	Threshold
South African Entity Participation	Bidders will be required to demonstrate the extent to which Citizens participate in their Ownership.	70%
Ownership by Black People	Bidders will be required to demonstrate the extent to which Black People participate in their Ownership.	51%
Contributor Status Level	Bidders will be required to demonstrate the aggregate B-BBEE recognition level towards which each of the participants who are Citizens contribute.	Level 2

2.2.1.2 Only those Bidders, who can demonstrate compliance with the Economic Development qualification criteria, during the RFP stage, will be evaluated further.

### 2.2.2 Economic Development Scorecard

2.2.2.1 For purposes of the Programme, the Department intends to apply the following Economic Development Scorecard:

Code	Economic Development Element	Measurement Indicator	Weighting	Threshold	Target
<b>Local Content</b>					
ED-LC-101	Steel Power Pylons	Value of Local Content of Designated Sectors, Components and Products / Total Value of the Designated Sectors, Components and Products	40	100%	N/A
ED-LC-102	Monopole Pylons			100%	N/A
ED-LC-103	Steel Substation Structures			100%	N/A
ED-LC-104	Powerline Hardware			100%	N/A
ED-LC-105	Street Light Steel Poles			100%	N/A
ED-LC-106	Steel Lattice Towers			100%	N/A
ED-LC-107	Solar Water Heater Component			70%	N/A
ED-LC-108	Electrical and Telecom Cables			90%	N/A
ED-LC-109	Valves Products and Actuators			70%	N/A
ED-LC-110	Residential Electricity Meters				
ED-LC-110A	Prepaid Electricity Meters			70%	N/A
ED-LC-110B	Post Paid Electricity			70%	N/A
ED-LC-110C	SMART Meters			50%	N/A
ED-LC-111	Transformers and Shunt Reactors				
ED-LC-111A	Class 0			90%	N/A
ED-LC-111B	Class 1			70%	N/A
ED-LC-111C	Class 2			70%	N/A
ED-LC-111D	Class 3			45%	N/A
ED-LC-111E	Class 4			10%	N/A
ED-LC-111F	Components and conversion activities			50% - 100%	N/A
ED-LC-112	Solar PV Components				
ED-LC-112A	Laminated PV Modules	15%	N/A		
ED-LC-112B	Module Frame	65%	N/A		
ED-LC-112C	DC Combiner Boxes	65%	N/A		
ED-LC-112D	Mounting Structure	90%	N/A		
ED-LC-112E	Inverter	40%	N/A		
ED-LC-113	Wheely Bins	100%	N/A		
ED-LC-114	Steel Value-added Products				



Code	Economic Development Element	Measurement Indicator	Weighting	Threshold	Target
ED-LC-114A	Fabricated Structural Steel			100%	N/A
ED-LC-114B	Joining/Connecting Components			100%	N/A
ED-LC-114C	Frames			100%	N/A
ED-LC-114D	Roof and Cladding			100%	N/A
ED-LC-114E	Fasteners			100%	N/A
ED-LC-114F	Wire Products			100%	N/A
ED-LC-114G	Ducting and Structural pipework			100%	N/A
ED-LC-114H	Gutters, downpipes & lauders			100%	N/A
ED-LC-114I	Plates			100%	N/A
ED-LC-114J	Sheets			100%	N/A
ED-LC-114K	Galvanised and Colour Coated Coils			100%	N/A
ED-LC-114L	Wire Rod and Drawn Wire			100%	N/A
ED-LC-114M	Sections			100%	N/A
ED-LC-114N	Reinforcing bars			100%	N/A
ED-LC-115	Pumps, Medium Voltage (MV) Motor and Associated Accessories				
ED-LC-115A	Casting or Frame Fabrication			100%	N/A
ED-LC-115B	Fabrication and winding of the Rotor Core			100%	N/A
ED-LC-115C	Accessories			100%	N/A
ED-LC-115D	Assembly and testing of the fully built unit			100%	N/A
<b>Job Creation</b>					
ED-JC-201	Employees who are RSA citizens	No. of RSA Citizen employees / Total no. of employees	3	100%	N/A
ED-JC-201	Employees who are Black People	No. of Black People employed / Total no. employees	2	80%	85%
ED-JC-202	Employees who are Black People and skilled	No. of skilled Black People employed / Total no. of skilled employees	2	40%	50%

<b>Code</b>	<b>Economic Development Element</b>	<b>Measurement Indicator</b>	<b>Weighting</b>	<b>Threshold</b>	<b>Target</b>
ED-JC-203	Employees who are Black People and youth	No. of Black People employed who are youth / Total no. of employees	1	50%	60%
ED-JC-204	Employees who are Black People and women	No. of Black People employed who are women / Total no. of employees	1	40%	50%
ED-JC-205	Employees who are Black People and living with disabilities	No. of RSA based employees with disabilities / No. of employees	1	2%	5%
ED-JC-206	Employees who are RSA citizens and living in local communities (within the local or district municipality)	No. of RSA Citizen and local community employees / Total no. of employees	0	100%	N/A
<b>Ownership</b>					
ED-OW-301	Shareholding by Black People in the Project Company	Shareholding by Black People in the Project Company / Total Shareholding in the Project Company	5	51%	80%
<b>Management Control</b>					
ED-OW-401	Black People in Executive Management	No. of Black People in Executive Management / All People in Executive Management	2	60%	80%
ED-OW-402	Black People in Senior Management	No. of Black People in Senior Management / Total no. of People in Senior Management	1	60%	80%
ED-OW-403	Black People in Middle Management	No. of Black People in Middle Management / Total no. of People in Middle Management	1	75%	80%
ED-OW-404	Black People in Junior Management	No. of Black People in Junior Management / Total	1	88%	90%

Code	Economic Development Element	Measurement Indicator	Weighting	Threshold	Target
		no. of People in Junior Management			
<b>Skills Development</b>					
ED-SKD-501	Skills Development Expenditure on Learning Programmes specified in the Learning Programme Matrix for black people as a percentage of Leivable Amount	Value of contributions on Category A Learning Programmes / Total Salary Bill	2	4%	6%
ED-SKD-502	Number of Black People participating in Learnerships, Apprenticeships and Internships as a percentage of Total Employees	No. of Black People participating in Learnerships, Apprenticeships and Internships / Total Employees	4	2%	2.5%
ED-SKD-503	Number of Unemployed Black People participating in Learnerships, Apprenticeships and Internships as a percentage of Total Employees	No. of Unemployed Black People participating in Learnerships, Apprenticeships and Internships / Total Employees	4	2%	2.5%
ED-SKD-504	Number of Black People Absorbed	Number of Black People Absorbed at the end of the Learnerships, Apprenticeships, and Internships as a percentage	2	50%	100%
<b>Enterprise and Supplier Development</b>					
ED-ESD-601	Procurement from Local Suppliers with at least 51% Shareholding by RSA Citizens and a Level 2 B-BBEE Status Level	Value of Procurement Spend / Total Local Supplier Milestone Payment	5	70%	100%
ED-ESD-602	QSE and EME Procurement	Procurement Spend from all Empowering Suppliers that are QSEs or EMEs /	5	30%	50%

Code	Economic Development Element	Measurement Indicator	Weighting	Threshold	Target
		Local Supplier Milestone Payment			
ED-ESD-603	Procurement from at least 51% Black Owned Local Suppliers	Value of Procurement Spend / Total Local Supplier Milestone Payment	3	40%	60%
ED-ESD-604	Procurement from at least 51% Black Women owned Local Suppliers	Value of Procurement Spend / Total Local Supplier Milestone Payment	2	15%	20%
ED-ESD-605	Annual value of all Supplier Development Contributions made by the Measured Entity as a percentage of the target.	Contributions/Revenue	5	1%	2%
ED-ESD-606	Annual value of Enterprise Development Contributions and Sector Specific Programmes made by the Measured Entity as a percentage of the target.	Contributions/Revenue	5	0.5%	1%
<b>Socio-Economic Development</b>					
ED-SED-701	Annual value of all Socio-Economic Development Contributions by the Measured Entity as a percentage of the target	Contributions/Revenue	3	0.8%	0.8%
ED-SED-702	Contributions for the Development of Local Communities	Contributions/Revenue	3	0.2%	0.4%
<b>Total Weighting Points</b>			<b>100</b>		

### 3. Specific Economic Development Information and Responses Requested

- 3.1 Respondents are requested to indicate:
- 3.1.1 their views on the Qualification Criteria indicated in section 2.2.1 and whether these criteria are achievable;
  - 3.1.2 their views on the Economic Development Scorecard indicated in section 2.2.2 and whether these criteria are achievable;
  - 3.1.3 their B-BBEE Status Level;
  - 3.1.4 whether a particular Sector Code applies to the measurement of the Respondent and if so, provide details of the applicable Sector Code;
  - 3.1.5 whether they are measured as an EME, QSE or large enterprise, in terms of the B-BBEE Codes or relevant Sector Code;
  - 3.1.6 the designated sectors that apply to their day-to-day operations, if any;
  - 3.1.7 any other designated sectors that, in the opinion of the Respondent, would be relevant to the implementation of Projects under the Programme;
  - 3.1.8 whether there is anything or any prevailing conditions in the designated sectors that, in the opinion of the Respondent, would frustrate the achievement of the designated levels in respect of the above sectors;
  - 3.1.9 what challenges the Respondent foresees in relation to the participation of targeted groups (other than skills development challenges). Are there any strategies or interventions that, in the opinion of the Respondent, the Department may consider to mitigate these challenges; and
  - 3.1.10 whether, in the opinion of the Respondent, there are any Economic Development requirements or thresholds, as set out in section 2.2.2 above, that would present a challenge to achieve. Where Respondents identify challenges with the Economic Development requirements or thresholds, Respondents are also requested to explain the challenge presented and their reasons.

#### 4. **Specific Skills Development and Youth Empowerment Information and Responses Requested**

4.1 The Department seeks to ensure that in the development, completion and implementation of Projects under the Programme, there is development of and the provision of opportunities for:

4.1.1 skills transfer and upskilling of existing Department staff;

4.1.2 skills transfer and upskilling of User Department staff;

4.1.3 skills development and income earning for designated groups of people, including Black People, Youth, Women and People living with Disabilities; and

4.1.4 skills development for other specified target groups (e.g. trainees, military veterans and their families, offenders a part of rehabilitation programmes and so forth).

4.2 To the extent that skills development is considered critical to enable the participation of targeted groups, including existing Department and User Department staff, in Project activities and based on the knowledge and experience of the Respondent, please indicate:

4.2.1 what the Department may consider in relation to skills gaps that may need to be addressed prior to and during Project roll out;

4.2.2 what solutions already exist to address any inherent skills gaps and or challenges;

4.2.3 what strategies and approaches the Department may consider adopting for purposes of promoting skills development on the Programme?

4.3 Respondents are also requested to indicate:

4.3.1 the extent to which the Respondent applies or has applied a skills transfer or upskilling approach as part of project delivery (i.e. an overview of the experience that the Respondent has in relation to designing and delivering skills transfer and upskilling interventions;

- 4.3.2 the extent to which their company applies or has applied labour-intensive project delivery methods;
  - 4.3.3 any other interventions that the Respondent has implemented to contribute towards developing skills as a key enabler for socio-economic development;
  - 4.3.4 the capabilities that the organisation has to support the design and delivery of skills transfer interventions over the duration of a Project (the skills to be transferred will fall in the four (4) Elements);
  - 4.3.5 any other strategic resources or assets that may assist the Respondent in designing and delivering skills transfer interventions? Please indicate the nature of these resources; and
  - 4.3.6 any strategic partnerships in place that may assist the Respondent in designing and delivering skills transfer interventions (e.g. with Sector Education Training Authorities, public or private skills development providers including Technical Vocational Education and Training (TVET) colleges and so forth. Please indicate the nature of these strategic partnerships.
- 4.4 Respondents are also requested to indicate:
- 4.4.1 the extent of shareholding held by Black People who are Youth in the Respondent;
  - 4.4.2 the initiatives that the Respondent undertakes in relation to Youth empowerment and inclusion in its organisation;
  - 4.4.3 their track record in incorporating local labour on projects implemented i.e. specify for each project implemented over the last (5) financial years, the level of participation of local labour as a percentage of total labour participation. Please specify the extent to which the Respondent has incorporated designated groups of people, including Black People, Youth, Women and People living with Disabilities as part of local labour;
  - 4.4.4 the inclusive hiring practices or strategies employed by the Respondent over the last five (5) financial years to recruit Black People, Youth, Women and Black Designated Groups; and

4.4.5 the make-up of Respondent's current workforce (i.e. the percentage of current workforce that are Black People, Black Women, Youth, Women and Black Designated Groups).

## 5. Local Manufacturing

5.1 As indicated above, it is imperative to the Department that the Programme stimulate economic activity in the South African manufacturing industry. The Department also seeks to identify those sectors that can be supported through the Programme activities.

5.2 It is anticipated that in addition to the specific sectors designated for Local Content by the **dtic**, the Programme will involve utilisation of the following components or equipment:

No.	Description	Components/ Subcomponents
<b>Improvement of thermal performances of building envelope</b>		
1.	Roofs and wall	<ul style="list-style-type: none"> <li>Insulated metal Panels Polyurethane /polyisocyanurate foam, Extruded polystyrene, Glass wool</li> <li>Extruded or expanded polystyrene panels, polyurethane panels, spray polyurethane foam, glass wool, rock wool panels or rolls</li> </ul>
2.	Windows	<ul style="list-style-type: none"> <li>Double-glazing window with low SHGC glass</li> <li>Existing windows fitted with heat resistant adhesive film</li> <li>External Shading devices: blinds, window covers, horizontal or vertical sun protectors on the facade</li> </ul>
<b>Improvement of heat, ventilation &amp; air-conditioning (HVAC) &amp; refrigeration system performance</b>		
3.	Individual air-conditioning systems	<ul style="list-style-type: none"> <li>Mono-split air-cooled unit with inverter Pcooling&lt;12 Kw</li> </ul>
4.	Small and medium range air-conditioning systems	<ul style="list-style-type: none"> <li>Variable refrigerant flow (VRF) units</li> </ul>
5.	Large range air-conditioning systems – chillers	<ul style="list-style-type: none"> <li>Air cooled high efficiency chillers</li> <li>Water cooled high efficiency chillers</li> <li>Air cooled high efficiency chillers</li> <li>Absorption chillers</li> </ul>
6.	Large range air-conditioning systems – cooling towers	<ul style="list-style-type: none"> <li>High efficiency dry cooling tower with high efficiency fans and motors, VSD</li> <li>High efficiency evaporative cooling tower, mini IE2 fan motors and VSD</li> <li>High efficiency evaporative cooling tower with hybrid condenser, mini IE2 fan motors and VSD</li> </ul>
7.	Large range air-conditioning systems – pumps	<ul style="list-style-type: none"> <li>High efficiency pump (Motor and pump integrated or non-integrated)</li> </ul>
8.	Air Handling Units	<ul style="list-style-type: none"> <li>High efficiency air handling unit (AHU)</li> </ul>



No.	Description	Components/ Subcomponents
		<ul style="list-style-type: none"> <li>Air handling unit with cold recovery</li> </ul>
9.	Cold Water chilled water storage (Thermal storage) system	<ul style="list-style-type: none"> <li>Cold water storage (Thermal storage) system</li> </ul>
<b>Reduction of energy consumption to produce hot water</b>		
10.	Solar Water Heaters	<ul style="list-style-type: none"> <li>Evacuated tube collectors</li> <li>Flat plate collectors</li> <li>PV-based solar heating</li> </ul>
11.	Heat Recovery	<ul style="list-style-type: none"> <li>Heat recovery exchanger on chiller condensers</li> <li>Heat recovery on air compressor</li> </ul>
12.	Geyser Blankets	N/A
<b>Improvement of lighting system efficiency</b>		
13.	Lamps, fixtures and ballasts	<ul style="list-style-type: none"> <li>LED lamps</li> <li>LED downlight fixtures</li> </ul>
<b>Reduction of electricity consumption by monitoring and control system implementation</b>		
14.	Lighting and HVAC control system	<ul style="list-style-type: none"> <li>Occupancy sensors</li> <li>Energy saving switch</li> <li>Window air Conditioning shut- off Switch</li> <li>DALI (Digital addressable lighting interface)</li> <li>Building management system</li> </ul>
<b>Reduction of electricity consumption by monitoring and control system implementation</b>		
15.	Transformers	<ul style="list-style-type: none"> <li>Premium efficiency transformer</li> </ul>
16.	Compensation Systems	<ul style="list-style-type: none"> <li>Power factor correction capacitor banks</li> </ul>
17.	Electric Motors	<ul style="list-style-type: none"> <li>High efficiency low voltage motors</li> <li>Variable Speed drive for AC induction motors 0,5 kW- 1 MW range</li> <li>Variable speed drive for Synchronous motors 0,75kW- 500 Kw</li> </ul>
<b>Improvement of efficiency of electric system</b>		
18.	Compressors	<ul style="list-style-type: none"> <li>High efficiency Screw Air Compressor</li> </ul>
19.	Compressed air dryers	<ul style="list-style-type: none"> <li>Recycling Refrigerated air dryer or VSD compressor air dryer</li> <li>Absorption air dryer</li> </ul>
<b>Improve performance of steam production and steam network</b>		
20.	Boilers	<ul style="list-style-type: none"> <li>High efficiency steam boiler</li> <li>Economiser (Non-condensing)</li> <li>Condensate recovery system</li> </ul>
21.	Burners	<ul style="list-style-type: none"> <li>High efficiency forced draught type burner</li> <li>Oil burner manual or testing kit</li> </ul>
22.	Insulation for Plumbing Equipment	<ul style="list-style-type: none"> <li>Removable insulating pads or valves and fittings</li> <li>Fibre glass or foam glass pipe and fitting insulation</li> </ul>
<b>General process equipment</b>		
23.	Fan	<ul style="list-style-type: none"> <li>High efficiency fan</li> </ul>
24.	Pump	<ul style="list-style-type: none"> <li>High efficiency pump</li> </ul>
25.	Heat pump	<ul style="list-style-type: none"> <li>High efficiency heat pump</li> </ul>
26.	Sensors and metering	<ul style="list-style-type: none"> <li>Pressure, Temperature, Humidity, Mass flow rate, power, lumens</li> </ul>

No.	Description	Components/ Subcomponents
		<ul style="list-style-type: none"> <li>Smart control valves</li> </ul>
<b>Specific process equipment</b>		
27.	Cool rooms, refrigerated showcases and display cabinets	<ul style="list-style-type: none"> <li>High efficiency cool rooms, refrigerated showcases and display cabinets</li> <li>Reinforced wall and roof insulation</li> <li>Night blinds</li> </ul>
<b>Renewable Energy</b>		
28.	Micro hydroelectricity	<ul style="list-style-type: none"> <li>Hydroelectric turbine</li> <li>Generator, Alternator</li> </ul>
29.	PV Solar	<ul style="list-style-type: none"> <li>Mono/Polycrystalline PV panels</li> <li>Thin film Panels</li> <li>PV Inverter</li> <li>PV tracker</li> <li>High efficiency Solar Pump</li> </ul>
30.	Wind	<ul style="list-style-type: none"> <li>Wind turbines</li> </ul>
31.	Batteries and charging infrastructure	<ul style="list-style-type: none"> <li>Battery energy storage system (BESS)</li> <li>EV changers</li> </ul>
<b>Water Efficiency systems</b>		
32.	Acoustic leak-detection loggers	N/A
33.	Advanced Cooling Tower Controls	N/A
34.	Connectionless Food Steamers	N/A
35.	On-site waste-water treatment plant	N/A
36.	Rainwater Harvesting System	N/A
37.	Sprinkler Automatic Shut-Off Devices	N/A
38.	Steam Steriliser Condensate Retrofit Kit	N/A
39.	Borehole pumps	N/A
40.	Desalination plant equipment	N/A
<b>Water saving fittings</b>		
41.	Water-Saving Toilets	N/A
42.	Low-flow faucets with aerators	N/A
43.	Multi-stream rotational sprinkler heads & Water saving sprinkler bodies	N/A
44.	Water / Moisture Sensors	N/A
45.	Soaker Hoses	N/A
<b>Water Efficient appliances</b>		
46.	Washing Machines	N/A
47.	Dishwasher	N/A

5.3 Respondents who are manufacturers are requested to:

- 5.3.1 indicate:
- 5.3.1.1 whether they operate a factory(ies) that locally manufacture or produce any one or more of the components or equipment listed in clause 5.2 above; and
- 5.3.1.2 any other sectors, components or equipment, not listed in clause 5.2 above, that they produce and would be, in their opinion, relevant to the Programme.