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Bhutan Power Corporation Limited

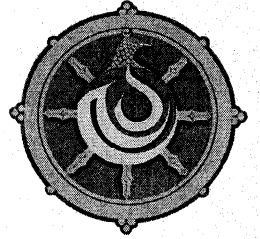
(Registered Office, Thimphu)

(An ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 Certified Company)

Distribution Services

Distribution Construction Department

Thimphu: Bhutan



08/BPC/RED/DCD/2020/Vol-I/ 54

October 09, 2020

To,

All Bidders

Sub: Amendment to the tender document for Supply, Install, Testing and Commissioning of 180kW Grid-tied Ground Mounted Solar Power Project at Rubessa Under Wangduephodrang District, Bhutan

Dear Sir,

Please find enclosed herewith the **Addendum No. 4** to the subject cited tender document pursuant to the clarification sought by prospective bidders and BPC's assessment of the tender/project requirements.

The Addendum-4 consists of the following:

- a) The main text (1 Page)
- b) Annexure covering the replies to the queries received from the prospective bidders (1 page)

This addendum forms the part of the Bidding Document.

Kindly acknowledge the receipt.

Thanking you,

Yours sincerely,

(Drukchu Dorji)
General Manager

Copy to: Director, Distribution Services, BPC, Thimphu for kind information.

Addendum -4 to the Bidding Document for Supply, Install, Testing and Commissioning of 180kW Grid-tied Ground Mounted Solar Power Project at Rubessa under Wangduephodrang District, Bhutan (Identification N0. 08/BPC/RED/DCD/2020/Vol-1/46 dated 07/09/2020).

This addendum -4 to the above tender is being issued pursuant to the queries received from prospective bidders till October 09, 2020 following the time extension of bid sale and submission and BPC's assessment of the tender/project requirements. The response to the queries sought are provided in the **Annexure** to this **Main Text** of the Addendum. Except for changes indicated herein, there are no changes to the Bidding Documents. The relevant clauses in the original Bidding Document stands amended to the extent indicated herein.

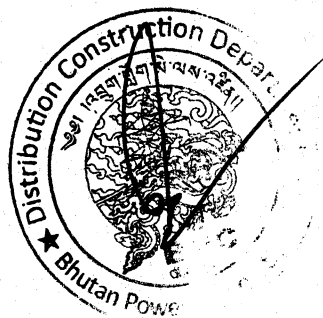
Table of Amendment

S.NO	Reference Clause/Para of Bidding Document	Details of Amendment/Changes
1.	General Conditions of Contract	<p>As per the BPC procurement manual for works & Rules and Regulations of Ministry of Finance, RGoB, the conditions of quantity variations in a works contract shall specify the mechanism for valuation of the varied items in accordance with the following conditions:</p> <ol style="list-style-type: none"> a. If the final quantity of the varied work for an item exceeds by more than 20% from the quantity in the contract BoQ, and the value of this variation exceeds 1% of the Original Contract Price. b. The excess quantities executed over the limit of 20% only shall be valued at a suitable rate or price agreed upon between the Employer and the contractor. In the event of disagreement between the parties, the Employer shall fix the rates as may be considered fair and appropriate and those shall be notified to the contractor. c. If the quantity of the variation is more than 20% of the contract quantity, but the value of this variation is less than 1% of the Original Contract Price, the excess quantity shall be valued at the rate or price set out in the contract.

This addendum consists of the following:

- a) This Main Text (1 page)
- b) Annexure covering to the replies to the queries from the prospective bidders (1 page)

This addendum forms the part of the Bidding Document.



QUERRIES RECEIVED FROM BIDDERS AND CLARIFICATIONS BY BPC

Sl. No.	Tender Reference	Clause	Bidder's Query	BPC's Clarification
1	Section-2B (Technical Specification)	Clause# 6: Lightning Arrestor	Both type i.e. ESE and 5 Spike LA are different. Kindly clarify your requirement or bidders are free to choose any of them?	Bidders shall Provide 5 spike lightning arrestor for this project.
2	Section-2B (Technical Specification)	Clause# 7: Earthing	As mentioned BPC needs copper strips. Please define size of copper strip. Can we use GI strip at the place of Copper Strip?	The design, engineering, supply and installation of the earthing system is under the scope of the Bidder. Bidders shall provide suitable earthing materials as per relevant IEC standard. However, the earthing resistance shall not be more than 2 Ohms.
3	Section-2B (Technical Specification)	Clause#13: SCADA	Please clarify following queries regarding SCADA: 1. Availability of communication system between wind farm office and BPC data center? 2. Please define number of remote user required for SCADA? 3. Please mention what type of data of transformer need to connect with SCADA? 4. We are suppose to provide single data logger with Shielded communication cable. So please specify what is the need of Fiber Optic 2C cable? 5. As per Tender Managed Ethernet switch is required, we shall require only one Ethernet switch. Kindly allow us to use un-managed Ethernet switch. 6. Router shall be required for 104 communication with BPC data center. Please let us know the interface required on the VAN side (RJ45/FO/GPRS/3G-4G)	1. Yes, we have an existing communication system between wind farm and BPC Control Center. 2. Number of remote user required for SCADA: 1 Number 3. Data of transformer need to connect with SCADA: All electrical parameters such as Power(kW), Frequency(Hz), Voltage(V), Current(Amps), Power Factor, Energy(kWh), etc. 4. Either fiber optics or Ethernet cable can be used with relevant international communication protocols. 5. Managed switch is required for this project as troubleshooting will be easier. 6. The interface required on the VAN is open and can be used as per the compatibility of equipment used.
4	08/BPC/RED/DCD/2020/Vol-I/46	General	Performance Ratio, as stated as per Addendum-2, shouldn't be less than 75%. As the plant design has been fixed by BPC only, Bidder requests clarity on responsibility if Performance Ratio is less than 75%. In case Grid is not available, the same thing will be accounted for in the calculation of Performance Ratio	The unavailability of the grid will not be accounted for the calculation purpose of PR.
5	08/BPC/RED/DCD/2020/Vol-I/46	General	As per Tender, Bill of Quantity has been provided. In case there is any change of quantity during execution, how will the Bidder account for it? Will Unit rate be followed in this case? Please confirm	As per the BPC procurement manual for works & RGOB procurement rules and regulations, the conditions of variations in a works contract shall specify the mechanism for valuation of the varied items in accordance with the following: a. If the final quantity of the varied work for an item exceeds by more than 20% from the quantity in the contract BoQ, and the value of this variation exceeds 1% of the Original Contract Price. b. The excess quantities executed over the limit of 20% only shall be valued at a suitable rate or price agreed upon between the Employer and the contractor. In the event of disagreement between the parties, the Employer shall fix the rates as may be considered fair and appropriate and those shall be notified to the contractor. c. If the quantity of the variation is more than 20% of the contract quantity, but the value of this variation is less than 1% of the Original Contract Price, the excess quantity shall be valued at the rate or price set out in the contract.
6	08/BPC/RED/DCD/2020/Vol-I/46	General	For the Power of Attorney, should this be executed on Bhutanese stamp paper or on Normal A4 sheet? Getting hold of stamp paper might be problematic in this pandemic scenario. Please confirm	For the submission purpose, Power of Attorney shall be executed on normal A4 sheet with company's logo, seal and signature. However, the successful bidder shall be required to submit the same with Bhutanese Legal Stamp prior to the Award of Work.
7	08/BPC/RED/DCD/2020/Vol-I/46	General	Please confirm that BPCL will be the importer on record for materials coming in from abroad	BPCL shall be the importer for this project.
8	08/BPC/RED/DCD/2020/Vol-I/46	General	Please confirm validity of the Performance Bank Guarantee	The Performance Security shall be valid until the successful completion of the project/works under the contract and for any extension thereto. Bidders shall follow the tender specifications.
9	08/BPC/RED/DCD/2020/Vol-I/46	General	Please confirm the point of Termination for Bidder in this project	Kindly refer clause 54 under SCC of the tender specifications.
10	08/BPC/RED/DCD/2020/Vol-I/46	General	With current COVID situation, we would like to provide the scanned copy of the Bid Security along with other Bid documents for submission to meet the bid deadline. We shall be sending the hard copy of the Bid Security post electronic Bid submission. Please confirm	If bidders submit the bids via email then we will accept the scanned copy of the bid security. However, all the bidders shall submit the original BG/DD of EMD during the time of evaluation.

