



## National Power Corporation

### SUPPLEMENTAL/BID BULLETIN NO. 2

to the Bid Documents for the:

**SUPPLY, DELIVERY, INSTALLATION, CONFIGURATION AND TESTING OF SECURE ENTERPRISE WIRELESS NETWORK UNDER PR NO. HO-IST22-008/ REF. NO. PB220718-NA00269**

**10 NOVEMBER 2022**

All prospective bidders and authorized copy holders of the Bid Documents of the above mentioned project are hereby advised of the revisions on the provisions in the Bid Documents, to wit:

#### A. SCHEDULE OF BID SUBMISSION/OPENING

FROM	TO
Postponed until further notice. (Supplemental/Bid Bulletin No. 1 dated 15 July 2022.)	<b>21 NOVEMBER 2022</b> <b>09:30 A.M.</b> <b>Kanao Room</b>

#### B. SECTION VI – TECHNICAL SPECIFICATIONS CLAUSE TS-8.0 GUARANTEE

FROM	TO
The Bidder shall guarantee to complete the repair, and/or replacement within Sixty (60) Calendar Days, of the supplied wireless network equipment and accessories at his own expense against defects in design, workmanship, and materials for One (1) year after acceptance by NPC.	The Bidder shall guarantee to complete the repair, and/or replacement within Sixty (60) Calendar Days, of the supplied wireless network equipment and accessories at his own expense against defects in design, workmanship, and materials for <b>Three (3)</b> years after acceptance by NPC.

#### C. SECTION VI – TECHNICAL SPECIFICATIONS PART I CLASUE TS-5.0 GENERAL TECHNICAL REQUIREMENTS

FROM	TO
5.1 Two (2) units Wireless Controllers.  Specifications: 5.1.1. 802.11ax High-Efficiency Wireless 5.1.2. Deep Packet Inspection (DPI) capability	5.1. Two (2) units Wireless Controllers.  Specifications: 5.1.1. Wi-Fi 6, 802.11ax High-Efficiency-Wireless 5.1.2. Wi-Fi Protected Access 3

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<p>5.1.3. Support central, distributed, and mesh deployments</p> <p>5.1.4. Detect, locate, mitigate, and contain wired and wireless rogues and threats</p> <p>5.1.5. Supports High Availability &amp; Redundancy</p> <p>5.1.6. At least 2 x 10Gb multi-gigabit copper</p> <p>5.1.7. Type A 3.0 USB port used to perform software updates</p> <p>5.1.8. Status LED for Service, Redundancy, High Availability, Alarm</p> <p>5.1.9. Dedicated Service Port for Out-of-Band Management</p> <p>5.1.10. Shall support and control the Wireless Access Points</p> <p>5.1.11. Built-in secure boot, image signing integrity verification and hardware authenticity.</p> <p>5.1.12. Supports programmable API for automation</p> <p>5.2 Thirty-nine (39) units Wireless Access Points.</p> <p>Specifications:</p> <p>5.2.1. Dual-band, controller-based 802.11ax</p> <p>5.2.2. At least 1 x 2500 Multi-gigabit autosensing (RJ-45) port</p> <p>5.2.3. Management console port (RJ-45)</p> <p>5.2.4. 802.3 at Power Supply Injectors</p> <p>5.2.5. Mounting Brackets</p> <p>5.2.6. Status LED indicates boot loader status, association status, operating status, boot loader warnings, and boot loader errors</p> <p>5.2.7. IEEE 802.11ax – 4x4 downlink MU-MIMO with four spatial streams</p> <p>5.2.8. Uplink/Downlink OFDMA</p> <p>5.2.9. At least 2048 MB DRAM and 1024mB Flash Memory</p> <p>5.2.10. Shall be supported and controlled by the Wireless Controllers</p>	<p>5.1.3. Deep Packet Inspection (DPI) Capability</p> <p>5.1.4. To be configured for High Availability</p> <p>5.1.5. At least 2 x 10GBase-X and 2 x dual media 1000Base-X or 1000Base-T ports</p> <p>5.1.6. Supports Guest portal, AP provisioning wizard, automated RF network optimization</p> <p>5.1.7. Shall support and control the Wireless Access Points (Item 5.2)</p> <p>5.2. Forty-four (44) units Controller-Based Wireless Access Points (40 units to be installed and 4 units as spare WAPs)</p> <p>Specifications:</p> <p>5.2.1. Dual-band, 802.11ax, 4x4 MIMO, internal antennas</p> <p>5.2.2. At least 1x 5000BASE-T and 1x 1000Base-T auto-sensing ports</p> <p>5.2.3. Supports packet capturing</p> <p>5.2.4. USB and RJ-45 console port</p> <p>5.2.5. 802.3at/bt Power Supply Injectors</p> <p>5.2.6. Multicolored LEDs for System and Radio status</p> <p>5.2.7. Installed Trusted Platform Module (TPM)</p> <p>5.2.8. Shall be supported and controlled by the Wireless Controllers (Item 5.1)</p> <p>5.3. Five (5) units Wireless Router</p> <p>Specifications:</p> <p>5.3.1. IEEE 802.11ax wireless LAN, 1 x Gigabit Ethernet WAN port, 4 x Gigabit Ethernet LAN ports</p> <p>5.3.2. At least four (4) dual-band antennas</p> <p>5.4. Five (5) units Autonomous Wireless Access Points</p> <p>Specifications:</p> <p>5.4.1. IEEE 802.11ax, IEEE 802.3at PoE</p> <p>5.4.2. 1 x RJ45 console port, 1 x Gigabit Ethernet port, (PoE) LAN</p> <p>5.4.3. At least four (4) dual-band antennas</p>
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All other terms and conditions shall remain the same.

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

For the Bids and Awards Committee:



**RENE B. BARRUELA**

Vice President, Corporate Affairs Group and  
Chairman, Bids and Awards Committee

