



National Power Corporation

SUPPLEMENTAL /BID BULLETIN NO. 1

to the Bid Documents for the:
**DESIGN, SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF
PALANAN SOLAR PV-DIESEL HYBRID SYSTEM (WITH ESS)
PR NO. HO-PIB22-001 / REF. NO. PB220110-JC00511(PB2)**

23 FEBRUARY 2022

All prospective bidders and authorized copy holders of the Bid Documents of the above mentioned project are hereby informed of changes and clarifications as follows:

1. BID SUBMISSION/OPENING

FROM	TO
01 March 2022 9:30 A.M. Kaňao Function Room	04 March 2022 9:30 A.M. Kaňao Function Room

2. For the schedule and details for the site inspection, please contact Mr. Nathaniel M. Delos Santos, Plant Head, Palanan DPP at email address nmdelossantos@napocor.gov.ph / mobile number: 0908-181-8751

National Power Corporation's responses for the following request for clarifications:

- a. How are we going to measure the generated out in order to determine if we are complied with the at least 150kW output of the Tender Documents?

Response: It shall be measured at the SPP transformer LV side or ac Combiner Box (refer to Dwg. No. PalSPV-BDE-17.001 – Single Line Diagram (1/2) (Solar PV System of the Bid Drawing)).

- b. How many copies do we need to submit for this bid?

Response: Section II – Instruction to Bidders, Clause 15 Sealing and Marking of Bids stated that "Each Bidder shall submit one copy of the first and second components of its Bid..."

- c. Only the battery requested are: LMO, NMC, or mixed. Is Lithium Iron Phosphate (LFP) acceptable?

Response: No, the primary considerations are the compliance of the offered battery chemistry to IEC 62619 or to UL 1642 standard and the proposed battery has a lesser energy density which will directly consume greater footprint.

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Management
System
ISO 9001:2015



www.tuv.com
ID: 910655205

- d. **Regarding the PV boards, there is no provision in the bid docs on the requirement for the rated capacity per panel. The highest panel is at about 500W / panel, and there are 100 ~ 400W available as well, which one is preferred?**

Response: The supplier will decide appropriate PV module capacity that will comply to the plant capacity, available area and other project requirements. The overall single line diagram which includes equipment ratings shall be submitted to NPC for review and evaluation

- e. **PEMs shall consist of hybrid controller, generator set controller, solar/photovoltaic controller and energy storage system controller. Can we consider an integrated type?**

Response:Hybrid Controller, Generator Set Controller, Solar/Photovoltaic Controller and Energy Storage Controller shall be supplied individually.

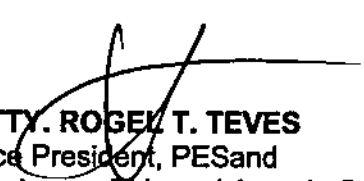
- f. **Communication between Genset controllers is 485. Please confirm.**

Response:Yes, communication means between genset controller is RS-485.

All other terms and conditions shall remain the same.

For the information and guidance of all authorized copy holders of the Terms of Reference (TOR) and prospective bidders.

For the Bids and Awards Committee:


ATTY. ROGEL T. TEVES
Vice President, PESand
Chairman, Bids and Awards Committee