

No.14/12/11/11/2018/Prov-19830/ **3794**
Special Protection Group
(Cabinet Secretariat)

Admn. Block, SPG Complex,
Sector-8, Dwarka,
New Delhi- 110 077

Dated : **27 JUN 2019**

CORRIGENDUM NO.2

The following corrigendum is hereby issued to Tender Enquiry No. 14/12/11/11/2018/Prov/19830/3193 dated 01/03/2019 and its corrigendum No. 14/12/11/11/2018/Prov/19830/6952 dated 10/05/2019 for "DESIGN, SUPPLY, INSTALLATION, INTEGRATION, TESTING AND COMMISSIONING OF LATEST RELEASE DIGITAL OPEN STANDARD APCO PHASE-II SYSTEM" through Global (open) Tender basis under two bid system :

(a) CRITICAL DATE SHEET OF TENDER ENQUIRY

Sl.No.	Time Lines of Tender Enquiry	For	Read
1	Document download end date	08/07/19 (1600 hrs)	06/08/2019 (1600 hrs)
2	Last date & time for uploading of online tender	09/07/2019 (1600 hrs)	06/08/2019 (1600 hrs)
3	Date and time for opening of online technical bid	10/07/2019 (1600 hrs)	08/08/2019 (1000 hrs)

(b) CHAPTER-1 (INSTRUCTION TO BIDDER)

Sl.No	Tender Clause	For	Read
1	Clause-11.2 (Sl.No.2) Pre-qualification criteria for Indian Bidders (page-14),	In case of Authorized system integrator , the system integrator firm itself should have proven experience in setting up of complete APCO phase-2 system nationally/ globally during the last 5 years and have completed projects having aggregate value of Rs 20.00 Crore with at least one project value of Rs 10.00 Crore and should meet all the criteria of tender.	The authorized system integrator or OEM, should have proven experience in setting up of complete APCO Phase-2 system nationally/ globally during the last 7 years and have completed projects having aggregate value of Rs. 20.00 Crore with at least one project of Rs.10.00 Crore and should meet all the criteria of tender. A documentary proof shall be uploaded with the technical bid either by Authorized system integrator or OEM.

2	Clause-11.2 (Sl.No.3) Pre-qualification criteria for Indian Bidders (page-15),	The OEM should have proven experience in setting up of complete APCO phase - 2 system/ services nationally/ globally during the last 5 year aggregating value of Rs 20.00 Crore with at least one project value of Rs 10.00 Crore.	The authorized system integrator or OEM should have proven experience in setting up of complete APCO phase - 2 system/ services nationally/ globally during the last 7 year aggregating value of Rs 20.00 Crore with at least one project value of Rs 10.00 Crore.
3	Clause-11.2 (Sl.No.6) Pre-qualification criteria for Indian Bidders (page-16)	The bidder or OEM /authorized system integrator /JV should have APCO phase-2 OEM authorized service centre in Delhi / NCR or alternately the bidder shall give an undertaking for setting up the service centre in Delhi / NCR within 15 Days from the date of provisional acceptance order	The bidder or OEM /authorized system integrator /JV should have APCO phase-2 OEM authorized service centre in Delhi / NCR or alternately the bidder shall give an undertaking for setting up the service centre in Delhi / NCR within 45 Days from the date of provisional acceptance order.
4	Clause-11.2 (Sl.No.7) Pre-qualification criteria for Indian Bidders (page-16)	The APCO phase-2 OEM should have registered office established in India or give an undertaking for setting of the office in India in Delhi/NCR within 15 Days from the date of provisional acceptance.	The APCO phase-2 OEM should have registered office established in India or give an undertaking for setting of the office in India in Delhi/NCR within 45 Days from the date of provisional acceptance.
5	Clause-11.2 (Sl.No.11) Pre-qualification criteria for Indian Bidders (page-16)	The radio system infrastructure (base station and switching), radios (portable, mobile & static) and portable conventional repeater shall be of same OEM.	The Radio System infrastructure (base station and switching), radios (portable, mobile & static) shall be of same OEM. Conventional repeater can be of partner of OEM but service/maintenance should be by OEM. All bidders are requested to quote portable conventional repeater with provision of series interconnection of two conventional repeaters over IP medium optional item at Sl.No.8 in Chapter-3.

(c) CHAPTER-2 (CONDITION OF CONTRACT)

Sl.No	Tender Clause	For	Read
6	Clause-10.7(v) (page-29)	- The Purchaser shall have the right to reject the complete System if, in its opinion the same does not meet the Agreed Specifications and if the Supplier does not set right the shortcoming in the System, within 30 days of written intimation to the supplier.	The Purchaser shall have the right to reject the specific item if in its opinion the same does not meet the Agreed Specifications and if the Supplier does not set right the shortcoming in the System (technical glitch if any), within 30 days of written intimation to the supplier.
7	Clause-23(c) (page-34)	The bidder shall provide proper signal level (-85 dbm) to the Metro locations, outside Metro Station and facilitate the Metro in feeding the signal to their combiner / bi-directional amplifier (BDA).	The bidder shall provide proper signal level (-95 dBm) inside Metro station located above ground level , -85 dBm signal level outside Metro Station and facilitate SPG in feeding its signal to Metro's RF combiner / bi-directional amplifier (BDA).
8	Clause-23(d) (page-34)	The prospective bidders to submit portable inbound/outbound RF coverage calculations and coverage plots of Delhi and NCR considering 03 numbers of repeater sites with minimum -85 dbm signal strength on road and open area and -95 dbm signal within the building having single wall with 95% reliability and having Delivered Audio Quality (DAQ) = 4 or above, to confirm that the required RF coverage stated above can be achieved.	The prospective bidders to submit portable inbound/outbound RF coverage calculations and coverage plots of Delhi and NCR considering 03 numbers of repeater sites with minimum -85 dbm signal strength on road and open area and -95 dbm signal within the building having single wall with 95% reliability and having Delivered Audio Quality (DAQ) = 3.5 or above, to confirm that the required RF coverage stated above can be achieved.
9	Clause-23(e) (page-34)	The RF coverage is defined as the digital Bit Error Rate(BER) that provides a minimum Delivered Audio Quality (DAQ) - 4 or above audio signal for both outbound (Talk out) and inbound(Talk back) communications with 95% reliability from a location (to be tested at different time periods).	The RF coverage is defined as the digital Bit Error Rate(BER) that provides a minimum Delivered Audio Quality (DAQ) - 3.5 or above audio signal for both outbound (Talk out) and inbound(Talk back) communications with 95% reliability from a location (to be tested at different time periods).

10	Clause-23(g) (page-34)	The audio quality shall be tested by the joint team of successful bidder and Purchaser at different places in Delhi city. DAQ-4 or above audio signal for both outbound and inbound should be ensured by the successful bidder.	The audio quality shall be tested by the joint team of successful bidder and Purchaser at different places in Delhi city. DAQ-3.5 or above audio signal for both outbound and inbound should be ensured by the successful bidder
11	Clause-23(h) (page-35)	The signal/audio quality to be tested inside the building (15%), outside on the fringe area of the coverage (50%), vital locations (25%), underground metro stations of metro (10%), etc.	The signal/audio quality will be tested inside the building with -95 dBm signal level at 15% locations, outside on the fringe area of the coverage with -85 dBm signal level at 50% locations, inside vital locations with -95 dBm signal level at 25% locations and in Metro Station located above ground level with -95 dBm signal level at 10% locations etc.
12	Clause-24(a) (page-35)	Suitable Radio Communication Test Set having all technical features of Base Station, Mobile, Static, handheld sets and accessories etc. for APCO P25 Phase II Trunked Radio System with auto test and auto alignment facility.	Suitable Radio Communication Test Set having all technical features of Base Station, Mobile, Static, handheld sets and accessories etc. for APCO P25 Phase II Trunked Radio System with auto test.

c) **CHAPTER-2 (CONDITION OF CONTRACT)**

(d) The following clauses are hereby added in the Tender Enquiry as per details given below:-

S.No	Tender Clause	In addition
13	Chapter-2, Clause-5.2 (page-25) - Acceptance at Site and SAG clearance: The Final Payment of remaining 50% of the Contract Price along with applicable taxes shall be paid after successful installation, commissioning, testing, integration and SAG clearance of the all crypto product involve in the entire system and final acceptance of all sites, system and all crypto product (all secured radios, secure console, KVL and KMF etc) by SPG. No interest will be payable by the Purchaser in case of delayed payments	<u>In addition to the clause:-</u> Bidder will submit an ink signed certificate that "OEM will provide all necessary technical details and assistance for smooth and early evaluation of all crypto product by Indian Evaluating Agency (SAG)".
14	Clause-42 of Chapter-2 - Termination for convenience- The purchaser shall have the right to terminate the contract in whole or in part at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of work under the contract is terminated and the date upon which such termination becomes effective.	<u>In addition to the clause:-</u> However, payment to the bidder will be made depending upon the extent to which work is completed under the contract.

15	<p>Chapter-2, Clause-46 -Exchange Rate Variation (ERV): Bidders should indicate import content(s) and the currency(ies) used for calculating the value of import content(s) in their total quoted price, which (i.e. the total quoted price) will be in Indian Rupees. The bidders should indicate the Base Exchange Rate for each such foreign currency used for converting the Foreign Exchange content into Indian Rupees and the extent of foreign exchange rate variation risk they are willing to bear. To work out the variation due to changes (if any) in the exchange rate(s), the base date for this purpose will be the due date of tender submission date. Variation in exchange variation rate beyond $\pm 3\%$ will be allowed from the base date and date of remittance to foreign principal. Variation in exchange rate from tender submission date to till the payment to the foreign principal will be taken into account for payment purpose. In case delay in delivery, the delay period shall not be taken into account for any increase in cost except in case of force majeure. However, in case of decrease in exchange rate beyond the due delivery date, the benefit of the same will be passed on to the SPG. The applicable exchange rates as above will be according to the TT Selling Rates of Exchange as quoted by authorized Exchange Bankers approved by the Reserve Bank of India on the dates in question. In case Delivery period is re-fixed/extended, ERV will not be admissible, if this is due to default of the supplier. The following documents should be furnished by the supplier for claiming ERV:-</p> <ul style="list-style-type: none"> (a) A bill of ERV claims enclosing working sheet. (b) Banker's Certificate/debit advice detailing F.E. paid, date of remittance and exchange rate. (c) Copies of import order placed on supplier. (d) Invoice of supplier for the relevant import order.
16	<p>Chapter-2, Clause-47, Repeat order: Purchaser reserves the right to place repeat order upto 50% quantity of the store/project (including installation & commissioning) under the resultant contract of this tender enquiry within 6 months from the date of supply/successful of the contract with the same cost, terms and conditions. The firm is to confirm the acceptance of this clause. It will be entirely at the discretion of SPG to place the repeat order or not.</p>
17	<p>Chapter-2, Clause-48, Declaration of Obsolete/End of Life: OEM/ Authorized System integrator will intimate in writing regarding declaration of equipment/servers/parts/software's etc. involved for successful implementation of complete APCO P25 Phase 2 System (including third party equipment supplied) as obsolete or End of Life (EoL) to the SPG at least one year before declaring it obsolete / End of Life so that process for updating/up-gradation can be planned accordingly.</p>
18.	<p>Chapter-2, Clause-49, Option Clause- The purchaser reserves the right to place order on the successful bidder for additional quantity upto 50% of the quantity given in the tender at the time of placement of order or during the currency of the contract. However, while exercising one or both (Option clause and repeat order clause), the overall ceiling of 50% of the original contracted quantity shall not be exceeded.</p>

- (e) During pre-bid conference, the various points/tender conditions have already been explained to the participated firms. However, clarifications on important issues raised during the pre-bid conference are compiled in Appendix-X as attached for information to the prospective bidders.
- (f) Further, there is some amendment in Chapter-3(Schedule of Requirement/BoQ) and Chapter-4 (Technical Specification). Chapter-3 (amended schedule of requirement/BoQ) and Chapter-4 (Amendment/clarification of technical specification, technical specification of Microwave equipments, Technical specifications of Radio and cellular band integrators and technical specifications of IP based 64 channel Voice Logger etc) may be collected offline (by hand) from the Office of the AIG(Communication), Special Protection Group, No.1, Safdarjung Lane, New Delhi-110011, (Telephone No.23010772/23010081) with an undertaking regarding participation in bidding process.

2. All other terms and conditions of above tender will remain unchanged.


(A.V.S. Kaliyar)
Asstt. Inspector General (Prov)

AVS KALIYAR
AIG (Prov)

N.O.O.

Copy to :-

✓ AIG(DS) for publication in SPG Web Site
AIG(Comm) for information.

Appendix-X

The queries (Written/Verbal) have been raised by the firms during pre-bid meeting and decision /clarification of SPG are furnished as under:-

Sl.No.	Tender Clause	Queries raised by M/s Sanchar Telesystem Limited	Decision & Clarification of SPG on the issues
1	Chapter-1, Clause-11.2 (Sl.No.14) (Pre-qualification eligibility criteria for Indian bidders), (page-17) As per terms for field evaluation, the bidder shall give live demonstration of APCO phase -II systems and portable conventional repeater in India/ aboard within the stipulated time period of tender. Failure to do so within stipulated time shall be deemed rejection of the bid.	Please specify how many Officers are required to visit abroad/OEM location, in case demo is arranged outside India.	Clarification:- The Firm/OEM should preferably give demo of proposed equipment in SPG premises/ or in India, in only unavoidable circumstances demo can be seen outside India. However, if required approx. 6 to 8 Officers may visit abroad/OEM location, in case demo is arranged outside India.
2	Chapter-1, clause-11.4(d)(Sl. No.1) (page-20) - Demonstration License for the equipment to be demonstrated i.e for APCO Phase-II, 800 MHz Base station Repeater, Portable Conventional Repeater, APCO Phase - 2 Radios (Portable, static and mobile) and Microwave link subject to demo is conducted on the purchaser premises/site.	The specific demonstration License for 800 MHz system cannot be arranged now and can be arranged only after issue of demonstration letter for SPG after pre-qualification of the bid. Further demonstration license is required for arranging demo at your location in India. In case of demonstration of abroad demo license is not required. Requests modify this clause regarding submission of demonstration license.	Clarification:- Specific demonstration License for 800 MHz system i.e. for APCO Phase-II 800 MHz trunking Repeater, Portable Conventional repeater, APCO Phase-2 Radios (Portable, Static and Mobile) and Microwave link will be required during Technical evaluation only. SPG will provide necessary assistance for demo license.

Sl.No.	Tender Clause	Queries raised by M/s SYRMA Technology Pvt. Ltd	Decision & Clarification of SPG on the issues
3	<p>Chapter-1, para-5.8 (page No.7) - The L-1(lowest firm) will be decided by taking into account the total cost of the equipment after loading all duties, taxes, insurance and inland freight charges i.e. FOR destination cost plus LC charges to be borne by SPG, if applicable and CAMC (Comprehensive AMC) charges for 05 (Five) years on NPV basis. The CAMC rates will be considered as a loading factor. The CAMC charges for 05 years will be loaded in the project price for deciding the lowest bidder. In case both Indian and foreign bidders have quoted in the tender, the comparison of the offers would be done on the basis of FOR/FOT destination including all applicable taxes and duties (On the principle of the total outgo from Procuring Entity's pockets). In case there are no domestic bidders, a comparison of offers can be made on the basis of CIF/landed costs since the rest of costs would be same for all bidders</p>	<p>This clause is contradicting with Chapter-3 schedule of requirement where AMC is kept as optional requirement. We hope that AMC is mandatory part in deciding L1. Kindly confirm & amen chapter-3 optional items accordingly.</p>	<p>Clarification:- L-1 (Lowest firm) will be decided by taking into account of 05 years CAMC charges. Sl.No.3 of optional item in chapter-3 (five years AMC after warranty) has been removed from optional items list and included in main item list at Sl. No.16 of amended schedule of requirement.</p>
4	<p>Chapter-1, clause-11.4(d)(Sl. No.1) (page-20) - Demonstration License for the equipment to be demonstrated i.e for APCO Phase-II, 800 MHz Base</p>	<p>Kindly note that getting demo license is lengthy procedure and usually require minimum 90-120 days or more based on the</p>	<p>Clarification:- Field trial/survey/technical evaluation to be restricted to single site with at least 2 Nos. APCO phase-2 trunking repeaters (800 MHz) at proposed site along with allied</p>

	station Repeater, Portable Conventional Repeater, APCO Phase - 2 Radios (Portable, static and mobile) and Microwave link subject to demo is conducted on the purchaser premises/site.	DoT/WPC norms. Hence we request you to remove this clause from the technical evaluation or provide sufficient time to submit demo license. Secondly, request the department to limit the field trials to single site with 2 base stations, 1 conventional repeater, 2 mobiles & 3 Portables only which will allow Indian bidder to bring the demo equipment for field trial in Delhi.	accessories mentioned in tender (i.e. Antenna, TTA, RMC etc), 02 Mobile Radio and 03 Portables radios (with surveillance kit) and 01 conventional repeater with duplexer. Installation of a exclusive MSO for field trial/technical evaluation can be exempted. However, bidder has to give a live demo on an existing operational system of APCO Phase-II in India/abroad with more than 01 site in wide area trunking (microwave/fiber optical with auto switch over connectivity) and with MSO, redundant MSO, KMF (OTAR) and dispatch console with all feature of NMT/NMS asked in the tender.																								
5	Chapter-1, clause-11.4(d)(Sl.No.3) Communication networking and Electrical layout at the base station sites (to be submitted separately for each base station site, control centre and dispatch centers)	Submission of Communication networking and electrical layout at base stations is not feasible at tendering stage. However, a tentative layout will be submitted for each base station during tender stage. A detailed layout will be submitted before Acceptance test procedure (ATP). Kindly confirm.	Clarification:- A detailed layout is required to submit before acceptance test procedure (ATP).																								
6	Chapter-1, clause-11.4(d) (Sl.No. 7 to 11 & 13, (page-20)	We request esteemed department to provide site details alongwith coordinates & required tower height for better understanding & budget calculations	<p>Details of proposed microwave sites are mentioned below:-</p> <table border="1"> <thead> <tr> <th>S. No.</th><th>Site</th><th>General Area</th><th>Max Height</th></tr> </thead> <tbody> <tr> <td>1</td><td>A</td><td>Safdarjung Lane</td><td>36 Mtrs.</td></tr> <tr> <td>2</td><td>B</td><td>SPG Complex</td><td>29.5 Mtrs.</td></tr> <tr> <td>3</td><td>C</td><td>Pitampura</td><td>165 Mtrs.</td></tr> <tr> <td>4</td><td>D</td><td>Janpath</td><td>85 Mtrs.</td></tr> <tr> <td>5</td><td>E</td><td>DLF</td><td>90 Mtrs.</td></tr> </tbody> </table>	S. No.	Site	General Area	Max Height	1	A	Safdarjung Lane	36 Mtrs.	2	B	SPG Complex	29.5 Mtrs.	3	C	Pitampura	165 Mtrs.	4	D	Janpath	85 Mtrs.	5	E	DLF	90 Mtrs.
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7	<p>Chapter-1, clause-11.5 (a) (page-21) - The bidders shall arrange Technical presentation and live demonstration of the quoted System i.e APCO Phase-II system and Conventional Repeater during the period of technical evaluation to show that their quoted System fully conforms to this tender technical specifications.</p> <p>Clause-11.5(d)(v)- Field trial/survey/ technical evaluation of installed APCO Ph-II base stations in standalone (Site trunking) and wide area configuration using proposed at least five each Handheld with surveillance kit, five each Static/mobile sets along with necessary accessories (fitted in vehicle).</p> <p>Clause-11.5(d)(vi) - All the technical parameters of the APCO Phase-II system and major components viz. NMT/NMS, Dispatcher Console etc</p>	<p>Kindly note that getting demo license is lengthy procedure & usually require minimum 90-120 days or more based on the DoT/WPC norms. Hence, we request to remove this clause from the technical evaluation or provide sufficient time to submit demo license. Secondly, request the department to limit the field trials to single site with 02 base stations, 1 conventional repeater, 2 mobiles & 3 portables only which will allow Indian bidder to bring the demo equipment for field trial in Delhi.</p>	<p>Clarification:- Technical parameters can be tested on one site (site trunking mode) with two APCO P-25 Phase-II trunking repeater set up. Testing of Master Switching Office (MSO), Redundant MSO, KMF (OTAR), dispatch console, all feature of NMT/NMS and microwave link/fiber optics link etc. can be tested at Vendor premises/sites in or outside India. For field trial/survey/technical evaluation of quoted equipments in Delhi and outside Delhi, test /measuring equipment are to be brought by the bidder only. Further, clarification given at Sl.No.2 & 4 of above may also be referred to.</p>																

	specified in the tender shall be demonstrated using appropriate test equipment to be brought by the bidder for Field trial/survey/technical evaluation alternatively the bidder can arrange for Field trials/survey/technical evaluations at any installed and operational user location or any government lab at their own risk and on 'No cost, No commitment' basis.		
8	Chapter-2, Clause-5.2 (page-25) - Acceptance at Site and SAG clearance: The Final Payment of remaining 50% of the Contract Price along with applicable taxes shall be paid after successful installation, commissioning, testing, integration and SAG clearance of the all crypto product involve in the entire system and final acceptance of all sites, system and all crypto product (all secured radios, secure console, KVL and KMF etc) by SPG. No interest will be payable by the Purchaser in case of delayed payments.	We hope that SAG clearance will be done prior to dispatch of material from OEM premises. Also kindly confirm the delivery period will start from the date of SAG clearance.	Decision- No change. However, it is clarified that:- (a) As per clause 8.1 of Chapter-2, Delivery of store shall be completed by supplier within 16 weeks of date of award of contract (AT) or issue of import license whichever is later. (b) As per clause-12, Chapter-2, the selected bidder within 2 weeks of date of issue of AT shall deposit two secure radio terminal (all kind) with proposed in built encryption and 01 secure equipment terminal (KVL, KMF and dispatch console) with all necessary technical details/support to Indian Evaluating Agency. (c) Furthermore, bidder will submit an ink signed certificate that "OEM will provide all necessary technical details and assistance for smooth and early evaluation of all crypto product by Indian Evaluating Agency". (d) Crypto Evaluation is a mandatory requirement of the tender which need to be fulfilled by selected bidder.

9	Chapter-2, Clause-7.2 (page-26) - IMPORT LICENCE - The related licenses for import of ACPO Phase-II system and wireless sets shall be responsibilities of the bidders from all the Government organizations. The contractor will have to apply to the proper Government Authority for grant of requisite import licence for such items as require import, within 30 days of the signing of contract and the purchaser will only render such assistance as considered necessary	Getting license is directly related to valid DTGL from WPC, we hope that SPG will provide valid DTGL alongwith contract to get the import license within 30 days. Kindly clarify.	Decision - No change. However, it is clarified that SPG will provide necessary decision to grant license (DGTL) for RF equipment's from WPC. Firm will have to get import license on their own.
10	Chapter-2, Clause-10.1(e) (page-27) - Inter site Microwave link connectivity and fail soft condition.	We wish to bring to your notice than Microwave link is third party item. Hence request to limit the FAT to APCO 25 Phase-II system only.	Decision - No change. However, it is clarified that during factory ATP (FAT/PDI), OEM shall demonstrate the inter-site connectivity, Wide area Trunking, redundant MSO connectivity and Fail soft condition through wired/wireless connectivity such as Optical Fiber link/ Microwave link and certify that above mentioned feature will work on both Microwave link and Fiber optics link with auto switchover facility.
11	Chapter-2, Clause-12 (System Security) (page-30) - The selected bidder within 02 Weeks of date of issue of AT shall provide 02 secure radio terminal (all kind) with proposed encryption in built (Handheld, Static and Mobile radio) and 01 No secured equipments (Secure Console, KVL, KMF etc) consist of	Request SPG to cover the required quantity in DTGL for obtaining import license to customs clear the terminals for SAG approval. Kindly confirm. Also request SPG to share the copy of DTG/WoL during import of these items.	Decision - No change as clarified at Sl.No. 8 & 9 above. However, it is further clarified that since license will not be required for non RF equipment's such as KVL, dispatch console and KMF server etc., hence DGTL will be provided for only RF equipment's.

	Secure algorithm along with all the necessary technical documentation/support for its evaluation from Indian Evaluating Agency. This is mandatory requirement which need to be fulfilled.		
12	Chapter-2, Clause-21.1- (page-33) - The successful bidder shall perform radio frequency planning ensuring efficient use of the available frequency pairs. The frequency plan including calculations shall be submitted to SPG for review, as part of the Design stage. The system shall operate in 800 MHz band with minimum channel separation 12.5 KHz.	As per knowledge and the present norms of DoT/WPC the available frequencies cannot be reused. SPG has to apply for new digital license and surrender the existing one, however the best suitable frequency plan will be submitted during design stage as per clause-21.4 of the tender document.	Decision - No change. However, it is clarified that SPG will provide new sets of frequencies for APCO Phase-II trunking system.
13	Chapter-2, Clause-21.2- (page-33) - The successful bidder shall perform radio frequency planning for microwave link ensuring efficient use of the available frequency pairs. The frequency plan including calculations shall be submitted to SPG for review, as part of the Design stage		Decision - No change. However, it is clarified that SPG will apply for new sets of frequencies for Microwave frequency spots preferably in 7/13 GHz as per available frequencies with WPC.
14	Chapter-2, Clause-23(b) (page-34) - The proposed system must provide in building coverage throughout Delhi and NCR	a) In building coverage is not guaranteed, with minimum (-85dB) signal level proposed, we can expect some in building coverage above ground level where external walls, doors and windows are in close proximity.	Clarification:- (1) In-building coverage is required throughout Delhi and prominent cities of NCR region i.e. Ghaziabad, Noida, Gurugram and Faridabad with -95dBm signal within the building having single wall with 95% reliability.

		b) SPG should provide the details of prominent building where coverage is necessary, without this knowledge it will be very difficult to make assessment how many additional equipments would be required to fulfil these criteria. We request to clarify more this requirement.	(2) Bidder should quote for one set of standard equipment's for in-building solution (IBS) in the form of Bi-Directional Amplifier (BDA) etc. as mentioned at Sl.No.6 of Optional item under Chapter-3 (amended Schedule of requirement) (3) Exact No. of IBS required will be intimated in the contract/ AT.
Sl.No.	Tender Clause	Queries raised by M/s Motorola Solution Pvt. Ltd	Decision & Clarification of SPG on the issues
15	Chapter-1, Clause-1.3 (Page-4) - The related licenses for import of latest release APCO Phase-II System and wireless radio sets including Microwave terminals shall be the responsibility of the bidder from all government organizations. However, SPG will provide necessary support for completing all relevant formalities for obtaining licenses	We understand that SPG already has an existing CMRTS/frequency license. Bidder shall apply for the Import License on the basis of CMRTS/Frequency License and SPG will pay all the applicable fees to relevant DoT/WPC authorities. Please confirm the understanding is correct.	Decision - No change. However, it is clarified that SPG will provide necessary Decision To Grant License (DGTL) for RF equipment's from WPC. Firm will have to get import license on their own.
16	Chapter-1, Clause-11.4(d) (Sl.No.4) - Microwave network layout with redundant configuration for backhaul to reach the control centre. (Sl.No.7) - Path profile diagrams for microwave links.	Please provide GPS coordinates of site locations with tower heights for this to be calculated.	Decision - Agreed and clarified that proposed microwave site and their maximum height are mentioned at Sl.No.6 above. For point No. 4 & 7 detailed layout will be submitted during Acceptance Test Procedure (ATP).
17	Chapter-1, Clause-11.4(d) (Sl.No.6) - Tower design with appropriate load considerations to withstand maximum wind speed of 150 kmph as per	Tower requirement is not mentioned in the Tender Schedule of Requirement (Chapter-3). Please confirm if towers are to be	Decision - Agreed and clarified that for point No.6 detailed layout will be submitted during Acceptance test procedure (ATP). Bidder may quote for one No. 30 meter Antenna Tower

	specifications	supplied as a part of this tender.	with all supporting base and element as part of Sl. No.11 of Schedule of requirement in Chapter-3.
18	Chapter-1, Clause-11.4(d) (Sl.No.10) - Individual coverage diagrams for each base station with -85 dbm signal strength indications. (Sl.No.11) - Combined expected coverage diagram with -85 dbm signal strength indications	Please provide GPS coordinates of site locations with tower heights for this to be calculated.	Decision - Agreed and clarified that the proposed site and their maximum height are mentioned at Sl.No.6 above. For point No.10 & 11 detailed plot will be submitted during Acceptance test procedure (ATP).
19	Chapter-8 & 9, Clause-3 (vi) Voice Logger under Severity Level-1	Voice logger is not stated in the schedule of requirement under Chapter-3. Hence, we would like to request that clause related to Voice Logger are removed from Chapter-8 & 9.	Clarification:- 01 No. IP based 64 channel Digital Voice logger for APCO P25 Phase II system will be part of Chapter-3 (amended schedule of requirement) as mentioned at Sl.No.18. This equipment will remain under severity level-1 of Chapter-8 & 9.
20	Chapter-8 (Terms & conditions for warranty service & maintenance), Clause-3 (vii),(viii) & (ix) under Severity level-2	We understand that engineer visit is not required for these items at the time of failure. As a practice, the failed radios and accessories are replaced from SPG stores and programmed by SPG team. Please confirm if our understanding is correct.	Clarification: OEM representative visit is not required immediately at the time of failure of these items mentioned at Chapter 8 & 9 (Warranty and post warranty) i.e. within 02 hours as per Severity Level-2. However, suitable replacement of faulty equipments mentioned in Clause-3 (vii),(viii) & (ix) under Severity level-2 will be provided by OEM/its representative within 03 weeks.

(A.V.S. Kaliyar)

Asstt. Inspector General (Prov)

AVS KALIYAR
AIG (Prov)