

AMENDMENT NO. 1

On the basis of the Pre-bid meeting held on 09.02.2016 on the e-tender regarding "Provisioning & Integration of Wi-Fi Hotspots, Interactive Information Kiosks, Surveillance Cameras, Environmental Sensors, Smart lighting solution and Remote Kiosks along with Facility Management Services"; the following changes / amendments / addenda in the Bid document are hereby issued-

Sr. no.	Relevant clause no. page no.	Existing relevant clause/ description	Amendments/addenda/ changed clause
1	Section 2: Eligibility Criteria -4. Turnover - Documents Required - on page no. 11	Audited and Certified Balance Sheet and Profit/Loss Account for the last FIVE Financial Years should be enclosed.	The word FIVE to be replaced with word " THREE "
2	Section 2: Eligibility Criteria -5. Technical Capability-Specific Requirements- on page no. 11	The Bidder or any of the parties of the consortium/ JV partner must have successfully completed, during last Five financial years as on 31.03.2015, at least the following numbers of Wi-Fi systems & CCTV Surveillance System of value specified herein:	The word FIVE to be replaced with word " THREE "
3	Section 4: Instructions to Bidders - clause no. 24 (d) Performance Security on page no. 41	Initially the Performance security for 10% amount of the Contract value shall be furnished in the form specified as above, which shall be kept valid upto 90 days beyond the schedule date of completion of the project i.e. 6 months as specified in the NIB; which shall be released after successful implementation of the project and thereafter another Performance Security @10% of the 30% of the Contract Value shall be submitted valid upto 90 days beyond the schedule date of completion of 3 years O&M period after successful completion of the project.	This clause is replaced as under – d) Performance security furnished in the form specified as above shall remain valid for a period of 90 days beyond the date of completion of all contractual obligations of the bidder, including warranty obligations and maintenance and defect liability period.
4	Annexure 2: Technical Specifications – page no 74	Item : Access Switch (Outdoor Use)	This item is to be replaced with Technical Specification of Item : Wireless Outdoor Access Point which is as under

Wireless Access Point – Outdoor

- Access Points proposed must include radios for both 2.4 GHz and 5 GHz.
- Must include dual band antennas to support both the 2.4GHz and 5GHz operations simultaneously from single antenna.
- Access Points must be configurable via software to support dual-band OR single-band antennas.
- Must support 2X2 multiple-input multiple-output (MIMO) with two spatial streams
- Must support data rates up to 300 Mbps.
- Must support 40 MHz wide channels on both radios.



- Must support 802.11 dynamic frequency selection (DFS)
- Access Point should support Wireless Backhaul , point-to-point, point-to-multipoint bridging
- Must support Encrypted and authenticated connectivity between all backhaul components
- Mesh Nodes shall provide a 'wired' interface for connection to local area networks or backhaul of local clients.
- Access Point must incorporate radio resource management for power, channel, coverage hole detection and performance optimization
- Access point shall support powering from AC Adapter, DC and POE (802.3at+).
- Access point shall support pole, wall, and roof mounting options.
- The Access point shall be IP67 rated for dust and water ingress
- The Access point shall be rated for operation over an ambient temperature range up to 60°C .
- Should have two RJ-45 auto-sensing 10/100/1000 Mbps ports and a console port.
- Should be Wi-Fi alliance certified for interoperability with all IEEE 802.11a/b/g/n client devices.
- Should support up to 16 SSID profiles per radio and each profile shall be independently configurable for authentication, encryption, VLANs, and QoS levels.
- Should support detection & prevention of wireless threats on 2.4GHz & 5GHz frequency bands.
- Should support SNMP, CLI, and web-based management interfaces
- Should support self-healing, self-optimizing local mesh extending network availability to areas without an Ethernet infrastructure
- Must support both centrally controlled mode (configured and updated via wireless controller) and autonomous mode (without controller) which is software selectable
- Should support L2 and L3 controller discovery
- Should be able to support Band select to shift 5 Ghz clients on less congested 5 GHz band radio.

Sr. no.	Relevant clause no. page no.	Existing relevant clause/ description	Amendments/addenda/ changed clause
5	Annexure 2: Technical Specifications	Certifications of devices mentioned in Annexure 2	Items/devices wherever certification is required shall be UL/CE/IEC/NABL certified.
6	Annexure 2: Technical Specifications (page no. 87)	IP Surveillance Systems - Type 1- PTZ - High Definition - point no. 11 & 12	Digital I/O - DI X 4 to be replaced with DI X 1 & DO X 2 to be replaced with DO X 1
7	Annexure 2: Technical Specifications (page no. 101)	Control Room Video-wall Solution- Video-wall Screen	Configuration- 4 (C) X 2 (R) to be replaced with 3(C) X 2 (R)
8	Annexure 2: Technical Specifications (page no. 102)	Control Room Video-wall Solution- Video-wall Screen	Point no. 33 is added after point no 32 as under – Dual Redundant Power supply For Complete Optical Engine & Input Box
9	Annexure 2: Technical Specifications (page no. 103 & 104)	Storage Server for Video Management and Storage	The remarks column stands deleted
10	Annexure 3: Technical Bid Evaluation Checklist (page no 106 & 107)	Part – B: Eligibility Criteria Specific Requirements & Documents Required	Word FIVE wherever appearing is to be replaced by THREE
11	Annexure-15 A & B (page no 123 to 128)	Bank Guarantee Format	Existing Annexure-15 A: Bank Guarantee Format – Performance Security (equivalent to 70% of

			contract price for implementation phase) and Annexure-15 B: Bank Guarantee Format – Performance Security (equivalent to 30% of contract price for O&M phase) is to be replaced with Annexure-15 : Bank Guarantee Format– Performance Security. The format of the BG remains the same.
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All other terms & conditions of the Bidding documents remain same.


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(Sanjeev Sachdev)
Executive Engineer (Elect.-II)
Procuring Entity
