



**Supplemental/ Bid Bulletin No. 2
06 January 2020**

**PUBLIC BIDDING No. 19 – 317 – 4
*Design and Build of Electrical Substation and Distribution System for the
Philippine Navy (PN)***

Issued pursuant to Sec. 22.5 of the IRR of R.A. 9184 to clarify and/or amend certain provisions in the Bidding Documents issued for this project, considering the issues raised and clarifications made by prospective bidders thru written queries received within the prescriptive period for filing.

I. Clarifications/Recommendations

No.	REFERENCE	RESPONSE
<i>ASIAN ELECTRO-SYSTEMS CORPORATION</i>		
1	If the items mentioned below should be included in the bid documents for submission: - Load Protection Studies - System Impact Studies - Short Circuit Analysis - Arc Flash Analysis	<i>Yes. The items mentioned should be included in the bid submission as required under Scope of Works and Specifications Part II. Design Concept Item 2.3.</i>
2	Is backfilling works of access road for Substation Entrance gate included in the scope of work?	<i>Yes. Geographical conditions and site development works are part of the design concept required under Scope of Works and Specifications Part II. Design Concept Item 2.3 and Design Parameters I.H.7.</i>
3	Is the main circuit breaker located in building concrete pedestal, also, whose scope is the connection from concrete pedestal to the building, please confirm.	<i>The main circuit breaker shall be installed in the concrete pedestal/post/poles specified in the site development plan while the connection from the pedestal/post/poles to the building shall be performed by the contractor to undertake the building construction.</i>
4	Location of outgoing feeder 2,3 and 4 of Substation	<i>Outgoing feeders 2, 3, and 4 are reserved for future power taps; only feeder 1 will be operational for this phase.</i>



5	Location of CKT #3 (AABN Barracks 420m2) is missing in General Layout of Secondary Distribution System in regards to the load schedule 1.0 AABN and MTBN Area	<i>Ckt #3 is a replica of Ckt #2 and was found erroneous which should be omitted from the schedule of loads</i>
6	What is the paper size of the bid documents to be submitted?	<i>For the drawings, the bidder is required to submit in 20" x 30" paper size. For other documents, the bidder may use any appropriate paper size.</i>
POWER DIMENSION, INC.		
7	There is no Potential Transformer at 69kV side?	<i>The design for the electrical substation and distribution system shall be based on the criteria set forth but not limited on the plans, drawings and parameters provided by the project owner. All materials deemed necessary for a working system must be supplied by the contractor to attain the objective of providing the most qualified and efficient turnkey substation. See Scope of Works and Specifications Item 1.0 and 4.2.</i>
8	Please confirm that the Contractor's scope is up to the Receiving Gantry only.	<i>The contractors scope shall cover tapping from the existing 69kV incoming line passing thru the 2 sets of 2.5MVA substation stepped down to 13.2KV 3-Phases distribution line running through 2 Phase distribution transformers and terminated to main circuit breakers mounted on concrete pedestals for each building facility as reflected on the plans. See Section VII Drawings.</i>
9	In the given drawings, the 13.8kV distribution system shows only Feeder #1. How about the feeder #2, #3 and #4?	<i>Outgoing Feeders 2, 3 & 4 are reserved for future power taps; only Feeder 1 will be operational for this phase.</i>
10	Who will do the works of interconnection with NGCP?	<i>It is part of the Contractor's scope of works. Please refer to Scope of Works and Specification Part 3</i>



11	Is there any line protection needed?	<i>The design for the electrical substation and distribution system shall be based on the criteria set forth but not limited on the plans, drawings, and parameters provided by the project owner. All materials deemed necessary for a working system must be supplied by the contractor to attain the objective of providing the most qualified and efficient turnkey substation. See Scope of Works and Specifications Item 1.0 and 4.2.</i>
12	How about the SCADA System?	<i>SCADA system is included in the design parameters as part of the Contractor's scope.</i>
13	Is NGCP metering part of our scope? In the Single Line Diagram, metering is in the 13.8kV MVSG.	<i>NGCP metering is part of the Contractor's scope. However, for the 13.8kV MSG metering, it is under ZAMECO which is also part of the Contractor's scope.</i>
14	We would like to request for CAD file of the drawings.	<i>Please refer to Bid Bulletin No. 1 issued last 23 December 2019 for the drive link of softcopies including CAD files and other pertinent documents.</i>

The herein amendments form an integral part of the bidding documents. Correspondingly, all other provisions in the bidding documents affected by these amendments are similarly amended or modified.

The clarifications made, explain in greater detail the purpose or intent of the requirement and do not necessarily amend that particular provision in the bidding documents.

(SGD.)
ENGR. ESTRELLITA G. FULE
Chairperson, DBM-PS BAC IV