Invitation to Tender

Supply of minor civil works in Sierra Leone

Tender Reference No. SLBU 19-01

Date: 12/12/2019

The contents of this Request for Quotation (RFQ) is confidential being for use only by the persons to whom it is issued. This ITT may not be copied or distributed by the recipient to third parties (other than in confidence to the recipient’s professional advisors for the purpose of giving the recipient advice). If the recipient does not continue with his interest in PowerGen Renewable Energy (hereafter OGP), this RFQ must be returned to OGP or duly destroyed.
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Introduction

This Request for Quotation (RFQ) is concerned with part of the civil works for twenty (20) off-grid power systems in eastern and southern Sierra Leone. This is a re-issue of the previous RFQ which was not awarded due to specification issues.

Off-Grid Power SL Ltd

Off Grid Power SL Ltd, incorporated in Sierra Leone, herein referred to as OGP, is a 30% subsidiary of PowerGen Renewable Energy, and a 70% subsidiary of InfraCo Africa Ltd.

PowerGen Renewable Energy EA LTD

PowerGen Renewable Energy EA LTD is headquartered in Nairobi, Kenya with additional offices in Arusha, Tanzania, Lagos, Nigeria and Freetown, Sierra Leone. Founded in 2011, PGRE is a leading African mini-grid developer and off-grid power EPC. Over the past 8 years, PowerGen has installed more than 200 solar power systems in seven countries throughout sub-Saharan Africa, from Somaliland to Mozambique. The company has installed more than 50 micro-grids and connected 6000+ homes and businesses in Kenya, Uganda, Tanzania, Zambia, Somalia, and South Sudan. The PowerGen EPC Division has served blue chip commercial partners such as Engie, Finlays, E.ON and the Vulcan Foundation.

Responses to the RFQ should be submitted by December 31st 2019, 6pm UCT

Clarifications should be requested up to December 23rd 2019, 3PM UCT
Tender Process

This tender consists of two stages.

- **Request for Quotation:** After all initial tender responses are received, selected bidders will be invited to negotiations. The aim of this process would be to clarify certain aspects of the quotations. Details surrounding commercial terms will also be discussed during the negotiation phase.

- **Negotiation:** would be followed by submissions of finalized quotes of selected bidders which would be evaluated by the OGP team. Please note that OGP reserves the right to award the contract without negotiation.

OGP will only negotiate with most relevant bidders after assessing quotes according to price, technical suitability, met requirements, experience, references and OGP interpretations of associated project risk.

Response Format

All documents required as part of your tender response should be submitted to via e-mail to the contacts listed in the e-mail address below. All attachments/supporting documentation should be provided separately to your main tender response and clearly labelled to make it clear as to which part of your tender response it relates. Where supporting evidence is requested as ‘or equivalent’ – you must demonstrate such equivalence as part of your tender response. Please keep responses concise, unambiguous, and relevant to the requirement stated. Details of the ITT, tender responses and pricing will be incorporated into the Contract, as appropriate.

Required Documents for Submission

The following information and documents shall be provided with the response to this ITT:

- The bidder should provide a brief description of the methodology that will be followed for this tender. This part should include, but not be limited to, the approach (e.g. standard systems or specific designs), and activities to be carried out during all project stages. This includes assumptions about the concrete mix, other details of the construction methods for the foundations, and support required from OGP

- Provision of a tentative timeline/Gantt chart noting install date at each site. The Contractor is invited to provide comments for improvements and/or adjustments to deadlines

- A quotation detailing the cost on a project and per site basis. As a minimum the quote should indicate:
  - Mobilization
  - Vegetation clearing
  - Concrete price per cubic metre (for all sites)
  - Sub-base price per cubic metre (for all sites)
RFQ: Civil Works in 20 Mini-grid sites, 12/12/2019

- Soil fill price per cubic metre (for one site)
- Other works
- Site levelling (for two sites)
- Retaining wall costs (for one site)

- If alternative designs or approaches are suggested by the supplier these should be provided with detailed explanations
- Provide Payment terms
- Warranty terms for materials and works

Guidelines for Bidders

The information contained in the RFQ and the supporting documents and in any related written or oral communication is believed to be correct at the time of issue but OGP will not accept any liability for its accuracy, adequacy or completeness and no warranty is given as such. This exclusion does not extend to any fraudulent misrepresentation made by or on behalf of OGP.

Right to Cancel or Vary

By issuing this RFQ, entering into clarification communications with bidders or by having any other form of communication with bidders, OGP is not bound in any way to enter into any contractual or other arrangement with any bidder. It is intended that the remainder of this Procurement Process will take place in accordance with the provisions of this RFQ, but OGP reserves the right to terminate, suspend, amend or vary (to include, without limitation, in relation to any timescales or deadlines) this Procurement Process by notice to all potential supplier in writing. Subject to the “Liability” Tender Condition below, OGP will have no liability for any losses, costs or expenses caused to you as a result of such termination, suspension, amendment or variation.

Tender Adjustments

At any time prior to the Tender Response Deadline, OGP may modify the tender document by amendment for whatever reason, either of its own initiative or in response to a clarification requested by a bidder. All the bidders will be notified of the amendments via email. OGP may extend the deadline for submission of tenders to allow prospective bidders reasonable time in which to take the amendment into account in preparation of their tenders. All tender responses must comply with any amendment made.

Generally it is intended to award the complete contract to a single bidder, but OGP reserves the right to adjust the quantities and to make partial awards if deemed necessary and/or appropriate.

In particular, bidders should note that Site Levelling and Retaining Walls quantities may be increased or reduced, and the offer price for other Works should be valid with or without the inclusion of these items.
Clarifications

Bidders are responsible for analysing and reviewing all information provided, forming a full understanding and seeking advice as they consider appropriate. You should notify OGP promptly of any perceived ambiguity, inconsistency or omission in this RFQ, and/or in any of its associated documents and/or in any information provided to you as part of this Procurement Process.

OGP reserves the right to issue the response to any clarification request made by a bidder to all other bidders unless the bidder expressly require it to be kept confidential at the time the request is made. If OGP considers the contents of the request not to be confidential, it will inform the bidder, who will have the opportunity to withdraw the clarification query prior to OGP responding to all bidders.

Response Modifications

You may modify your tender response prior to the Tender Response Deadline by giving written notice to OGP via e-mail. Any modification should be clear and submitted as a complete new tender response in accordance with these Tender Conditions.

In addition, OGP may at any time request further information from you to verify or clarify any aspects of your tender response or other information you may have provided.

Costs

You are responsible for obtaining all information necessary for preparation of your tender response and for all costs and expenses incurred in preparation of the tender response. Subject to the “Liability” Tender Condition below, you accept by your participation in this procurement, including without limitation the submission of a tender response, that you will not be entitled to claim from OGP any costs, expenses or liabilities that you may incur in tendering for this procurement irrespective of whether or not your tender response is successful.

Guarantees

By submitting a tender response in connection with this Procurement Process, bidders confirm that they will, and that they shall ensure that any consortium members and/or subcontractors will comply with all applicable laws, codes of practice, statutory guidance and applicable Customer Organisation policies relevant to the goods and/or services being supplied.

Liability

Nothing in these Tender Conditions is intended to exclude or limit the liability of OGP in relation to fraud or in other circumstances where OGP’s liability may not be limited under any applicable law.

Tender Validity

Your tender response must remain open for acceptance by OGP for a period of 60 days from the Tender Response Deadline. Prices submitted in your response shall also be valid, and remain fixed, during this time and after contract award.
Project Timeline

The below table presents a tentative timeline of the entire project. The bidder is requested to state their conformity with it or provide any comments/suggestions to modify the project timeline.

<table>
<thead>
<tr>
<th>Item</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Publication of RFQ</td>
<td>12/12/2019</td>
</tr>
<tr>
<td>Selection of parties for negotiations</td>
<td>31/12/2019</td>
</tr>
<tr>
<td>Tentative award date</td>
<td>08/01/2020</td>
</tr>
<tr>
<td>Completion of Batch 1</td>
<td></td>
</tr>
<tr>
<td>- Tikonko</td>
<td>14/02/2020</td>
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<tr>
<td>- Rest of batch</td>
<td>20/3/2020</td>
</tr>
<tr>
<td>Completion of Batch 2</td>
<td>14/05/2020</td>
</tr>
</tbody>
</table>
RFQ: Civil Works in 20 Mini-grid sites, 12/12/2019

**Project Overview**

This tender comprises civil works for Power Systems for 20 villages, which are currently unelectrified and all located in the south-east of Sierra Leone.

**Project locations & install order**

The following table gives an overview of the sites included within the scope (also shown on the map below). Sites are grouped into batches:

- **Batch 1**: the first site, Tikonko, must be finished by mid-February. The other Batch 1 sites must be finished by mid-March, site order to be agreed with OGP
- **Batch 2** sites must be finished by mid-May, site order to be agreed with OGP

Contractors are free to propose completing Batch 2 sites in parallel with Batch 1 sites where they believe that this will offer savings to the Customer e.g.:

- completing Buedu in parallel with Nyandehun and Koindu
- completing Gorahun and Gegbwema in parallel with Baoma Koya etc.

**Table 1: Site Overview**

<table>
<thead>
<tr>
<th>Site Name</th>
<th>Batch</th>
<th>System Size/Category</th>
<th>GPS Location</th>
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<tbody>
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<td>3</td>
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<td>Sahn(Saba)</td>
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<td>Tikonko</td>
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Table 2: System Size categories

<table>
<thead>
<tr>
<th>Category</th>
<th>Container Strips</th>
<th>PV Rack Strips</th>
<th>Concrete Volume (m³) [no retaining walls]</th>
<th>Area under foundations</th>
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<tbody>
<tr>
<td>1</td>
<td>3</td>
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</table>

Scope of Works and Specifications

The following section indicates the overall scope of work for the installation of a mini-grid. The requirements are structured as below.

- Vegetation Clearance of installation area (all sites)
- Access Road (x sites)
- Foundation Installation (all sites)
- Levelling of ground under Power House (6 sites)
- Construction of retaining wall (1 site)

Vegetation Clearance

The Contractor is responsible for clearing the vegetation at each site. For sites with thick vegetation full clearance is required, for modest or minimal vegetation only the install area needs to be cleared.

Access Road

X sites require creation of access roads, the Contractor is responsible for clarifying the exact requirements and best method with local communities and OGP’s site representative.

Foundation

Each Power System shall have a single 20’ or 40’ container housing a power system. Furthermore, each site will have up to 9 PV Generator racks.
- The power containers will have either 3 (20') or 6 (40') Container Strip Foundations
- Each PV Generator rack will have 7 to 9 PV strip foundations

Dimensions of each type of foundation are given below. The standard system designs are provided in System Size categories. Total number of foundations and concrete volume per site are given in Summary of Works, total and by site at the end of this section. Cubic metres of concrete is also provided.

The contractor is expected to provide a quote for M15 concrete with rebar. Contractor is requested to indicate alternative design proposals that might save money, but should quote at a minimum for the above design. Weights

Sub-base is to be added 10cm to each side and 10cm below each foundation. Cubic metres of sub-base is provided in Table 3: Summary of Works, total and by site. OGP may at its discretion change this design and reduce volumes.

Concrete slab for PV generator foundations

[Diagram of concrete slab]
20' container foundations
Detail top and front view

40' container foundations
Detail top and front view
Site levelling, Soil importation & Retaining Wall
2 sites require levelling, Pendembu and Nyandehun. The full PV rack area and the power container area together, or separately as to be agreed, should be levelled.

Pendembu requires a retaining wall. The dimensions are approximately 50m * 0.65m (0.15m above grade, 0.50m below grade) * 0.25m, giving a cubic volume of approximately 8.16 QM. Concrete grade should be M15 with rebar and weep holes at a spacing suggested by Contractor above grade to allow water run-off. Contractor is requested to indicate alternative design proposals that might save money, but should quote at a minimum for the above design.

On site, Sulima, requires import of soil fill due to sandy conditions. Contractor should quote a generic unit price per cubic metre. Exact volume requirement is to be confirmed.

One site, Mobai, requires dewatering. Contractors can quote separately for this or this can be clarified post award.

Tools
Any special tools required for the installation are to be provided by the contractor.

Logistics
The contractor is expected to provide all logistics, lodging and other associated costs for its operations during the Works.
Table 3: Summary of Works, total and by site

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<tr>
<th>Site #</th>
<th>Site Name</th>
<th>No. Container Strip Foundations</th>
<th>No. PV Generator Rack Foundations</th>
<th>Concrete Volume (m³) [no retaining walls]</th>
<th>Volume Import Fill for sub-base (m³) [where necessary]</th>
<th>Area to be levelled (sqm)</th>
<th>Retaining Wall qm concrete (m³)</th>
<th>Imported Fill</th>
<th>Dewatering</th>
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Quality Assurance Plan

To ensure quality standards are met a Site Inspection Test (SAT) shall be carried out at completion of the works.

Site Acceptance Test

Site Acceptance Test (SAT) will take place after completion of the works, at a date to be agreed with OGP. During SAT, an inspection of the quality of the works will be conducted. Any snags identified need to be solved within four weeks after SAT. Responsibilities and process of rectification will be agreed on after SAT for each site. The procuring entity reserves the right to reject works that do not meet the quality, specifications or quantity, as determined during the Site Acceptance Test.
General

Language of Tender

The tender and all correspondence and documents related to the tender exchanged by the bidder and EOGS must be written in the language of the procedure, which is English.

Standards for technical work

It should be considered works should be done at the lowest possible cost while optimising the life of the installed works, reducing maintenance costs and maintaining adequate safety margins.

Warranty

1. The bidder warrants that Goods shall (unless otherwise stated in the Purchase Order) be new, merchantable, of agreed quality and description, in working order, fit for their intended purpose and free from contaminants, defects in materials, workmanship and design and in case this is not meet, the supplier will take full responsibility of compensating the company all losses attributed to the discrepancy (including but not limited to shipping costs for return and replacement to meet agreed delivery dates

2. Warranty on workmanship provided by the winning bidder shall be at least 2 year (longer warranty terms are seen beneficial)

3. The bidder warrants that there are no circumstances, facts or reasons which are known, or ought to be known by the bidder, which should have been disclosed to the procuring entity and which would have influenced the procuring entity decision in appointing the bidder to supply the Goods and/or Services

Selection Criteria

OGP will select the most suiting and best priced bidder to supply this tender at the end. Received proposals will be assessed according to price, technical suitability, met requirements, experience, references and OGP interpretations of associated project risk.

Contact Details

<table>
<thead>
<tr>
<th>Role</th>
<th>Contact Details</th>
</tr>
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<td>Tender lead</td>
<td>Mohammed Conteh PX Manager <a href="mailto:mconteh@powergen-re.com">mconteh@powergen-re.com</a></td>
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<tr>
<td>Commercial Lead</td>
<td>Michael Corbishley Country Director <a href="mailto:mcorbishley@powergen-re.com">mcorbishley@powergen-re.com</a></td>
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Annexes

Interested bidders are requested to e-mail the above contacts asking for the following annexes.

Annex 1: Preliminary Site layout diagrams
Annex 2: Geotech site survey and technical reports for 20 sites