<u>**Subject: Minutes of the Pre-Bid Meeting for Supply, Installation & Commissioning of IP Based Camerawith Upgradation of Existing VMS at INFLIBNET Centre – reg.**</u>

Date: 28th February, 2020

Members	Contractors attended Pre-bid Meeting
Shri H G Hosamani, Scientist-D (LS), Convener	M/s. Raj Info
Shri Manoj Kumar K., Scientist-E (CS), Member	M/s. Datatech Computers Pvt. Ltd.
Shri Gaurav Prakash, Scientist-C (CS), Member	M/s.Appstech Solution
Smt. Vaishali Shah, Scientist-C (LS), Member	M/s. Technik Solution
Shri Shyam T Yadav, In-Charge (P&S), Member	

Sl. No.	NIT Clause	Query/ Clarifications for	Page No.	Amendment/ Clarification / By Centre
1	Sr. No. 1	Pls provide below details as same is not mentioned in tender. .Existing cameras model nos and qty. .Existing VMS Software and Hardware config .Existing VMS Software features being used .Existing NVR/Servers Make and Model .Existing Storage Make and Model and space available in TB for recordings. .Existing workstation make, model and config details	16	Provided to bidder
2	Sr. No. 2	The Bidder/OEM should have successfully Supply, Installation and Commissioning of IP based CCTV Cameras at Government clients/ Autonomous Bodies/ universities/ Deemed universities to be universities Public sector etc. in India. i. Three similar work whose values is not less than 5.00 lakh each of the estimated cost or ii. Two similar works whose individual value is not less than 10.00 Lakhs each of the estimated cost or iii. One similar work whose value is not less than 15.00 Lakhs of the estimated cost	23	The Bidder/OEM should have successfully Supply, Installation and Commissioning of IP based CCTV Cameras at Government clients/ Autonomous Bodies/ universities/ Deemed universities to be universities Public sector/ Corporates, etc. in India. i. Three similar work whose values is not less than 5.00 lakh each of the estimated cost or ii. Two similar works whose individual value is not less than 10.00 Lakhs each of the estimated cost or iii. One similar work whose value is not less than 15.00 Lakhs of the estimated cost
3	-	Can a Company make a bid through different name and the Purchase Order can be awarded to sister company of different name?	-	It is not possible.
4	Sr No 4	Asked to modify	18	No change
5	Sr no 6	Asked to modify	18	No change
6	Sr no 8	Asked to add latest video compression standard H.265+	18	Accepted: Please read as ; H.264, H.265, H.265+ and Motion JPEG

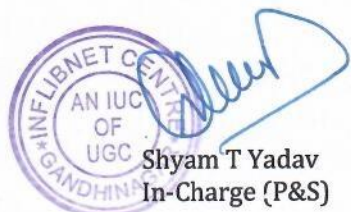| 7	Sr no 24	Request to Add new feature	18	Camera should support ANR and HLC
8	Sr no 6	Asked to modify	19	No change
9	Sr no 8	Asked to add latest video compression standard H.265+	19	Accepted: Please read as ; H.264, H.265, H.265+ and Motion JPEG
10	Sr no 25	Request to Add new feature	19	Camera should support ANR and HLC
11	Sr No 6	Asked to modify	20	Accepted; may read as ; 0.005 lux(color)/0.0005 lux(B/W) @ F1.6; 0 lux IR On or Better
12	Sr no 8	Asked to add latest video compression standard H.265+	20	Accepted: Please read as ; H.264, H.265, H.265+ and Motion JPEG
13	Sr no 10	Asked to modify	20	No change
14	Sr no 29	Request to Add new feature	20	Camera should support ANR and HLC
15	Sr No 4	Asked to modify	21	No change
16	Sr no 6	Asked to modify	21	No change
17	Sr no 8	Asked to add latest video compression standard H.265+	21	Accepted: Please read as ; H.264, H.265, H.265+ and Motion JPEG
18	5	Clarification asked	22	Network Switch should be PoEmanaged switch which should be managed through IP and integrated with existing network. OEM Should be Leaders in Gartner Magic Quadrant for wire and wireless network at least for last 3 years.
19	Sr no 4	Protocols and Compliance	22	Switch must follow IEEE standatdsi.e 802.3 etc. and power related standards. Switch must support and integrated with existing Vlans as per the existing network.
20	7	Asked to modify Cable Standard	22	No change
21	A : Software	Specifications asked for VMS	18	Specifications attached
22	-	With reference to Letter dated 24.02.2020 received from M/s. E-Vision India Pvt. Ltd, it was metioned that, "not indicate a requirement for a particular trademark, trade name or brand."	-	We have not mentioned any particular trademark, trade name or brand. The Centre has relaxation for "Make in India" in accordance with " Public procurement (preference to Make in India).

Video Management System WithExisting Hardware And Storage-

Sr No	Description	Compliance
1	Video management system with 128 camera licenses and 5 client license with database and recording server.	
2	VMS-Client Application shall provide live video view, various video playback support, historical video search and playback, PTZ Controls, alarm management, E-Map integration and front end control features to an operator. Client Application shall also able to manage & control all devices depending on the user access privileges. System should support minimum 5 Clients.	
3	VMS shall provide a single graphical user interface (GUI) to monitor, control and administer digital video surveillance equipment from multiple systems and platforms; Access Control & Intrusion Detection System	
4	Open Standard Support: VMS Software shall be ONVIF compliant so that it can integrate with multiple digital IP cameras, multiple digital and network video recording devices, multiple video matrix switchers and matrix keyboards.	
5	Reports: Log Report shall be used to search the device alarm events, device operations, user login, and web operation. It shall also be used to set queries to get results quickly. Log reports shall be exported in XML, CSV, TIFF, PDF, Web Archive and Excel file formats.	
6	User Rights: System shall provide multi-level user access rights for viewing and managing access to the recorder functions. The user level shall range from 0 to 255; the bigger the number, the higher the control priority is.	
7	Recording Modes: System shall support recording modes of continuous, scheduled, manual, event and alarm-based recording.	
8	Pre-alarm Recording: NVR shall be capable to cache the real-time streaming for a certain time (no longer than 10 minutes). When there is an event or alarm triggering recording, prerecording can help trace the situation before the event or alarm occur	
9	Configuration: The operator (with Administrator privileges) shall have the option to configure the system. It shall support live updates of all configurations. The configurations shall provide the option to add/edit/delete recorders, cameras, switchers, keyboards, users and roles, sites, recording rule, rule engine service etc. Configuration of video recording trigger service and device recovery service parameter shall be basic feature of VMS.	
10	Features for Client station.	
10.1	Video Export: VMS-Client shall have capability of download and export recorded video from recorders. Exported video clip shall be in OEM's native format to ensure data integrity. Download link to the player shall be provided with video exported.	
10.2	Playback: VMS-Client shall be able to playback recorded video from recorders. Different playback modes shall be there as 8x, 16x, 32x, 64x, frame by frame and backward playback.	
10.3	Instant Playback: Allow the user to view and save 30sec ago instant playback for any playing live video. It shall be used for monitoring emergent situation. This function shall be enabled by default, if required, user may disable this function.	
10.4	E-Maps: VMS-Client shall have capability to upload GIS Map which shall support .shp, AutoCAD, bmp, jpg, png format file. These maps can be interlinked with 8 levels. Devices including cameras, access control readers and intrusion detectors shall be planted on maps. E-map application shall have below mentioned functionalities:	

	i. Video verification can be displayed within 1 second after alarm is triggered.	
	ii. Multi video verification (at least four) can be triggered by same alarm input.	
	iii. Alarm can come from any kind of event notification which system can recognize.	
10.5	Timeline Control: Ability to manage timeline control of the recording device, which provides camera recording statistics. Timeline control shall have following features: time slider, time search, time jump, play controls. Timeline control shall also include dedicated buttons for step reverse and step forward and keyboard shortcuts for playback operations.	
10.6	Device Status Monitoring: NVR allows the user to monitor the running status of NVR via GUI. The following health statuses need to be monitored: system overload (CPU, Network), storage getting full, and hard disk error, data accumulation to an unstable level, temperature too high, power supply failure and fan failure.	
11	System should support integration of existing Honeywell camera model no - HIDC P-1100,HIDC P-0100	
12	30 days recording support for all camera and should have provision to expand recording to 25% extra days.	
13	Hardware Specification Existing hardware	
13.1	Processor (CPU)- IntelXeon E5 2620@2.0Ghz 6 core (2)	
13.2	Memory - 8GB	
13.3	Hard Disk - Enterprise class hard disk 600GB, 3.5" 7200 RPM, SATA, 32MB Cache	
13.4	Network - 2 x 1Gbps Ethernet RJ-45 Ports	
13.5	Operating System - Windows Server 2008 Standard 64 bit	
13.6	Database - SQL Server 2008 Standard	

Shyam T Yadav
In-Charge (P&S)