



# NATIONAL POWER CORPORATION

## SUPPLEMENTAL / BID BULLETIN NO. 2

SUPPLY, DELIVERY, CONSTRUCTION, INSTALLATION, TESTING AND COMMISSIONING OF 69KV USON SWITCHING STATION PROJECT UNDER PR NO. HO-PIG24-002 / REF. NO. PB240222-AM00059

29 FEBRUARY 2024

All prospective bidders and authorized copy holders of the Bid Documents of the mentioned project are hereby informed of the following clarifications/changes, to wit:

INVITATION TO BID PUBLIC BIDDING - BCS 2024-0078 BID SUBMISSION / OPENING	
FROM	TO
05 MARCH 2024 9:30 A.M. Kaňao Room	14 MARCH 2024 9:30 A.M. Kaňao Room

SECTION VII-BILL OF QUANTITIES ELECTRICAL WORK Item 25.0 (VII-EW-8 and VII-EW-9)	
<b>CLARIFICATIONS: QUANTITIES OF MOBILE AND PORTBALE STATIONS</b>	
<i>Note: The contractor may submit their proposed brand as long as it will meet the minimum requirements of the equipment.</i>	
a. Base Station, 136~174Mhz, 45W RF output, analog/digital sensitivity 0.3uV/0.22uV, AMBE+2TM digital vocoder, OTA programming, dual capacity, IP-54, external speaker, MIL-STD, FCC & ICC Standard.	1 set
b. Base Antenna, omni-directional fiberglass, 3.8dB gain, 144~174MHz, 200W max. power at 50-ohm c/w RG-8 high-grade coaxial cable, surge protector, and PL-259 connectors.	1 set
c. 60 Feet antenna mast, painted as per CAA standard with climbing steps, support accessories, and lightning arrester and ground cable.	1set
d. Mobile Station, 136~174Mhz, 45W RF output, analog/digital sensitivity 0.3uV/0.22uV, AMBE+2TM digital vocoder, OTA programming, dual capacity, IP-54, MIL-STD, FCC & ICC Standard.	2 sets
e. Mobile Antenna, omni-directional 5/8-wave whip with PO/SO-239 magnetic-base mount, 200W max. power at 50-ohm c/w RG-58 high-grade coaxial cable, and PL-259 connectors.	2 sets
f. Portable Station, LKP display, 5W RF output, analog/digital sensitivity 0.16uV/0.14uV, AMBE+2TM digital vocoder, IP67 rating and MIL-STD specs., lithium-ION battery pack (2-pcs.) with battery charger.	4 sets



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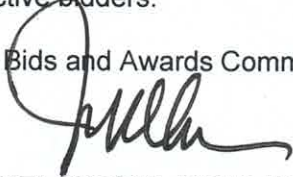


<b>CLARIFICATIONS:</b>
<b>GLOBAL POSITIONING SYSTEM (GPS):</b>
➤ GPS Satellite-synchronized clock, large LED display EIA-232 serial port, IRIG-B (I/O), +/-5% 230V 60Hz AC supply and +/-5% 48~125V DC supply.
<b>CCTV and PABX:</b>
➤ Not required to be integrated with the VSAT.
<b>DETAILS FOR SSDB #2 INCLUDING POSSIBLE LOADS:</b>
The number or bus, <b>feeder details</b> and breaker ratings are tentative only and for bidding purposes only. The actual details of feeder and circuit shall be determined by the Contractor. Detailed design calculation shall be submitted to NPC's review and approval.
<b>BANDWIDTH REQUIREMENT FOR VSAT (UPLOAD AND DOWNLOAD)</b>
➤ 100GB plan, 70Mbps (download)
➤ 15Mbps (upload).
<b>NUMBER OF INTERNET USERS:</b>
➤ At least six (6) Internet Users
<b>LOCATION OF MAIN SERVER:</b>
➤ NAPOCOR SPUG Data Center (NAPOCOR Head Office)
<b>QUANTITY OF MONITORS REQUIRED FOR HMI:</b>
➤ At least one (1) unit
<b>FREQUENCY OF OPERATION, NO./YEAR AS PART OF PCB REQUIREMENT:</b>
➤ This is the expected frequency of operation per year of 69V PCB thus, the offered breaker to be supplied should be capable to operate within this frequency.

All other terms and conditions shall remain the same. Supplemental for clarifications shall only supersede the affected requirements.

For the information and guidance of all authorized copyholders of the Bid Documents and prospective bidders.

For the Bids and Awards Committee:



**ATTY. MELCHOR P. RIDULME**  
 Vice President, Office of the Legal Counsel  
 and Chairman, Bids and Awards Committee