

Clarification in Technical Specifications

Bidder : M/s Arya Communications Pvt. Ltd., Mumbai.

Tender No. - 1936 Serial No –DGP/17/6162/DMR-Navi Mumbai/69/2018

DMR 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/ Clarification
1	Page No.#15	Section A_Site Details for Installation_Inter-Site Radios (On Tabular Column)	Please clarify in details " what is the Intersite Radios"	Intersite radio is the radios used for connecting repeater site- microwave radios for LOS sites and DMR RF patch radios for Non LOS sites. Refer BOM only for quantity.
2	Page No.#15	Section A_SRF channel hardware (On Tabular Column)	Tenderer Intends 18 No.s of Channels (Local and Wide) together. Please confirm which channels are connected in Wide area and share the repeater based network diagram connectivity to understand the network topology in format of Master and peer.	Parsik Hill Repeater will be the Master site and remaining all sites will be the Peer sites.
3	Page No.#16	Proposed DMR Network Diagram of Navi Mumbai Police Commissionarate_Wireless Link	As per Network diagram there is an Indication of Wireless link. Wireless link between "Indian bull bldg RPTR-2", "Ayurvedic College RPTR-2" and "Wood Resort / Barapada RPTR-2"."parasik Hill RPTR Channel-4" & "Control Room". Tenderer Intends for Microwave as a Backhaul. Kindly provide the feasibility report for the Line of Sight (LoS) to establish the link.	Refer pg. No.#25 – Site visit & Radio Coverage. Bidder is supposed to visit and submit detail site survey and radio coverage report prior to quoting.
4	Page No.#18	Static Radios_G. Accessories & Manuals_6Db Antenna & Co-Axial cable submission	Most of DMR Portable Radios doesn't have Cloning cable and Cloning is possible using Programming software. So Kindly omit this Feature	Radio_G. accessories – We have not asked for Cloning cable.
5	Page No. #19, 22, 26, 30,	Warranty Clause for Mobile, Static, Portable, Repeater and Dispatcher	As tender intends for 5 years warranty for All equipments but the life cycle of AAD is not like an radios so we request you to change the clause to: 3 years for Radio main units, 1 year for battery devices, 1 year for all other AAD	Clause stands as it is. Warranty period will be from the date of successful Acceptance Test Procedure (ATP). Warranty for all the equipments including accessories will be 05 (Five) years except

			item line	batteries. Warranty of batteries will be 02 (Two) years.
6	Page No. #29	V. SPECIFICAIONS OF DISPATCHER FOR CONTROL ROOM	For dispatcher connectivity need clarification as follows: i. Does Master repeater required stand by ii. Connectivity Between Master repeaters to the Dispatcher server thru IP (Microwave) iii. Does the server needs any stand by iv. Does Analog patch is an part of this network v. Does local channels needs an GPS tracking at control room	i. Master repeater requires stand by with manual changeover ii. Connectivity Between Master repeaters to the Dispatcher server thru IP (Microwave) iii. Dispatcher requires stand by with manual changeover iv. Analog patch is not the part of this network. v. Local channels needs an GPS tracking at control room
7	Page No. 17	Section B, Technical Specification, Digital Wireless Set, D 3	Humidity requested is 30°C 95% to 60°C 95% from 20°C 95% to 60°C 95% from	95% non condensing (30°C to 60°C)- Accepted
8	Page No. 20	Section B, Technical Specification, Digital Handheld Transreceiver, D 3	Humidity requested is 30°C 95% to 60°C from 20°C to 60°C 95% from	95% non condensing (30°C to 60°C)- Accepted
9	pg. No.#25	H. Mandatory Requirements: #5 Site visit / Radio Coverage	Need an extended time for making a proper survey and Solution freeze. So please Extend the tender date for 3-4 weeks.	Bidder should complete the survey & freeze the solution within stipulated period.
10	Page No # 26	Specification of Microwave Radio Link (1+1) - Qty -06	1) Specifications given in the tender are specific to OEM, in this light kindly confirm weather M/s Maharashtra Police shall accept the MW product/link which will have deviations but meet functional requirement including key criteria of 50Km coverage and latency of less than 10ms along with successful track record at M/s Maharashtra Police? 2) Kindly confirm on quantity of laptops to be given with MW ? 3) Repair training for MW radios cannot be extended . Request you to remove this requirement from MW clause	1) Specifications given in the tender are not specific to any OEM. Bidder should quote the product which complies the tender specification. 2) Quantity of laptop is mentioned in BOM. 3) Clause stands as it is.

			<p>4) Kindly confirm if links are not feasible with towers having mentioned heights in tender due to LOS requirements M/s Maharashtra Police shall arrange the tower at their cost and release payment for supply part on account of delays on this front?</p>	<p>4) Refer pg. No.#25 – Site visit & Radio Coverage. Bidder is supposed to visit and submit detail site survey and radio coverage report prior to quoting.</p>
11	Page No # 35	MW BOM	<p>1) Managed Ethernet Switch Quantity 24 No.'s is asked kindly clarify how this switches are proposed to be connected. or used in the NW? Network diagram do not throw light on this. 2) Can we use router in place of L3 Switch? In this case Makes such as D- Link and Netgear do not has router in their portfolio so can we propose other makes which has proven track record for similar application at Maharashtra Police</p>	<p>1) Managed Ethernet Switch will be used as 1 + 1 (Working + Standby – Manual Changeover) for each MW link. 2)Router is not mentioned in MW BOM.</p>

Clarification in Technical Specifications

Bidder :M/s Syrma Technology Pvt. Ltd., Mumbai.

Tender No. - 1936 Serial No –DGP/17/6162/DMR-Navi Mumbai/69/2018

DMR 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/ Clarification
1	Page 3/clause IX	Latest Test Report along with letter of the tenderer giving technical specifications to the laboratory asking for latest report i.e. on or after March 2018 , of the tendered item should be submitted.	We can submit ILAC (International Laboratory Accreditation co-operation) test certificate / report can be submitted. Please note that these report are generated during product launch or any new feature added to the radio, hence report may not exactly match the date provided in the tender.	Accepted.
2	Page 19/clause H, sub clause 1-Equipment of Demo	At the time of product evaluation bidder should bring adequate qty. of the offered make & model radios, test jig, other test & measuring instruments required to demonstrate full functionality Radio	We request you to waive off the demo for larger participation and smooth tender process OR limited the Demo to 1 rptr, 2 portable and one mobile for testing the feature of DMR tier II radio.	Clause stands as it is.

3	3 Page 19/ clause H, sub clause 7- Warranty	05 years from successful acceptance procedure (ATP). Warranty for all the equipment including accessories is 05 years.	We assume that warranty for handheld radio will be one year from the date of acceptance, kindly clarify	Clause stands as it is. Warranty period will be from the date of successful Acceptance Test Procedure (ATP). Warranty for all the equipments including accessories will be 05 (Five) years except batteries. Warranty of batteries will be 02 (Two) years.
4	Page 19-20- digital radio handheld , clause D, environmental specification, Sub clause 5 IP standard	IP-68	We request to change the IP standard to iP-67 for larger participation from OEM.	Clause stands as it is.
5	page 22, clause 6- Training	Necessary technical training to be given to 30 wireless technical person for two weeks at Police HQ Pune. A) configuration of the system b) component level repairing and maintenance of the system	Operational & Configuration training will be provided, however component level repairing training is not possible. As there is warranty of 05 years and new digital IP-67/68 level radio's are very sophisticated in nature and can not be repaired in general lab environment. We request to delete this clause.	Clause stands as it is.
6			We request you to allow multiple OEM for this requirement to prove the interoperability which one of the prime criteria of DMR Tier II	Refer page 25, clause H-1 Interoperability.

Clarification in Technical Specifications

Bidder :M/s Vertel Infotel Pvt. Ltd.

Tender No. - 1936 Serial No –DGP/17/6162/DMR-Navi Mumbai/69/2018

DMR 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/ Clarification
1	Page No 33 (Sr.No.4)	SMPS Power supply cum battery charger for Static Station.: Charger should have proper indicator and adjustable charging current.	Kindly clarify the feature "adjustable charging current." #Whether manual current adjustment knob is required? OR the power supply unit should have the inherent feature of automatically adjusting the current depending on the health of battery.	Bidders understanding is correct. The power supply unit should have the inherent feature of automatically adjusting the current
2		Type of antenna : #Make: RFI/Comtelco / Sinclair/ DB Spectra/ Telewave /Andrew.	Kindly note these brands of antenna are highly expensive as some of them even cost more than the radio equipment since these are designed for some customized/specific radio network and not available with desired gain. Hence, we request to either broaden the imported brands or add COMET-Japan, Tram-Browning-USA antenna manufacturer OR define the high end generic antenna specifications so that even indigenous antenna should also compete provided it complies with the specification. This may be worthy to mention here that now we have high quality of indigenously made antennas system and the bidders have to anyway maintain system for five years to your satisfaction, so a pragmatic view on the said issue is solicited.	Clause stands as it is.
3	Page no 3 Clause IX	Latest Lab Test Report on or after March 2018	Please omit such time line as amended in previous tender of your dept. also.	Generally, OEMs get their models tested by NABL Accredited lab or ILAC at the

				time of product introduction into the market to confirm that the model is meeting all the planned parameters. Bidder should provide this test report.
4	--	#Cat 6 SFTP cable	Cat 6 armored cable is more resilient compared to Cat 6 SFTP & more suitable for your kind of operation. Please consider.	Clause stands as it is.
5	--	#Warranty	Radio set warranty of 5-year warranty is okay. Please keep the warranty for all other items 1-year in line with industry terms.	Clause stands as it is. Warranty period will be from the date of successful Acceptance Test Procedure (ATP). Warranty for all the equipments including accessories will be 05 (Five) years except batteries. Warranty of batteries will be 02 (Two) years.