

Clarification in Technical Specifications

Bidder : M/s Rolta India Ltd., Mumbai.

Ref : Letter dtd. 06/01/2017

Tender No. - 1223, Sr.No. DGP/17/6162/State Plan/Digital Radio System/Navi Mumbai/123/2016

DMR Digital Radio System in UHF 400 Mhz. for Navi Mumbai (**These clarifications are applicable for all the responding bidders**)

Sr. No.	Tender Reference (Page No./ Clause No.)	Tender Clause	Bidder's Observation / Queries	Response to Queries / Clarifications
1	Page 8/ Clause No.40	Any statutory increases or decreases in an Act of State or the Central Government relating to Sales Tax and other taxes shall be borne by the tenderer.	The changes in tax likely to happen, for ex. Goods & Service Tax (GST) is getting rolled out in India which will impact the current tax. As the actual impact of GST is not known yet, we request that all taxes shall be payable as per pre-vailing rates applicable at the time of delivery / invoicing.	--
2	Page 6/ Clause No.18	The warranty period of the equipment / item will start from date of receipt / acceptance of equipment, the period of the comprehensive warranty shall be applicable for 3 years or as mentioned in specification.	Accessories are not covered under standard warranty clauses. Hence we request you to amend the clause to be read as, "The warranty period of the equipment / item will start from date of receipt / acceptance of equipment, the period of comprehensive warranty shall be applicable for 3 years or as mentioned in the specifications. However batteries & consumable items will have 1 year warranty only.",	Warranty period will be after date of commissioning for :- <ol style="list-style-type: none"> 1. Set, Hand Held, Repeater, microwave Link, Dispatcher, Laptop/Computer, TTA etc. will be Three (03) Years. 2. Batteries of Handheld & UPS will be Two (02) Years. 3. Towers 15 Mtr, 25 Mtr & 45 Mtr will be Five (05) Years. 4. Other accessories will One (01) Years.
3	--	General	As this is a turnkey project & lot of resources to be deployed initially & also many of the equipment's are sourced / imported from OEM. We request you to include the payment terms as 10% mobilisations advance, 80% against delivery & 10% against installation & commissioning.	--

Sr. No.	Tender Reference (Page No./ Clause No.)	Tender Clause	Bidder's Observation / Queries	Response to Queries / Clarifications
4	Page 18/ Clause No.4.8 Acceptance Test	System shall handover to Purchaser after successful Acceptance Test procedure (ATP) followed by Supplier and Purchaser. After ATP, purchaser will treat DMR Tier II Digital Radio System (400 MHz BAND) is delivered in good condition to Purchaser from Supplier and Warranty period starts from date of successful ATP report.	<p>Generally all radio equipment & software product warranty starts from the date of test reports (TR). It is also observed that the system installation takes time due to delay in obtaining site permissions etc. sometime systems are used in advance for special bandobast activities.</p> <p>Hence, requested amend the warranty clause to be read as "Three year warranty starts from date of Test Report (TR)"</p>	Clause stands as it is.
5	Page 23/ Clause No.3 Intersite Microwave Radio Link Equipment Sr.No.1, 3 & 4.	<p>1. freq. band - 5 GHz. (Unlicensed Band)</p> <p>3. Output Power (At Antenna Port) - 23 dBm</p> <p>4. Antenna - Internal as well as 23 dBi external with suitable mounting brackets with 45 meter RF Cable.</p>	<p>As the tender requirement for Microwave link in 5 GHz. license free band. It is recommended to have License band for such a long distance of Microwave Link to avoid interference & also the Transmit Power should be 27 dBm (0.5 Watt.) as per the standards & also, the antenna gain should be >29 dBi and MIMO antenna should be used to achieve the RSSI for the link stability.</p> <p>Request to amend the specifications of the Transmit power as 27 dBm or better & antenna as MIMO antenna with 29dBi gain or better.</p>	<p>Output Power of Microwave Radio = Min. 27 dBm</p> <p>Suitable Antenna to achieve reliable communication.</p>
6	Page 23/ Clause No.3 Intersite Microwave Radio Link Equipment Sr.No.17	Element Management System (EMS) - Appropriate Menu Driven EMS Software	<p>Request, Provide more details, as it is not clear what element / components are required to be managed.</p> <p>Hence, request provide actual requirement of Element Management System (EMS) software. Alternatively, recommend Standard Network Management System (NMS) to be included.</p>	NMS is recommended.
Sr.	Tender	Tender Clause	Bidder's Observation	Response to Queries / Clarifications

No.	Reference (Page No./ Clause No.)		/ Queries	
7	Page 24/ Clause No.4/E-3 Features	Digital DMR Mobile & Static Radio UHF 400 Mhz. Status messaging facility short & long data messaging facility FTP facility using PC-one to many radio necessary hardware, software shall be provided for interfacing PC.	Request to provide detailed quantity of required FTP application & licenses for the same. We understand that, the required PC's for the FTP will be provided at site by Maharashtra Police. Please Clarify.	Qty – 50 FTP applications PC's will be provided by Maharashtra Police.
8	Page 25/ Clause No.4/G-1 Accessories & Manuals	i) 400 Mhz. Magnetic base 3 dB Whip Antenna with suitable connector, 3 Mtr. Co-axial Cable for Mobile Radio & GPS antenna. ii) 400 Mhz. 3dB GP Antenna with suitable connector, 30 Mtr. Co-axial cable RG 217, 10' long aluminum Pipe & mounting bracket for Static Radio.	Please Specify the required quantity for Static & Mobile Radio's.	Static Radios – 100 Mobile Radios -250
9	Page 19/ Section-II Schedule of Requirement t Sr.No. 8 & Page 30 Cl. No.8, Power Sup.eqpt. A2	2 KVA Online UPS with Batteries for Repeater - 08 No's. Capacity - 2 KVA - for Repeater & Control Room	Please Clarify the actual qty. of 2 KVA UPS required. If it is for Repeaters & Control Room then as per Bill of Material the qty. of Repeaters is 17 no's & that of Control Room is 1 no. So, please confirm the requirement of 2 KVA UPS.	2 KVA Online UPS with Batteries for Repeater - 08 No's as mentioned in Schedule Of Requirement.
10	Page 19/ Section-II Page 15 Clause No.3 & Page No. 34 Clause No.10	Outdoor Cabinet for Repeater as per Section - II / Schedule of Requirements / Sr.No.10 = 06 No's. But, as per site details Page No.15, Clause No.3- the mentioned qty. of outdoor cabinet for Repeater =05 No's. Clause No.3 Page No.34 Clause No.10 - It is mentioned that, The Outdoor cabinet for Repeaters.	Please clarify, the required qty. & type of cabinet for Repeater & other equipment is same as the Outdoor telecom shelter.	Outdoor Cabinet for Repeater Qty -06 Specifications Sr. No. 10 of Section III
Sr.	Tender	Tender Clause	Bidder's Observation	Response to Queries / Clarifications

No.	Reference (Page No./ Clause No.)		/ Queries	
11	Page 28/ Clause No.6 /A-i GPS Dispatcher & Text Messenger Server	i.2. Real time tracking of vehicle on a detailed digital vector map. i.9. Support various online mapping engine e.g. Google Map.	These Clauses are contradicting, Please specify the MAP requirement & the features expected.	Open source – License free MAP is expected. If however any License fee is required that should be paid by the Bidder.
12		General	Considering the size of tender & amt. of ground work for dimensioning the network for Navi Mumbai. We would request 2 weeks extension for bid submission.	--

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