

Q & A No 3 (Number 50 – 66) for 37 MW RFP

Question 50:

1.1 Definitions, page 7

Grid Impact: The additional network cost to facilitate the plant on the Transmission/Distribution system beyond the interconnection (IC) works.

We understand that the IC costs are to be borne by the proponent. Can you please clarify if some or certain IC costs are to be covered or paid by JPS?

Answer: All interconnection costs are to be borne by the bidder. However, if by virtue of connecting to the grid, this results in other necessary modifications to the grid, this cost will be used in the evaluation of the proposal.

Question 51:

2.2.6 Sites and Site Visits, page 22, 56th

The Applicant shall be responsible for all matters relating to the siting of its proposed Facility. The Applicant is advised to thoroughly investigate their proposed Sites, conditions and surrounding areas, interconnection and obtain or verify all information necessary for the preparation of its Proposal.

We are being asked to investigate the IC, or verify all information. Can JPS please clarify what its role will be with this requirement and how it will support the proponent?

Answer: Potential bidders may approach JPS as per link:

**[http://www.our.org.jm/ourweb/sites/default/files/documents/sector_documents/37_mw_rfp -
_jps_contact_info.pdf](http://www.our.org.jm/ourweb/sites/default/files/documents/sector_documents/37_mw_rfp_-_jps_contact_info.pdf)**

Question 52:

2.2.9 Special Requirements, page 23

The request is for up to 37 MW (Net) of generating capacity. Applicants shall be guided by the Generation Code as may be amended from time to time and the JPS Interconnection Guidelines. These documents may be viewed on the OUR's website.

Can the OUR and/or JPS confirm that (only) the 2013 Generation code and JPS Interconnection Guidelines apply and is applicable?

Answer: The 2013 Generation Code includes the interconnection guidelines: this provides the framework for what is applicable. Designs should comply with the framework.

Question 53:

2.2.14 Technical Specifications and Data, page 27, 82nd

High voltage is expected to be based on an acceptable entry point on the existing JPS' grid and required interconnection facilities must be included in the Proposal

We assume we will be connecting to either 69 kV or 138 kV circuits. Please confirm. Can JPS detail what "required IC facilities are", or how do these get approved prior to the RFP bid?

Answer: Projects can be connected to the transmission or distribution voltage as guided by the 2013 Generation Code.

Question 54:

All utility requirements for interconnection with JPS' grid must be complied with, including those relating to the supply of reactive power.

We will review the 2013 Generation Code and JPS Interconnection Guidelines apply. Please confirm. Are there any other requirements?

Answer: The applicable provisions of the 2013 Generation Code and Interconnection Connection Guidelines are to be complied with including the provision of grid services based on the capability of the proposed plant.

Question 55:

2.7.8 Ability to provide services to the Grid [10%], page 44:

Ability to provide Grid support in the areas of voltage and frequency control. [10%]

How will this 10% score be measured, determined or allocated (compared to other technologies)? Solar PV and inverters do provide voltage and frequency support.

Answer: Solar PV systems must be able to regulate their output as per section 2.2.14 of the RFP titled "Technical Specifications and Data" paragraph - 82nd, bullets 4 and 6.

Question 56:

2.8.1 Evaluation Criteria – Stage 3, page 45, 158th

Economic comparison will be based on the expected Plant output parameters and associated costs including Grid Impact. The objective will be to select a Project or Projects that will best contribute to the overall power sector objective of reliability and security of supply at least cost to consumers.

We do not understand this. We understood that developers were to pay their IC costs, and that the cost to consumers would simply be the price per kilowatt-hour. What is meant by "associated Grid Impact"? Please clarify. Is there a range or matrix of "Grid Impact" costs being assigned to various technologies?

Answer: The economic evaluation of projects will compare the all-in production cost, interconnection cost, and any other costs to modify the grid to accept the new plant. Associated grid impact incorporates any mitigation measures required to comply with the Generation Code.

Question 57a:

4.8.3 Location and Access to Site, page 67

Interconnection arrangement

We assume we have to design and propose this to JPS. Please confirm? How quickly will JPS be able to approve the 'interconnection arrangement', or can this be done after the bidder is notified they are successful? What if the assumed interconnection is changed by JPS after the bid is accepted and is more expensive? Who pays for the increased interconnection cost after the bid is accepted?

Potential Grid impact

Question 57b: Please clarify; JPS will have to decide and/or describe what if any impact there is to the grid there may be, based on the MW's of solar connected and inverter technology used. Typically, the utility performs and provides a "System Impact Assessment (SIA)" and/or a "Connection Impact Assessment" that developers pay for, and approves an interconnection, which details technical requirements and interconnection costs, before the bid is made. When and how will this be managed after the bids are done?

Answer: (a) Proposers may design the interconnection arrangement and propose it to JPS or contract JPS to design it for them. The cost of the interconnection arrangement is to be included in the submission of the bid. Bidders should ensure that an appropriate interconnection design and cost are submitted with their bid.

Answer: (b) Grid impact refers to matters that affect the grid performance and the interconnection arrangement for their proposed plant. Bidders may if they wish carry out such an assessment of the grid impact of their proposed project at their own expense.

Question 58:

4.8.6 Technical Feasibility Study, page 68

This should include the interconnection study

Can JPS please describe what this involves, costs, and how long it will take to perform an interconnection study and approve it? What studies are required, i.e. "System Impact Assessment (SIA)" and/or a "Connection Impact Assessment"?

Answer: The bidder is required to submit an interconnection study done at their own cost to support the design of the proposed arrangement for interconnection of the project to the grid.

4.18 EXHIBIT 17: PROPOSED INTERCONNECTION DATA, page 76-77

1) Applicant shall provide a detailed Project interconnection schedule that shows cost to interconnect at the distribution and transmission level as follows:

- a) Only the proposed plant has to interconnect into that facility. Indicate the proposed interconnection configuration and the cost for any network upgrades and any project specific works to satisfy the requirements of interconnection of the Plant to the Grid according to the Generation Code.

Question 59a:

The cost to interconnect, including any upgrades, must come from JPS. How long will it take JPS to provide these cost estimates?

- b) Indicate interconnection configuration and the cost to satisfy the requirements of the Generation Code if any other plants up to the remainder of the 37 MW also plan to interconnect into that facility as may be advised by JPS or on consultation with JPS before submitting their Proposal.

Question 59b:

This is not clear. Again, JPS must provide interconnection cost information. The proponent can provide an interconnection design.

Answer (a): The cost to interconnect can be prepared by a competent and authorised entity. They would have to indicate their timelines. JPS may be contacted as per link below:

[http://www.our.org.jm/ourweb/sites/default/files/documents/sector_documents/37_mw_rfp - jps_contact_info.pdf](http://www.our.org.jm/ourweb/sites/default/files/documents/sector_documents/37_mw_rfp_-_jps_contact_info.pdf)

Answer (b): Bidders should be mindful that other proposers may be connecting to the grid at the same location. Where such information is available, bidders should take such a possibility into consideration in the costing of their interconnection arrangement.

Question 60:

We respectfully request that the OUR delay and defer the January 27, 2016 deadline for bid submissions. Some of the reasons for this request include the time needed to get grid interconnection capacity questions answered from JPSCO. In addition, the Christmas and New Years' schedule is also upon us and there are compressed and tight timelines associated with the bid.

Answer: The bidding period of six (6) months is considered sufficient, taking all factors into account

Question 61:

In the context of the RFP for 37 MW of electricity generation from renewable resources, we'd like to have clarification on the proposal security.

The RFP documents mentions that a proposal security has to be provided in form of either a certified check or letter of credit. In the case of the letter of credit, is there a wording available that would be suitable for the OUR?

We appreciate your response.

Answer: A form of Letter of Credit will be released in an addendum to the RFP shortly.

Question 62:

Will the OUR allow a fossil fuel gen-set to be used as a back-up, or, does it have to be battery storage. What percentage of nameplate must be provided, i.e. 10%, or 20%?

Answer: Only renewable based fuels or energy generated by renewable fuels are to be included as part of the proposal for this 37 MW RFP

Question 63:

Which type of Renewable Energy can be used for the implementation of this tender? Could the client decide the type of Renewable Energy based on their expertise?

Answer: The RFP indicates the parameters of the type of renewable energy proposals. Please be guided by the following information:

In section 2.7.2 of the RFP:

The evaluation criteria requires that the proposed technology should demonstrate that it has preferably achieved over 3 year's commercial viability.

In Addendum No. 1 to the RFP:

“Renewable energy source” is defined as Energy sources that are not depleted when exploited (such as solar, wind and hydro), and includes, for purposes of this RFP, solid waste and biomass.”

There are several questions and answers that your client may want to peruse at the OUR's website in connection with this RFP process. They can be accessed at the link below:

<http://www.our.org.jm/ourweb/sectors/request-proposals-supply-net-37-mw-electricity-generation-renewable-energy>

Question 64:

I am inquiring about the 37mega watt tender. I am have in my portfolio a zero emission Bio-mass Plant. I am interested in the garbage, tires and waste from the NSWA. Who must I direct my proposal to please and do you have a timeline in which you will respond acknowledging who would have won the contract.

Answer: Any proposal under for the 37 MW RFP should be directed to the OUR as per paragraph 6 in the RFP:

6th. "Proposals must be marked "Supply of up to 37 MW (Net) of Electricity Generation from Renewable Energy Resources on a Build, Own and Operate (BOO) Basis" and deposited in the Tender Box provided at the address below by 3:00 pm Eastern Standard Time (EST) on 27 January 2016."

The schedule for the notification of Highest Ranked Applicants and finalisation of the Power Purchase Agreement and issue of licence can be found in Addendum No. 1 to the RFP. Note in particular the following:

No	ACTIVITY	DATE
5	Notify Highest Ranked Applicants	06 May, 2016
6	Complete negotiation of Project Agreements	03 November, 2016

The Addendum No. 1 to the RFP can be accessed on the OUR Website at the link below:

<http://www.our.org.jm/ourweb/sectors/request-proposals-supply-net-37-mw-electricity-generation-renewable-energy>

Question 65:

Reference is being made to the caption. Will a technology that has been in commercial use for several years but have been upgraded (increased efficiency) within the past 3 years still qualify for the maximum score of 5 for the specific bullet point "3 Years and over"? For example an existing wind turbine that has been successfully operated for several years but previously classified as Class II has been modified within 3 years and now carry a Class I survival status. Will this qualify for the maximum score of 5 points -"3 Years and over"?

Answer: As presented, it would appear that the actual upgraded machine would not have achieved 3 years and over. The amount of marks allotted would depend on the information provided to support the extent of the upgrade and the actual performance of the upgraded machine both technically and commercially since its upgrade.

Question 66:

Please convey the most recent RFP document with pertinent revisions and amendments. Much obliged.

Answer: All the documents that pertain to the 37 MW RFP can be viewed at the following website address:

<http://www.our.org.jm/ourweb/sectors/request-proposals-supply-net-37-mw-electricity-generation-renewable-energy>

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