RESPONSE TO QUERIES: CLARIFICATION CUM CORRIGENDUM
against Tender Ref No.: IITP/S&P/EPR/1/SS-1/2019-20 dated 18.12.2019.

Sl. No.	Description	Tender Specification	Revised Specification
1	Essential Eligibility Criteria	**Page No.06 Sl. No. 4** The bidder should have a successful track record and should **have at least one implementation of similar work (Installation & Commissioning of CCTV Surveillance System) of minimum Rupees one crore (Rs.1 Crore)** in any IIT, NIT, IISER, Institute of national importance, PSU or **corporate**. The bidder must provide the relevant PO's/Letter of award of work and completion certificate for the same.	The bidder should have a successful track record and should have implemented **of similar work (Installation & Commissioning of CCTV Surveillance System) at any of the following** **a) At least three of Rs.70 Lakhs each or more,** **b) Or at least two of 1 Crore each or more,** **c) Or at least one of 2 Crores** in any IIT, NIT, IISER, Institute of national importance, PSU or **Universities**. The bidder must provide the relevant PO's/Letter of award of work and completion certificate for the same.
2	Delivery	**Page No.11 Sl. No. 5** **Delivery:** Unless otherwise stated delivery of goods shall be at IIT Patna and will have to be effected maximally within **14 (fourteen) weeks** from the date of issue of the Purchase Order. All aspects of safe delivery shall be the exclusive responsibility of the vendor.	**Delivery: Within 8 (eight) weeks**
3	4. Technical & Financial bid	**Page No.15 Sl. No. 3)** Detailed Un-priced BOQ corresponding to high level architecture given in **section 25**.	Detailed Un-priced BOQ corresponding to high level architecture given in **Annexure XVIII at page 75**
4	Camera and End User Device	**Page No: 29** Section-A Sl. No.2, 7 & 19 2)The camera shall have a sensor of **4MP** resolution and have a True day/night capability	2)The camera shall have a sensor of **2MP & above** resolution and have a True day/night capability

		7) The Camera should have inbuilt Video Content Analytics i.e. Camera Tripwire, Abandoned/Missing, Audio Detection, Intrusion, Face Detection, Crossing line, Object removal & People counting	7) **Clause deleted.**
		19) The housing shall be outdoor rated having **IP 67** rating for ingress protection.	19) The housing shall be outdoor rated having **IP 66/ IP 67** rating for ingress protection.
5	Specifications of ONVIF Conformant, UL Listed Day/Night True IP Full HD Infrared PTZ Camera	**Page No: 30** Section-A Sl. No.1, 7,13 & 14 1) The camera shall have a sensor of **4MP** resolution and have a True day/night capability 7)The Camera should have inbuilt Video Content Analytics i.e. Camera Tripwire, Cross Warning Zone, Motion Detection, Intrusion Detection, Audio Detection, People counting, Face Detection. 13)The camera should have Optical glass window with higher light transmittance and IR anti-reflection. The infrared transmittance can be increased & have inbuilt Smart IR to cover distance **250** mts. or above. 14) The camera shall be outdoor rated having **IP 67** rating for ingress protection with built in Heater and Temperature control system.	1) The camera shall have a sensor of **2MP & above** resolution and have a True day/night capability 7) **Clause deleted** 13) The camera should have Optical glass window with higher light transmittance and IR anti-reflection. The infrared transmittance can be increased & have inbuilt Smart IR to cover distance **200** mts. or above. 14) The camera shall be outdoor rated having **IP 66/IP 67** rating for ingress protection with built in Heater and Temperature control system.
6	Specifications of ONVIF Conformant, UL Listed Day/Night IP ANPR Network Camera	**Page No: 31** Sl. No.7, 12 & 13 7) The Camera should have inbuilt Video Content Analytics i.e. Camera Tripwire, Abandoned/Missing, Audio Detection, Intrusion, Face Detection, Crossing line, Object removal & People counting 12) The camera should have inbuilt or external IR and cover distance **200** mtr or, above	7) **Clause deleted.** 12) The camera should have inbuilt or external IR and cover distance **30** mtr or, above

		13) The housing shall be outdoor rated having **IP 67** rating for ingress protection	13) The housing shall be outdoor rated having **IP 66/IP 67** rating for ingress protection
7	Application and Analytics	 1) The OEM of software should have support, research & development centre in India from at least **10** years. 2.2) Should support Integration with external devices like Access Control and PIDS (Perimeter Intrusion Detection System) 2.3) Alerts in central station according to rules – Email, **SMS, Phone call without auto dialler,** Sound alert, Pop Up. 2.4)Video Analytics alerts : Camera Tampering, Intrusion, **Crowd count and Detection**, Perimeter Violation, Object Left/Abandoned Baggage, Loitering, Stopped Vehicle, Illegal Parking, Missing object. 3.8) Option for Window-Pop up, Email, Sound alarm, **SMS** on recording or video loss.	1) The OEM of software should have support, research & development centre in India from at least **05** years. 2.2) Should support Integration with external devices like Access Control. 2.3) Alerts in central station according to rules – Email, Sound alert, Pop Up. 2.4)Video Analytics alerts : Camera Tampering, Intrusion, Perimeter Violation, Object Left/Abandoned Baggage, Loitering, Stopped Vehicle, Illegal Parking, Missing object. 3.8) Option for Window-Pop up, Email and Sound alarm.
8	Application and Analytics	 6.5) Instant Playbacks available as window pop up on click of an event from Event Screen. 9.2) Ability to receive alerts/notifications on Mobile phones **with and without SMS** using Push technology. 10.3) Object counting or people/vehicle counting analytics.	6.5) **Clause deleted.** 9.2) Ability to receive alerts/notifications on Mobile phones using Push technology. 10.3) **Clause deleted**

9		**Page No: 36 Sl. No. 11, 12, 13, 20.1**	
		11) Crowd Counting and detection	11) **Clause deleted**
		12) Fire Detection	12) **Clause deleted**
		13) Smoke detection	13) **Clause deleted**
		20.1) Should support multiple brand IP cameras, encoders **and DVRs**. No restriction on camera hardware.	20.1) Should support multiple brand IP camera & encoders. No restriction on camera hardware.
10	Video Management Software	Page No.37 Sl. No.10	
		The VMS client software shall operate on Windows/Linux /Mac/Others operating systems	The VMS client software shall operate on Windows/Linux /Mac/Others operating systems. **Also VMS Software should have OS partner certification like Microsoft/ linux from last 3 consecutive years.**
11	Video Management System	Page No: 38 Sl. No. 21	
		The proposed VMS shall be having integrations with 50 or more IP CCTV Brands. **This information shall be available over the Web with all test results.**	The proposed VMS shall be having integrations with 50 or more IP CCTV Brands.
12	Section –C Computing Resources (Like server, workstation etc.)	Page No: 39 Sl. No. 10	
		Storage : As per storage specs given below	Storage: 90 days. With Resolution full HD-1080P, Compression H.265 & 25 FPS.
		Page No: 40	
		Specifications of High End Commercial Workstation with Win-10 or better	Specifications of High End Commercial Workstation with **Window**-10 **or better with Antivirus for the System.**
13	Specifications of 55" Full HD LED Display	Page No: 42	
		Panel : DIRECT LED	Panel : DIRECT LED **of high end Commercial use (24 X7)**
	Specifications of 43" Full HD LED Display	Panel : DIRECT LED	Panel : DIRECT LED **of high end Commercial use (24 X7)**

14	Section – E (Storage)	Page No: 43 Sl. No. 1 & 2	
		1) Storage: As per solution requirement (90 days backup)	1) Storage: As per solution requirement (90 days backup) with Resolution full HD-1080P, Compression H.265 & 25 FPS.
			2) Controller details: RAID Levels supported 6 & above
		2) Controller details: RAID Levels supported 0, 5, 6, 10 or equivalent	
15	Specification of Layer-3 Fully Managed Gibabit Switch	Page No. 45 Section F Sl. No.1, 3 & 1	1) The Switch should have 24 ports or more, up type **Base-T RJ45 ports or Base-X SFP ports** or similar.
		1) The Switch should have 24 ports or, more	
		3) The Switch should also support **440W DC** power supply.	3) The Switch should support **AC/DC power supply** as per requirement.
	Specification of Layer-2 Fully Managed Gibabit Switch	1)The switch should support 24 or more numbers of Ethernet PoE/POE+Ports	1)The switch should support 24 or more numbers of Ethernet PoE/POE+ **Ports 1/10G SFP+ Uplink**
16	Specifications of 2 KVA online UPS with Single Phase in & Out	Page No: 51 Sl. No. 7	VAH Required : **4000** VAH or more
		VAH Required : **9072** VAH or more	
17	Format for Breakup of Price/Bill of Quantity	Page No: 75 Sl. No. 9 & 10	09) Workstation : Quantity-**03**
		09) Workstation : Quantity -	
		10) Video Wall Solution 2x2 Matrix : Quantity -	10)Video Wall Solution 2x2 Matrix : Quantity- **01**
18	Essential Eligibility Criteria	Page No: 54 Annexure III	In any IIT, NIT, IISER, Institute of national importance, PSU or **Universities**. The bidder must provide the relevant PO's/Letter of award of work and completion certificate for the same.
		In any IIT, NIT, IISER, Institute of national importance, PSU or **Corporate**. The bidder must provide the relevant PO's/Letter of award of work and completion certificate for the same.	