

**Corrigendum-II****DMR Equipment (E/Tender/HARTRON/Proc/2016-17/74): Event no. 37843**

In reference to tender document and subsequent Corrigendum & Corrigendum-I issued regarding an e-Tender for supply of DMR equipment the following clarifications are issued. These clarifications are now an integral part of the tender document no. DMR Equipment (E/Tender/HARTRON/Proc/2016-17/74):-

1. **Technical bid Clarification:-** The bidders are requested to submit the online compliance in technical envelope as per revised specifications wherever changed, though, in the technical envelope uploaded with the main tender, earlier specifications will reflect due to technical reasons. These specifications will supersede the specifications mentioned in the tender document and earlier Corrigendum's. The bidders are also requested to upload the compliance in PDF format as per revised specifications (wherever changed) given below:-

| S. No | Point/query raised in the Tender No 2016-17/74                         | Clause as per Tender document   | Amended after discussion in the pre-bid meeting dated 04.07.2017   |
|-------|--|---|--|
| 1     | Page No. 23, 24 & 25 Dispatcher Solution                               | Minimum 4 numbers of Trunked Channel per site   | Minimum 04 numbers of Voice & Data Channels per site (02 channels per repeater).   |
| 2     | Page 25 Point No.32 Multi Language Support                             | Multi Language Support & Integration of own language pack without restart   | Should support English language. However multi language support shall also be acceptable but English language is mandatory.  |
| 3     | Page No.15 Point No. G (6)<br>BIS Certification                        | BIS (Bureau of Indian Standard) Registration Certificate for rechargeable battery must be attached.   | BIS / OEM Certification should be attached.  |
| 4     | Page No.37 of RFP (Commercial Bid Format)<br>Gross Service Taxes (GST) | Gross Service Taxes (GST)   | Here it may be added that GST is being implemented w.e.f. 01.07.2017 by Govt. of India (GOI). The effect of GST as per actual (downward & upward) will be applicable at the time of billing. |
| 5     | Clause 14 D.3 of Page 29 & clause F Page 30                            | The successful bidder shall provide, to the Purchaser, the Source Code as well as the Object Model Diagram of the application specific to Ambala - Panchkula Police.  | The successful bidder shall provide, to the Purchaser Object Model Diagram of the application specific to Ambala - Panchkula Police.   |
| 6     | Page 30 Clause F Software  | Entire software, keys, passwords etc. used in the system should be shared by the supplier with the buyer. Nothing should be secretly withheld so that the buyer can use or allow some other agency to improve, upgrade or expand the system at any time subsequently. | Entire software, license / keys, passwords etc. used in the system should be shared by the supplier with the buyer.  |
| 7     | Sr. No. 14 E (v) page 29   | (v). Combiner & Receiver Multi-coupler for repeaters of DMR will be supplied by the vendor.   | No change  |
| 8     | Page 16, Under   | Telephony for communication   | Telephony for communication  |

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|    | Additional Features                                       | between radios and landline, mobile Phones & Smart phones.   | between radios and landline, mobile Phones & Smart phones. The L-1 bidder will have to demonstrate the all features at the time of supply of BOQ at his own cost & risk. It will not be a part of supply / BOQ.   |
| 9  | Page no., 24 Point No. 4 Dispatcher Solution              | IP Based DMR-TDMA-2 Slots multisite Trunking System.   | IP based DMR-TDMA-2 slots multi-sites.  |
| 10 | Page No. 13, Point No.D1 i.e. Environmental Specification | Operating Temperature -30C to +60 C  | Operating Temperature -20C to +55 C   |
| 11 | Under Additional Features Page 16 & Page No. 20           | ID Announcement & Audible Channel number   | ID announcement is optional but Should have Audible Channel number.   |
| 12 | Page No.17, Point No. E-14 & Page No.21 E-13 GIS          | Radio must have application protocol interface for development of software application to provide locations & messaging on PC / Console. The bidder should submit the undertaking from OEM in shape of ink signed & stamped that they will provide API free of cost as & when required by the indenter | Radio must have Application Protocol Interface (API) for development of software application to provide locations & messaging on PC / Console. The bidder should submit the undertaking from OEM in shape of ink signed & stamped that they will provide API if it is required by the indenter. Non Discloser Agreement shall be provided by intending department as and when API will be required. |
| 13 | Sr. No. 14 E (vi) page 29                                 | vi) Digital Map for Ambala - Panchkula districts will be provided by the Bidder.   | Google maps shall be accepted. If google maps can be provided free of cost to Police Department, the successful bidder shall meet all formalities required for obtaining google maps.   |
| 14 | Sr. No. 14 E (vii) page 29                                | (vii) The land base maps provided by the bidder shall have layers: Residential units, Commercial units, important public buildings, roads, open areas, location of colonies, villages nakas, barriers etc.   | (vii) The land base maps provided by the bidder shall have layers: Residential units, Commercial units, important public buildings, roads, open areas, location of colonies, villages. Google maps are also accepted. Area of operation shall be marked by bidder in consultancy with indenting department.   |
| 15 | Sr. No. 5 page 22 <b>Networking</b>                       | Should have provisions to interconnect the multiple repeaters in single site through IP& single site repeater system should work in channel sharing  | Should have provisions to interconnect the multiple repeaters in single site through IP& single site repeater system should work in channel sharing   |

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|    |  | basis to give minimum 4 channels. Radio users should quickly efficiently share voice & data communication on the same system. Multiple user groups should get access to the same repeater system without changing channels on the first come first serve basis.   | basis to give minimum 4 channels(02 channels per repeater). Radio users should quickly efficiently share voice & data communication on the same system. Multiple user groups should get access to the same repeater system without changing channels on the first come first serve basis. |
| 16 | Sr. No. 9 page 24  | Should support Over the Air Telemetry, Programming, Equipment Status & Network Monitoring remotely  | Should support Over the Air Programming, Equipment Status & Network Monitoring remotely.  |
| 17 | Point No. 8 Page 23<br><b>Fault Tolerance &amp; applications</b>                         | 1. RAID configured RAID 5 for Application & Database  | No change   |
| 18 | Page No. 24 Point No.17<br><b>Built-in Mobile Radios</b>                                 | <b>Built-in Mobile Radios</b> : Two Mobile Radios (2 additional connected variant with an integrated Mobile Radios )  | <b>Integrated Mobile Radios</b> : Two Mobile Radios (2 additional connected variant with an integrated Mobile Radios )  |
| 19 | Page No. 24 Point No. 16   | GPS & GIS- The system should support all advanced features of GPS & GIS such as assets management, Geo-fencing with alerts, Speed Control, Pre defined routes, real location tracking, Location Tracking & drawing for a specified period, Automatic & Manual location request, location in KML, online Geo information from Google map, open street map as well as offline (separately) display on maps & logging and play back facility without any recurring cost for use of GPS technology.       | No Change   |
| 20 | Page No.12 Point No. A (11) & page 17 Point No. A(13) :<br><br><b>Encryption Support</b> | The Radios should have provision of standard facility for installation of Third Party encryption device. If Third Party encryption is required by indenter at any time, the commercial grade encryption will be deleted by the vendor at no extra cost. The OEM of Radios should give an undertaking that they will give detail of interface for developing encryption in India whenever required. The Third Party encryptions will be purchased by the indenter on extra cost if required, later on. | The Radios should support 256 bit full encryption with the provision of enabling/disabling.   |
| 21 | Page No.30 Point No.   | Technical Maintenance Training,   | Technical Maintenance Training,   |

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|    | D - 4 (c)<br>Integration &<br>Training                                  | at the manufacturer's location, will be structured to train engineers and experienced technicians in the complete trouble shooting and maintenance of the equipment to both the board replacement and board repair level for fifteen days.  | at user's site, will be structured to train experienced technicians (minimum 10 officials) in the complete trouble shooting and maintenance of the equipment to both the board replacement and board repair level for five working days.  |
| 22 | Page No.15 Point No. H (9)<br>Battery Chargers of batteries of handheld | Battery charging rate on constant current: The battery chargers may be standard type or rapid type. In case of standard type chargers, the charging current shall not exceed 400 mA & for rapid type, it shall be within 1 Ampere. The charging time shall be 6 - 14 hours for standard chargers & 1 to 3 hours (for charging batteries up to 2000 mAH) or 2 to 4 hours (for charging batteries 2000 to 3000 mAH) respectively. | OEM to specify the current rating.  |
| 23 | Page 12 Point No. 10 & Page no. 18 Point No. 11<br>Programming          | Should be both manually & PC Programmable.  | Should be manually or PC Programmable.  |
| 24 | Page 32 Point No.2  | The OEM of the Radios should be listed with DMR association and must have undergone interoperability tests for all quoted models of the equipment and should submit certificate from OEM in this regard.  | The OEM of the Radios should be listed with DMR association and must have undergone interoperability tests for all quoted models of the equipment. Bidder shall submit certificate from OEM in this regard.   |
| 25 | Under Additional Features Page 16 & 20                                  | Events / Voice recording  | Removed   |
| 26 | Under Additional Features Page 16, Page 20, & 25 Point No. 28           | Automatic Channel Allocation  | No Change   |
| 27 | Sr. No. H (4) page 32   | All accessories & gadgets supplied with equipment should be of the same OEM as of offered Radios with the logo / trade mark of the OEM to be embossed / heat stamped. The logo / trade mark is to be indicated in the offer.  | All accessories & gadgets supplied with equipment except RF cables, Power supplies, Antenna, Dispatcher, combiner & receiver multi-coupler, GIS software should be of the same OEM as of offered Radios with the logo / trade mark of the OEM to be embossed / engraved. The logo / trade mark is to be indicated in the offer. RF cables, Power supplies, Antenna, Dispatcher, combiner & receiver multi-coupler, GIS software may |

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|  |  |  | be of OEM/Third party but should have embossed / engraved logo of the manufacturer. |
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2. **Commercial bid Clarification:** - The quantity of the DMR equipment has now been revised from 300 nos. to 400 nos.(1/5 watt) & from 200 nos. to 250 nos.(25Watt). However, due to technical reasons, revised commercial envelope could not be provided at this stage for submission of price e-bid as per the revised quantity. Accordingly, the bidders are requested to upload the commercial e-bid in pdf format as per the revised quantity of DMR equipment in commercial envelope. The unit price should also be filled in the excel format provided in the commercial envelope. The format of revised commercial bid to be uploaded in PDF format is as under:-

Revised Format Commercial Bid

| S# | Item Descriptions  | Qty | Basic Unit Price in INR | Applicable Taxes/ Duties/ Cess etc. at current rates (GST) | Unit Price (in INR ) inclusive of all taxes and duties (GST) | Total Amount |
|----|--|-----|-------------------------|--|--|--------------|
| 1  | Digital Handheld (5 Watt) VHF HB wireless sets with inbuilt GPS/VOX having provision for wired Ear set and Bluetooth enabled Ear set(as per spec)            | 400 |                         |  |  |              |
| 2  | Ear Set (Wired)  | 300 |                         |  |  |              |
| 3  | Ear Set (Bluetooth enabled)  | 100 |                         |  |  |              |
| 4  | Li-Ion rechargeable, dry, fit 2000mAH Spare batteries  | 400 |                         |  |  |              |
| 5  | Programming Kits for Handheld wireless sets  | 3   |                         |  |  |              |
| 6  | Digital mobile Radio System (DMR) 25 Watt VHF HB wireless sets (as per spec)   | 250 |                         |  |  |              |
| 7  | Programming Kits for Mobile/Static/25 watt wireless sets   | 3   |                         |  |  |              |
| 8  | VHF Repeater Station supports two simultaneous voice or Data pats in TDMA/FDMA mode having 100% continuous full duty cycles at high power (at least 40 watt) | 6   |                         |  |  |              |

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|----|--|-----|-------------------------|--|--|--------------|
| 9  | Hardware for dispatcher solutions complete with all accessories        | 2   |                         |  |  |              |
| 10 | Dispatcher solutions for 200 subscribers complete with all accessories | 1   |                         |  |  |              |
| 11 | Dispatcher solutions for 293 subscribers complete with all accessories | 1   |                         |  |  |              |

3. Other terms & conditions remains the same.
4. Last Date of submission of e-bids is extended upto 31.07.2017 by 14.30 PM

Yours faithfully,

Authorized Signatory (ies)[In full and initials]: \_\_\_\_\_

Name and Title of Signatory (ies): \_\_\_\_\_

Name of Bidding Company/Firm: \_\_\_\_\_

Address: \_\_\_\_\_ (Affix the Official Seal of the Bidding Company)