CORRIGENDUM

H13/126511/2019/PHQ

Dated: 5/02/2020

Specifications published in the e-tender for the SUPPLY OF DIGITAL VHF HANDHELD RADIO (Tender No. KPET/22/2020/PHQ Dated 30.01.2020) (Tender ID: 2020_KP_339853_1) are changed as follows.

<table>
<thead>
<tr>
<th>Specification</th>
<th>New Requirements</th>
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</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>136 - 174 MHz</td>
</tr>
<tr>
<td>Channel Capacity</td>
<td>250 or Higher</td>
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<tr>
<td>Protocol</td>
<td>TDMA / ETSI Compatible</td>
</tr>
<tr>
<td>Channel Spacing</td>
<td>Digital-12.5KHzAnalogue12.5KHz/25KHz</td>
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<tr>
<td>Frequency Stability</td>
<td>+/-1.5 PPM or better</td>
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<tr>
<td>Battery Capacity:</td>
<td>Li-Ion/Li-Polymer rechargeable battery of 2450mAH or better</td>
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<tr>
<td>Antenna Impedance</td>
<td>50 Ohm</td>
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<tr>
<td>Display</td>
<td>Minimum 4 rows LCD must support multi-function alphanumeric with back light or better</td>
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<tr>
<td>Selector Knobs</td>
<td>Exclusive knobs for volume control and channel selection</td>
</tr>
<tr>
<td>Mode of Operation</td>
<td>Analog Digital Trucking and GPS</td>
</tr>
</tbody>
</table>
**Transmitter**

- RF Power Output: 1 to 5 Watt +/- 0.5 DB programmable
- Type of Emission: Analog: 11KOF3E
- Digital: as per digital standards for voice, data and both digital Modulation 4FSK
- Modulation Limiting: +/- 12.5KHz
- Audio Response: +/-1,-3dB
- FM Hum Noise: -40 db or better
- Adjacent Channel Power: -60 db or better
- Digital Vocoder: ETSI approved

**Receiver**

- Sensitivity: Analog: 0.22 µV (12 db SINAD) or better
- Digital: 0.22 µV (5% BER or better)
- Adjacent Channel Selectivity: 60 db or better
- Inter-modulation: 70 db or better
- Audio Output: Minimum 500 m watts
- Audio Distortion: 3% or better

**Environmental Specifications**

- Operating Temperature Range: -30 °C to + 60 °C
- Storage Temperature: -40 °C to + 85 °C
- Applicable Standards: MIL Standard 810 C/D/E/F/G & Minimum IP 68 or better

**Accessories**

1. Single unit Battery charger and 1 No of spare battery minimum 2450 mAH or better Li-Ion / Li-Polymer rechargeable battery. BIS Certificate should be attached.
2. Program kit one number
3. Branded wireless Bluetooth Earpiece with PTT
4. Water proof bag
Handheld sets should submit IEC 60529 and military standard 810C, D, E, F & G certifications.
Warranty – 3 years

**Important features**

1. Simple press to talk
2. Low battery alert & announcement on checking battery level
3. Colour display with Day and Night Mode operation.
4. Mixed mode operation (analog OR Digital in two separate channels)
5. Transmit interrupt
6. Radio kill/Un-kill
7. Remote monitoring
8. Emergency with SOS/SIREN
9. Should have built-in GPS feature.
11. Programmable key management facility
12. Over the air programming
13. Power level Low/High front panel switchable with soft key
14. Simultaneous Voice and Data Transmission,
15. Simultaneous functioning of Two different groups through single Carrier in Digital Mode through Repeater

**The bidders should comply with the following conditions in addition to the conditions of the tender:**

**General**
1. The Bidder should be a reputed Original Equipment Manufacturers (OEM) or authorized dealer of OEM, having an Manufacturer Authorization letter specific to
participate in the tender. Bidder will be rejected if the OEM authorization letter is not submitted in the bid.

2. A reputed vendor can participate in the tender provided the vending outfit is functioning in the market for at least 10 years.

3. One bidder cannot represent two suppliers/OEMs or quotes on their behalf in a particular tender.

4. The OEM/supplier must have service centre functioning since past 5 financial years to cater to immediately after sales requirement. Service Centre details must be enclosed along with Tender document. (Preferably bidder should have a Service point in Kerala).

5. For placement of bulk order the bidder/Manufacturer have a successful track record for supply completion within the delivery period at any State Government organizations for a minimum period of 5 years, single order values not less than Rs. 200 Lakhs. Or two orders total values not less than 400 Lakhs (VHF/ UHF Wireless Radios and related accessories). List of Orders executed has to be enclosed.

6. The Bidder should have valid GST registration. Copy of GST registration certificate should be enclosed along with the tender.

7. The bidder should have valid PAN/Taxation Index Number. Copy of PAN/Taxation Index Number allocation letter should be enclosed along with the tender.

8. The Bidder must fulfil the following minimum qualification criteria to prove the techno-commercial competence and submit the documents in support thereof:
   a). Valid Authorization letter from the OEM to attend this particular Tender.
   b). Certificate of Registration /Incorporation Certificate of Bidder along with Copy of Service and sales Tax registration certificates.
   c) The Bidder and OEM should possess ISO Certificate. Copy of Valid ISO Certificates has to be enclosed.
   d) Last 3 years financial status of the Bidder’s/P&L and Balance sheet/audit report of last 3 years,
   e) The bidder (authorized dealer/distributor) should have the dealership/ distributorship for at least 05 (five) continuous consecutive years with single OEM.

   f) Bidder should posses BIS certificate for 2450 mAH 2450 mAH or better Li-Ion Spare Batteries

   g) The OEM of the offered product should have their own Registered office & service centre India (To be supported by Service tax registration No.) to offer prompt after
sales service for digital equipment. Kerala Police reserves the right to inspect the service center prior to price bid opening.

All other terms and conditions, Dates etc. mentioned in the above Tender Notice remains the same. For more clarification contact Senior Superintendent, H& Mod. Section, PHQ (Ph. No. 0471-2722768-1265).

Additional Assistant Inspector General of Police
For Director General of Police &
State Police Chief, Kerala