

**Subject: Minutes of the Pre-Bid Meeting for Supply, Installation & Commissioning of 36 Nos. of IP based Cameras with Upgradation of existing video management System (VMS) at INFLIBNET Centre –reg.**

Date: 18.12.2020

Members	The Following Contractors have raised the query in Pre-bid Meeting
Shri H G Hosamani, Scientist-D (LS), Convener	M/s. PRAMA HIKVISION INDIA PVT. LTD.
Shri Manoj Kumar K., Scientist-E (CS), Member	M/s. eSec Security Consultants Pvt Ltd
Shri Gaurav Prakash, Scientist-C (CS), Member	M/s. Raj Info Enterprise Pvt.Ltd
Smt. Vaishali Shah, Scientist-C (LS), Member	M/s.Microlink Solution Pvt .Ltd
Shri Shyam T Yadav, In-Charge (P&S), Member	M/s. D.B.IMPEX Security & Safety House

Sr. No.	Tender Clause No. / Annexures	Page No.	Bidders Comments / Queries	Clarifications to All Bidders	Centre's Clarifications
1	A: Software...Upgradation of existing VMS	18	Sr.No.1-->Video management system with 128 camera licenses and 5 client license with database and recording server.	Request you to please give details of existing storage server details if any, and please guide if need to quote	Provided on request.
2	A: Software...Upgradation of existing VMS	18	Sr.No.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	Request you to please provide details of existing access control and intrusion system which need to integration with VMS	Feature required
3	A: Software...Upgradation of existing VMS	18	Sr.No.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.	Request you to please give details of existing switchers and keyboards	Feature required
4	A: Software...Upgradation of existing VMS	18	Sr.No.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.	Suggest report exported in editable version or uneditable version , different OEM has different data format. Excel, CSV are the standard formats used for log reports in industry. Kindly change the point " 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."	Feature required

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				to "Log reports shall be exported in CSV, PDF and Excel file formats."	
5	A: Software...Upgradation of existing VMS	18	Sr.No.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	Request you to please share details of existing NVR available	"NVR" should be read as "NVR/VMS"
5	A: Software...Upgradation of existing VMS	19	Sr.No.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.	Request you to please give details of existing switchers and keyboards	Feature required
6	A: Software...Upgradation of existing VMS	19	Sr.No.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.	32x playback is sufficient for playback in client, hence request you to allow us to go with 32x playback speed	Should be read as Client shall be able to playback recorded video from recorders. Different playback modes shall be there as 8x, 16x, 32x, or higher, frame by frame and backward playback.
7	A: Software...Upgradation of existing VMS	19	Sr.No.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	As Most common and easily available static map formats used in Video management software are jpeg, jpg, png. Kindly allow us as ' VMS-Client shall have capability to upload GIS Map which shall support .shp,/AutoCAD/bmp/jpeg/jpg/png	No Change

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			maps. E-map application shall have below mentioned functionalities:	format file.'	
8	A: Software...Upgradation of existing VMS	19	Sr.No.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.	Health Monitoring is VMS based functionality as if NVR is offline, health monitoring can not be achieved by NVR GUI. Kindly change the point as "Device Status Monitoring: VMS allows the user to monitor the Online/Offline status and recording status of NVR via GUI. The following health statuses need to be monitored and send alerts : system overload (CPU, Network), storage getting full, and hard disk error, data accumulation to an unstable level/recording exception, temperature too high, power supply failure/fan failure."	"NVR" should be read as "NVR/VMS"
9	A: Software...Upgradation of existing VMS	19	Sr.No.12--> 30 days recording support for all camera and should have provision to expand recording to 25% extra days.	Request you to please give details of exisiting storage server details if any, and guide if need to provide	Will be provided on request

2. M/s. eSec Security Consultants Pvt Ltd

Sr. No.	Section with Clause	Sub Clause	Pg. No.	Query Title	Query	Bidder Suggestions	Centre's Clarification
1	Chapter-2	2.7	6	Performance Security Deposit - The successful Bidder/OEM shall have to deposit a Performance Security Deposit of the 10 % of the total amount of work order immediately of the receipt of the LOI/Order	according to recent govt. notification, PBG amount is reduced to 3% from existing 10%.	Please consider the 3% according to govt. notification	As per the Govt. order the security deposit reduced to 3% only on construction and infrastructure.  (No change)

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2	Chapter-2	2.14.1	8	Terms of Payment - 100 % payment will be release after successful completion of the supply/delivery, successful installation and submission of performance bank guarantee to the Bidder/OEM/Bidder/OEM subject to issue of Final Acceptance Certificate, by e-transfer through RTGS/ NIFT. No advance payment will be made.	100 % Payment against Supply of material shall be made to bidder on successful delivery at site. Payment for Installation/Services can be made after successful installation at site.	Request to consider these payment terms.	No Change
3	Chapter-2	2.15.1	8	The rates quoted in the tender/offer shall be for the complete item including supply, installation, testing & commissioning at site as per relevant standard codes (BIS/IS).	IP Camera/Equipments/Components are permissible from China, rest of China (ROC) and PRC (People republic of China) ?	Request to clarify the same.	Not permissible from China as per Govt. of India's order.
4	Chapter-4	2	15	Scope: Proposed system requires new 35 + 1 IP cameras in extension of existing VMS.	New IP Camera Qty is 35 ? We understand that total 35 nos of new camera to be supplied	Request to clarify the same.	36 IP Cameras
5	Chapter-4	5	16	5. System Components : Note: The contractor should also confirm to provide free upgrade of software and camera firmware as and when released for support of ONVIF standards till defect liability period and during AMC period.	Bidder can provide free upgrade of software and camera firmware for newly supplied camera and new VMS. For existing camera who will provide 5 year support ?	Request to clarify the same. If bidder must provide the support for existing camera hardware than bidder will provide new hardware in case existing camera are not working and replacement back to back contract is not available with INFLIBNET.	Existing cameras integration with new VMS will be the responsibility of bidder. While the h/w or S/w support of existing cameras will not be covered in this bid.

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6	Chapter-3 - Technical Specifications: IP based CCTV System	A: Software Upgradation of existing VMS Sr no 2	18	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.	What is the scope of E-Map integration ? And what exactly the outcome should be ?	If integration with GIS is required, than there are multiple GIS available like Google, Bing and Esri but it required licenses, Server and Application development.  Please clarify the same.	Feature required
7	Chapter-3 - Technical Specifications: IP based CCTV System	A: Software Upgradation of existing VMS Sr no 8	18	Pre-alarm Recording: NVR shall be capable to cache the real-time streaming for a certain time (no longer than 10 minutes)	NVR based solution is required or Server based VMS is required ?	Please clarify the same.	Server based VMS is required
8	Chapter-3 - Technical Specifications: IP based CCTV System	A: Software Upgradation of existing VMS Sr no 11	19	System should support integration of existing Honeywell camera model no - HIDC P-1100, HIDC P-0100	If existing camera are not working due to some hardware issues bidder need to confirm that camera are available with manufacturer and not end of life. If these models are end of life bidder will propose new camera at additional cost as per tender specification proposed for new camera.	Please clarify the same.	Bid is limited to the 36 cameras. Although centre reserves the right to increase or decrease the number of cameras.
9	Chapter-3 - Technical Specifications: IP based CCTV System	B: Hardware 1. Fixed Lens Dome Camera Sr. no 23	20	Camera should be complied with the International Cyber security standards (as defined by Government of India or its undertaking organisations related to I.T. security)	Camera are required to comply with international security standards hence VMS must also be comply to the same standards.	Please clarify the same.  We suggest VMS shall also be complied with international security standards	VMS should comply as defined by Government of India or its undertaking organisations related to I.T. security

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10	Chapter-3 - Technical Specificati ons: IP based CCTV System	A: Softwar e Upgrada tion of existing VMS Sr no 13/13.1 to 13.6	19	Hardware Specification Existing hardware	Existing Server is end of life, can we provide a new server with storage which can handle new camera as well as existing camera?  Existing server has less resources and can not be updated to handle new and old camera.	Please carify the same.	Centre's requirement is to use existing hardware.
11	Chapter-3 - Technical Specificati ons: IP based CCTV System	5	24	Network Switches	Any Make preferences for network switch ?	Please carify the same.	Network Switch must comply with the existing network setup of managed L2 and L3 switch.
12	Chapter-3 - Technical Specificati ons: IP based CCTV System	7	24	Cable laying	Structured cable laying practices suggest - Jack Panel, I/O at camera end, patch cords at camera end must be used. We understand Information outlets (I/O) to be used and not RJ-45 crimping to be done.  For in building cabling - cap on casing is recomanded and for out side PVC conduits can be used	Please carify the same.	Yes, both ends must be terminated at I/O box and patch cord will be used to connect device at both end. Casing capping /PVC conduit may be allowed after due permission.
13	Chapter-3 - Technical Specificati ons: IP based CCTV System	8		Other Accessories	For 2 nos outdoor camera poles is recommended to be installed instead of using a wall and extend a 4-5 feet pipe for extension.	Please carify the same.	Pole standard, 15 feet GI pipe,Dia 100mm, B class with anticorrosion paint.

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14	Chapter-3 - Technical Specificali ons: IP based CCTV System	1	20	Fixed Lens Dome Camera.	Image sensor : 1/2.8" Progressive Scan CCD/MOS/CMOS 2 MP or betters	we request to accept 1/2.9", 1/3" Progressive Scan CCD/MOS/CMOS 2 MP sensor as it does not impact any performance and allows more vendors to participate.	NO Change
15	Chapter-3 - Technical Specificali ons: IP based CCTV System	1	20	Fixed Lens Dome Camera.	Min. Illumination / Light Sensitivity: Color mode: F2.0 @ 0.001 lux and B&W mode: F2.0 @ 0.0 lux	We request following change as it doesn't impact performance. Min. Illumination / Light Sensitivity: Color mode: F2.0 @ 0.1 lux and B&W mode: F2.0 @ 0.0 lux	NO Change
16	Chapter-3 - Technical Specificali ons: IP based CCTV System	1	20	Fixed Lens Dome Camera.	IP 67 outdoor rated for rugged use	we request you to accept IP 66 outdoor rated for rugged use. IP66 cameras are rugged and waterproof whereas IP67 can be submerged in water, which is not required here and increase the cost and also limits OEM to participate.	NO Change
17	Chapter-3 - Technical Specificali ons: IP based CCTV System	1	20	Fixed Lens Dome Camera.	Camera should be complied with the International Cyber security standards (as defined by Government of India or its undertaking organisations related to I.T. security)	Please specify Indian standard which describes Cybersecurity for cameras or allow us to quote internationally accepted practice.	No Change

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18	Chapter-3 - Technical Specificati ons: IP based CCTV System	2	21	Outdoor Bullet Camera	Image sensor : 1/2.8" Progressive Scan CCD/MOS/CMOS 2 MP or betters	we request to accept 1/2.9", 1/3" Progressive Scan CCD/MOS/CMOS 2 MP sensor as it does not impact any performance and allows more vendors to participate.	NO Change
19	Chapter-3 - Technical Specificati ons: IP based CCTV System	2	21	Outdoor Bullet Camera	IR Range: Min 50 Mtr or better	Please accept IR range of 30 mtrs. As per CCTV standards, 2MP lens with small focal length will not capture any details at 50 mtrs as the resolution and lens are small. Standard product has 30 mtrs in this configuration.	NO Change
20	Chapter-3 - Technical Specificati ons: IP based CCTV System	2	21	Outdoor Bullet Camera	Min. Illumination / Light Sensitivity: Color mode:0.001Lux@f/1.6, B/W: 0Lux @f/1.6(IR on)	We request following change as it doesn't impact performance. Min. Illumination / Light Sensitivity: Color mode: F2.0 @ 0.1 lux and B&W mode: F2.0 @ 0.0 lux	NO Change
21	Chapter-3 - Technical Specificati ons: IP based CCTV System	2	21	Outdoor Bullet Camera	IP 67 outdoor rated for rugged use	we request you to accept IP 66 outdoor rated for rugged use. IP66 cameras are rugged and waterproof whereas IP67 can be submerged in water, which is not required here and increase the cost and also	NO Change



						limits OEM to participate.	
22	Chapter-3 - Technical Specifications: IP based CCTV System	2	21	Outdoor Bullet Camera	Camera should be complied with the International Cyber security standards (as defined by Government of India or its undertaking organisations related to I.T. security)	Please specify Indian standard which describes Cybersecurity for cameras or allow us to quote internationally accepted practice.	NO Change
23	Chapter-3 - Technical Specifications: IP based CCTV System	5	22	IP IR PTZ Camera with mounting bracket	Minimum Sensitivity:	We request following change as it doesn't impact performance. Min. Illumination / Light Sensitivity: Color mode: F2.0 @ 0.1 lux and B&W mode: F2.0 @ 0.0 lux	NO Change
24	Chapter-3 - Technical Specifications: IP based CCTV System	5	22	IP IR PTZ Camera with mounting bracket	0.005 lux (color)/0.0005 lux (B/W) @ F1.6; 0 lux IR On or Better	Different vendor has different lens configuration for 30X, we request you to accept all three of them. This will allow more OEM participation.	NO Change
25	Chapter-3 - Technical Specifications: IP based CCTV System	5	22	IP IR PTZ Camera with mounting bracket	Lens:	4.3-129mm, or 4.5 - 135 mm or 6 - 180 mm or better	NO Change

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26	Chapter-3 - Technical Specifications: IP based CCTV System	5	22	IP IR PTZ Camera with mounting bracket	4.5 - 135 mm or 6 – 180 mm or better	Please accept temperature range upto 55deg C.	NO Change
27	Chapter-3 - Technical Specifications: IP based CCTV System	5	22	IP IR PTZ Camera with mounting bracket	Temperature:	we request you to accept IP 66 outdoor rated for rugged use. IP66 cameras are rugged and waterproof whereas IP67 can be submerged in water, which is not required here and increase the cost and also limits OEM to participate.	NO Change
28	Chapter-3 - Technical Specifications: IP based CCTV System	4	23	Dome camera (independent)	(-)5 dec C to 70deg C	Please specify Indian standard which describes Cyber security for cameras or allow us to quote internationally accepted practice.	NO Change
29	Chapter-3 - Technical Specifications: IP based CCTV System	4	23	Dome camera (independent)	Ingress Protection:	we request to accept 1/2.9", 1/3" Progressive Scan CCD/MOS/CMOS 2 MP sensor as it doesn't impact any performance and allows more vendors to participate.	NO Change

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30	Chapter-3 - Technical Specificali ons: IP based CCTV System	4	23	Dome camera (independent)	IP67 or better.	We request following change as it does not impact performance. Min. Illumination / Light Sensitivity: Color mode: F2.0 @ 0.1 lux and B&W mode: F2.0 @ 0.0 lux	NO Change
31	Chapter-3 - Technical Specificali ons: IP based CCTV System	4	23	Dome camera (independent)	Camera should be complied with the International Cyber security standards (as defined by Government of India or its undertaking organisations related to I.T. security)	We request you to accept IP 66 outdoor rated for rugged use. IP66 cameras are rugged and waterproof whereas IP67 can be submerged in water, which is not required here and increase the cost and also limits OEM to participate.	NO Change

3.M/s. Raj Info Enterprise Pvt.Ltd

Sr. No.	RFP Page No.	RFP Clause	Description	Request Changes	Centre 's Clarification
1	Page No. 20 Point No. 8	Video Compression: H.264, H.265, H.265+ and Motion JPEG	H.265+ is the proprietary word for the OEM, All OEM can support with the Adaptive Streaming feature.	Video Compression: H.264, H.265 and Motion JPEG	Video Compression: H.264, H.265, or higher and Motion JPEG

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2	Page No. 20 Point No. 12	Protocol Support: IPv4, IPv6, TCP/IP, HTTP, DHCP, UDP, DNS, SMTP, RTP, RTSP, SNMP protocols/Should meet all functional requirement of the project	As all the cameras will be communicating on the IPv4 network so there is no need of IPv6 protocol support. As IPv4 and IPv6 are and would be co-existing networks in a facility hence keeping IPv6 mandatory is not required.	Protocol Support: IPv4, or IPv6, TCP/IP, HTTP, DHCP, UDP, DNS, SMTP, RTP, RTSP, SNMP protocols/Should meet all functional requirement of the project	No Change
3	Page No. 20 Point No. 19	Operating Temperature: 0- 60 °C,	-20Deg C to 50 Deg C is supported. Max limit is more than enough to run longer life with Aluminium body, which can transfer the heat to outer environment easily.	Operating Temperature: 0- 50 °C	No change
4	Page No. 20 Point No. 21.4	Privacy masking Up to 4 areas	Privacy masking of 4 areas is high so 3 zones are convenient to use and feasible.	Privacy masking Up to 3 areas	Privacy masking Up to 3 areas

Sr. No.	RFP Page	RFP Clause	Description	Request Changes	
5	Page No. 21 Point No. 6	Min. Illumination / Light Sensitivity: Color mode:0.001Lux@f/1.6, B/W: 0Lux @f/1.6(IR on)	Lower the aperture low light intensity flow. As there is motorized varifocal camera.	Min. Illumination / Light Sensitivity: Color - 0.01 Lux @ (F1.2 AGC ON) Monochrome - 0 Lux (IR on).	Min. Illumination / Light Sensitivity: Color mode:0.001Lux@f/1.6, B/W: 0Lux @f/1.6(IR) or better
6	Page No. 21 Point No. 8	Video Compression: H.264, H.265, H.265+ and Motion JPEG	H.265+ is the proprietary word for the OEM, All OEM can support with the Adaptive Streaming feature.	Video Compression: H.264, H.265 and Motion JPEG	Video Compression: H.264, H.265, or higher and Motion JPEG

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7	Page No. 21 Point No. 12	Protocol Support: IPv4, IPv6, TCP/IP, HTTP, DHCP, UDP, DNS, SMTP, RTP, RTSP, SNMP protocols/Should meet all functional requirement of the project	As all the cameras will be communicating on the IPv4 network so there is no need of IPv6 protocol support. As IPv4 and IPv6 are and would be co-existing networks in a facility hence keeping IPv6 mandatory is not required.	Protocol Support: IPv4, or IPv6, TCP/IP, HTTP, DHCP, UDP, DNS, SMTP, RTP, RTSP, SNMP protocols/Should meet all functional requirement of the project	No change
8	Page No. 21 Point No. 14	IP67 rated water and dust resistant. PoE. (IEEE802.3af compliant), IK10 full body (IEC62262) vandal proof	As for the outdoor environment IP66 rating is more than enough to survive all weather condition.	IP66 rated water and dust resistant. PoE. (IEEE802.3af compliant), IK10 full body (IEC62262) vandal proof	No change
9	Page No. 21 Point No.	IP 67 outdoor rated for rugged use	Covered in Point No. 14 so we can remove the same.	Already Covered in Point No. 14.	No change
10	Page No. 21 Point No. 22	Privacy masking Up to 4 areas	Privacy masking of 4 areas is high so 3 zones are convenient to use and feasible.	Privacy masking Up to 3 areas	Privacy masking Up to 3 areas
11	Page No. 22 Point No. 5	Minimum 30 fps@ 1080P and 60FPS @ 720P.	30fps is Generalized Specs to achieve in all OEM. As to capture the image 30 FPS is more than enough so max FPS should be 30FPS	Minimum 30 fps@ 1080P or 60FPS @ 720P.	Minimum 30 fps@ 1080P or 60FPS @ 720P.

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12	Page No. 22 Point No. 6	0.005 lux (color)/0.0005 lux (B/W) @ F1.6; 0 lux IR On or Better	Lower the aperture low light intensity flow. as there is PTZ camera	Color:0.001 lux @ F1.5, BW 0 lux with IR On or better	No change
13	Page No. 22 Point No. 8	Video Compression: H.264, H.265, H.265+ and Motion JPEG	H.265+ is the proprietary word for the OEM, All OEM can support with the Adaptive Streaming feature.	Video Compression: H.264, H.265 and Motion JPEG	Video Compression: H.264, H.265, or higher and Motion JPEG
15	Page No. 22 Point No. 16	Operating Temperature: 0- 60 °C,	-20Deg C to 50 Deg C is supported. Max limit is more than enough to run longer life with Aluminum body, which can transfer the heat to outer environment easily.	Operating Temperature: 0- 50 °C	No Change
16	Page No. 23 Point No. 6	0.005 lux (Color)/0.0005 lux (B/W) @ F1.6; 0 lux IR On or Better	lower the aperture low light intensity flow. as there is PTZ camera	Color:0.001 lux @ F1.5, BW 0 lux with IR On or better	No Change
17	Page No. 23 Point No. 8	Video Compression: H.264, H.265, H.265+ and Motion JPEG	H.265+ is the proprietary word for the OEM, All OEM can support with the Adaptive Streaming feature.	Video Compression: H.264, H.265 and Motion JPEG	Video Compression: H.264, H.265, or higher and Motion JPEG

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18	Page No. 23 Point No. 12	Protocol Support: IPv4, IPv6, TCP/IP, HTTP, DHCP, UDP, DNS, SMTP, RTP, RTSP, SNMP protocols/Should meet all functional requirement of the project	As all the cameras will be communicating on the IPv4 network so there is no need of IPv6 protocol support. As IPv4 and IPv6 are and would be co-existing networks in a facility hence keeping IPv6 mandatory is not required.	Protocol Support: IPv4, or IPv6, TCP/IP, HTTP, DHCP, UDP, DNS, SMTP, RTP, RTSP, SNMP protocols/Should meet all functional requirement of the project	No Change
19	Page No. 23 Point No. 19	Operating Temperature: 0- 60 °C,	-20Deg C to 50 Deg C is supported. Max limit is more than enough to run longer life with Aluminum body, which can transfer the heat to outer environment easily.	Operating Temperature: 0- 50 °C	No Change
20	Page No. 23 Point No. 21.4	Privacy masking Up to 4 areas	Privacy masking of 4 areas is high so 3 zones are convenient to use and feasible.	Privacy masking Up to 3 areas	Privacy masking Up to 3 areas

4. M/s. Micro link Solution Pvt Ltd.

Sr.No	Page No.	Line Items	Descriptions	Query	Remarks
1	15	Scope of Work	2 New 35 +1 IP cameras should be installed with the existing cameras with upgradation of existing VMS along with existing	Here we understand that , no need to consider any additional Hardware or VMS for new install Camera. Kindly confirm.	36 IP Cameras, VMS may require if bidder feels to update VMS for new cameras.

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			Hardware		
2	15	Scope of Work	1) It is also essential to have recorded images of all cameras to be stored at least for 30 days	For new add 35+1 Camera required Storage is around 35-40TB. So bidder need to consider additional storage for Camera recording or existing setup may be use ? Kindly clarify.	Bidder should propose the storage compression rate to get fit in 30TB for 30 days of all new and old cameras.
	8	2.14.1 Terms of Payment	100 % payment will be release after successful completion of the supply /delivery, successful installation	Request you to kindly make it for 50% payment against delivery & balance 50% against completion of work, During this Covid time everyone is suffering for cash flow.	No Change
3	-	General Additional Query	Analytics required or not ?	Any additional analytics require from Camera ? In case of requirement of analytics, kindly clarify the number of camera those are to be consider for analytics. As well additional License of Analytics would also be required. Kindly clarify.	No Change
4	-	General Additional Query	-	As per Site survey we found that few cables are to be lay from the outer surface of drainage line available at site. Kindly confirm.	As the tender is based on turnkey project bidder has to include all necessary accessories to complete the project.
5	-	General Additional Query	-	Face plate, Jack Panel are not mentioned in the BoQ. Kindly confirm about the relevant requirement of the same.	Based on the requirement after site survey.
6	-	General Additional Query	-	Kindly clarify, laying is required in conduit/pipe or cap on casing.	Casing capping allowed only after due permission.

5. M/s. D.B.IMPEX Security & Safety House

S.N.	Page no	Type of camera	Current Specification	Request to change below, below specification are generic-no brand specify	Centre's Clarification
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1	Page 20	Fixed Lens Dome Camera.	Image sensor : 1/2.8" Progressive Scan CCD/MOS/CMOS 2 MP or better	we request to accept 1/2.9", 1/3" Progressive Scan CCD/MOS/CMOS 2 MP sensor as it does not impact any performance and allows more vendors to participate.	No Change
2	Page 20	Fixed Lens Dome Camera.	Min. Illumination / Light Sensitivity: Color mode: F2.0 @ 0.001 lux and B&W mode: F2.0 @ 0.0 lux	We request following change as it doesn't impact performance. Min. Illumination / Light Sensitivity: Color mode: F2.0 @ 0.1 lux and B&W mode: F2.0 @ 0.0 lux	No Change
3	Page 20	Fixed Lens Dome Camera.	IP 67 outdoor rated for rugged use	We request you to accept IP 66 outdoor rated for rugged use. IP66 cameras are rugged and waterproof whereas IP67 can be submerged in water, which is not required here and increase the cost and also limits OEM to participate.	No Change
4	Page 20	Fixed Lens Dome Camera.	Camera should be complied with the International Cyber security standards (as defined by Government of India or its undertaking organisations related to I.T. security)	Please specify Indian standard which describes Cyber security for cameras or allow us to quote internationally accepted practice.	
5	Page 21	Outdoor Bullet Camera	Image sensor : 1/2.8" Progressive Scan CCD/MOS/CMOS 2 MP or better	We request to accept 1/2.9", 1/3" Progressive Scan CCD/MOS/CMOS 2 MP sensor as it does not impact any performance and allows more vendors to participate.	No Change
6	Page 21	Outdoor Bullet Camera	IR Range: Min 50 Mtr or better	Please accept IR range of 30 mtrs. As per CCTV standards, 2MP lens with small focal length will not capture any details at 50 mtrs as the resolution and lens are small. Standard product has 30 mtrs in this configuration.	No Change
7	Page 21	Outdoor Bullet Camera	Min. Illumination / Light Sensitivity: Color mode: 0.001Lux@f/1.6, B/W: 0Lux @f/1.6(IR on)	We request following change as it doesn't impact performance. Min. Illumination / Light Sensitivity: Color mode: F2.0 @ 0.1 lux and B&W mode: F2.0 @ 0.0 lux	No Change
8	Page 21	Outdoor Bullet Camera	IP 67 outdoor rated for rugged use	we request you to accept IP 66 outdoor rated for rugged use. IP66 cameras are rugged and waterproof whereas IP67 can be submerged in water, which is not required here and increase the cost and also limits OEM to participate.	No Change

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9	Page 21	Outdoor Bullet Camera	Camera should be complied with the International Cyber security standards (as defined by Government of India or its undertaking organisations related to I.T. security)	Please specify Indian standard which describes Cyber security for cameras or allow us to quote internationally accepted practice.	No Change
10	Page 22	IP IR PTZ Camera with mounting bracket	Minimum Sensitivity: 0.005 lux (Color)/0.0005 lux (B/W) @ F1.6; 0 lux IR On or Better	We request following change as it doesn't impact performance. Min. Illumination / Light Sensitivity: Color mode: F2.0 @ 0.1 lux and B&W mode: F2.0 @ 0.0 lux	No Change
11	Page 22	IP IR PTZ Camera with mounting bracket	Lens: 4.5 - 135 mm or 6 - 180 mm or better	Different vendor has different lens configuration for 30X, we request you to accept all three of them. This will allow more OEM participation. 4.3-129mm, or 4.5 - 135 mm or 6 - 180 mm or better	No Change
12	Page 22	IP IR PTZ Camera with mounting bracket	Temperature: (-)5 deg C to 70deg C	Please accept temperature range upto 55deg C.	No Change
13	Page 22	IP IR PTZ Camera with mounting bracket	Ingress Protection: IP67 or better.	We request you to accept IP 66 outdoor rated for rugged use. IP66 cameras are rugged and waterproof whereas IP67 can be submerged in water, which is not required here and increase the cost and also limits OEM to participate.	No Change
14	Page 22	IP IR PTZ Camera with mounting bracket	Camera should be complied with the International Cyber security standards (as defined by Government of India or its undertaking organisations related to I.T. security)	Please specify Indian standard which describes Cyber security for cameras or allow us to quote internationally accepted practice.	No Change
15	Page 23	Dome camera (independent)	Image sensor : 1/2.8" Progressive Scan CCD/MOS/CMOS 2 MP or better	We request to accept 1/2.9", 1/3" Progressive Scan CCD/MOS/CMOS 2 MP sensor as it doesn't impact any performance and allows more vendors to participate.	No Change
16	Page 23	Dome camera (independent)	Min. Illumination / Light Sensitivity: Color mode: F2.0 @ 0.001 lux and B&W mode: F2.0 @ 0.0 lux	We request following change as it does not impact performance. Min. Illumination / Light Sensitivity: Color mode: F2.0 @ 0.1 lux and B&W mode: F2.0 @ 0.0 lux	No Change

*Deen*, *Q/* *C. Prakash*



17	Page 23	Dome camera (independent)	IP 67 outdoor rated for rugged use	We request you to accept IP 66 outdoor rated for rugged use. IP66 cameras are rugged and waterproof whereas IP67 can be submerged in water, which is not required here and increase the cost and also limits OEM to participate.	No Change
18	Page 23	Dome camera (independent)	Camera should be complied with the International Cyber security standards (as defined by Government of India or its undertaking organisations related to I.T. security)	Please specify Indian standard which describes Cyber security for cameras or allow us to quote internationally accepted practice.	No Change

During the pre-bid meeting the bidders are requested to extend the bid submission date because Christmas Vacation is coming in the meantime, therefor, the Committee noted the point and recommended that the Submission Date may be extended up to 07<sup>th</sup>, January, 2021 at 17:00 hrs.

Please read the following corrigendum:

IN PLACE OF	TO READ AS
Bid Submission end date 30/12/2020 at 17:30 hrs.	Bid Submission end date 07/01/2021 at 17:30 hrs.
Bid Submission end date 31/12/2020 at 12:00 hrs.	Bid Submission end date 08/01/2021 at 12:00 hrs.

