

**HIGH COURT OF MADHYA PRADESH, JABALPUR**

Ref No.: Reg(IT)(SA)/2019/743

Date:21/05/2019.

**Tender For Supply, Installation, Commissioning & Maintenance of Integrated Video Surveillance System (MPHC-IVSS) at Subordinate Courts in the State of Madhya Pradesh**

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**CORRIGENDUM / REPLY OF PRE-BID MEETING**

The Pre-bid meeting for the Tender for Supply, Installation, Commissioning & Maintenance of Integrated Video Surveillance System (MPHC-IVSS) at Subordinate Courts in the State of Madhya Pradesh was held on **11<sup>th</sup> February, 2019**. Following are the queries raised by the bidders during the meeting & before the deadline for submission of queries on **15<sup>th</sup> February 2019, 5:00 P.M.** & the respective clarifications issued by MP High Court.

**The responses/clarifications supersede the respective clauses mentioned in the tender document, other terms/clauses remaining unchanged, please note.**

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## **General Instructions/ Clarifications:-**

1. This Corrigendum shall now be a part of the main tender document and shall be submitted duly stamped and signed along-with the tender.
2. If, during any stage of the project, it comes to the notice of MPHC that the companies have resorted to collusion, by way of the following, the contract shall be terminated & an appropriate action would be initiated.
  - a. The L1 bidder, after getting the contract, has outsourced or sub-contracted any part of the contract to any of its competing bidders.
  - b. The L1 bidder, after getting the contract, has sourced any component or service from any of its competing bidders.
  - c. The L1 bidder has done any fraudulent act or practice, or used substandard components or changed the makes of the components during supply/installation without the permission of MPHC.
3. All the cameras should be UL, FCC & CE Compliant.
4. MPHC reserves the right to modify the quantities, to add or delete component quantities or to transfer components from the **BoQ** of one site to another.
5. As stipulated in Section 5.1.2.16 Pt. 11; Part I of the tender document, bidders shall provide an Emergency Break Glass Switch& Exit Switch inside the secured area & should be bundled in the price for EM lock sets.
6. It is envisaged that the access control system software shall either be a part of the VMS or pre-integrated with the VMS, such that the VMS should be able to manage ACS & video management as one product. The ACS shall be a true 64-bit, ODBC compliant architecture with all the standard features such as user management, card management, access & user rights management, reporting, audit trail, search, integration with VMS (pop-up of nearby camera on ACS alarm/event etc) & Global Anti-pass back. If there is any separate licensing cost

- for the ACS software, the same shall be bundled in the Access Controller cost.
7. Termination based on funding: The contract resulting from this tender will be subject to availability of funds with the High Court. In the event of paucity of such funds, the High Court of Madhya Pradesh reserves the right to terminate or suspend the contract for an agreed period of time without any penal charges.
  8. The Earnest Money Deposit shall be in the form of unconditional bank guarantee or Fixed Deposit Receipt, valid for a period of six months from the last date of submission of tender.
  9. As stipulated in the Tender Document, a provision of servers in **N+N** configuration shall be considered by the bidders at all the sites.
  10. Bidders should note that the procurement of access control system (ACS) shall be made in phased manner to meet out the requirement of the District Judiciary. The proposed implementation phases shall be decided during the joint survey to be conducted with the selected vendor.
  11. ***Line Item No. D.10, Specification Ref. 6.30 under the heading “Alarm Call Points” shall be considered as deleted.*** However, the VMS software shall have a feature to raise soft panic alarm at the corresponding CRs & the CCC at Jabalpur using the Workstation as well as the Portable Monitoring Stations. Also, the software shall have a provision to intimate the police in case of emergency (provision of telephone connectivity & modem etc shall be the responsibility of MPHC).
  12. The tender stipulates installation of multi-sensor panoramic cameras in court room. However, there may be site-specific situations wherein multiple indoor dome cameras in place of a single multi-sensor camera would be operationally feasible. MPHC may, at its sole discretion, decide to select the type of cameras, from amongst the types specified in the tender, in court rooms as per the site condition &/or practical constraints. The final quantities shall be determined by MPHC during the joint site survey to be carried out with the selected vendor.

13. The current tender stipulated installation of a single zone / channel audio capture device / microphone. The respective clause in the tender document shall be considered as amended to include a 4-zone audio capture device for greater clarity & accuracy in audio recording in courtrooms. The base station shall be placed inside the courtroom with a feature to disable any one or all the microphones. Please note the software shall also have a feature to disable the audio or live streaming of video in the courtroom using either the workstation or Portable Monitoring Station. The purchase of i-pad / Microsoft surface pro device along with all-in-one touch screen panel of make: WACOM, **size 24"** or above shall be made as per the specifications mentioned in the updated BOQ.
14. As stipulated in the Tender Document, the Portable Monitoring Stations are required to be provisioned as per the specifications provided in the Tender Document. Additionally, there shall be one All-in-One Computer at every district location (*Total 50 No.*) Please see the revised Commercial Bid Format (Section 7.1 of Part II of the Tender Document) attached herein below as Annexure-I & the specifications for the All-In-One Computer as Annexure-II.
15. Bidders are advised to provide site-wise UPS sizing as well as estimated Power Consumption & Storage Calculations in Microsoft Excel sheets as a part of their technical proposals.
16. Audio surveillance using an Audio Monitoring Base Station with 4 Zone/ channel high-quality noise cancelling microphones & best-in-class channel separation shall be implemented in courtrooms. The output of the base station can be connected to an audio-in port of the camera or it can be an IP device (Connected to a switch, with POE Power). The audio output should be properly synchronized with the video. Two Microphones shall be wall mounted while 2 shall be table-top/ goose-neck (~450mm) type (final selection shall be as per the site-conditions). The specifications **Ref. No. 6.7** shall be considered suitably amended with all the above& the requirement mentioned in Point No. 13 hereinabove. The specifications *Ref. No. 6.7* shall be considered suitably amended with all the above& the requirement mentioned in Point No. 13 hereinabove (Please refer to Technical

Specifications provided in Annexure III herein below).The capability is required to be successfully demonstrated during the proof of concept phase.

17. All cameras shall be compliant with H.265 compression latest standards.
18. A part of *Section 3.8* of the Tender Document, mentioned herein below:–

“Any delay by the Successful Bidder in the delivery of Products/ equipment and/or the services will make the Successful Bidder liable to any or all of the following:-

1. Forfeiture of Performance Bank Guarantee,
2. Imposition of Liquidated Damage charges,
3. Termination of the contract for default,
4. Blacklisting of the Successful Bidder”.

shall be read as –

“Any delay by the Successful Bidder in the delivery of Products/ equipment and/or the services will make the Successful Bidder liable to any or all of the following:

1. Forfeiture of Performance Bank Guarantee,
2. Imposition of Liquidated Damage charges,
3. Termination of the contract for default,
4. MPHC getting the delayed work performed from any other vendor at the risk & cost of the successful Bidder/ Vendor.”

19. The nature of work under this tender shall be LSTK (Lumpsum Turnkey). The court wise indicative bill of quantities is provided in the Tender Document. However, bidders are advised to make themselves acquainted with the site requirements & may undertake a sample site survey for arriving at their own estimations for cabling & other project requirements. The quantities mentioned for system network, storage & servers are indicative & bidders are advised to consider them as lumpsum & quote for the actual quantities required for their respective proposed solution. For all other items, the quantities mentioned shall be considered as fixed.

- 20.** The proposed solution shall have a capability to live-stream the audio-visual recordings of the selected courtroom cameras using either a separate audio-visual stream from the camera or from the recorded video on website of the High Court, with proper tagging of the same with the respective case no., in an integrated manner. The capability is required to be successfully demonstrated during the proof of concept phase.
- 21.** Bidders are advised to note that Software Requirement Specification (SRS) & Functional Design Specification (FDS) documents are required to be developed by the selected vendor & get the same approved by MPHC& the Consultant before commencement of integration exercise.
- 22.** Bidders should note that the OEMs of cameras, IT & Networking equipment shall be required to enter into back to back agreement for after sales service and support.

## Bidder Queries & MP High Court Responses

| Query No. | Bidder Name  | Bid Ref. No.   | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting   |
|-----------|--------------|--|--|--|--|
| 1         | Aditya Group | Features: 2.16.1 Camera OEM; Page. No: 13  | The camera OEM should have supplied cameras in Government Projects such as places of high security such as seaports, airports, defense infrastructure or city surveillance projects. A declaration to this effect shall be provided by the camera OEM. | This PTR / PQ Relate to SI/Bidder's, so please remove it from CCTV OEM and place to SI/Bidder's  | Both the Government/ Private projects shall be considered. Tender terms shall prevail.   |
| 2         | Aditya Group | 5.1.2.1 Video Surveillance : -Features : Outdoor Fixed Camera; Page. No: Page. No 27 | 5 MP General Surveillance Perimeter, Gates, Perimeter Entrance Points/ Openings  | Need clarification on this camera because here it's required 5MP and technical specification matching 2 MP. So please clear which resolution of the camera is required.  | The Outdoor Fixed Camera shall be of <b>minimum 5 MP resolutions.</b>  |
| 3         | Aditya Group | 6.1. Outdoor Fixed Camera - Features : Image sensor; Page. No: Page. No 43           | 1/2.7" progressive scan HD CMOS  | Different OEM's used different size of image sensor. There should be general specification so that maximum OEM's can participate without affecting the project performance. So you are requested please change with 1/3" or better.          | The tender specifies non-uniform sensor sizes for different types of cameras. The same is being standardized as "Sensor size of 1/3" or better" without affecting the specified light sensitivity. |
| 4         | Aditya Group | 6.1. Outdoor Fixed Camera - Features : Lens better; Page. No: Page. No 43            | 3.6 to 9 mm or   | Please increase the lens focal length for better zoom and wider angle of view. Now most of OEM's have Provided the 2.7~13.5mm Lens where we get the 5x optical zoom. While 3.6~9mm lens provides 2.5 Optical zoom and it is very specified . | 3 to 9 mm lens or better is acceptable.  |
| 5         | Aditya Group | 6.1. Outdoor Fixed Camera - Features : Audio/Video out port; Page. No: Page. No 43   | Camera should allow the connection of an option Y cable or mini cable with BNC connector. Camera should allow to connect a video monitor to the mini cable with BNC connector.   | BNC connector is required for analog output and here we are using IP technology for data transfer .So we do not require BNC to connect anywhere in network.  | The functional objective of being able to connect to a video monitor has to be met using either a BNC Connector or using a web browser.  |

| Query No. | Bidder Name  | Bid Ref. No.   | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting  |
|-----------|--------------|--|--|--|---|
| 6         | Aditya Group | 6.1. Outdoor Fixed Camera - Features :Resolutions and frame rates (H.264); Page. No: Page. No 43 | 1920 X 1080 @ 30fps(1080p), 1280 X 720 @ 30fps (720p) 1024 X 576 @ 30fps 960 X 544 @ 30fps 704 X 480 or 576@ 30 or 25 fps (4CIF)   | If 5 MP Camera required then it's resolution should be 5 megapixel which is Main Stream: 5/4 MP(1 ~ 20fps)/3MP (1 ~ 25/30fps), Sub Stream: D1/CIF(1 ~ 20/25fps) @H.265 Compression which is saving up to 90% storage than H.264. If required 2MP Camera then there are no changes required.                    | The recording parameter for Camera shall be Full HD at 15 FPS per sensor while that for monitoring shall be 5 MP at 25 FPS per sensor.  |
| 7         | Aditya Group | 6.1. Outdoor Fixed Camera - Features : Supported protocol; Page. No: Page. No 44                 | DHCP, HTTP, HTTPS, NTP, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real Time Transport Protocol (SRTP), Bonjour, SNMP, and Secure Shell (SSH). Differentiated service-code-point (DSCP) marking and class-of-service (CoS) marking | The protocol are proprietary and restricted to particular OEM and not standard as per requirement. So you are requested please remove (SRTP), (SSH), (DSCP) & (CoS) so that maximum OEM's can participate without affecting project performance. (For your reference these protocol only avail in Axis Camera. | With regard to the supported protocols, bidders are advised to comply with the tender requirement. In case of a specific non-compliance, if the same is functionally met by the system/solution, the same shall be acceptable. However, the onus of meeting such compliance lies on the bidder.         |
| 8         | Aditya Group | 6.1. Outdoor Fixed Camera - Features : Certification ; Page. No: Page. No 44                     | The system shall be ROHS, WEEE, ISO - 14001 and REACH compliant.   | WEEE certificate is not standard certificate and, there is no Reach COMPLIANT certificate instead ask for RoHS Compliant. So please remove WEEE certificate and add UL, CE, FCC & BIS for maintain the quality of product and word wise all four certificates are standard.                                    | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder. |

| Query No. | Bidder Name  | Bid Ref. No.   | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting   |
|-----------|--------------|--|---|--|--|
| 9         | Aditya Group | 6.2 Outdoor Panoramic Camera - Features : Quality Image; Page. No: Page. No 44 | Minimum 5-megapixel progressive scan HD CMOS (Per Lens); Should have minimum 4 lenses/sensors . | 5-megapixel resolution is very high for the 4-multi-lens panoramic Camera because each lens have own resolution that means it will be 20-megapixel. This is very high resolution for the surveillance camera it will take more bandwidth and more storage. You are being requested please reduce with 2-megapixel that will be sufficient and resolution will be 8-megapixel. Otherwise cost, storage of the camera will increase unnecessary. | Tender terms shall prevail. The rationale for using panoramic cameras is a) no blind spots b) 180 Deg Coverage, including identification at a radial distance of minimum 25 meters c) Lesser VMS licenses d) Lesser Ethernet Ports resulting in further saving.  |
| 10        | Aditya Group | 6.2 Outdoor Panoramic Camera - Features : Lens; Page. No: Page. No 44          | Fixed 6 mm, DC-Iris   | We used the Panoramic camera for wide angle coverage for the surveillance. 3mm focal length lens will provide more wider view of angle compare to 6mm lens. Please change the lens focal length for wider view of angle. DC-IRIS is the part of Box Camera where external Lens connects with the camera, but Panoramic camera comes with fixed lens it used Auto-IRIS. So please change the DC-IRIS.   | With a lower focal length, the pixels per meter required for object/Number Plate/ face identification will not be sufficient. However, bidders are advised to select a panoramic camera with 3 or more lenses with 5 MP resolution per sensor & bidder selected focal length - meeting the functional specifications of clear identification of number plate & face at a radial distance of 25 meters at a camera height of 4 meter. |

| Query No. | Bidder Name  | Bid Ref. No.  | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting  |
|-----------|--------------|---|--|--|---|
| 11        | Aditya Group | 6.2 Outdoor Panoramic Camera - Features : Certification ; Page. No: Page. No 44     | The system shall be ROHS, WEEE, ISO - 14001 and REACH compliant  | WEEE certificate is not standard certificate and, there is no Reach COMPLIANT certificate instead ask for RoHS Compliant. So please remove WEEE certificate and add UL, CE, FCC & BIS for maintain the quality of product.   | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder. |
| 12        | Aditya Group | 6.2 Outdoor Panoramic Camera - Features : Supported protocol; Page. No: Page. No 44 | DHCP, HTTP, HTTPS, NTP, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real Time Transport Protocol (SRTP) Bonjour, SNMP, and Secure Shell (SSH) | The protocol are proprietary and restricted to particular OEM and not standard as per requirement. So you are requested please remove (SRTP), (SSH), so that maximum OEM's can participate without affecting project performance.(For your reference these protocol only avail in Axis Camera. | With regard to the supported protocols, bidders are advised to comply with the tender requirement. In case of a specific non-compliance, if the same is functionally met by the system/solution, the same shall be acceptable. However, the onus of meeting such compliance lies on the bidder.         |
| 13        | Aditya Group | 6.2 Outdoor Panoramic Camera - Features : IR Illumination ; Page. No: Page. No 44   | Should cover radial distance of upto 20m.  | IR Range should be Minimum 30m for long distance night vision.   | Tender terms shall prevail.   |
| 14        | Aditya Group | 6.3. Outdoor PTZ Camera -Features : Dome ID; Page. No: Page. No 45                  | Minimum 100  | Dome ID is the part of Analog-Camera but now we are working on IP-camera so please remove this feature as not required.  | Dome ID denotes camera ID required for camera set-up. Any equivalent ID structure for camera set-up &/or identification is acceptable.  |

| Query No. | Bidder Name  | Bid Ref. No.   | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|--------------|--|--|---|---|
| 15        | Aditya Group | 6.4. Indoor Fixed Dome Camera- Features : Lens; Page. No: Page. No 46                                | 3-9 mm, DC-Iris  | Please increase the lens focal length for better zoom and wider angle of view. Now almost all OEM's Provides the 2.7~13.5mm where we get the 5x optical zoom. While 3~9mm lens provides 3 Optical zoom. DC-IRIS is the part of Box Camera where external Lens connects with the camera, but Panoramic camera comes with fixed lens it used Auto-IRIS. So please change the DC-IRIS. | Any higher specification, including 2.7-13.5 mm is acceptable. Auto-IRIS is acceptable.   |
| 16        | Aditya Group | 6.4. Indoor Fixed Dome Camera- Features : Resolutions and frame rates (H 264); Page. No: Page. No 47 | * Single-stream H 264 or MJPEG upto 1280 X960 @ 30 fps * Dual-stream H.264/MJPEG Primary stream programmable upto 1280 X 960 @30fps Secondary stream programmable upto 800X 600 @15fps | Please clarify which megapixel camera is required because as per RFP 5Megapixel cmos required but resolution asked for 1.3 megapixel. As per generic 5MP resolution is below: Primary stream programmable up to 2592x1944 @20 FPS or Better Secondary stream programmable up to 704x576 @20 FPS or better   | At 5 MP, the frame rate shall be 25 FPS or better for viewing. All the streams shall be user configurable (with respect to resolution, frame rate & compression standard). All the cameras shall have minimum 3 streams (2 streams per sensor in case of multi-sensor cameras).                         |
| 17        | Aditya Group | 6.4. Indoor Fixed Dome Camera- Features : Certification ; Page. No: Page. No 47                      | The system shall be ROHS, WEEE, ISO - 14001 and REACH compliant  | WEEE certificate is not standard certificate and, there is no Reach COMPLIANT certificate instead ask for RoHS Compliant. So please remove WEEE certificate and add UL, CE, FCC & BIS for maintain the quality of product.  | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder. |

| Query No. | Bidder Name  | Bid Ref. No.  | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|--------------|---|--|---|---|
| 18        | Aditya Group | 6.4. Indoor Fixed Dome Camera- Features : Supported protocol; Page. No: Page. No 47 | DHCP, HTTP, HTTPS, NTP, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real Time Transport Protocol (SRTP) Bonjour, SNMP, and Secure Shell (SSH) | The protocol are proprietary and restricted to particular OEM and not standard as per requirement. So you are requested please remove (SSH) so that maximum OEM's can participate without affecting project performance. (For your reference these protocol only avail in Axis Camera.  | With regard to the supported protocols, bidders are advised to comply with the tender requirement. In case of a specific non-compliance, if the same is functionally met by the system/solution, the same shall be acceptable. However, the onus of meeting such compliance lies on the bidder.   |
| 19        | Aditya Group | 6.5. Indoor Panoramic Camera- Features: Quality Image; Page. No: Page. No 47        | Minimum 5-megapixel progressive scan HD CMOS (Per Lens); Should have minimum 4 lenses/sensors .  | 5-megapixel resolution is very high for the 4-multi-lens panoramic Camera because each lens have own resolution that means it will be 20-megapixel. This is very high resolution for the surveillance camera it will take more bandwidth and more storage. You are being requested please reduce with 2-megapixel that will be sufficient and resolution will be 8-megapixel. Otherwise cost of the camera will increase unnecessary. | Tender terms shall prevail.   |
| 20        | Aditya Group | 6.5. Indoor Panoramic Camera- Features: Lens; Page. No: Page. No 48                 | Fixed 6 mm, DC-Iris  | We used the Panoramic camera for wide angle coverage for the surveillance. 3mm focal length lens will provide wider view of angle compare to 6mm lens. Please change the lens focal length for wider view of angle. DC-IRIS is the part of Box Camera where external Lens connects with the camera, but Panoramic camera comes with fixed lens it used Auto-IRIS. So please change the DC-IRIS.                                       | With a lower focal length, the pixels per meter required for object/Number Plate/ face identification will not be sufficient. However, bidders are advised to select a panoramic camera with 3 or more lenses with 5 MP resolutions per sensor & bidder selected focal length - meeting the functional specifications of clear identification of number plate & face at a radial distance of 25 meters at a camera height of 4 meter. |

| Query No. | Bidder Name  | Bid Ref. No.  | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting  |
|-----------|--------------|---|--|--|---|
| 21        | Aditya Group | 6.5. Indoor Panoramic Camera- Features: Certification; Page. No: Page. No 48      | The system shall be ROHS, WEEE, ISO - 14001 and REACH compliant  | WEEE certificate is not standard certificate and, there is no Reach COMPLIANT certificate instead ask for RoHS Compliant. So please remove WEEE certificate and add UL, CE, FCC & BIS for maintain the quality of product.   | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder. |
| 22        | Aditya Group | 6.5. Indoor Panoramic Camera- Features: Supported protocol; Page. No: Page. No 48 | DHCP, HTTP, HTTPS, NTP, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real Time Transport Protocol (SRTP) Bonjour, SNMP, and Secure Shell (SSH) | The protocols are proprietary and restricted to particular OEM and not standard as per requirement. So you are requested please remove (SRTP), (SSH), so that maximum OEM's can participate without affecting project performance. (For your reference these protocol only avail in Axis Camera. | With regard to the supported protocols, bidders are advised to comply with the tender requirement. In case of a specific non-compliance, if the same is functionally met by the system/solution, the same shall be acceptable. However, the onus of meeting such compliance lies on the bidder.         |
| 23        | Aditya Group | 6.6. ANPR Camera- Features : Lens ; Page. No: Page. No 48                         | 3 to 9 mm or better  | 3-9mm lens is not sufficient for ANPR there should be at least 4.1mm ~16.4mm Motorized zoom lens so that we can zoom in/out the camera by remotely.  | Tender terms shall prevail.   |
| 24        | Aditya Group | 6.6. ANPR Camera- Features: Video compression; Page. No: Page. No 49              | H.264 or better  | As per RFP required Video compression is H.264 is outdated compression please replace with H.265 which is saving up to 90% storage than H.264.   | Please refer to Point No. 17 of General Instructions/ Clarifications Section hereinabove.   |
| 25        | Aditya Group | 6.6. ANPR Camera- Features : IR Illumination; Page. No: Page. No 49               | Should cover radial distance of upto 20 m.   | 20m IR is not sufficient for the ANPR camera it should be at least 50m for better night vision.  | Tender terms shall prevail.   |

| Query No. | Bidder Name    | Bid Ref. No.                                 | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|----------------|--|--|---|---|
| 26        | Aditya Group   | 5.1.2.6 Storage and Recording                | 1 Camera Storage for 01 Day @ H.264 : 42.19 GB   | 1 Camera Storage for 01 Day @ H.265 : 21.09 GB  | Please refer to Point No. 17 of General Instructions/ Clarifications Section hereinabove. |
| 27        | Aditya Group   | 5.1.2.6 Storage and Recording                | 1 Camera Storage for 30 Day @ H.264 : 1.24 TB  | 1 Camera Storage for 30 Day @ H.265 : 632.81 GB   | Please refer to Point No. 17 of General Instructions/ Clarifications Section hereinabove. |
| 28        | Aditya Group   | Suggestions                                  |  | The CCTV OEM should have factory in India for manufacturing of cameras and associated items. Valid factory license shall be submitted along with the bid.   | Tender terms shall prevail.   |
| 29        | Aditya Group   | Suggestions                                  |  | The OEM should have an average annual turnover of Rs. 500 Crores during the last 3 Financial Years, ending 31st March 2018.   | Tender terms shall prevail.   |
| 30        | Aditya Group   | Suggestions                                  |  | The CCTV OEM should have its registered office and service/ support center in the state of MP.  | Tender terms shall prevail.   |
| 31        | Aditya Group   | Suggestions                                  |  | The OEM of the CCTV camera must have more than 500 employees on its payroll in India. This is to justify that CCTV OEM has made investment in India and is serious about its business in India which will ensure long term after sales support and spare support from the OEM. Necessary supporting document/ certificate shall be provided along with the bid. | Tender terms shall prevail.   |
| 32        | Aditya Group   | Suggestions                                  |  | The OEM of the CCTV equipments should not be banned by any government/ institution globally.  | Tender terms shall prevail.   |
| 33        | Arecont Vision | 2.15.5 Eligibility Prequalification Criteria | The bidder should have experience of executing at least one (1) project for the implementation of Video Surveillance System of value more than Rs.50.4 Crore during the last 3 years from the date of publication of the tender. | We request for relaxation of the clause; This is a restrictive clause and has no qualitative evaluation impact on the overall delivery capability of the bidder   | Tender terms shall prevail.   |

| Query No. | Bidder Name    | Bid Ref. No.                                      | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting   |
|-----------|----------------|---|--|---|--|
| 34        | Arecont Vision | 2.16.1.1 Eligibility Prequalification Criteria –  | The camera OEM shall have supplied & installed a minimum of 2000 IP cameras in a single project in India since the last three years ending last day of the month previous to the one in which tender is invited. | We request for the following change “ The camera OEM shall have supplied & installed a minimum of 2000 IP cameras in a single project in globally ) since the last three years ending last day of the month previous to the one in which tender is invited. Global players keen to participate who along with their partners qualify in all techno functional criterion are able to participate and we have multiple criterion in the RFP which de risk the project from implementation and support criterions ; hence opening up the clause will only ensure correct techno commercial discovery to the benefit of the end user and ensure productive utilization of public funds. | Tender terms shall prevail.  |
| 35        | Arecont Vision | 2.16.3 Eligibility Prequalification Criteria –    | The camera OEM should be operating in India for the last three years & should have an Installation base of more than 10000 cameras in India.   | We request for the following change “ The camera OEM should be operating in India for the last three years and The clause “should have an Installation base of more than 10000 cameras in India.” should either be deleted or global reference be allowed; We respectfully submit this clause is restricting the selection to few legacy makes and does not allow certain global leaders who may have recently come into India to participate without adding any significant value from a capability evaluation perspective.  | Tender terms shall prevail.  |
| 36        | Arecont Vision | Page No 43/106 and 48/106                         | Image sensor   | The image sensors of cameras of similar resolution may kindly be standardized; This helps in optimization and value benefit to the end user   | The tender specifies non-uniform sensor sizes for different types of cameras. The same is being standardised as "Sensor size of 1/3" or better" without affecting the specified light sensitivity. |
| 37        | Arecont Vision | Page No 43/106                                    | Certification and housing IP67   | IP 66 or better may be permitted; Optimal recommended configuration and will also standardize for camera of similar formats and resolution IP 66 is the global standard for Outdoor environment installations.  | Please refer to Section 5.1.2.13 of the tender document in this regard.  |
| 38        | Arecont Vision | Technical Specifications 6.1 Fixed Outdoor Camera | Audio I/O  | Delete Please; This has no functional productive use in the environment of implementation and is a cost over load ``and will also standardize for camera of similar formats and resolution  | The Audio Input is required for only the Courtroom Panoramic cameras.  |

| Query No. | Bidder Name    | Bid Ref. No.   | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting   |
|-----------|----------------|----------------|---|--|--|
| 39        | Arecont Vision | Page no 46/106 | Wide dynamic range True WDR 100dB or equivalent or better | We request for 85dB and higher to be accepted; A good true WDR solution with Image enhancement technology gets the same functional benefit at a lesser cost and ensure saving of public funds at no compromise of functional utility.  | The tender requires the Wide Dynamic Range to be True WDR 100dB or equivalent or better. However, the onus of proving equivalence lies on the bidders. |
| 40        | Arecont Vision |                |   | We would also like to highlight some of our submissions on some points brought up in the pre-bid and would like the same to be in your consideration<br>a) Cloud hosting of Surveillance infrastructure is not a recommended practice, a quick check of the references globally will bring out that probably less than 5% (on a higher side) of similar sites have gone with this strategy. We highlight the following challenges<br>a. Cyber security.<br>b. Restricted upload and download speeds.<br>c. Challenges to utilize the benefit of the resolution proposed. | Tender terms shall prevail.  |
| 41        | Arecont Vision |                |   | b) 3-9 mm Lens vs 12-50 mm lens The utility of the focal length of the camera is to get the desired pixels at the functional distances proposed at the sites<br>a. 3-9 mm Dead Zone 1.5 meters to 6 meters<br>b. 5-50 mm Dead Zone 3 meters to 23 meters<br>This makes it sufficiently evident that utility of 12-50 mm lens will not be used for the proposed site implementations. It will be over specification and unproductive and 3-9 mm lens or better is the recommended selection.  | Tender terms shall prevail.  |

| Query No. | Bidder Name    | Bid Ref. No. | Bid Condition | Query   | MPHC Response / Reply of pre-bid meeting |
|-----------|----------------|--------------|---------------|---|--|
| 42        | Arecont Vision |              |               | <p>a) 2MPvs 5 MP of Surveillance infrastructure ; the 2MP is a restricted choice from the following perspectives</p> <p>a. Lesser horizontal pixels and hence lesser clarity and less distance of the field of view will impact either the clarity of the no of cameras count for the same field of view which will have an inverse impact of the cost of Associated infrastructure like networking , display solution and VMS licenses</p> <p>b. 2 MP is progressively getting obsolete and 5 MP is the way to go to future proof the investment of the public money</p> <p>b) Panoramic of Surveillance infrastructure ; the 2MP is a restricted choice from the following perspectives</p> <p>a. Lesser horizontal pixels and hence lesser clarity and less distance of the field of view will impact either the clarity of the no of cameras count for the same field of view which will have an inverse impact of the cost of Associated infrastructure like networking , display solution and VMS licenses E44</p> <p>b. 2 MP is progressively getting obsolete and 5 MP is the way to go to future proof the investment of the public money E43.</p> | Tender terms shall prevail.              |
| 43        | Arecont Vision |              |               | <p>c) During the pre-bid meeting, one of the OEM representatives made a comment that the panoramic camera is available with only one OEM &amp; that a 2 MP camera would suffice the purpose. We wish to highlight that panoramic cameras are available with over 10 major OEMs, including Axis, Avigilon, Pelco, Samsung, Mobotix &amp; Vivotek. Also, a 2 MP camera will never suffice the purpose of a 3-sensor or a 4-sensor panoramic camera</p>  | Tender terms shall prevail.              |

| Query No. | Bidder Name | Bid Ref. No.                     | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting                                 |
|-----------|-------------|----------------------------------|---|--|--|
| 44        | Barco       | Clause No. 6.32; Page No. 74, 75 | Video Wall Controllers : Display Controller to control upto 12 panels, with required outputs, in any matrix combination; Capable of taking universal/multiple inputs (>10) & outputs for video/data along with necessary wall management software; Dual Gigabit Ethernet Ports with support for additional adapters; 4-DVI-D/HDMI Outputs; Support for Full HD resolution at full frame rate for all panels; Intel Xeon i7 64-bit processor with 16GB RAM; 1 TB HDD | Processor /Architecture: Min Xeon 3.5Ghz, Memory: Min 32GB, Output card each port should be 4K capable. HDD 1000GB RAID 1, Windows 10<br><br>Inputs: 4 nos HDMI inputs on card with 1 no Streaming input.  | Tender terms shall prevail.  |
| 45        | Barco       | Clause No. 6.32; Page No. 74, 75 | Features Minimum Specifications   | The display wall shall be composed of an array of 4 rows (Height) x 4 column (width) direct LED lit LCD panel 55 inch diagonal size i.e 2.75M (height) x 4.85M (width)   | Tender terms shall prevail.  |
| 46        | Barco       | Clause No. 6.32; Page No. 74, 75 | General Very narrow & black bezel (<3mm) CCTV Monitor suitable for  | no more than 0.5 mm mechanical gap between adjacent screens  | Shall be read as "General Very narrow & black bezel (<1mm) CCTV Monitor" |
| 47        | Barco       | Clause No. 6.32; Page No. 74, 75 | continuous (24x7x365) use with MTBF of more than 80,000 Hrs;  | continuous (24x7x365) use with Life more than 100,000 hours  | Tender terms shall prevail.  |
| 48        | Barco       | Clause No. 6.32; Page No. 74, 75 | Screen Min. 55" LED (2x6 Matrix)  | BOM says 4x2 70" display, kindly confirm; All panels shall of 55" diagonal size and optimized to work in a multi-screen arrangement with no more than 0.5 mm mechanical gap between adjacent screens   | Shall be read as "Screen Min. 55" LED (2x6 Matrix)".                     |
| 49        | Barco       | Clause No. 6.32; Page No. 74, 75 | Resolution 1920x1080 or better  | Each LCD Panel must have Built-in light and colour sensors with feedback loops to keep display performance, such as luminance and colour, uniform in time across the entire display wall. The sensors must measure both brightness and colour. Human intervention should not be involved | Tender terms shall prevail.  |

| Query No. | Bidder Name | Bid Ref. No.                     | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting |
|-----------|-------------|----------------------------------|--|--|--|
| 50        | Barco       | Clause No. 6.32; Page No. 74, 75 | Brightness   | 800cd/m2 (typical)   | Tender terms shall prevail.              |
| 51        | Barco       | Clause No. 6.32; Page No. 74, 75 | Power supply   | External redundant power supply for minimum downtime and easy replacement  | Tender terms shall prevail.              |
| 52        | Barco       | Clause No. 6.32; Page No. 74, 75 | Monitor Mounting Mounting kits, Brackets & Supports to suit installation requirements. | Each LCD panel shall have signal "cropping" capabilities allowing a single image to be displayed across the entire video wall array  | Tender terms shall prevail.              |
| 53        | Barco       | Clause No. 6.32; Page No. 74, 75 | Certifications UL, FCC, CE,  | Display Requirements; BIS is important for Indian installation   | Tender terms shall prevail.              |
| 54        | Barco       | Clause No. 6.32; Page No. 74, 75 |  | Resolution; In order to achieve acceptable image quality for both video and graphics, and to avoid pixel loss, the LCD panel must be of native resolution of 1920 x 1080.  | Tender terms shall prevail.              |
| 55        | Barco       | Clause No. 6.32; Page No. 74, 75 |  | Construction; Each "LCD Display" or "Panel" shall be of a "industrial" grade quality with metallic-constructed fully enclosed light tight housing. The housing shall be of all-metallic construction with clear and easy access to the source and power connections. The LCD panel should utilise VA technology. The net weight of the LCD should be less than 18kg. | Tender terms shall prevail.              |
| 56        | Barco       | Clause No. 6.32; Page No. 74, 75 |  | Wide viewing ; Each display shall utilize a high contrast screen (anti-glare) with sizes of 55" diagonal. The screen shall have a H 178°/V 178° viewing angle or greater with a screen "haze" value of 44% or greater for wide viewing angles for operators.   | Tender terms shall prevail.              |
| 57        | Barco       | Clause No. 6.32; Page No. 74, 75 |  | Brightness.; The "Typical" Luminance specification must be 800 Cd/m2 (nits) or higher with a "Typical" Contrast Ratio of 4000:1 or greater in normal operation.  | Tender terms shall prevail.              |
| 58        | Barco       | Clause No. 6.32; Page No. 74, 75 |  | Brightness Uniformity >95% @21 points  | Tender terms shall prevail.              |
| 59        | Barco       | Clause No. 6.32; Page No. 74, 75 |  | Illumination; Each LCD Panel shall be equipped with Direct LED illumination. The LEDs should have a "Typical" lifetime rating of ≥100K hours in normal operation for cost-effective operation.   | Tender terms shall prevail.              |

| Query No. | Bidder Name | Bid Ref. No.  | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting   |
|-----------|-------------|---|--|---|--|
| 60        | Barco       | Clause No. 6.32; Page No. 74, 75                        |  | Automatic colour and brightness adjustment.; Each LCD panel shall be equipped with two (2) built-in sensors, permitting the brightness level of each LED Backlight to be controlled and adjusted automatically. Light intensity from each panel will be monitored and adjusted automatically during calibration. The brightness target can be changed for the entire display wall via control management software without having to physically interact with each panel separately. | Tender terms shall prevail.  |
| 61        | Barco       | Clause No. 6.32; Page No. 74, 75                        |  | Panel uniformity; When measured at least 25 pixels placed at 99% of the diagonal length the resulting uniformity level shall be equal or above 92%  | Tender terms shall prevail.  |
| 62        | Barco       | Clause No. 6.32; Page No. 74, 75                        |  | Integrated Power Supply; The LCD panels shall have the option to utilize an internal AC-DC power supply. The resulting system shall support Auto-failover capability in case one of the internal AC-Dc would fail   | Tender terms shall prevail.  |
| 63        | Barco       | Clause No. 6.32; Page No. 74, 75                        |  | Input signal flexibility; The LCD panels shall have digital input connectivity options, including, but not limited to, HDMI, full Display Port and IP inputs supporting up to Quad HD resolutions at 30fps or higher.   | Tender terms shall prevail.  |
| 64        | Barco       | Clause No. 6.32; Page No. 74, 75                        |  | Each LCD panel shall have the ability to "loop-through" any selected digital input signal via a HDMI connection   | Tender terms shall prevail.  |
| 65        | Barco       | Clause No. 6.32; Page No. 74, 75                        |  | Central controller; A dedicated control appliance with a network interface shall constantly monitor and communicate with each LCD panel to adjust its individual colours and brightness to a common value via a network switch and Cat 5/6 cables pulled to the RJ45 connector on each panel.   | Tender terms shall prevail.  |
| 66        | Barco       | Clause No. 6.32; Page No. 74, 75                        |  | IP control; The control of the wall shall be possible via a network. All LCD panels shall have their own IP address, and the control software can access all of them at the same time. The available features shall be: On/Off, Brightness and Colour, Input control  | Tender terms shall prevail.  |
| 67        | Barco       | Clause No. 6.32; Page No. 74, 75                        |  | SAME OEM; Panel, controller and software should be from same OEM  | Tender terms shall prevail.  |
| 68        | Barco       | Part ii, HC Command & Control Center (Jabalpur), page 3 | Video Wall (70" Monitors (2x4) with Controller & all | Pls delete and consider suggested solution  | Shall be read as "Screen Min. 55" LED (2x6 Matrix)". Tender terms shall prevail. |

| Query No. | Bidder Name | Bid Ref. No.  | Bid Condition  | Query                                      | MPHC Response / Reply of pre-bid meeting |
|-----------|-------------|---|--|--|--|
| 69        | Barco       | Part ii, HC Command & Control Center (Jabalpur), page 3           | other accessories & Components   | Pls delete and consider suggested solution | Tender terms shall prevail.              |
| 70        | Barco       | Part 1, 6.32. Video Wall, Video Wall Controllers, Page 74         | Display Controller to control upto 12 panels, with required outputs, in  | Pls delete and consider suggested solution | Tender terms shall prevail.              |
| 71        | Barco       | Part 1, 6.32. Video Wall, Video Wall Controllers, Page 74         | any matrix combination; Capable of taking universal/multiple inputs      | Pls delete and consider suggested solution | Tender terms shall prevail.              |
| 72        | Barco       | Part 1, 6.32. Video Wall, Video Wall Controllers, Page 74         | (>10) & outputs for video/data along with necessary wall management      | Pls delete and consider suggested solution | Tender terms shall prevail.              |
| 73        | Barco       | Part 1, 6.32. Video Wall, Video Wall Controllers, Page 74         | software; Dual Gigabit Ethernet Ports with support for additional        | Pls delete and consider suggested solution | Tender terms shall prevail.              |
| 74        | Barco       | Part 1, 6.32. Video Wall, Video Wall Controllers, Page 74         | adapters; 4-DVI-D/HDMI Outputs; Support for Full HD resolution at full   | Pls delete and consider suggested solution | Tender terms shall prevail.              |
| 75        | Barco       | Part 1, 6.32. Video Wall, Video Wall Controllers, Page 74         | frame rate for all panels; Intel Xeon i7 64-bit processor with 16GB RAM; | Pls delete and consider suggested solution | Tender terms shall prevail.              |
| 76        | Barco       | Part 1, 6.32. Video Wall, Video Wall Controllers, Page 74         | 1 TB HDD   | Pls delete and consider suggested solution | Tender terms shall prevail.              |
| 77        | Barco       | Part 1, 6.32. Video Wall, Video Wall Management Software, Page 74 | Support for Multiclient/console; Software enable user to display,        | Pls delete and consider suggested solution | Tender terms shall prevail.              |
| 78        | Barco       | Part 1, 6.32. Video Wall, Video Wall Management Software, Page 74 | multiple sources up to any size and anywhere on the display wall; auto   | Pls delete and consider suggested solution | Tender terms shall prevail.              |
| 79        | Barco       | Part 1, 6.32. Video Wall, Video Wall Management Software, Page 74 | source detection; Should support for Video, RGB, DVI, Internet Explorer, | Pls delete and consider suggested solution | Tender terms shall prevail.              |
| 80        | Barco       | Part 1, 6.32. Video Wall, Video Wall Management Software, Page 74 | Desktop Application and Remote Desktop Monitoring Layouts; Built-in      | Pls delete and consider suggested solution | Tender terms shall prevail.              |

| Query No. | Bidder Name | Bid Ref. No.  | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting   |
|-----------|-------------|---|---|---|--|
| 81        | Barco       | Part 1, 6.32. Video Wall, Video Wall Management Software, Page 74 | auto-layout scheduler;<br>Multiple concurrent client support.   | Pls delete and consider suggested solution  | Tender terms shall prevail.  |
| 82        | Barco       | Part 1, 6.32. Video Wall, Monitors, General, Page 74              | Very narrow & black bezel (<3mm) CCTV Monitor suitable for continuous (24x7x365) use with MTBF of more than 80,000 Hrs; | Pls delete and consider suggested solution  | Shall be read as "General Very narrow & black bezel (<1mm) CCTV Monitor".<br>Tender terms shall prevail. |
| 83        | Barco       | Part 1, 6.32. Video Wall. Monitors, Screen, Page 74               | Min. 55" LED (2x6 Matrix)   | Pls delete and consider suggested solution  | Tender terms shall prevail.  |
| 84        | Barco       | Part 1, 6.32. Video Wall , Resolution Monitors Page 74            | 1920x1080 or better   | Pls delete and consider suggested solution  | Tender terms shall prevail.  |
| 85        | Barco       | Part 1, 6.32. Video Wall, Monitor Mounting, Monitors Page 74      | Mounting kits, Brackets & Supports to suit installation requirements  | Pls delete and consider suggested solution  | Tender terms shall prevail.  |
| 86        | Barco       | Part 1, 6.32. Video Wall, Certifications , Monitors Page 74       | UL, FCC, CE   | Pls delete and consider suggested solution  | Tender terms shall prevail.  |
| 87        | Barco       | Suggestions: Video Wall Screen                                    | Display Wall Screen Size  | 70" DLP Rear Projection cube  | Tender terms shall prevail.  |
| 88        | Barco       | Suggestions: Video Wall Screen                                    | Native Resolution per cube  | The System should be able to display Full HD Content (1920 x 1080) with a 1:1 mapping between the pixels and the mirrors and should not make use of any overlap of pictures                   | Tender terms shall prevail.  |
| 89        | Barco       | Suggestions: Video Wall Screen                                    | Aspect Ratio  | The Display Module should have a native aspect of 16 : 9  | Tender terms shall prevail.  |
| 90        | Barco       | Suggestions: Video Wall Screen                                    | Light Source  | The Display Module shall be 70" Diagonal DLP-based Display Modules with solid-state (LED) illumination  | Tender terms shall prevail.  |
| 91        | Barco       | Suggestions: Video Wall Screen                                    | Brightness  | on screen brightness Minimum 300 cd/m2  | Tender terms shall prevail.  |
| 92        | Barco       | Suggestions: Video Wall Screen                                    | Brightness Uniformity   | 95%   | Tender terms shall prevail.  |
| 93        | Barco       | Suggestions: Video Wall Screen                                    | Contrast ratio  | Typical 1600:1  | Tender terms shall prevail.  |
| 94        | Barco       | Suggestions: Video Wall Screen                                    | Color Calibration   | Automatic and continuous colour and brightness management mechanism to be provided so that same level of colors , contrast & brightness is maintained throughout the life period of equipment | Tender terms shall prevail.  |

| Query No. | Bidder Name | Bid Ref. No.                                  | Bid Condition                  | Query   | MPHC Response / Reply of pre-bid meeting |
|-----------|-------------|---|--------------------------------|---|--|
| 95        | Barco       | Suggestions: Video Wall Screen                | Connectivity                   | he VDW shall be capable of displaying 4K ,high definition (HD) and standard definition (SD) content   | Tender terms shall prevail.              |
| 96        | Barco       | Suggestions: Video Wall Screen                | Lifetime                       | Normal mode: 60 000h  | Tender terms shall prevail.              |
| 97        | Barco       | Suggestions: Video Wall Screen                | Lifetime                       | Eco mode: 80 000h   | Tender terms shall prevail.              |
| 98        | Barco       | Suggestions: Video Wall Screen                | Inputs                         | Dual link DVI-D in/out  | Tender terms shall prevail.              |
| 99        | Barco       | Suggestions: Video Wall Screen                | Power                          | 100 - 240 VAC, 60 - 50Hz, (below values are for 230V; 110V +5%)   | Tender terms shall prevail.              |
| 100       | Barco       | Suggestions: Video Wall Screen                | Eco mode                       | less than 100W  | Tender terms shall prevail.              |
| 101       | Barco       | Suggestions: Video Wall Screen                | Heat Dissipation               |   | Tender terms shall prevail.              |
| 102       | Barco       | Suggestions: Video Wall Screen                | Eco mode                       | Less than 350 BTU/h (eco)   | Tender terms shall prevail.              |
| 103       | Barco       | Suggestions: Video Wall Screen                | Operating conditions           |   | Tender terms shall prevail.              |
| 104       | Barco       | Suggestions: Video Wall Screen                | Remote management through IP   | Remote management through IP for parameter adjustment. Each cube should have built-in web server  | Tender terms shall prevail.              |
| 105       | Barco       | Suggestions: Video Wall Screen                | Acess                          | Rear only   | Tender terms shall prevail.              |
| 106       | Barco       | Suggestions: Video Wall Screen                | Pixel clock                    | The pixel clock shall be > 320 MHz  | Tender terms shall prevail.              |
| 107       | Barco       | Suggestions: Video Wall Screen                | Signal Processing              | Each cube should have cropping/scaling capability   | Tender terms shall prevail.              |
| 108       | Barco       | Suggestions: Video Wall Screen                | Screen Half-gain Viewing Angle | Hor: 35 degrees +/- 3<br>Ver: 18 degrees +/- 3  | Tender terms shall prevail.              |
| 109       | Barco       | Suggestions: Video Wall Screen                | Serviceability                 | The system shall be serviceable for a minimum 5 years.  | Tender terms shall prevail.              |
| 110       | Barco       | Suggestions: Video Wall Screen                | Serviceability                 | The manufacturing should be done at ISO Certified Facilities  | Tender terms shall prevail.              |
| 111       | Barco       | Suggestions: Display Wall Management Software | Layouts                        | The software should be able to pre configure various display layouts and access them at any time with a simple mouse click or schedule/timer based.                                   | Tender terms shall prevail.              |
| 112       | Barco       | Suggestions: Display Wall Management Software | Sources                        | The software should be able display multiple sources anywhere on video wall in any size.  | Tender terms shall prevail.              |
| 113       | Barco       | Suggestions: Display Wall Management Software | Remote Viewing                 | The video wall content should be able to show live on any remote display like laptop, mobile with IE, Chrome, Safari (No apps)  | Tender terms shall prevail.              |
| 114       | Barco       | Suggestions: Display Wall Management Software |                                | The display solution as well as the complete control ware including Display Controller, Central management SW & Web-streaming hardware as well as software should be of same Make/OEM | Tender terms shall prevail.              |

| Query No. | Bidder Name | Bid Ref. No.                                  | Bid Condition                      | Query  | MPHC Response / Reply of pre-bid meeting |
|-----------|-------------|---|------------------------------------|--|--|
| 115       | Barco       | Suggestions: Display Wall Management Software | Software features                  | Video Wall Control Software shall allow commands on wall level or cube level or a selection of cubes :   | Tender terms shall prevail.              |
| 116       | Barco       | Suggestions: Display Wall Management Software | Software features                  | <ul style="list-style-type: none"> <li>Switching the entire display wall on or off.</li> </ul>   | Tender terms shall prevail.              |
| 117       | Barco       | Suggestions: Display Wall Management Software | Software features                  | <ul style="list-style-type: none"> <li>Setting all projection modules to a common brightness target, which can be either static (fixed) or dynamic to always achieve maximum (or minimum) common brightness between projection modules.</li> </ul> | Tender terms shall prevail.              |
| 118       | Barco       | Suggestions: Display Wall Management Software | Software features                  | <ul style="list-style-type: none"> <li>Fine-tune colour of each cube</li> </ul>  | Tender terms shall prevail.              |
| 119       | Barco       | Suggestions: Display Wall Management Software | Client & Server based Architecture | Should support Multiple clients / Consoles to control the Wall layouts   | Tender terms shall prevail.              |
| 120       | Barco       | Suggestions: Display Wall Management Software | Collaboration                      | The Software should be able to share layouts comprising of multiple sources with workstations / Displays over LAN for remote monitoring  | Tender terms shall prevail.              |
| 121       | Barco       | Suggestions: Display Wall Management Software | Scaling                            | Software should enable the user to display multiple sources (both local & remote) up to any size and anywhere on the display walls (both local & remote).  | Tender terms shall prevail.              |
| 122       | Barco       | Suggestions: Display Wall Management Software | Display                            | The software should be able to create layouts and launch them as and when desired  | Tender terms shall prevail.              |
| 123       | Barco       | Suggestions: Display Wall Management Software | Remote Control                     | The Display Wall and sources (both local & remote) should be controlled from Remote PC through LAN without the use of KVM Hardware.  | Tender terms shall prevail.              |
| 124       | Barco       | Suggestions: Display Wall Management Software | Layout Scheduler                   | All the Layouts can be scheduled as per user convince.   | Tender terms shall prevail.              |
| 125       | Barco       | Suggestions: Display Wall Management Software | Layout Scheduler                   | Software should support auto launch of Layouts according to specified time event by user   | Tender terms shall prevail.              |
| 126       | Barco       | Suggestions: Display Wall Management Software | Layout Management                  | It should be possible to create layouts comprising of screen scrapped content of Workstations, DVI inputs, Web sources, URLs configured as sources. Layouts can be pre configured or changed in real time  | Tender terms shall prevail.              |
| 127       | Barco       | Suggestions: Display Wall Management Software | Layouts Configuration              | Can be pre configured or changed in real time  | Tender terms shall prevail.              |
| 128       | Barco       | Suggestions: Display Wall Management Software | Scheduling                         | It should be possible to schedule specific Layout based on time range  | Tender terms shall prevail.              |

| Query No. | Bidder Name | Bid Ref. No.                                  | Bid Condition                  | Query   | MPHC Response / Reply of pre-bid meeting |
|-----------|-------------|---|--------------------------------|---|--|
| 129       | Barco       | Suggestions: Display Wall Management Software | Sharing & Collaboration        | It should be possible to share the layouts over LAN/WAN Network with Display in Meeting room or on Remote Workstations connected on LAN/WAN Network   | Tender terms shall prevail.              |
| 130       | Barco       | Suggestions: Display Wall Management Software | Soft KVM                       | The system shall include complete Soft KVM to permit operators to take mouse & keyboard control of Displays, Screen Scrapped applications and DVI source  | Tender terms shall prevail.              |
| 131       | Barco       | Suggestions: Display Wall Management Software | Ticker                         | It should be possible to create two separate Tickers which run concurrently . These can be positioned at top or bottom and can run independently .The Ticker can be picked from data source through screen scrapping or through typing specific incidence, manually | Tender terms shall prevail.              |
| 132       | Barco       | Suggestions: Display Wall Management Software | OEM Certification              | All features and functionality should be certified by the OEM.  | Tender terms shall prevail.              |
| 133       | Barco       | Suggestions: Display Wall Management Software | OEM Certification              | The Display Modules, Display Controller & Software should be from a single OEM.   | Tender terms shall prevail.              |
| 134       | Barco       | Suggestions: Display Wall Controller          | Display controller             | Controller to be able to control cubes  | Tender terms shall prevail.              |
| 135       | Barco       | Suggestions: Display Wall Controller          | Redundant Controller           | The controller should be based on the latest architecture.  | Tender terms shall prevail.              |
| 136       | Barco       | Suggestions: Display Wall Controller          | Platform                       | Windows Xeon Quad core 3 Ghz or Core i7 3Ghz above  | Tender terms shall prevail.              |
| 137       | Barco       | Suggestions: Display Wall Controller          | Processor                      | Intel Xeon  | Tender terms shall prevail.              |
| 138       | Barco       | Suggestions: Display Wall Controller          | RAM                            | 32 GB   | Tender terms shall prevail.              |
| 139       | Barco       | Suggestions: Display Wall Controller          | Chassis Type                   | 19" Rack mount industrial chassis   | Tender terms shall prevail.              |
| 140       | Barco       | Suggestions: Display Wall Controller          | Network                        | 2 Network Ports   | Tender terms shall prevail.              |
| 141       | Barco       | Suggestions: Display Wall Controller          | Resolution Support For Outputs | Minimum 1920 x 1080 or higher   | Tender terms shall prevail.              |
| 142       | Barco       | Suggestions: Display Wall Controller          | Ticker                         | There should be a possibility in the controller to create user defined multiple tickers. It should also be possible to place these tickers anywhere on the wall   | Tender terms shall prevail.              |
| 143       | Barco       | Suggestions: Display Wall Controller          | Scalability                    | The system should be able to add additional inputs as required in the future  | Tender terms shall prevail.              |
| 144       | Barco       | Suggestions: Display Wall Controller          | Control                        | The system should have the capabilities of interacting (Monitoring & Control) with various applications on different network through the single Operator Workstation. It shall be possible to launch layouts, change layouts in real time using Tablet              | Tender terms shall prevail.              |

| Query No. | Bidder Name | Bid Ref. No.                         | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting        |
|-----------|-------------|--------------------------------------|--|---|---|
| 145       | Barco       | Suggestions: Display Wall Controller | Redundancy   | Redundant Hot Swappable HDD in RAID 1 Configuration   | Tender terms shall prevail.                     |
| 146       | Barco       | Suggestions: Display Wall Controller | Redundancy   | Redundant Hot Swappable Power Supply  | Tender terms shall prevail.                     |
| 147       | Barco       | Suggestions: Display Wall Controller | Keyboard & Mouse Extension   | Keyboard and Mouse along with mechanism to extend them to 20 Mtrs. operator desk from display controller to be provided   | Tender terms shall prevail.                     |
| 148       | Barco       | Suggestions: Display Wall Controller | 24 x 7 operation   | The controller shall be designed for 24 x 7 operation   | Tender terms shall prevail.                     |
| 149       | Barco       | Suggestions: Display Wall Controller | Others   | The Video Wall and the Controller should be of the same make to ensure better performance and compatibility   | Tender terms shall prevail.                     |
| 150       | Barco       | Suggestions: Display Wall Controller | OEM Certification  | All features and functionality should be certified by the OEM. The Display Modules, Display Controller & Software should be from a single OEM.  | Tender terms shall prevail.                     |
| 151       | Bosch       | Clause No: 2.16.1; Page No: 13       | The OEM shall have an office & technical service support in India, with at least one software engineer on its payroll in India.                            | Request Department to Kindly ask to submit proof of OEM Direct Service Centre (Without channel Partner or Joint Venture) Details along with PTR.  | Tender terms shall prevail.                     |
| 152       | Bosch       | Clause No: 5.1.2.2; Page No: 27      | There are multiple types of VA rules such as people counting through a particular gate, tripwire, abandoned object, object removal, motion detection, etc. | Request department to add additional Analytics which may be useful as per site requirement: Object in field, Line crossing, Enter / leave field, Loitering, Follow route, Idle / removed object, Counting, Occupancy, Crowd density estimation, | Tender terms shall prevail.                     |
| 153       | Bosch       | Clause No: ; Page No: 32             | The Video Surveillance system shall have intelligent video analytics software on any of selected cameras (individually & in parallel).                     | request department to consider Video Analytics either at camera level or Server Level   | IVA can be either on the server or on the edge. |
| 154       | Bosch       | Clause No: 6.1; Page No: 43          | WDR(Wide Dynamic Range)  | Request Department to add WDR as per IEC 62676 Part 5 Standard, this standard to measure image quality /WDR   | Tender terms shall prevail.                     |

| Query No. | Bidder Name | Bid Ref. No.                | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|-----------------------------|---|---|---|
| 155       | Bosch       | Clause No: 6.1; Page No: 44 | The system shall be ROHS, WEEE, ISO - 14001 and REACH compliant | Request department to consider equivalent certification of REACH as it is EU regulation   | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder. |
| 156       | Bosch       | For All cameras             | Security Features to prevent from malicious attacks             | request you to Kindly mention Security features in cameras level to prevent Malicious attacks on cameras like Public Key Infrastructure (PKI) , AES 256 encryption. As per ISO/IEC 11889 international standard for a secure crypto processor | Tender terms shall prevail.   |
| 157       | Bosch       | For All cameras             | MTBF value  | Request department to mention MTBF values of cameras as more than 100000 Hrs, Test report to submit as a proof, similar to it is mentioned for other Networking equipment,  | Tender terms shall prevail.   |
| 158       | Bosch       | Clause No: 6.1; Page No: 44 | Camera should have micro SD/SDHC (128 GB)                       | Request department to mention SD card storage support upto 12 days for local recording considering remote sites   | Tender terms shall prevail.   |
| 159       | Bosch       | Clause No: ; Page No: 44    | All proposed cameras should be from single OEM.                 | request department to dilute this condition to make it competitive to all OEM   | The panoramic cameras can be proposed from a different OEM.   |

| Query No. | Bidder Name         | Bid Ref. No.                | Bid Condition | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|---------------------|-----------------------------|---------------|---|---|
| 160       | Bosch               | Clause No: 6.2; Page No: 44 |               | request department to change this with Dome cameras since as per Department of Justice CCTV guidelines also multi lense cameras are not mention in that, also not available with all OEMS | The rationale for using panoramic cameras is <b>a)</b> no blind spots <b>b)</b> 180 Deg Coverage, including identification at a radial distance of minimum 25 meters <b>c)</b> Lesser VMS licenses resulting in a saving of minimum Rs. 21,000/- per camera <b>d)</b> Lesser Ethernet Ports resulting in a saving of Rs. 48,000/- |
| 161       | Bosch               | For All cameras             | Protocols     | Request department to mention as mentioned protocols or as per OEM equivalent to make it generalize   | With regard to the supported protocols, bidders are advised to comply with the tender requirement. In case of a specific non-compliance, if the same is functionally met by the system/solution, the same shall be acceptable. However, the onus of meeting such compliance lies on the bidder.                                   |
| 162       | Digisol Systems Ltd |                             |               | For CAT 6 Outdoor Cable, Requirement is for GI Wire Armoured. We can offer ECCS Tape Armour.  | As long as the armour offers equivalent strength, it is acceptable. However, the bidders are advised to get themselves satisfied, with necessary documentary evidence, before proposing any alternate armour.   |

| Query No. | Bidder Name                           | Bid Ref. No. | Bid Condition | Query   | MPHC Response / Reply of pre-bid meeting  |
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| 163       | Digisol Systems Ltd                   |              |               | Fiber Pigtail: Specs calls to quote for OM3/OM4 and OS1/OS2 where as Fiber Cable specs. Is of OM1   | Bidders shall consider the pigtails compatible with their offered solution.   |
| 164       | Digisol Systems Ltd                   |              |               | Both of this should be of same Stnd and not diff stnd as above  | Bidders shall consider the pigtails compatible with their offered solution.   |
| 165       | Digisol Systems Ltd                   |              |               | Fiber Patch cords: Specs asks for 50/125 Micron MM for the OM3 Fiber Patch cord.  | Bidders shall consider the patch cords compatible with their offered solution.  |
| 166       | Digisol Systems Ltd                   |              |               | This specs should match Fiber Cable Specs.  | Bidders shall consider the patch cords compatible with their offered solution.  |
| 167       | Digisol Systems Ltd                   |              |               | CAT 6 I/O: We propose STP keystone without shutter.   | Tender terms shall prevail.   |
| 168       | Digisol Systems Ltd                   |              |               | Cat 6 UTP patch cords: Specs are for 23 AWG. We propose for 24 AWG.   | Tender terms shall prevail.   |
| 169       | Excel Digital Pvt. Ltd. (Tyco Letter) |              |               | With reference to the above mentioned tender for supply of Integrated Video Surveillance System, we believe that the tender is biased towards one vendor only. Since this tender involves installation in highly sensitive buildings like High Court and Subordinate Court premises the tender should have taken into consideration CCTV camera OEM who has large team in India with sales, service and technical support all present in India. | This is an unsubstantiated comment not deserving any response. The specifications are as per the Hon. Supreme Court guidelines.   |
| 170       | Excel Digital Pvt. Ltd. (Tyco Letter) |              |               | Also the type of camera proposed in the tender is over specked and will increase the price many times than required. 5MP dome, bullet and fixed camera and 20MP panoramic cameras are not required but 2MP cameras will suffice your requirement and reduce your cost by almost half.   | Tender terms shall prevail. The rationale for using panoramic cameras is a) no blind spots b) 180 Deg Coverage, including identification at a radial distance of minimum 25 meters c) Lesser VMS licenses d) Lesser Ethernet Ports resulting in further saving. |

| Query No. | Bidder Name                           | Bid Ref. No.               | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|---------------------------------------|----------------------------|--|---|---|
| 171       | Excel Digital Pvt. Ltd. (Tyco Letter) |                            |  | It clearly shows that the tender is made to favour one particular vendor only. We request you to review the tender in completeness to take a more open approach so that all major global cameras OEM can participate in this precious project.  | This is an unsubstantiated comment not deserving any response. The specifications are as per the Hon. Supreme Court guidelines. |
| 172       | Excel Digitech                        |                            | Biometric (fingerprint) readers shall be installed for access to high-security zones, fitted with EM lock, within the court premises. A card reader & an emergency break-glass shall be provided inside the secured areas. The readers shall be connected to a controller using Wiegand connectivity. The biometric template shall reside on the access card for 1:1 authentication. | Please clarify whether you want template on card or template stored on biometric controller. As in clause number 5.1.2.9 Access Control System shows template on controller.  | The biometric template shall reside on the access card for 1:1 authentication.  |
| 173       | Excel Digitech                        | 6.22. Biometric Controller | Reader Inputs Min 18 readers to be connected   | Having 18 readers inputs on a single controller is not advisable as it leads to single point of failure hence we request you to kindly amend this to standard 2 reader TCP/IP controller.   | The specifications are as per the Hon. Supreme Court guidelines in this regard. Tender terms shall prevail.                     |
| 174       | Excel Digitech                        |                            | Memory Minimum 1000 personnel Records and scalable to 10000  | Since it is centralized system hence we request you to kindly increase the controller's memory user database minimum 30000 and offline transaction 30000 and upgradable. It should be for next 10-15 years.   | Tender terms shall prevail.   |
| 175       | Excel Digitech                        |                            | Encryption 128-bit   | We request you to incorporate latest 256 bit encryption cyber security compliant in controller which is much safe and secure and avoid the any threat/hacking to the system. 128 Bit is old. Controller memory should be encrypted to make sure no data theft of user ID can be done. | Tender terms shall prevail.   |

| Query No. | Bidder Name    | Bid Ref. No.                  | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting   |
|-----------|----------------|-------------------------------|---|--|--|
| 176       | Excel Digitech |                               | Technology Compatibility Wiegand                            | We request you to kindly incorporate the latest Wiegand and OSDP protocol. Any reader failure in system will automatically inform to central server. Only possible in OSDP not in Wiegand. It also reduces the cable cost as it requires only 2 conductor wire cable.  | The reader & controller connectivity shall be as per the bidder proposed architecture. Wiegand or better protocol shall be acceptable. |
| 177       | Excel Digitech |                               | Certifications UL/CE  | As We understand you have asked UL certification almost for the CCTV, EM locks, Readers etc But In access control it is an option. Hence request you to kindly write UL and CE. Following are the latest certification for ACS (UL ensure the best quality product globally)<br>1. UL294 latest version for access control system.<br>2. UL1076 for intrusion alarm system<br>3. EN 50130-4:2011, EN 55022:2010-Class A, | Tender terms shall prevail.  |
| 178       | Excel Digitech |                               |   | 1. Controller should have the operating temperature up to 70 deg C suitable to work in harsh environment.  | Tender terms shall prevail.  |
| 179       | Excel Digitech | 6.23. Biometric Readers UL/CE |   | We request you to kindly incorporate more certification to ensure best quality of biometric reader.<br>1. UL certified sensor, FCC, CE, EN,<br>2. IEC 60695-11-3 EN55022:2010 Fire and flameproof enclosure.   | Tender terms shall prevail.  |
| 180       | Excel Digitech |                               | LCD panel Monochrome Graphics supertwist LCD with backlight | Non display biometric is recommended for long term use and high public area. Green /red Led will show the authentication.  | Tender terms shall prevail.  |
| 181       | Excel Digitech |                               |   | 1. Biometric reader should be IP65 rated for weatherproof and outdoor operation.<br>2. It should be ruggedized unit suitable to work in harsh environment.<br>3. Operating temperature should be 55 to 60 deg C.   | Tender terms shall prevail.  |
| 182       | Excel Digitech | 6.24. Card Readers            | Operating Temperature - 10° to 55 ° C                       | We request you to kindly increase the temperature range up to 65 Deg C.  | Tender terms shall prevail.  |
| 183       | Excel Digitech |                               | Environmental Rating IP65                                   | Since reader will be installed inside and outside both hence IP66 or more rating is recommended.   | The readers are proposed to be installed in an indoor environment. Tender terms shall prevail.   |

| Query No. | Bidder Name    | Bid Ref. No.                    | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting  |
|-----------|----------------|---------------------------------|--|--|---|
| 184       | Excel Digitech | 6.28. Smart Cards               | Operating temperature - 10 degree C to 55 degree C and Operating Humidity 5% to 95% relative humidity non-condensing | We request you to keep Operating temperature up to 70 Deg C for best of result as card will be widely used on daily basis.   | Tender terms shall prevail.   |
| 185       | Excel Digitech | 2.16. Proven Track Record (PTR) |  | As you have asked PTR for CCTV and VMS. Same should be ask for access control system as Access control is critical component and require lot of intergradations like fire, intrusion and alarm.<br>1. Access Control system OEM shall have supplied & installed a minimum of 2000 readers (RFID, biometric etc) in a single Project in India or globally successfully working for three years. User satisfactory certificate should also be submitted along with technical bid.  | Tender terms shall prevail.   |
| 186       | Excel Digitech |                                 |  | There should be same make common unified software for Access Control, Video management system and alarm system for seamless integration and operation.   | Please refer to the Point No. 6 of the General Instructions/Clarifications section hereinabove. |
| 187       | Excel Digitech |                                 |  | Access Control should be integrated with CCTV system to record live events and alarms as defined by user policy.   | Please refer to the Point No. 6 of the General Instructions/Clarifications section hereinabove. |
| 188       | Excel Digitech |                                 |  | At every location there should be provision of Integrated security console (Like a mimic panel with RED and green LED light and button) for Guard room as guard is not computer literate.<br>1. With the help of this unit guard can monitor the access control door, intrusion alarm etc even if communication is down.<br>2. This works in standalone mode even if communication is fail to local or central server.<br>3. Guard can mark attendance by swiping rfid card installed with console.<br>4. Guard can speak to the control room via emergency communication unit which has got two way video communication facilities. | Tender terms shall prevail.   |

| Query No. | Bidder Name    | Bid Ref. No.                                    | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting |
|-----------|----------------|---|---|---|--|
| 189       | Excel Digitech |   |   | 1. Diagnostics Application- This is a basic application in any large system for fault reporting and management. Since system will have hundreds of IP based products i.e. controllers, readers, data switches, server's etc. diagnostic application online keep a watch on every critical device and update the person concerned in case of failure. It can also escalate the issue if rectification is not done in a specified time.   | Tender terms shall prevail.              |
| 190       | Genetec Inc.   |   |   | C4i software as mentioned in the specification is more of PSIM which is more of integration and refers to establishing some form of connectivity between two standalone security systems (i.e. video, access control, Decision supporting system), a unified system is unique in that it refers to one platform that fully embeds all video surveillance, Decision supporting system and access control (ACS) capabilities. The two are fundamentally different and each represent different user benefits. | Tender terms shall prevail.              |
| 191       | Genetec Inc.   | 2.16.2 C4i& VMS OEM                             | The Security Management System OEM should have installed the solution in at least one multi-site (at least 200 state or nation-wide locations) integrated project in India. | We request to change the same to "The Security Management System OEM should have installed the solution in at least one multi-site (at least 200 state or nation-wide locations) integrated project in India/Globally".   | Global experience is acceptable.         |
| 192       | Genetec Inc.   | 2.16.2 C4i& VMS OEM                             |   | We suggest to add ISO 27001 certificate for software OEM as the same helps in ensuring IT security  | Tender terms shall prevail.              |
| 193       | Genetec Inc.   | 6.36. C4i Software, General Features Page no 78 | The C4I Software, VMS & IVA should work in an integrated manner as a single product & should preferably be from the same OEM  | We request to change the same to "The C4I Software, VMS, IVA& Access Control software should work in an unified manner as a single product & should be from the same OEM".  | Tender terms shall prevail.              |

| Query No. | Bidder Name     | Bid Ref. No.   | Bid Condition | Query  | MPHC Response / Reply of pre-bid meeting  |
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| 194       | Genetec Inc.    | 2.16.2 C4i& VMS OEM  |               | <p>We understand that cyber threats are increasing everyday &amp; there is no mention of cyber security parameters. As the installation is at a very critical location where protection &amp; privacy of data is of utmost importance. We suggest to add following cyber security parameters:</p> <ol style="list-style-type: none"> <li>1. Automated firmware updates, password enforcement methods, etc.</li> <li>2. Certification for cyber security.</li> <li>3. Fully encrypt any data transmitted and at rest within the systems</li> <li>4. Audited ISMS that complies with various government &amp; industry standards</li> <li>5. Protect the identity of anyone captured in live and recorded video.</li> </ol>  | Tender terms shall prevail.   |
| 195       | Genetec Inc.    | 6.16. VMS/ IVA Software  |               | The OEM should have integration with more than 50 CCTV OEMs all over the world and the same should be listed on their global website   | Tender terms shall prevail.   |
| 196       | Genetec Inc.    | 6.36. C4i Software, Disaster & Incident Management System (C4I) Page no 78 |               | There are many modules listed which are third party module like HRMS, Shelter Management, Project Tracking, Asset Management etc. We request you to please clarify whether these modules are required from day one or only provisions through SDK are required.  | The software shall have the capability to integrate with any / all of the mentioned modules.  |
| 197       | GSV Systems LLP |  |               | <p>On Page no. 12 of 106 of the tender document, Point#6, you have mentioned that "The bidder should have at least one service office in Madhya Pradesh" and you have also mentioned that "The details for administrative &amp; service infrastructure must be enclosed, as a part of a declaration duly certified by an auditor. Valid GST registrations for the respective office must be submitted, along with the project and support staff".</p> <p>Currently we do not have any office in Madhya Pradesh however we can submit an undertaking that we will setup an office within 30 days of award of tender and will register the GST on the same address as well. Moreover, all the bills will be raised from the same office using local GST number.</p> <p>If you could confirm that this undertaking is acceptable then it will enable us to participate in the tender.</p> | Section 2.15.6, Part I of the tender document shall be read as "The bidder should have at least one service office in Madhya Pradesh OR should open one within 30 days of issue of work Order by MPHC." |

| Query No. | Bidder Name    | Bid Ref. No.                     | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|----------------|----------------------------------|--|---|---|
| 198       | Hanwha Techwin |                                  |  | We urge you to add H.265 codec for all the cameras as the camera number is large and hence bandwidth should be minimised for optimizing storage.  | Please refer to Point No. 17 of General Instructions/ Clarifications Section hereinabove.   |
| 199       | Hanwha Techwin |                                  |  | We request you to add Analytics Like Loitering/Enter-Exit / Virtual Line/ Object (dis) appear /Sound analytics- Explosion, glass break ,scream ,gunshot as the installation is in critical infrastructure and these analytics can be very useful for End customer . | Tender terms shall prevail.   |
| 200       | Hanwha Techwin | Clause no 6.1-Lens               | 3.6 to 9 mm or better  | 3.7~9.4mm (2.5X) motorized varifocal  | 3 to 9 mm or better is acceptable.  |
| 201       | Hanwha Techwin | Clause no 6.1-Field of view      | 38°~ 95°(horizontal)<br>22°~53°(vertical)<br>43°~ 108°(diagonal)   | H : 100.2° ~ 38.7° / V : 72.7° ~ 29.0° / D : 132.0° ~ 48.6  | The exact values shall be governed by the focal lengths of the lens proposed & shall be acceptable accordingly.   |
| 202       | Hanwha Techwin | Clause no 6.1-Supported Protocol | DHCP, HTTP, HTTPS, NTP, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real Time Transport Protocol (SRTP), Bonjour, SNMP, and Secure Shell (SSH). Differentiated service-code-point (DSCP) marking and class-of-service (CoS) marking | SRTP ,DSCP& CoS to be relaxed as it is network feature  | With regard to the supported protocols, bidders are advised to comply with the tender requirement. In case of a specific non-compliance, if the same is functionally met by the system/solution, the same shall be acceptable. However, the onus of meeting such compliance lies on the bidder. |

| Query No. | Bidder Name    | Bid Ref. No.                | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|----------------|-----------------------------|--|---|---|
| 203       | Hanwha Techwin | Clause no 6.1-Certification | WEEE & REACH   | Not industry standard for CCTV .Should have UL, CE,FCC          | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder. |
| 204       | Hanwha Techwin | Clause no 6.2-Lens          | 6mm Fixed  | 4~ 9 mm Motorized VF Lens                                       | Bidders are advised to select a panoramic camera with 3 or more lenses with 5 MP resolution per sensor & bidder selected focal length - meeting the functional specifications of clear identification of number plate & face at a radial distance of 25 meters at a camera height of 4 meter.           |
| 205       | Hanwha Techwin | Clause no 6.2-Field of View | 180° (horizontal) 30°(vertical) and ~182° (diagonal) | 100° (horizontal) 38°(vertical) and ~135° (diagonal) per sensor | The exact values shall be governed by the focal lengths of the lens proposed & shall be acceptable accordingly.   |

| Query No. | Bidder Name    | Bid Ref. No.                        | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting  |
|-----------|----------------|-------------------------------------|--|--|---|
| 206       | Hanwha Techwin | Clause no 6.2-Certification         | The system shall be ROHS, WEEE, ISO - 14001 and REACH compliant  | WEEE and REACH are not cctv industry standard            | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder. |
| 207       | Hanwha Techwin | Clause no 6.2-Supported Protocol    | DHCP, HTTP, HTTPS, NTP, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real Time Transport Protocol (SRTP) Bonjour, SNMP, and Secure Shell (SSH) | SRTP to be relaxed .RTP already present in specification | With regard to the supported protocols, bidders are advised to comply with the tender requirement. In case of a specific non-compliance, if the same is functionally met by the system/solution, the same shall be acceptable. However, the onus of meeting such compliance lies on the bidder.         |
| 208       | Hanwha Techwin | Clause no 6.2-IR illumination       | Should cover radial distance of upto 20m.  | Please delete IR from Panaramic camera                   | Tender terms shall prevail. Bidders can propose external IR (with all the necessary ports/ power supply & wiring) if the camera doesn't support the same.   |
| 209       | Hanwha Techwin | Clause no 6.3-Lens type             | Varifocal minimum 4.3-129mm  | 4.44~142.6 mm ( 32X)                                     | 30X or better zoom is acceptable.   |
| 210       | Hanwha Techwin | Clause no 6.3-operating temperature | -10 to 55° C & 40° C at 95% RH   | RH < 90%   | Tender terms shall prevail.   |

| Query No. | Bidder Name     | Bid Ref. No.   | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting |
|-----------|-----------------|--|---|--|--|
| 211       | Hitachi Systems | 5.2 - Mandatory Technical Requirements                   | 14. The Server shall make continuous recording of all cameras for 30 days at the specified resolution. (Shall be site configurable per camera for lesser days also).        | 14. The Server shall make continuous recording of all cameras for 30 days at the specified resolution on Primary SAN/NAS Storage and Archived to Secondary Network Attached Removable Disk Storage for 90 Days (Shall be site configurable per camera for lesser days also). At As and when required- At specific Request of the Court , The SENSITIVE COURT data should ALSO BE ABLE to be archived in a WORM media & as and when desired in the same system) so that that data is Tamperproof/ Not changeable / trust worthy evidence with high reliability.; Justification/Remarks: The thumb rule to record 30 days data in the surveillance systems primary Storage. Post that these are being archived in removable disk medium and kept for records for around minimum 90 Days. | Tender terms shall prevail.              |
| 212       | Hitachi Systems | 6.16. VMS/ IVA Software (Storage)                        | Multi-level storage: should support multi level storage (live recording on primary disk, archiving on secondary, and so on) should delete video after configurable duration | Multi-level storage: should support multi level storage (live recording on primary disk for 30 Days, archiving on secondary network attached removable disk for 60/90 Days, and so on) should delete video after configurable duration; Justification/Remarks: The thumb rule to record 30 days data in the surveillance systems primary Storage. Post that these are being archived in removable disk medium and kept for records for around minimum 60/90 Days.  | Tender terms shall prevail.              |
| 213       | Hitachi Systems | 5. SECTION V - Scope of Work 5.1.1 Functional Objectives | 6. Playback/ export of archived video for the selected cameras & selected time period export only with permission from audit trails shall be available in software          | 6. Playback/ export of archived video for the selected cameras & selected time period export only to Removable Disk of Archive Storage for Camera with permission from audit trails shall be available in software; Justification/Remarks: Export of Archived Video should be performed to a Shock Proof Removable Disk Durable Medium with a Higher Reliability and Shelf Life of 10 Years  | Tender terms shall prevail.              |
| 214       | Hitachi Systems | 5.2 - Mandatory Technical Requirements                   | The Bidders need to propose the solution with the components, which are suitable for the weather conditions in Madhya Pradesh.  | The Bidders need to propose the solution with the components, which are suitable for the weather conditions in Madhya Pradesh. For Data Transportation within the Courts for Evidence View, durable and Rugged Removable Disk Medium should be used; Justification/Remarks: Removable Disk Medium is highly suited with Shock and Drop Protection and with a Shelf Life of Greater than 10 Years.  | Tender terms shall prevail.              |

| Query No. | Bidder Name     | Bid Ref. No. | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting |
|-----------|-----------------|--------------|--|--|--|
| 215       | Hitachi Systems | -            | Additional General Query   | Request to Add: The Bidder needs to propose a Surveillance Solution with 30 Days Surveillance Data on Primary NAS/SAN and 90 Days of Archival Data on Network Attached Removable Disk System; Justification/Remarks: A Tiered Storage Architecture will be a effective Solution both Cost and Technology wise.                                 | Tender terms shall prevail.              |
| 216       | Hitachi Systems | -            | Additional General Query   | Request to Add: The Bidder needs to ensure the durability of the Archival Removable Disk Medium should have media Archival Life of greater than 10 Years considering critical Evidence Data residing on it with Removable in Nature for Export and View. ; Justification/Remarks: Best Solution for Legal Entities on Archival Data Protection | Tender terms shall prevail.              |
| 217       | Hitachi Systems | -            | Implementation of IVSS in 50 courts in 13 Districts Under Jabalpur HC Zone | Request to Add to BOQ: iSCSI network-attached removable disk arrayie the bidder must provide and integrate iSCSI network-attached removable disk array with the capacity in accordance with the SAN Storage ; Justification/Remarks: For Secondary Tier Archival of Surveillance Data.   | Tender terms shall prevail.              |
| 218       | Hitachi Systems | -            | Implementation of IVSS in 50 courts in 13 Districts Under Jabalpur HC Zone | Request to Add to BOQ: USB Attached Removable Disk Medium as a Line Item; Justification/Remarks: For Data Export and Exchange between Locations  | Tender terms shall prevail.              |
| 219       | Hitachi Systems | -            | Implementation of IVSS in 71 Courts Under Indore HC Zone                   | Request to Add to BOQ: iSCSI network-attached removable disk arrayie the bidder must provide and integrate iSCSI network-attached removable disk array with the capacity in accordance with the SAN Storage ; Justification/Remarks: For Secondary Tier Archival of Surveillance Data  | Tender terms shall prevail.              |
| 220       | Hitachi Systems | -            | Implementation of IVSS in 71 Courts Under Indore HC Zone                   | Request to Add to BOQ: USB Attached Removable Disk Medium as a Line Item; Justification/Remarks: For Data Export and Exchange between Locations  | Tender terms shall prevail.              |
| 221       | Hitachi Systems | -            | Implementation of IVSS in 80 Courts Under Gwalior HC Zone                  | Request to Add to BOQ: iSCSI network-attached removable disk arrayie the bidder must provide and integrate iSCSI network-attached removable disk array with the capacity in accordance with the SAN Storage ; Justification/Remarks: For Secondary Tier Archival of Surveillance Data  | Tender terms shall prevail.              |

| Query No. | Bidder Name     | Bid Ref. No.                            | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|-----------------|---|---|---|---|
| 222       | Hitachi Systems | -                                       | Implementation of IVSS in 80 Courts Under Gwalior HC Zone   | Request to Add to BOQ: USB Attached Removable Disk Medium as a Line Item; Justification/Remarks: For Data Export and Exchange between Locations | Tender terms shall prevail.   |
| 223       | Hitachi Systems | 6.40. Network/Element Management System | The NMS shall be hardened 64bit OS delivered as Virtual Appliance or Physical Appliance by OEM  | Appliance is a Proprietary term for specifics OEM. Please reframe it as OS should be delivered as Software or Virtual/Physical appliance.       | Tender terms shall prevail.   |
| 224       | Hitachi Systems | 6.40. Network/Element Management System | The NMS Virtual Appliance/Physical Appliance shall come with an initial license to manage all supplied switches in 201 courts   | Appliance is a Proprietary term for specifics OEM. Please reframe it as OS should be delivered as Software or Virtual/Physical appliance.       | Tender terms shall prevail.   |
| 225       | Hitachi Systems | 6.40. Network/Element Management System | Shall integration with NAC solution supplied for providing granular control over users and applications, and featuring a high-level dashboard view of the complete security posture on a single glass of pane | Need complete clarity on this EMS compliance  | Network Access Control (NAC) solution helps defining policies for controlling network devices and user access to their networks. The EMS shall be able to integrate with NAC solution for a seamless experience to the users for accessing & controlling the network devices & also offer a high-level dashboard view showing all the elements on the network on a single screen. |
| 226       | Hitachi Systems | 6.40. Network/Element Management System | Shall Transform complex network data into business-centric, actionable information and easily integrate with business apps with Software Defined Networking   | Need complete clarity on this EMS compliance  | EMS shall be able to sit on top of all the sub-systems/apps, converting their complex data into user-understandable information.  |

| <b>Query No.</b> | <b>Bidder Name</b> | <b>Bid Ref. No.</b>                     | <b>Bid Condition</b>   | <b>Query</b>  | <b>MPHC Response / Reply of pre-bid meeting</b>   |
|------------------|--------------------|---|--|---|---|
| 227              | Hitachi Systems    | 6.40. Network/Element Management System | The NMS shall have be hardened 64bit OS delivered as Virtual Appliance or physical appliance by OEM. | Appliance is a Proprietary term for specifics OEM. Please reframe it as OS should be delivered as Software or Virtual/Physical appliance. | Tender terms shall prevail.   |
| 228              | Hitachi Systems    | -                                       | Additional General Query   | Is there any existing help desk solution you are using or do we have to factor it for ticketing purpose                                   | There is no existing help desk solution at MPHC. However, bidders can propose their existing help desks with necessary ticketing system, if available/ in practice. |
| 229              | Hitachi Systems    | -                                       | Additional General Query   | Is there any scope for servers (physical/Virtual) monitoring?   | The EMS shall be able to manage & monitor all the equipment & edge devices, & not just the networking devices, on a network.  |

| Query No. | Bidder Name     | Bid Ref. No.  | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting |
|-----------|-----------------|---|--|---|--|
| 230       | Hitachi Systems | 2.15 ELIGIBILITY/PRE-QUALIFICATION CRITERIA ( Point 4 ) | The bidder shall have experience in successfully implementing at least One (1) completed similar work of the value of at least Rs. 100.8crores OR Two (2) completed similar works of at least Rs. 63crore each OR Three (3) completed similar works of at least Rs. 50.4 crores each "Similar work" is defined as the supply, installation and commissioning of an Integrated Video Surveillance System or Wide Area Networking System, carried out within seven years from the last day of the month previous to the one in which tender is invited, through a single work order. | We request you to kindly amend this clause as: The Lead bidder/Consortium shall have experience in successfully implementing at least One (1) completed similar work of the value of at least Rs. 80 crores OR Two (2) completed similar works of at least Rs. 40 crore each OR Three (3) completed similar works of at least Rs. 30 crores each "Similar work" is defined as the supply, installation and commissioning of an Integrated Video Surveillance System/ Wide Area Networking System/Server/Storage/Networking Components carried out within seven years from the last day of the month previous to the one in which tender is invited, through a single work order. and Also requested to allow the consortium to meet the aforesaid requirements. | Tender terms shall prevail.              |
| 231       | Hitachi Systems | 2.15 ELIGIBILITY/PRE-QUALIFICATION CRITERIA ( Point 5 ) | The bidder should have experience of executing at least one (1) project for the implementation of Video Surveillance System of value more than Rs. 50.4 Crore during the last 3 years from the date of publication of the tender.  | We request you to kindly amend this clause as: The Lead bidder/Consortium should have experience of executing at least one (1) project for the implementation of Video Surveillance System/ Servers/Storage/ Networking Components of value more than Rs. 30 Crore during the last 3 years from the date of publication of the tender.  | Tender terms shall prevail.              |

| Query No. | Bidder Name     | Bid Ref. No.                           | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting  |
|-----------|-----------------|--|---|--|---|
| 232       | Hitachi Systems | HC Command & Control Center (Jabalpur) | Civil & Interior Work with Painting & other site development works etc.   | As per RFP part-II, in Implementation Stage I, sr.no 27. Ask for civil & interior work, but details for the same are not provided in RFP. Kindly clarify the actual scope for Civil & Interior work as part of this Project.                     | Section 6.41 & 6.42 mentions the specifications for CR infrastructure, including civil & interior works   |
| 233       | Hitachi Systems | 6.17. UPS (Required Capacity)          | 6.17. UPS (Required Capacity)   | RFP ask for Deployment of UPS System with Required Capacity, But the below details are not Mentioned?<br>1. what will be UPS sizing?<br>2.what will be deployment architecture such as N+1, N+N etc.<br><br>Kindly clarify the aforesaid Points. | UPS Sizing shall be done by bidder for all locations for all electronics included in the Control Room & field switches with 30% spare capacity & distributions & with 4 hours back-up. The sizing rationale shall be provided in the technical bid. The UPS shall be provided with minimum 10 KVA rating with 3-Ph Input & Output. The batteries shall be gel type maintenance free valve regulated maintenance free.<br>For CCC, Jabalpur UPS, the requirement is of modular UPS in N+1 Configuration. |
| 234       | Hitachi Systems | Additional Query                       | Additional Query on BMS - Building management system  | BMS details are not mentioned in RFP, Kindly clarify whether BMS system will be provided as part of this project or not? Kindly clarify.   | MPHC is not seeking any BMS solution through this tender.   |
| 235       | Idemia          | 5.1.2.9                                | The ACS shall use biometric (fingerprint) authentication technique employing optical sensors for 1:N biometric data matching with templates stored on the controller. | We consider this is a type error. We request department to correct it as The ACS shall use biometric (fingerprint) authentication technique employing optical sensors for 1:N biometric data matching with templates stored in the reader.       | The biometric template shall reside on the access card for 1:1 authentication.  |

| Query No. | Bidder Name | Bid Ref. No. | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting   |
|-----------|-------------|--------------|---|---|--|
| 236       | Idemia      |              | Technology- iClass or Desfire or equivalent   | we request to department please specify the card technologies.  | Bidders can propose the latest variants of iClass or MifareDesfire technology for cards  |
| 237       | Idemia      | 6.23         | Security- 64 bit or AES crypto authentication keys. The data flow between card & Reader should be encrypted |   | Tender terms shall prevail.  |
| 238       | Idemia      | 6.23         | Certifications- UL/CE   | Reader should have Minimum UL 294/294-B & CE certification  | Tender terms shall prevail.  |
| 239       | Idemia      | 6.23         | Fingerprint sensor- Minimum 500 dpi   | We request department to specify Optical 500 DPI biometric sensor and add important certificates like FBI PIV IQS certified optical fingerprint sensor. We also request department to specify the algorithms used in biometric reader to be Minex, Nist certified.                    | Optical Sensor shall be considered.  |
| 240       | Idemia      | 6.23         |   | Biometric Reader shall be of ruggedized design, having weatherized polycarbonate enclosure or similar protection to withstand harsh environments for both indoor/outdoor used and provides a high degree of vandal resistance. The Biometric Reader should be Minimum IP 65 compliant | Tender terms shall prevail.  |
| 241       | Idemia      | 6.23         |   | Anti-fraud features- biometric reader shall be with anti fraud feature like Fake finger detection, duress, timed anti-pass back, De-duplication feature based on finger print, White listing & Black listing of users, Anti-temper and IK08   | Access Control Systems are installed for securing the core assets & as such, should be inherently secured. The system should not allow access using fake finger or image or impression of any kind & should be intelligent enough to detect a live or fake finger. |
| 242       | Idemia      |              | General point   | We request department to consider biometric reader who manufacture their own sensor and have their own algorithm  | Tender terms shall prevail.  |
| 243       | Idemia      |              |   | We request department to have to specifically ask the presence of Biometric reader manufacturer offices in India  | Tender terms shall prevail.  |
| 244       | Idemia      |              |   | we request department to consider biometric reader should have Network/Communication: Ethernet, RS485, USB - Wi-Fi option, IPV6,OSDP  | Tender terms shall prevail.  |

| Query No. | Bidder Name | Bid Ref. No.   | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|--|---|--|---|
| 245       | Idemia      |  |   | We request department to request latest general LCD Color display as Mono Chrom displays are out dated. We request department to specify LCD Touch screen of screen size 2.5 inches  | Tender terms shall prevail.   |
| 246       | Infinova    | Page 43 and page 46 of 106   Tender for Integrated Video Surveillance System for MPHC   Part 1: 6.1 Outdoor Fixed Camera and 6.4 Indoor Fixed Camera | Sensor=1/2.7" or better; Lens 3.6 to 9 mm; Field of View:38°~22° (horizontal) ~53° (vertical) 43°~108° (diagonal) | For Different OEM's this is different, and the value is make specific and should be removed from the scope as the field of view is dependent on the lens, so if you have specified lens value of 3.6-9mm which is again non standard should be changed to 2.8-12mm minimum corresponding field of view to be specified by bidder for the quoted product.; Suggested change the Sensor to 1/2", Lens to 2.8-12mm, and FoV to be specified by the Bidder | The tender specifies non-uniform sensor sizes for different types of cameras. The same is being standardised as "Sensor size of 1/3" or better" without affecting the specified light sensitivity. <b>The lens shall be 3 - 9 mm or better.</b>   |
| 247       | Infinova    | Page 43 and page 46 of 106   Tender for Integrated Video Surveillance System for MPHC   Part 1: 6.1 Outdoor Fixed Camera and 6.4 Indoor Fixed Camera | WEEE and REACH Compliance   | WEEE is a European Directive and only required In EU region and should be removed from the scope, in India its RoHS only; Suggested change to remove WEEE and REACH  | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder. |

| Query No. | Bidder Name | Bid Ref. No.   | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|--|---|---|---|
| 248       | Infinova    | Page 43 and page 46 of 106   Tender for Integrated Video Surveillance System for MPHC   Part 1: 6.1 Outdoor Fixed Camera and 6.4 Indoor Fixed Camera | SRTP, Bonjour, DSCP & COS marking   | What is the purpose and use of these protocols, it is not required to be used and is one particular make specific thereby making this is a biased tender for single make; Kindly remove SRTP, Bonjour, DSCP and COS. Instead of COS it should be QOS, which is quality of service that can be included. | With regard to the supported protocols, bidders are advised to comply with the tender requirement. In case of a specific non-compliance, if the same is functionally met by the system/solution, the same shall be acceptable. However, the onus of meeting such compliance lies on the bidder. |
| 249       | Infinova    | Page 45 of 106   Tender for Integrated Video Surveillance System for MPHC   Part 1: 6.3 Outdoor PTZ Camera   | 0 to 15 deg above horizontal to 90 deg down   | This is very limited brand specific, and general specs is to have 180 degree with Auto Flip; Kindly consider 0 to -90 to -180 or Auto Flip with 180 degree  | Tender terms shall prevail.   |
| 250       | Infinova    | Page 13 of 106   Tender for Integrated Video Surveillance System for MPHC   Part 1: 2.16.2 C4i& VMS OEM Point no. 2                                  | The Security Management System OEM should have installed the solution in at least one multi-site (at least 200 state or nation-wide locations) integrated project in India. | We understand that VMS software OEM should have atleast 200 deployments of VMS and an undertaking from OEM will be sufficient for this. OR VMS OEM should have ahow many deployments of 200 VMS Channel Licenses?; Please clarify the statement   | Security Management System shall mean the C4i/PSIM software.  |

| Query No. | Bidder Name | Bid Ref. No.   | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting   |
|-----------|-------------|--|--|--|--|
| 251       | Infinova    | <p>BID DOCUMENT – Page 44 of 106   Tender for Integrated Video Surveillance System for MPHC   Part 1</p> | <p>Minimum 5-megapixel progressive scan HD CMOS (Per Lens); Should have minimum 4 lenses/sensors .</p> | <p>This 20 MP specification is specific to a vendor. Multisensors provide tampered stitched image and hence can't be used in case of any video usage. In modern technology, single 5/ 12 MP lenses along with sensors are available with much higher sensor size thus providing better low light performance. Hence, we suggest to allow multisensor or better single lens products.; Kindly allow 12 MP single lens camera as well in the tender.</p> | <p>With a lower focal length, the pixels per meter required for object/Number Plate/ face identification will not be sufficient. However, bidders are advised to select a panoramic camera with <b>3 or more lenses with 5 MP resolution</b> per sensor &amp; bidder selected focal length - meeting the functional specifications of clear identification of number plate &amp; face at a radial distance of 25 meters at a camera height of 4 meter.</p> <p>The rationale for using panoramic cameras is a) no blind spots b) 180 Deg Coverage, including identification at a radial distance of minimum 25 meters c) Lesser VMS licenses resulting in a saving of minimum Rs. 21,000/- per camera d) Lesser Ethernet Ports resulting in a saving of Rs. 48,000/-.</p> <p>Image stitching or tampering with the original video in any form (e.g. dewarping) shall not be acceptable in recording as the same is not admissible as an evidence in courts of law. Multi-sensor cameras meeting the above-mentioned requirements shall only be acceptable, please note.</p> |

| Query No. | Bidder Name | Bid Ref. No.  | Bid Condition                            | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|---|--|---|---|
| 252       | Infinova    | BID DOCUMENT – Page 44 of 106   Tender for Integrated Video Surveillance System for MPHC   Part 1 | Fixed 6 mm, DC-Iris                      | This is specific to a vendor. For a true panoramic image, lens size has to be less than 2mm. ; Kindly allow us to bid with 1.6mm lens.  | With a lower focal length, the pixels per meter required for object/Number Plate/ face identification will not be sufficient. However, bidders are advised to select a panoramic camera with 3 or more lenses with 5 MP resolution & bidder selected focal length - meeting the functional specifications of clear identification of number plate & face at a radial distance of 25 meters at a camera height of 4 meter. |
| 253       | Infinova    | BID DOCUMENT – Page 44 of 106   Tender for Integrated Video Surveillance System for MPHC   Part 1 | 30FPS at full Resolution                 | 30 fps at 20 MP resolution is not the best designed specifications from bandwidth and storage perspective. Hence we suggest to have 30 fps @ 1080p resolution and 12 fps at full resolution. ; Kindly allow us to quote with 12fps @ full resolution and 30fps@1080p resolution   | The recording parameter for Panoramic Camera shall be Full HD at 15 FPS per sensor while that for monitoring shall be 5 MP at 25 FPS per sensor.  |
| 254       | Infinova    | BID DOCUMENT – Page 44 of 106   Tender for Integrated Video Surveillance System for MPHC   Part 1 | Should cover radial distance of upto 20m | In Panaromiccameras integrated IR does not work properly because panaromic cameras cover very wider area of upto 70 meters while internal IRs work upto 20 meters in single direction. Hence the better solution is low light cameras with external IR. ; Kindly allow us the external IR or low light performance 0.1 lux @50IRE | Tender terms shall prevail. Bidders can propose external IR (with all the necessary ports/ power supply & wiring) if the camera doesn't support the same.   |

| Query No. | Bidder Name | Bid Ref. No.   | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting   |
|-----------|-------------|--|---|---|--|
| 255       | Infinova    | Page 48 of 106   Tender for Integrated Video Surveillance System for MPHC   Part 1 | Minimum 5-megapixel progressive scan HD CMOS (Per Lens); Should have minimum 4 lenses/sensors . | This 20 MP specification is specific to a vendor. Multisensors provide tampered stitched image and hence cant be used in case of any video usage. In modern technology, single 5/ 12 MP lenses along with sensors are available with much higher sensor size thus providing better low light performance. Hence we suggest to allow multisensor or better single lens products.; Kindly allow 12 MP single lens camera as well in the tender. | <p>Tender terms shall prevail. The rationale for using panoramic cameras is a) no blind spots b) 180 Deg Coverage, including identification at a radial distance of minimum 25 meters c) Lesser VMS licenses d) Lesser Ethernet Ports resulting in further saving.</p> <p>Image stitching or tampering with the original video in any form (e.g. dewarping) shall not be acceptable in recording as the same is not admissible as an evidence in courts of law. Multi-sensor cameras meeting the above-mentioned requirements shall only be acceptable, please note.</p> |

| Query No. | Bidder Name | Bid Ref. No.   | Bid Condition                             | Query  | MPHC Response / Reply of pre-bid meeting   |
|-----------|-------------|--|---|--|--|
| 256       | Infinova    | Page 48 of 106   Tender for Integrated Video Surveillance System for MPHC   Part 1 | Fixed 6 mm, DC-Iris                       | This is specific to a vendor. For a true panoramic image, lens size has to be less than 2mm. ; Kindly allow us to bid with 1.6mm lens.   | With a lower focal length, the pixels per meter required for object/Number Plate/ face identification will not be sufficient. However, bidders are advised to select a panoramic camera with 3 or more lenses with 5 MP resolution per sensor & bidder selected focal length - meeting the functional specifications of clear identification of number plate & face at a radial distance of 25 meters at a camera height of 4 meter. |
| 257       | Infinova    | Page 48 of 106   Tender for Integrated Video Surveillance System for MPHC   Part 1 | 30FPS at full Resolution                  | 30 fps at 20 MP resolution is not the best designed specifications from bandwidth and storage perspective. Hence we suggest to have 30 fps @ 1080p resolution and 12 fps at full resolution. ; Kindly allow us to quote with 12fps @ full resolution and 30fps@1080p resolution  | The recording parameter for Panoramic Camera shall be Full HD at 15 FPS per sensor while that for monitoring shall be 5 MP at 25 FPS per sensor.   |
| 258       | Infinova    | Page 48 of 106   Tender for Integrated Video Surveillance System for MPHC   Part 1 | Should cover radial distance of upto 20m. | In Panoramic cameras integrated IR does not work properly because panoramic cameras cover very wider area of upto 70 meters while internal IRs work upto 20 meters in single direction. Hence the better solution is low light cameras with external IR. ; Kindly allow us the external IR or low light performance 0.1 lux @50IRE | Tender terms shall prevail. Bidders can propose external IR (with all the necessary ports/ power supply & wiring) if the camera doesn't support the same.  |

| Query No. | Bidder Name   | Bid Ref. No.                                      | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting |
|-----------|---------------|---|---|--|--|
| 259       | Krystal Group | 2.15. ELIGIBILITY/ PRE-QUALIFICATION CRITERIA - 4 | “Similar work” is defined as the supply, installation and commissioning of an Integrated Video Surveillance System or Wide Area Networking System, carried out within seven years from the last day of the month previous to the one in which tender is invited, through a single work order. | “Similar work” is defined as the IT Related Components/ ICT Projects / supply, installation and commissioning of an Integrated Video Surveillance System/Wide Area Networking System, carried out within seven years from the last day of the month previous to the one in which tender is invited, through a single work order.                             | Tender terms shall prevail.              |
| 260       | Krystal Group | 2.15. ELIGIBILITY/ PRE-QUALIFICATION CRITERIA - 4 | One (1) completed similar work of the value of at least Rs. 100.8crores<br><br><b>OR</b><br><br>Two (2) completed similar works of at least Rs. 63 crore each<br><br><b>OR</b><br><br>Three (3) completed similar works of at least Rs. 50.4 crores each                                      | The bidder should have an experience of successfully executed project in various locations in last 7 years :<br><br>One (1) Work order of similar work with at least 200 locations<br><b>Or</b><br>Two (2) Work order of similar work with at least 150 locations each<br><b>Or</b><br>Three (3) Work order of similar work with at least 100 locations each | Tender terms shall prevail.              |
| 261       | Krystal Group | 2.15. ELIGIBILITY/ PRE-QUALIFICATION CRITERIA - 5 | The bidder should have experience of executing at least one (1) project for the implementation of Video Surveillance System of value more than Rs. 50.4 Crore during the last 3 years from the date of publication of the tender.   | The Bidder should have an experience of at least One (1) wide area compass Surveillance / City surveillance with IP Video Surveillance projects within last 5 years in India   | Tender terms shall prevail.              |

| <b>Query No.</b> | <b>Bidder Name</b> | <b>Bid Ref. No.</b>        | <b>Bid Condition</b>  | <b>Query</b>  | <b>MPHC Response / Reply of pre-bid meeting</b>  |
|------------------|--------------------|----------------------------|---|---|--|
| 262              | Krystal Group      | 3.2. PERFORMANCE GUARANTEE | The Successful Bidder will be required to furnish performance guarantee in the form of unconditional Bank Guarantee issued by a Nationalized / Scheduled Bank in India of amount equivalent to 5% of the Capital Value valid for a period of 84months within 15 days from the date of contract. | The Successful Bidder will be required to furnish performance guarantee in the form of unconditional Bank Guarantee issued by a Nationalized / Scheduled Bank in India of amount equivalent to 5% of the Capital Value valid for a period of 36months within 15 days from the date of contract. | The clause shall be read as "The Successful Bidder will be required to furnish performance guarantee in the form of unconditional Bank Guarantee issued by a Nationalized / Scheduled Bank in India of amount equivalent to 5% of the Capital Value valid for a period of 36 months within 15 days from the date of contract." |

| Query No. | Bidder Name   | Bid Ref. No.       | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting |
|-----------|---------------|--------------------|--|--|--|
| 263       | Krystal Group | 3.5. PAYMENT TERMS | <p>For the supply, installation, commissioning, testing, training and warranty of items&amp; system as per tender and post-warranty comprehensive Annual Maintenance Contract for 48 months</p> <p>(Note: Payments will be made in Indian Rupees only)</p> <p>a. 60% of total price against delivery of all the equipment at the site.</p> <p>b. 20 % of total price against successful Installation of the system.</p> <p>c. 20% against successful commissioning &amp; UAT</p> <p>For CAMC - Quarterly prorata payment of finalized CAMC amount will be made after successful completion of period of respective post warranty CAMC.</p> | <p>For the supply, installation, commissioning, testing, training and warranty of items&amp; system as per tender and post-warranty comprehensive Annual Maintenance Contract for 48 months</p> <p>(Note: Payments will be made in Indian Rupees only)</p> <p>a. 80% of total price against delivery of all the equipment at the site.</p> <p>b. 10 % of total price against successful Installation of the system.</p> <p>c. 10% against successful commissioning &amp; UAT</p> | Tender terms shall prevail.              |

| Query No. | Bidder Name   | Bid Ref. No.            | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting   |
|-----------|---------------|-------------------------|---|--|--|
| 264       | Krystal Group | 3.9. LIQUIDATED DAMAGES | If the Bidder fails to deliver any or all of the equipment or to perform the services within the time period(s) specified in tender, the Registrar General, High Court of Madhya Pradesh shall without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to the 1% of the contract price for every week (seven days) or part thereof of delay, up to maximum deduction of 10% of the contract price. Once the maximum is reached, the Registrar General, High Court of Madhya Pradesh may consider termination of the contract. | If the Bidder fails to deliver any or all of the equipment or to perform the services within the time period(s) specified in tender, the Registrar General, High Court of Madhya Pradesh shall without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to the 0.5% of the contract price for every week (seven days) or part thereof of delay, up to maximum deduction of 5% of the contract price. Once the maximum is reached, the Registrar General, High Court of Madhya Pradesh may consider termination of the contract. | The clause shall be read as " If the Bidder fails to deliver any or all of the equipment or to perform the services within the time period(s) specified in tender, the Registrar General, High Court of Madhya Pradesh shall without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to the 1% of the contract price for every week (seven days) or part thereof of delay, up to maximum deduction of 5% of the contract price. Once the maximum is reached, the Registrar General, High Court of Madhya Pradesh may consider termination of the contract. |

| Query No. | Bidder Name | Bid Ref. No.     | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|------------------|---|--|---|
| 265       | L&T ECC     | RFP Page No.: 19 | Any delay by the Successful Bidder in the delivery of Products/ equipment and/or the services will make the Successful Bidder liable to any or all of the following:<br>a. Forfeiture of Performance Bank Guarantee<br>b. Imposition of Liquidated Damage charges<br>c. Termination of the contract for default<br>d. Blacklisting of the Successful Bidder | We request you to change the clause as following:<br>Any delay by the Successful Bidder in the delivery of Products/ equipment and/or the services will make the Successful Bidder liable to any or all of the following:<br>a. Forfeiture of Performance Bank Guarantee<br>b. Imposition of Liquidated Damage charges<br>c. Termination of the contract for default | Please refer to Point No. 18 of General Instructions/ Clarifications Section hereinabove.   |
| 266       | L&T ECC     | RFP Page No.: 18 | In case of any deviation from the schedule, the Purchaser reserves the right to either cancel the Contract and/or recover Liquidated Damage charges.  | We request you to change the clause as following:<br>In case of any deviation from the schedule, the Purchaser reserves the right to either cancel the Contract and/or recover Liquidated Damage charges on undelivered portion.   | Tender terms shall prevail.   |
| 267       | L&T ECC     | RFP Page No.: 18 | 60% of total price against delivery of all the equipment at the site.   | Request you to kindly confirm that the payment against delivery shall be made on pro rata basis for delivery of equipment at the respective site   | Payment against delivery shall be made on pro-rata basis for delivery of equipment on site. |
| 268       | L&T ECC     | RFP Page No.: 18 | 20 % of total price against successful Installation of the system.  | Request you to kindly confirm that the payment against installation shall be made on pro rata basis for successful commissioning of the system at the respective site  | Payment against delivery shall be made on pro-rata basis.                                   |
| 269       | L&T ECC     | RFP Page No.: 18 | 20% against successful commissioning & UAT  | Request you to kindly confirm that the payment against installation shall be made on pro rata basis for successful commissioning of the system at the respective site  | Payment against delivery shall be made on pro-rata basis.                                   |

| Query No. | Bidder Name | Bid Ref. No.     | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting   |
|-----------|-------------|------------------|--|---|--|
| 270       | L&T ECC     | RFP Page No.: 19 | If the Bidder fails to deliver any or all of the equipment or to perform the services within the time period(s) specified in tender, the Registrar General, High Court of Madhya Pradesh shall without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to the 1% of the contract price for every week (seven days) or part thereof of delay, up to maximum deduction of 10% of the contract price. | If the Bidder fails to deliver any or all of the equipment or to perform the services within the time period(s) specified in tender, the Registrar General, High Court of Madhya Pradesh shall without prejudice to its other remedies under the contract, deduct from the contract price of undelivered portion, as liquidated damages, a sum equivalent to the 1% of the contract price for every week (seven days) or part thereof of delay, up to maximum deduction of 10% of the contract price. | The clause shall be read as " If the Bidder fails to deliver any or all of the equipment or to perform the services within the time period(s) specified in tender, the Registrar General, High Court of Madhya Pradesh shall without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to the 1% of the contract price for every week (seven days) or part thereof of delay, up to maximum deduction of 5% of the contract price. Once the maximum is reached, the Registrar General, High Court of Madhya Pradesh may consider termination of the contract. |
| 271       | L&T ECC     | Page 33          | All proposed cameras should be from single OEM   | We request you to consider cameras from multiple OEMs for different type of cameras   | The panoramic cameras can be proposed from a different OEM. The other category/class camera type from single OEM.  |

| Query No. | Bidder Name | Bid Ref. No.         | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting   |
|-----------|-------------|----------------------|---|--|--|
| 272       | L&T ECC     | General              | Additional proposed clause to payment terms : Assignment Clause | Request you to add additional Clause which shall enable the bidders early realization of payment:<br>"The rights and obligations under the Contract are personal to MSI and shall not be assigned by it, to any third party, without the express prior written authorization of the Authority, except that MSI may assign due and payable to it under the Contract to any Bank/Financial Institution. The property of customer cannot be mortgage by MSI in any of the case" | Tender terms shall prevail.  |
| 273       | L&T ECC     | RI ( Re-Instatement) | RI ( Re-Instatement)  | We understand that RI (Re-Instatement) charges shall be in the scope of Client. Kindly confirm   | Reinstatement charges shall be in bidder's scope.  |
| 274       | L&T ECC     | ROW( Right Of Way)   | ROW( Right Of Way)  | We understand that ROW (Right of Way) charges shall be in the scope of Client. Kindly confirm  | ROW charges, if any, shall be in MPHC scope.   |
| 275       | L&T ECC     | General              | General   | We understand that Storage for the materials shall be arranged by the customer. Kindly confirm   | MPHC shall provide storage space for the equipment. The responsibility of its safe-keeping shall be of the SI.             |
| 276       | L&T ECC     | General              | General   | We understand that,<br>1).One time connection Charges for Electricity shall be in client scope<br>2). At Site Electricity will be arranged by Client. Kindly confirm   | 1).One time connection Charges for Electricity shall be in MPHC scope<br>2). At Site Electricity will be arranged by MPHC. |
| 277       | L&T ECC     | General              | General   | We understand that, Electricity recurring charges shall be borne by Client, as it is transaction between two government entities. Kindly confirm   | Electricity recurring charges shall be borne by MPHC.  |
| 278       | L&T ECC     | General              | General   | We understand that any Statutory variation in the taxes shall be in the account of Customer, kindly confirm  | All such variations shall be in bidder's scope.  |
| 279       | L&T ECC     | General              | General   | We understand that Quantity variation shall not be more than $\pm 10\%$ , Kindly Confirm   | MPHC reserves the right to make changes in the quantity or to defer procurement, please note.                              |

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| 280       | L&T ECC     | General                  | General   | Request you to limit the limitation of liability upto 50% of contract value.   | The successful bidder (its partners, directors, staff, agents and associates) shall not be liable for any losses, damages, costs or expenses arising out of this engagement save in so far as they are and have been determined to have been directly and wholly caused by default of the successful bidder and in such circumstances the aggregate liability of the successful bidder shall be limited to an amount not more than the total fees actually payable by the principal for this engagement, but how ever there shall be no such limitation in case of misconduct or negligence of the Successful Bidder. |
| 281       | L&T ECC     | RFP Page No.: Page No.10 | 2.5. APPLICATION FEE (AF) AND EARNEST MONEY DEPOSIT (EMD) | please share the EMD validity period   | EMD validity shall be six months from the date of closing of the tender.  |
| 282       | L&T ECC     | Bandwidth                | Bandwidth   | We request you to provide Tri-party agreement format Also request you to confirm Bandwidth charges shall be directly paid by customer to ISP quarterly. However bidder shall provide all required support and shall be liable for any concern arises as per agreement. | Inter-court Connectivity is not in the SI scope.  |

| Query No. | Bidder Name | Bid Ref. No.                                   | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting   |
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| 283       | L&T ECC     | RFP Page No.: Page No.7                        | 1. SECTION I – Notice Inviting Tender 4 Bidders can submit its tender online at www.mptenders.gov.in on or before the key dates given above. The Physical copy of the Technical Bid along with original EMD should also be submitted at the address below latest by 5th March 2019at 3:00 P.M. | We request you to kindly extend the submission of hard copy of Technical bid along with original EMD at least 3 days from the date of online submission       | Please see the corrigenda published in this regard.  |
| 284       | L&T ECC     | General  | General  | We understand that evaluation of commercial bid with inclusive of all taxes   | Yes. The evaluation shall be on amount including all taxes.  |
| 285       | Lookman     | 6.1. Outdoor Fixed Camera-Image sensor         | 1/2.7" progressive scan HD CMOS  | We kindly request you accept the image sensor as 1/2.8",progressivescan,CMOS - to accommodate more OEMs and increase competition                              | The tender specifies non-uniform sensor sizes for different types of cameras. The same is being standardised as "Sensor size of 1/3" or better" without affecting the specified light sensitivity. The lens shall be 3 - 9 mm or better. |
| 286       | Lookman     | 6.1. Outdoor Fixed Camera-Audio/Video out port | Camera should allow the connection of an option Y cable or mini cable with BNC connector. Camera should allow to connect a video monitor to the mini cable with BNC connector  | BNC connector not required for IP camera and old technology , We kindly request you to remove this clause - to accommodate more OEMs and increase competition | The functional objective of being able to connect to a video monitor has to be met using either a BNC Connector or using a web browser.  |

| Query No. | Bidder Name | Bid Ref. No.                                 | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting  |
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| 287       | Lookman     | 6.1. Outdoor Fixed Camera-Supported protocol | DHCP, HTTP, HTTPS, NTP, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real Time Transport Protocol (SRTP), Bonjour, SNMP, and Secure Shell (SSH). Differentiated-service-code-point (DSCP) marking and class-of-service (CoS) marking | We kindly request to modify the clause as under : Protocol Support: IPv4, TCP/IP, HTTP, DHCP, DNS, SMTP, RTP, RTSP, SNMP protocols/Should meet all functional requirement of the project - to accommodate more OEMs and increase competition | With regard to the supported protocols, bidders are advised to comply with the tender requirement. In case of a specific non-compliance, if the same is functionally met by the system/solution, the same shall be acceptable. However, the onus of meeting such compliance lies on the bidder.         |
| 288       | Lookman     | 6.1. Outdoor Fixed Camera-Certification      | The system shall be ROHS, WEEE, ISO - 14001 and REACH compliant  | We kindly request to modify the clause as under : CE, FCC, RoHS, UL, ISO-14001, ISO-9001, ISO 27001 - to accommodate more OEMs and increase competition  | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder. |

| Query No. | Bidder Name | Bid Ref. No.                                | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting   |
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| 289       | Lookman     | 6.2. Outdoor Panoramic Camera-Lens          | Fixed 6 mm, DC-Iris   | We kindly request to accept lens to Fixed 6mm /5mm ,Dc iris - to accommodate more OEMs and increase competition  | With a lower focal length, the pixels per meter required for object/Number Plate/ face identification will not be sufficient. However, bidders are advised to select a panoramic camera with 3 or more lenses with 5 MP resolution per sensor & bidder selected focal length - meeting the functional specifications of clear identification of number plate & face at a radial distance of 25 meters at a camera height of 4 meter. |
| 290       | Lookman     | 6.2. Outdoor Panoramic Camera-Certification | The system shall be ROHS, WEEE, ISO - 14001 and REACH compliant | We kindly request to modify the clause as under :CE, FCC, RoHS, UL, ISO-14001, ISO-9001, ISO 27001 - to accommodate more OEMs and increase competition | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder.  |

| Query No. | Bidder Name | Bid Ref. No.                                     | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|--|--|--|---|
| 291       | Lookman     | 6.2. Outdoor Panoramic Camera-Supported protocol | DHCP, HTTP, HTTPS, NTP, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real Time Transport Protocol (SRTP) Bonjour, SNMP, and Secure Shell (SSH) | We kindly request to modify the clause as under : Protocol Support: IPv4, TCP/IP, HTTP, DHCP, DNS, SMTP, RTP, RTSP, SNMP protocols/Should meet all functional requirement of the project - to accommodate more OEMs and increase competition | With regard to the supported protocols, bidders are advised to comply with the tender requirement. In case of a specific non-compliance, if the same is functionally met by the system/solution, the same shall be acceptable. However, the onus of meeting such compliance lies on the bidder.         |
| 292       | Lookman     | 6.4. Indoor Fixed Dome Camera Certification      | The system shall be ROHS, WEEE, ISO - 14001 and REACH compliant  | We kindly request to modify the clause as under : CE, FCC, RoHS, UL, ISO-14001, ISO-9001, ISO 27001 - to accommodate more OEMs and increase competition  | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder. |
| 293       | Lookman     | 6.4. Indoor Fixed Dome Camera Supported protocol | DHCP, HTTP, HTTPS, NTP, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real Time Transport Protocol (SRTP) Bonjour, SNMP, and Secure Shell (SSH) | We kindly request to modify the clause as under : Protocol Support: IPv4, TCP/IP, HTTP, DHCP, DNS, SMTP, RTP, RTSP, SNMP protocols/Should meet all functional requirement of the project - to accommodate more OEMs and increase competition | With regard to the supported protocols, bidders are advised to comply with the tender requirement. In case of a specific non-compliance, if the same is functionally met by the system/solution, the same shall be acceptable. However, the onus of meeting such compliance lies on the bidder.         |

| Query No. | Bidder Name | Bid Ref. No.                               | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting   |
|-----------|-------------|--|---|--|--|
| 294       | Lookman     | 6.5. Indoor Panoramic Camera-Lens          | Fixed 6 mm, DC-Iris   | We kindly request to accept lens to Fixed 6mm /5mm ,Dc iris - to accommodate more OEMs and increase competition  | With a lower focal length, the pixels per meter required for object/Number Plate/ face identification will not be sufficient. However, bidders are advised to select a panoramic camera with 3 or more lenses with 5 MP resolution per sensor & bidder selected focal length - meeting the functional specifications of clear identification of number plate & face at a radial distance of 25 meters at a camera height of 4 meter. |
| 295       | Lookman     | 6.5. Indoor Panoramic Camera-Certification | The system shall be ROHS, WEEE, ISO - 14001 and REACH compliant | We kindly request to modify the clause as under :CE, FCC, RoHS, UL, ISO-14001, ISO-9001, ISO 27001 - to accommodate more OEMs and increase competition | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder.  |

| Query No. | Bidder Name | Bid Ref. No.                                    | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|---|---|---|---|
| 296       | Lookman     | 6.5. Indoor Panoramic Camera-Supported protocol | DHCP, HTTP, HTTPS, NTP, RTP, RTSP, SMTP, SSL/TLS, TCP/IP, Secure Real Time Transport Protocol (SRTP), Bonjour, SNMP, and Secure Shell (SSH)   | We kindly request to modify the clause as under :Protocol Support: IPv4, TCP/IP, HTTP, DHCP, DNS, SMTP, RTP, RTSP, SNMP protocols/Should meet all functional requirement of the project - to accommodate more OEMs and increase competition   | With regard to the supported protocols, bidders are advised to comply with the tender requirement. In case of a specific non-compliance, if the same is functionally met by the system/solution, the same shall be acceptable. However, the onus of meeting such compliance lies on the bidder. |
| 297       | Lookman     | Tender Clause Camera OEM                        | 1. The camera OEM shall have supplied & installed a minimum of 2000 IP cameras in a single project in India since the last three years ending last day of the month previous to the one in which tender is invited. | OEM of surveillance cameras should have supplied atleast 5000 IP Box type C/CS mount cameras in a single qualifying order in India or 10000 such cameras cumulatively, Globally in qualifying orders during the 36 months prior to the month of issuance of the RFP.<br><br>Qualifying orders -<br>a. The order should be for a supply meant entirely for a Project of Smart city / Safe city / Airports / Railways.<br>b. The project must involve central management via servers.<br>c. Sufficient appropriate evidences and undertakings must be given for corroboration | Tender terms shall prevail. Global experience is acceptable.  |
| 298       | Lookman     | Tender Clause Camera OEM                        | Valid ISO Certificate (Please attach copy) of the products  | OEM must have the following certifications:<br>a. ISO 9001<br>b. ISO 27001<br>c. ISO 14001<br>Copies of certificates  | Tender terms shall prevail.   |

| Query No. | Bidder Name | Bid Ref. No.                                | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting |
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| 299       | Lookman     | Additional Points to be added in OEM Clause |  | <p>ANPR Software is not specified in RFP, we request you to kindly add the ANPR Software specification, Suggested ANPR Software specification specified in Annexure 1</p> <p>A) The software OEM should have a proven track record of supplying minimum 2000 licenses in single order of ANPR in India in last 3 years. The copy of purchase order/invoice/other relevant document should be submitted along with technical bid.</p> <p>Copies of Purchase orders, Invoices, Tender documents, LOI from end user (Documents may be reasonably redacted for values incase of the presence of a Non Disclosure Agreement in case of supplies made to defense sectors)</p> | Tender Terms shall prevail.              |
| 300       | Lookman     | Additional Points to be added in OEM Clause |  | <p>OEMs of proposed equipment/components should have an office as a registered company in India for last five years as on the bid issuance date.</p> <p>Registered offices by way of Joint ventures, Franchise, agency, distribution partners will not be considered. In case of the company having a foreign parent / holding company, The company shall be a wholly owned subsidiary.</p> <p>Documentary Proof from OEM in the form of certificate of incorporation as per the companies act and other related documents to comply with specified criteria.</p>   | Tender terms shall prevail.              |
| 301       | Lookman     | Tender Clause for bidder PQ                 | The average annual turnover of the firm should be at least Rs. 126 Crore during the last three consecutive financial years. (i.e. 2017-2018, 2016-2017, 2015-2016) | The average annual turnover of the firm should be at least Rs. 39 Crore during the last three consecutive financial years. (i.e. 2017-2018, 2016-2017, 2015-2016)   | Tender terms shall prevail.              |
| 302       | Lookman     |   | The bidder shall have experience in successfully implementing at least   | The bidder shall have experience in successfully implementing at least  | Tender terms shall prevail.              |

| Query No. | Bidder Name | Bid Ref. No. | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting |
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| 303       | Lookman     |              | One (1) completed similar work of the value of at least Rs. 100.8crores   | One (1) similar work of the value of at least Rs. 85 crores   | Tender terms shall prevail.              |
| 304       | Lookman     |              | Two (2) completed similar works of at least Rs. 63crore each  | Two (2) similar works of at least Rs. 63 crore each   | Tender terms shall prevail.              |
| 305       | Lookman     |              | Three (3) completed similar works of at least Rs. 50.4 crores each  | Three (3) similar works of at least Rs. 50.4 crores each  | Tender terms shall prevail.              |
| 306       | Lookman     |              | “Similar work” is defined as the supply, installation and commissioning of an Integrated Video Surveillance System or Wide Area Networking System, carried out within seven years from the last day of the month previous to the one in which tender is invited, through a single work order. | Qualifying orders -<br>a. The order should be for supply, installation and commissioning for a Project of Smart city / Safe city / Airports / Railways/any other government organisation<br>b. The project must involve central management via servers.<br>c. Sufficient appropriate evidences and undertakings must be given for corroboration | Tender terms shall prevail.              |
| 307       | Lookman     |              | The bidder should have experience of executing at least one (1) project for the implementation of Video Surveillance System of value more than Rs. 50.4 Crore during the last 3 years from the date of publication of the tender.   | The bidder should have experience of at least one (1) project for Video Surveillance System of value more than Rs. 85 Crore during the last 3 years from the date of publication of the tender.   | Tender terms shall prevail.              |

| <b>Query No.</b> | <b>Bidder Name</b> | <b>Bid Ref. No.</b> | <b>Bid Condition</b>  | <b>Query</b>  | <b>MPHC Response / Reply of pre-bid meeting</b>   |
|------------------|--------------------|---------------------|---|---|---|
| 308              | Lookman            |                     | The bidder should have at least one service office in Madhya Pradesh. | The bidder should have a Permanent Office in Madhya Pradesh or should setup office in 90 days from the award of Work Order. | Section 2.15.6, Part I of the tender document shall be read as "The bidder should have at least one service office in Madhya Pradesh OR should open one within 30 days of issue of work Order by MPHC." |

| Query No. | Bidder Name                        | Bid Ref. No.               | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting |
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| 309       | Marushika Tech Adv. Pvt Ltd (MATA) | Part 1 (12. Field Rack 9U) | <p>"Wall Mount; Height – 9 U, Width – Depth: 600mm*600mm minimum Powder coated steel Body with front door of glass. Completely covered &amp; have security locks Uninhibited access to all mounting points inside the racks Proper ventilated with One Two fans Power cable management One Power strips having 7 Nos – 5A/15A sockets each incl 1 no additional as spare (Power strip/distribution shall meet MIL-STD-1275 surge &amp; spike protection). All incoming &amp; outgoing shall be through Double Pole isolation MCBs in addition to RCCB's. Rack shall be supplied in fully assembled condition with all hardwares &amp; components installed to MPHC site."</p> | <p>Technical details of 19" Wall mounting Rack: 9U Dimension: The maximum dimension of the rack should be 600W X 9U X 600 (mm) Frame: 9U Rack Enclosures in sturdy sheet steel construction consisting of a 1.5mm sheet steel frame folded from one piece and welded, with All-round protective channel on the door aperture, rear side open panel with countersunk holes for wall mounting brackets. With 1 pair of 19" Mounting angles mounted in the front, which can be recess able for Extra cable management. Both sides of wall mount have vents at the Top &amp; bottom for natural thermal management with a provision of fixing a fan expansion kit. Enclosure base with sheet steel cable gland Plates. Doors: Sheet steel, surface mounted, with foamed-in PU seal, Perforated vertical mounting rails on both sides, screw fixed hinges Which can be changed for left hand or right-hand door hanging (for Single door enclosures), 130ø opening angle which can be retrofitted For 180ø in accordance with VDI, cam lock with double-bit insert in Accordance with DIN 43668. Surface finish: Sheets cleaned, degreased, phosphate, electro-Dip coat primed and electro statically powder coated with textured Polyester paint RAL 7035..Supply Include: Wall Mount Rack, wall mounting bracket, PDU 6 Point, 5A Universal, 1 Cantilever tray, 2 cooling fan and 2 Nos of 1U open MS Cable manager with PVC Loops. Approvals: The product should be approved by the following approved organizations:- UL 60950-1- ISO 9001, 14001 and 18001.</p> | Tender terms shall prevail.              |

| Query No. | Bidder Name                        | Bid Ref. No.                      | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting |
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| 310       | Marushika Tech Adv. Pvt Ltd (MATA) | Part 1 (6.20. Passive Components) | <p>1. IP66 junction box suitable for outdoor application, suitable for use in corrosive environments, extreme weather conditions and flame proof.</p> <p>2. The box shall have customized locking mechanism.</p> <p>3. The box shall have wire management (including OFC, power, Ethernet Loop).</p> <p>4. The box shall fit all the field equipment (Amplifier, Media Converter / Switch, Power Supply, LIU, PoE injector, Patch Panels etc.) with proper mounting arrangements.</p> <p>5. The door shall be surface mounted with 130° opening. It shall have concealed removable hinges with captive pin. Hinges can be mounted to allow left or right hand opening.</p> <p>6. Sealing shall be ensured by an injected one-piece polyurethane gasket or better.</p> <p>7. Bidders will have to estimate the size of the junction box which shall accommodate all the equipment installed on the field for any location.</p> <p>8. The junction box shall be of SS construction complete with SS mounting arrangements, accessories, bolts, nuts, washers, screws, etc.</p> <p>9. Battery &amp; UPS compartment shall be separate from the other accessory compartment.</p> <p>10. JB shall have power isolation provisions using Double pole MCB for incomers &amp; outgoing in addition to RCCB's.</p> <p>11. JB shall have terminals for power wiring &amp; for connection of communication wires (part of OFC cable), properly segregated.</p> <p>12. JB shall have an outside indication of voltage, current &amp; LED indication of incoming power availability.</p> <p>13. All individual components in the Junction Box shall be provided with clear &amp; legible printed acrylic labels indicating the component type.</p> <p>14. The junction box shall also have a drawing pocket complete with all as-built drawings for the relevant Junction Box.</p> <p>15. All cable entries shall be through double compression SS cable glands (only from the bottom of Junction Box).</p> <p>16. Unused cable entries shall be provided with SS plugs.</p> <p>17. Junction box shall be provided with an additional FRP canopy to completely cover the Junction Box from rainfall (in any direction). The Canopy shall have suitable coverage.</p> | <p>Please amend the clause as under :</p> <p>1. IP55 Junction box suitable for outdoor application, suitable for use in corrosive environments, extreme weather condition with Salt Spray Test 1000 HRS</p> <p>2. The box shall have 3 Point Chrome Plated Spring Handle with Pad Locking mechanism with enclosure body with 1.5mm thick stainless steel 304 brush grain 400 peak to valley height more than 0.8 micron, door 2mm with PU Foam Gasket with 5 years warranty on IP Protection enclosure body made with water channel arrangement to avoid water leakage due to heavy rainfall.</p> <p>3. The box shall have wire management (including OFC, power, Ethernet Loop).</p> <p>4. The box shall fit all the field equipment (Amplifier, Media Converter/Switch, Power Supply, LIU, PoE injector, Patch Panels etc.) with proper mounting arrangements.</p> <p>5. The door shall be surface mounted with 130° opening. It shall have concealed removable hinges with captive pin. Hinges can be mounted to allow left or right hand opening.</p> <p>6. Sealing shall be ensured by an injected one-piece polyurethane gasket or better.</p> <p>7. Bidders will have to estimate the size of the junction box which shall accommodate all the equipment installed on the field for any location.</p> <p>8. The junction box shall be of SS 304 construction complete with SS mounting arrangements, accessories, bolts, nuts, washers, screws, etc.</p> <p>9. Battery &amp; UPS compartment shall be separate from the other accessory compartment.</p> <p>10. JB shall have power isolation provisions using Double pole MCB for incomers &amp; outgoing in addition to RCCB's.</p> <p>11. JB shall have terminals for power wiring &amp; for connection of communication wires (part of OFC cable), properly segregated.</p> <p>12. JB shall have an outside indication of voltage, current &amp; LED indication of incoming power availability.</p> <p>13. All individual components in the Junction Box shall be provided with clear &amp; legible printed acrylic labels indicating the component type.</p> <p>14. The junction box shall also have a drawing pocket complete with all as-built drawings for the relevant Junction Box.</p> <p>15. All cable entries shall be through double compression SS cable glands (only from the bottom of Junction Box).</p> <p>16. Unused cable entries shall be provided with SS plugs.</p> <p>17. Junction box shall be provided with an additional SS canopy to completely cover the Junction Box from rainfall (in any direction). The Canopy shall have suitable coverage.</p> <p>18. OEM Should be ISO 9001,14001 and 18001 Certified<br/>All product should be UL Certified</p> | Tender terms shall prevail.              |

| Query No. | Bidder Name                        | Bid Ref. No.                     | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting |
|-----------|------------------------------------|----------------------------------|---|---|--|
| 311       | Marushika Tech Adv. Pvt Ltd (MATA) | Part 1 (13. Rack - 42U (Rack I)) | 42U; Adjustable 19" rail in the front and rear for fixing the server and networking equipment; The rack shall be floor mounted. Top and bottom cable entry facility with cable glands; Front section with glass door and lock and back cover; Cable mangers of 1U Floor mount with caster wheels– Inbuilt power distribution unit with at least 8 4 Nos of 220 VAC, 5A outlets as spare for future usage (this is in addition to the actual requirement per such Rack); Minimum 4 nos of cooling fans for proper cooling should be provided; Mounting hardware should be provided for fixing switches, patch panels and network components. Rack shall be supplied in fully assembled condition with all hardware & components installed to MPHC site. Redundant Power supply & distribution. (Power strip distribution shall meet MIL–STD–1275 surge & spike protection). All incoming & outgoing shall be through Double Pole isolation MCBs in addition to RCCB's. | Technical details of 19" Floor Standing Rack: 42U Dimension: The maximum dimension of the rack should be 800W X 42U X 1000D (mm) Basic Structure: Frame Of sturdy 1.5mm frame section construction, consisting of sixteen folded rolled hollow frame section punched in 25mm DIN pitch pattern. All profile edges are radiused. The corners are stiffened with welded zinc die-cast corner connectors, gland plates in 3 parts, which are removable and interchangeable Doors: 1.5mm sheet steel perforated door, with foamed seal polyurethane gasket, square section tubular frame with punching in DIN pitch pattern, rod-type 4 point lock system and Key inserts to DIN 43668 (with single door: hinge fitting r/h or l/h freely selectable on site). Hinges with captive hinge pins, door opening angle 130ø to VDI, can be retrofitted for 180ø. Enclosure fitted with 2 sets of 19" angles, pairs of depth rails (73 X 23mm rails) fitted with swivel spring load lock handles. Rear Door: 1.5mm sheet steel perforated door, with foamed-on seal, with 3 point locking mechanism ergo - form handle system. Roof panel: with foamed-on seal, removable. Vented roof plate with option of having cable entry provision from top. Load Carrying Capacity: 1000KG Static Load, Seismic Rated Zone-4 Certified Surface finish: Sheets cleaned, degreased, phosphate, electro- Dip coat primed and electro statically powder coated with textured Polyester paint RAL 7035.. Supply Include: Floor Standing Rack, Front and rear perforated doors, screw fixed side panels, top and bottom covers with cable entry, castor wheels, 4 fan with fan tray and thermostat, IP Based PDU metered 32A/1P CEE 24xC13 , 4xC19, High-end power distribution in the IT rack with energy measurement and monitoring functions for each individual output slot, installed with bistable relays and OLED display keep energy consumption low, The PDU should got a CAN bus interface that should include. Ambient monitoring like temprature and humidity 2 PDU Per Rack to be supplied- 2No., 1 Fix Tray, Keyboard Tray, earthing kit and 5 Nos of 1U open MS Cable manager with PVC Loops. Swivel handles on front and rear doors. Approvals: The product should be approved by the following approved organizations:<br>- UL 60950-1<br>- ISO 9001, 14001 and 18001 | Tender terms shall prevail.              |

| Query No. | Bidder Name                        | Bid Ref. No.                   | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting |
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| 312       | Marushika Tech Adv. Pvt Ltd (MATA) | Part 1 (14. Rack 24U (Rack II) | 24U; Adjustable 19" rail in the front and rear for fixing the server and networking equipment; The rack shall be floor mounted. Top and bottom cable entry facility with cable glands; Front section with glass door and lock and back cover; Cable mangers of 1U Floor mount with caster wheels– Inbuilt power distribution unit with at least 8 4 Nos of 220 VAC, 5A outlets as spare for future usage (this is in addition to the actual requirement per such Rack); Minimum 4 nos of cooling fans for proper cooling should be provided; Mounting hardware should be provided for fixing switches, patch panels and network components. Rack shall be supplied in fully assembled condition with all hardware & components installed to MPHC site. Redundant Power supply & distribution. (Power strip distribution shall meet MIL–STD–1275 surge & spike protection). All incoming & outgoing shall be through Double Pole isolation MCBs in addition to RCCB's. | Technical details of 19" Floor Standing Rack: 24U Dimension: The maximum dimension of the rack should be 800W X 42U X 1000D (mm) Basic Structure: Frame Of sturdy 1.5mm frame section construction, consisting of sixteen folded rolled hollow frame section punched in 25mm DIN pitch pattern. All profile edges are radiused. The corners are stiffened with welded zinc die-cast corner connectors, gland plates in 3 parts, which are removable and inter changeable Doors: 1.5mm sheet steel perforated door, with foamed seal polyurethane gasket, square section tubular frame with punching in DIN pitch pattern, rod-type 4 point lock system and Key inserts to DIN 43668 (with single door: hinge fitting r/h or l/h freely selectable on site). Hinges with captive hinge pins, door opening angle 130° to VDI, can be retrofitted for 180°. Enclosure fitted with 2 sets of 19" angles, pairs of depth rails (73 X 23mm rails) fitted with swivel spring load lock handles. Rear Door: 1.5mm sheet steel perforated door, with foamed-on seal, with 3 point locking mechanism ergo - form handle system. Roof panel: with foamed-on seal, removable. Vented roof plate with option of having cable entry provision from top. Load Carrying Capacity: 1000KG Static Load, Seismic Rated Zone-4 Certified Surface finish: Sheets cleaned, degreased, phosphate, electro- Dip coat primed and electro statically powder coated with textured Polyester paint RAL 7035.. Supply Include: Floor Standing Rack, Front and rear perforated doors, screw fixed side panels, top and bottom covers with cable entry, castor wheels, 4 fan with fan tray and thermostat, IP Based PDU metered 32A/1P CEE 24xC13 , 4xC19, High-end power distribution in the IT rack with energy measurement and monitoring functions for each individual output slot, installed with bistable relays and OLED display keep energy consumption low, The PDU should got a CAN bus interface that should include. Ambient monitoring like temperature and humidity 2 PDU Per Rack to be supplied- 2No., 1 Fix Tray, Keyboard Tray, earthing kit and 5 Nos of 1U open MS Cable manager with PVC Loops. Swivel handles on front and rear doors. Approvals: The product should be approved by the following approved organizations:- UL 60950-1- ISO 9001, 14001 and 18001 | Tender terms shall prevail.              |

| Query No. | Bidder Name                        | Bid Ref. No.                    | Bid Condition                                       | Query   | MPHC Response / Reply of pre-bid meeting                      |
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| 313       | Marushika Tech Adv. Pvt Ltd (MATA) | Data Centre Core Infrastructure | Intellegent 42U Network Rack (4 racks solution) x 2 | No Specification in RFP for Mini Data Center for Command Control Center for housing servers and storage with cooling power, security Request to add min specs as below  | Data Center Specifications are part of the CR Infrastructure. |
| 314       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause                      |   | (i) The Mini Data Center (42HU Usable 4 rack solution) suitable for free standing installation.   | Tender terms shall prevail.                                   |
| 315       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause                      |   | (ii) Provisioning of Mini Data Center for further extension.  | Tender terms shall prevail.                                   |
| 316       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause                      |   | Basic Structure: Sturdy frame section construction, consisting of multi folded nine fold folded rolled hollow frame section punched in 25mm DIN pitch pattern. Removable top & Bottom cover with Cable entry provision. | Tender terms shall prevail.                                   |
| 317       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause                      |   | • Server/Network Rack – 19" (42U) X 1200Depth.  | Tender terms shall prevail.                                   |
| 318       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause                      |   | • Fitted with Front Glass door having 4 mm thick toughened glass for safety & Rear Sheet Steel Door with 3point locking system ergoform s handle.   | Tender terms shall prevail.                                   |
| 319       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause                      |   | • All removable part should be with PU gasket with screw fixing to avoid air leakage.   | Tender terms shall prevail.                                   |
| 320       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause                      |   | • Supply includes: 1 Fixed Tray, 2 Vertical and 5 Horizontal Cable Manager, Earth Bar with wires, Captive Hardware pack.  | Tender terms shall prevail.                                   |
| 321       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause                      |   | • All Racks should be certified according to ISO 9001, 14001, 18001. & UL 60950-1, Complying EIA 310, DIN 41494 and IEC 297 standards   | Tender terms shall prevail.                                   |
| 322       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause                      |   | • Load bearing capacity: 1400KG   | Tender terms shall prevail.                                   |
| 323       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause                      |   | • Surface Finish: Nano Ceramic Coated, electro-dipcoat primed to 20 microns and powder coated with textured polyester RAL 7035 to 80 to 120 microns.  | Tender terms shall prevail.                                   |

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| 324       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | The "PDU metered" should have extensive management features for the power and output monitoring of each phase. The basic configuration can be set via the integrated OLED colour display,   | Tender terms shall prevail.              |
| 325       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Technical specifications of the "PDU metered"   | Tender terms shall prevail.              |
| 326       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Input voltage range (L-N): 90 V – 250(400) V AC, 50-60 Hz   | Tender terms shall prevail.              |
| 327       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Input current: 32 A No. of phases: 1  | Tender terms shall prevail.              |
| 328       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Number of slots, type EN60320/C13 (total): 24,C19 (total): 4  | Tender terms shall prevail.              |
| 329       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Length of the connection cable: 3 m   | Tender terms shall prevail.              |
| 330       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Measurement functions: Measurement of each phase  | Tender terms shall prevail.              |
| 331       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Recorded values (per phase): Voltage (V), current (A) and frequency (Hz), Active power (kW), active energy (kWh), apparent power (kVA), Power factor, Neutral current measurement, Fuse monitoring  | Tender terms shall prevail.              |
| 332       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Voltage accuracy: 2% Current accuracy: 2%   | Tender terms shall prevail.              |
| 333       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Display: OLED, RGB, 128x128 pixels  | Tender terms shall prevail.              |
| 334       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Network interface: RJ45, integrated Web server  | Tender terms shall prevail.              |
| 335       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Supported protocols: HTTP, HTTPS, SSL, SSH, NTP, and Telnet TCP/IP v4 and v6, DHCP, DNS, NTP, and Syslog, SNMP v1, v2c and v3, XML FTP/SFTP (update / file transfer) E-mail dispatch (SMTP) User management, including rights management: | Tender terms shall prevail.              |

| Query No. | Bidder Name                        | Bid Ref. No. | Bid Condition | Query  | MPHC Response / Reply of pre-bid meeting |
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| 336       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Conformity: CE   | Tender terms shall prevail.              |
| 337       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Protection category: IP 20 (EN 60529)  | Tender terms shall prevail.              |
| 338       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | (i)The Front & Rear door of Mini Data Center should be fitted with High Security Electro-mechanical code combination lock  | Tender terms shall prevail.              |
| 339       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | (i) The cooling system shall be zero U rack based type with horizontal uniform cold air distribution with 6.5kW Cooling using EC Fans There shall be no loss of vertical "U" space inside the 19" Rack while mounting the equipment.   | Tender terms shall prevail.              |
| 340       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | (ii) Functionality: The redundant should have two cooling circuits and controllers inside the internal unit, plus two inverter regulated external units. The fault and operating hours changeover should allows regular switching between the two external units, and ensures automatic changeover in the event of a malfunction or failure. | Tender terms shall prevail.              |
| 341       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | The device should supports front-to-back air routing typical of IT applications, and regulates the server inlet temperature to the set value   | Tender terms shall prevail.              |
| 342       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | (iii) Useful cooling output L22 L35 kW : 6.5kW   | Tender terms shall prevail.              |
| 343       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Modulation range kW : 3-6.5  | Tender terms shall prevail.              |
| 344       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Rated operating voltage V, ~, Hz : 230, 1~, 50   | Tender terms shall prevail.              |
| 345       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Rated current (max.) A : 15.9  | Tender terms shall prevail.              |
| 346       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Pre-fuse A :20   | Tender terms shall prevail.              |

| Query No. | Bidder Name                        | Bid Ref. No. | Bid Condition | Query  | MPHC Response / Reply of pre-bid meeting |
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| 347       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Duty cycle % : 100%  | Tender terms shall prevail.              |
| 348       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Cooling medium : R 410A  | Tender terms shall prevail.              |
| 349       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Sound pressure level at a distance of 10 m (external unit) dB(A) : 40  | Tender terms shall prevail.              |
| 350       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Operating temperature range (external unit) : -20°C...+45°C  | Tender terms shall prevail.              |
| 351       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Protection category IP to IEC 60529:-<br>Internal unit IP 20, External unit IP X4  | Tender terms shall prevail.              |
| 352       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | System should includes:  | Tender terms shall prevail.              |
| 353       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | – Internal unit (evaporator coil)  | Tender terms shall prevail.              |
| 354       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | – 2 external units (inverter-controlled)   | Tender terms shall prevail.              |
| 355       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | – mounting trim panel with display and control components  | Tender terms shall prevail.              |
| 356       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | – Condensate hose  | Tender terms shall prevail.              |
| 357       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | (i)Provisioning of structured power distribution system. The 3-Phase commercial conditioned 440V/50Hz power supply will be made available by the user at the Distribution panel along with MCCB.               | Tender terms shall prevail.              |
| 358       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | (ii)This Main Distribution panel will be used to distribute power to all power consuming devices used in Mini Data Center such as: UPS, Air-Conditioning system.   | Tender terms shall prevail.              |
| 359       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | The system must be supplied with 2nos of IP Based Cameras (one on the front side & another on the rear side), control system software to cover the IT security Mini Data Center with suitable internal storage | Tender terms shall prevail.              |

| Query No. | Bidder Name                        | Bid Ref. No. | Bid Condition | Query   | MPHC Response / Reply of pre-bid meeting |
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| 360       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Monitoring should be an intelligent monitoring system with an Ethernet 10BaseT network connection. The priorities of the various functions are monitoring, controlling and documenting physical parameters inside the Mini Data Center such as temperature, humidity, access etc. These functions should be managed and controlled via different protocols. | Tender terms shall prevail.              |
| 361       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | The basis of the system should be the processing unit (PU unit).input/output units (I/O unit) The sensors should be coded so that the function blocks recognize automatically which sensors are connected.  | Tender terms shall prevail.              |
| 362       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | · Network interface: IEEE 802.3 10/100BaseT Full Duplex   | Tender terms shall prevail.              |
| 363       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | · Basic protocols: TCP/IP, SNMP V1.0, Telnet, FTP, http   | Tender terms shall prevail.              |
| 364       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Additional features: NTP, SSH, SSL, DHCP  | Tender terms shall prevail.              |
| 365       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | (i) Smoke Sensor fitted with Monitoring system with Sound and Visual Alarm  | Tender terms shall prevail.              |
| 366       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | (ii) reputed fire suppression bottle fitted on side cover   | Tender terms shall prevail.              |
| 367       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | 10 KVA N+N with 30 Min Back UP  | Tender terms shall prevail.              |
| 368       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | The UPS shall be Rack mount True Online type with rack mount SMF batteries enclosed in battery cabinet to provide 30 mins battery backup.   | Tender terms shall prevail.              |
| 369       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Rack based UPS Power Distribution:  | Tender terms shall prevail.              |
| 370       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |               | Rack based power distribution system of height 3U to be provided for UPS output power distribution.   | Tender terms shall prevail.              |

| Query No. | Bidder Name                        | Bid Ref. No. | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting                                 |
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| 371       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |  | (i) Installation of the Mini Data Center and the relevant components has to be carried out by qualified technicians.   | Tender terms shall prevail.  |
| 372       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |  | (ii) 01 day onsite training to the user will be given by the vendor.   | Tender terms shall prevail.  |
| 373       | Marushika Tech Adv. Pvt Ltd (MATA) | New clause   |  | Regulatory Standard, ISO 9001, 14001, 18001 and UL 60950-1,2416 Listed, ROHS.  | Tender terms shall prevail.  |
| 374       | Marushika Tech Adv. Pvt Ltd (MATA) | 6.32         | Video wall controller Display Controller to control upto 12 panels, with required outputs, in any matrix combination; Capable of taking universal/multiple inputs (>10) & outputs for video/data along with necessary wall management software; Dual Gigabit Ethernet Ports with support for additional adapters; 4-DVI-D/HDMI Outputs; Support for Full HD resolution at full frame rate for all panels; Intel Xeon i7 64-bit processor with 16GB RAM; 1 TB HDD | Video wall controller : Capable of taking Universal / Multiple Inputs > 10 – For the better performance, this must be changed to 6 Inputs                                    | Tender terms shall prevail.  |
| 375       | Marushika Tech Adv. Pvt Ltd (MATA) | 6.32         | Monitor, General Very narrow & black bezel (<3mm) CCTV Monitor suitable for continuous (24x7x365) use with MTBF of more than 80,000 Hrs;   | Monitor – Very narrow Bezel 3mm – Since the latest technology has been advance than the asked in RFP, request you to consider Bezel 1mm or better as it is latest technology | Shall be read as "General Very narrow & black bezel (<1mm) CCTV Monitor" |

| Query No. | Bidder Name                        | Bid Ref. No. | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting |
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| 376       | Marushika Tech Adv. Pvt Ltd (MATA) | 6.32         | Certifications – UL,FCC,CE   | Certifications – UL,FCC,CE have been asked in the RFP. Whereas the BIS standards are also equally applicable for such solutions. So request you to mention BIS Along with UL/FCC/CE  | Tender terms shall prevail.              |
| 377       | Marushika Tech Adv. Pvt Ltd (MATA) | 3.5          | <p>3.5. PAYMENT TERMS</p> <p>For the supply, installation, commissioning, testing, training and warranty of items&amp; system as per tender and post-warranty comprehensive Annual Maintenance Contract for 48 months</p> <p>(Note: Payments will be made in Indian Rupees only)</p> <p>a. 60% of total price against delivery of all the equipment at the site.</p> <p>b. 20 % of total price against successful Installation of the system.</p> <p>c. 20% against successful commissioning &amp; UAT</p> <p>For CAMC - Quarterly prorata payment of finalized CAMC amount will be made after successful completion of period of respective post warranty CAMC.</p> | <p>In order to ensure the improved service during the contract period, we request you to please amend the clause as under:</p> <p>a. 90% of total price against delivery of all the equipment at the site.</p> <p>b. 5 % of total price against successful Installation of the system.</p> <p>c.5% against successful commissioning&amp; UAT</p> <p>For CAMC - Quarterly prorata payment of finalized CAMC amount will be made in arrears at the start of period of respective post warranty CAMC.</p> | Tender terms shall prevail.              |

| Query No. | Bidder Name                        | Bid Ref. No. | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting  |
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| 378       | Marushika Tech Adv. Pvt Ltd (MATA) | 2.15         | The average annual turnover of the firm should be at least Rs. 126 Crore during the last three consecutive financial years. (i.e. 2017-2018, 2016-2017, 2015-2016) | To have the best competition, please amend the clause as under: The average annual turnover of the firm should be at least Rs. 85 Crore during the last three consecutive financial years. (i.e. 2017-2018, 2016-2017, 2015-2016)  | Tender terms shall prevail.   |
| 379       | Marushika Tech Adv. Pvt Ltd (MATA) | 6.1.         | Image Sensor : 1/2" Progressive scan HD CMOS   | We would like to submit that image sensor 1/2.7" CMOS Sensor or 1/2.8" CMOS Sensor , this change does not affect the functionality of the system. Please make it standard as per industry. Accepting this clause will allow maximum participation from the leading camera OEM's. Request to change below clause " 1/2.7" or "1 /2.8" | The tender specifies non-uniform sensor sizes for different types of cameras. The same is being standardised as "Sensor size of 1/3" or better" without affecting the specified light sensitivity. The lens shall be 3 - 9 mm or better.  |
| 380       | Marushika Tech Adv. Pvt Ltd (MATA) | 6.1.         | Certification :The System Shall be ROHS,WEEE,ISO14001, & REACH Compliant   | We would like to submit that Most of reputed OEM are having only two certification .Please make it standard as per industry . Accepting this clause will allow maximum participation from the leading camera's OEM's. Request you to accept : The System shall be ROHS/WEEE/ISO-14001/REACH Compliant                                | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder. |

| Query No. | Bidder Name                        | Bid Ref. No. | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting  |
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| 381       | Marushika Tech Adv. Pvt Ltd (MATA) | 6.2.         | Certification :The System Shall be ROHS,WEEE,ISO14001, & REACH Compliant                                    | We would like to submit that, Most of reputed OEM are having only two certification .Please make it standard as per industry . Accepting this clause will allow maximum participation from the leading camera's OEM's. Request you to accept : The System shall be ROHS/WEEE/ISO-14001/REACH Compliant  | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder. |
| 382       | Marushika Tech Adv. Pvt Ltd (MATA) | 6.2.         | Quality Image-Minimum 5-megapixel progressive scan HD CMOS (Per Lens); Should have minimum 4 lenses/sensors | We would like to submit that the clause and Request you to reframe the technical Specification and it is available to one unique and specific OEM and not available in generic standard .it is unique with one OEM. Accepting this clause will make others OEM's Participation and Competitive. Request you to accept : Minimum 3 MP with minimum 4 lenses/Sensor with more than 7 FPS in all resolutions | Outdoor Panoramic Cameras are available with multiple OEMs (at least 3) & the same has been duly verified.  |
| 383       | Marushika Tech Adv. Pvt Ltd (MATA) | 6.4.         | Quality Image-Minimum 5 megapixel progressive scan HD CMOS  | We would like to submit that the clause and advise on image sensor size , to get 5 MP Resolution Request you to advise on image sensor size   | The tender specifies non-uniform sensor sizes for different types of cameras. The same is being standardised as "Sensor size of 1/3" or better" without affecting the specified light sensitivity. The lens shall be 3 - 9 mm or better.  |

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| 384       | Marushika Tech Adv. Pvt Ltd (MATA) | 6.4.         | OEM-All proposed cameras should be from single OEM   | We would like to submit that the clause of mixed camera OEM proposition to make bid Competitive ,so that maximum OEM can participate in the Bidding Request you to accept-Camera should be from mixed OEM   | The panoramic cameras can be proposed from a different OEM.   |
| 385       | Marushika Tech Adv. Pvt Ltd (MATA) | 6.5.         | Quality Image- Minimum 5-megapixel progressive scan HD CMOS (Per Lens); Should have minimum 4 lenses/sensors . | We would like to submit that the clause and Request you to reframe the technical Specification and it is available to one unique and specific OEM and not available in generic standard .it is unique with one OEM. Accepting this clause will make others OEM's Participation and Competitive. Request you to accept : Minimum 3 MP with minimum 4 lenses/Sensor with more than 7 FPS in all resolutions | Panoramic Cameras are available with multiple OEMs & the same has been duly verified.   |
| 386       | Marushika Tech Adv. Pvt Ltd (MATA) | 6.1.         | Auto detection & configuration -All proposed cameras should be from single OEM.                                | We would like to submit that the clause and of mixed camera OEM proposition to make bid Competitive ,so that maximum OEM can participate in the Bidding Request you to accept-Camera should be from mixed OEM   | The panoramic cameras can be proposed from a different OEMs.  |
| 387       | Marushika Tech Adv. Pvt Ltd (MATA) | 6.4.         | Certification- The system shall be ROHS, WEEE, ISO - 14001 and REACH compliant                                 | We would like to submit that, Most of reputed OEM are having only two certification .Please make it standard as per industry . Accepting this clause will allow maximum participation from the leading camera's OEM's. Request you to accept : The System shall be ROHS/WEEE/ISO-14001/REACH Compliant  | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder. |

| Query No. | Bidder Name                        | Bid Ref. No. | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting  |
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| 388       | Marushika Tech Adv. Pvt Ltd (MATA) | 6.5.         | Certification- The system shall be ROHS, WEEE, ISO - 14001 and REACH compliant | We would like to submit that, Most of reputed OEM are having only two certification .Please make it standard as per industry . Accepting this clause will allow maximum participation from the leading camera's OEM's. Request you to accept : The System shall be ROHS/WEEE/ISO-14001/REACH Compliant | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder. |
| 389       | Marushika Tech Adv. Pvt Ltd (MATA) | 6.5.         | Indoor Panoramic Camera  | We would like to submit that the clause and reframe the tech specification . It is unique and with one OEM and not in general Request you to reframe the technical specification   | Panoramic Cameras are available with multiple OEMs & the same has been duly verified.   |
| 390       | Marushika Tech Adv. Pvt Ltd (MATA) | 6.2.         | Outdoor Panoramic Camera   | We would like to submit that the clause and reframe the tech specification . It is unique and with one OEM and not in general Request you to reframe the technical specification   | Outdoor Panoramic Cameras are available with multiple OEMs & the same has been duly verified.   |

| Query No. | Bidder Name                 | Bid Ref. No.               | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting  |
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| 391       | Nidhii Industries Pvt. Ltd. | Page-33 MAF                | Following authorizations shall be made available from OEMs:<br>o Technical compliance to the specifications and authorization for participating in the tender on manufacturer's behalf.<br>o Authorization for providing test reports complying the specifications at the time of inspection.<br>o Authorization that the items quoted by the tenderer are in production and would be supported for service for at least 10 years from the date of the final commissioning. | Request the department to Kindly clarify on the MAF requirement for the components.  | MAFs to be submitted from Command & Control Application (C4i), VMS, VAS, Server, Storage & Workstation, ACS, Active Networking, DFMD & Camera OEM - To be printed on OEM Company Letterhead |
| 392       | Nidhii Industries Pvt. Ltd. | Pg55, SAN/NAS Connectivity | The Storage box shall accept FC, iSCSI, SAS, FCoE as front end connectivity;  | Request to consider the storage box shall accept FC/iSCSI/SAS/FCoe as front end connectivity.  | Tender terms shall prevail.   |
| 393       | Nidhii Industries Pvt. Ltd. | Pg 13, 2.6.2 VMS/IVA       | The Security Management System OEM should have installed the solution in at least one multi-site (at least 200 state or nation-wide locations) integrated project in India  | The Security Management System OEM should have installed the solution in at least one multi-site (at least 200 state or nation-wide locations) integrated project in India/Globally. | Global experience shall be acceptable.  |

| Query No. | Bidder Name                 | Bid Ref. No.                           | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting  |
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| 394       | Nidhii Industries Pvt. Ltd. | 5.3.2 Spares ,Page no -36              | Spares required quantity is region wise.  | Spares quantity that is to maintained at Bidder part is included in BOQ? IF No, Payment will be provided by the department for maintaining the spares or not or we need to include these spare prices in the bid itself?<br><br>Apart this how Department will verify if the SI is maintaining the spares or not ?   | All the spares shall be in SI scope. No separate payment shall be made to the SI. It is the responsibility of the SI to maintain the vendor spares & make them available for inspection by MPHC during any stage of the contract.                               |
| 395       | Nidhii Industries Pvt. Ltd. | 2.5 Earnest Money Deposit; Page No. 10 | EMD Bank Guarantee  | Please add DD/FDR/ Pay Order   | Please refer to Point No. 8 of the General Instructions/ Clarifications Section hereinabove.  |
| 396       | Nidhii Industries Pvt. Ltd. | MAF                                    |   | For which items MAF is required? Please clarify.   | MAFs to be submitted from Command & Control Application (C4i), VMS, VAS, Server, Storage & Workstation, ACS, Active Networking, DFMD & Camera OEM - To be printed on OEM Company Letterhead   |
| 397       | OncamGrandeye               | 6.2. Outdoor Panoramic Camera          | Minimum 5-megapixel progressive scan HD CMOS (Per Lens); Should have minimum 4 lenses/sensors . | This 20 MP specification is specific to a vendor. Multisensors provide tampered stitched image and hence cant be used in case of any video usage. In modern technology, single 5/ 12 MP lenses along with sensors are available with much higher sensor size thus providing better low light performance. Hence we suggest to allow multisensor or better single lens products. Kindly allow 12 MP single lens camera as well in the tender. | Tender terms shall prevail. The rationale for using panoramic cameras is a) no blind spots b) 180 Deg Coverage, including identification at a radial distance of minimum 25 meters c) Lesser VMS licenses d) Lesser Ethernet Ports resulting in further saving. |

| Query No. | Bidder Name    | Bid Ref. No.                  | Bid Condition                            | Query  | MPHC Response / Reply of pre-bid meeting   |
|-----------|----------------|-------------------------------|--|--|--|
| 398       | OncamGr andeye | 6.2. Outdoor Panoramic Camera | Fixed 6 mm, DC-Iris                      | This is specific to a vendor. For a true panoramic image, lens size has to be less than 2mm. Kindly allow us to bid with 1.6mm lens.   | With a lower focal length, the pixels per meter required for object/Number Plate/ face identification will not be sufficient. However, bidders are advised to select a panoramic camera with 3 or more lenses with 5 MP resolution per sensor & bidder selected focal length - meeting the functional specifications of clear identification of number plate & face at a radial distance of 25 meters at a camera height of 4 meter. |
| 399       | OncamGr andeye | 6.2. Outdoor Panoramic Camera | 30FPS at full Resolution                 | 30 fps at 20 MP resolution is not the best designed specifications from bandwidth and storage perspective. Hence we suggest to have 30 fps @ 1080p resolution and 12 fps at full resolution. Kindly allow us to quote with 12fps @ full resolution and 30fps@1080p resolution  | The recording parameter for Panoramic Camera shall be Full HD at 15 FPS per sensor while that for monitoring shall be 5 MP at 25 FPS per sensor.   |
| 400       | OncamGr andeye | 6.2. Outdoor Panoramic Camera | Should cover radial distance of upto 20m | In Panoramic cameras integrated IR does not work properly because panoramic cameras cover very wider area of upto 70 meters while internal IRs work upto 20 meters in single direction. Hence the better solution is low light cameras with external IR. Kindly allow us the external IR or low light performance 0.1 lux @50IRE | Tender terms shall prevail. Bidders can propose external IR (with all the necessary ports/ power supply & wiring) if the camera doesn't support the same.  |

| Query No. | Bidder Name    | Bid Ref. No.                 | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting   |
|-----------|----------------|------------------------------|---|--|--|
| 401       | OncamGr andeye | 6.5. Indoor Panoramic Camera | Minimum 5-megapixel progressive scan HD CMOS (Per Lens); Should have minimum 4 lenses/sensors . | This 20 MP specification is specific to a vendor. Multisensors provide tampered stitched image and hence cant be used in case of any video usage. In modern technology, single 5/ 12 MP lenses along with sensors are available with much higher sensor size thus providing better low light performance. Hence we suggest to allow multisensor or better single lens products. Kindly allow 12 MP single lens camera as well in the tender. | <p>Tender terms shall prevail. The rationale for using panoramic cameras is a) no blind spots b) 180 Deg Coverage, including identification at a radial distance of minimum 25 meters c) Lesser VMS licenses d) Lesser Ethernet Ports resulting in further saving.</p> <p>Image stitching or tampering with the original video in any form (e.g. dewarping) shall not be acceptable in recording as the same is not admissible as an evidence in courts of law. Multi-sensor cameras meeting the above-mentioned requirements shall only be acceptable, please note.</p> |

| Query No. | Bidder Name       | Bid Ref. No.                       | Bid Condition               | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------------|------------------------------------|-----------------------------|---|---|
| 402       | OncamGr<br>andeye | 6.5. Indoor<br>Panoramic<br>Camera | Fixed 6 mm,<br>DC-Iris      | This is specific to a vendor. For a true panoramic image, lens size has to be less than 2mm. Kindly allow us to bid with 1.6mm lens.  | <p>With a lower focal length, the pixels per meter required for object/Number Plate/ face identification will not be sufficient. However, bidders are advised to select a panoramic camera with 3 or more lenses with 5 MP resolution per sensor &amp; bidder selected focal length - meeting the functional specifications of clear identification of number plate &amp; face at a radial distance of 25 meters at a camera height of 4 meter.</p> <p>Image stitching or tampering with the original video in any form (e.g. dewarping) shall not be acceptable in recording as the same is not admissible as an evidence in courts of law. Multi-sensor cameras meeting the above-mentioned requirements shall only be acceptable, please note.</p> |
| 403       | OncamGr<br>andeye | 6.5. Indoor<br>Panoramic<br>Camera | 30FPS at full<br>Resolution | 30 fps at 20 MP resolution is not the best designed specifications from bandwidth and storage perspective. Hence we suggest to have 30 fps @ 1080p resolution and 12 fps at full resolution. Kindly allow us to quote with 12fps @ full resolution and 30fps@1080p resolution | The recording parameter for Panoramic Camera shall be Full HD at 15 FPS per sensor while that for monitoring shall be 5 MP at 25 FPS per sensor.  |

| Query No. | Bidder Name      | Bid Ref. No.                 | Bid Condition                             | Query   | MPHC Response / Reply of pre-bid meeting   |
|-----------|------------------|------------------------------|---|---|--|
| 404       | OncamGr andeye   | 6.5. Indoor Panoramic Camera | Should cover radial distance of upto 20m. | In Panoramic cameras integrated IR does not work properly because panoramic cameras cover very wider area of upto 70 meters while internal IRs work upto 20 meters in single direction. Hence the better solution is low light cameras with external IR. Kindly allow us the external IR or low light performance 0.1 lux @50IRE  | Tender terms shall prevail. Bidders can propose external IR (with all the necessary ports/ power supply & wiring) if the camera doesn't support the same.  |
| 405       | Ortus Automation |                              |   | 1. Fingerprint should be able to distinguish between Live & Fake fingers as part of High Security measure. There are clones available in market and it has been proven as well that Fake fingers made of Chemical composition like Rubber, Gel, Silicon, Paper, Film work on various Devices thereby compromising Security and defeating purpose of Fingerprint. This feature needs to be certified by FP Sensor OEM on their letterhead to have authenticity of the product and scanner in your larger interest.         | Access Control Systems are installed for securing the core assets & as such, should be inherently secured. The system should not allow access using fake finger or image or impression of any kind & should be intelligent enough to detect a live or fake finger. |
| 406       | Ortus Automation |                              |   | 2. We recommend you to have Device with own FP scanner algorithm. This enhances overall Device performance as both are from the same make. Sensor algorithm should be registered on reputed website. White labeling / OEM branding are available in market which may not be genuine product and hence we request you not to consider the same.  | Tender terms shall prevail.  |
| 407       | Ortus Automation |                              |   | 3. It is recommended to have Device with min 1.5" color LCD so as it display Punch Timings, User Name as well.  | Tender terms shall prevail.  |
| 408       | Ortus Automation |                              |   | 4. Your requirement is for UL Biometrics and Card readers both but in this case only one or 2 brands qualifies for these products. Ideally UL is not criterion for Device / Solution Performance as we have deployed our Fingerprint solutions for more than 35,000 employees across Multiple locations in Oil & Gas Sectors and that too harsh condition. We have customer across all verticals including Corporate, Banks, Oil & Gas, Pharma, Defence, BPO etc and working seamlessly over a period of more than 5 yrs. | Tender terms shall prevail.  |

| Query No. | Bidder Name      | Bid Ref. No. | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting   |
|-----------|------------------|--------------|---|---|--|
| 409       | Ortus Automation |              |   | 5. Device should have capability to configure user wise security level if quality of finger prints for any user of all 10 fingerprints is not upto the mark. This will be of help tremendously to yourself. | Tender terms shall prevail.  |
| 410       | Qognify          | Page No.: 13 | The Security Management System OEM should have installed the solution in at least one multi-site (at least 200 state or nation-wide locations) integrated project in India.   | We request to allow reference of 100+ sites across India.   | Tender terms shall prevail.  |
| 411       | Qognify          | Page No.: 13 | 1. The Security Management System OEM should have installed the solution in at least 3 Government Projects in India in the last three years ending last day of month previous to the one in which tender is invited. A declaration to this effect shall be produced clearly stating the make and model number/s of the solution and the duration of the installation. | We consider the meaning as at least 3 government projects should have been in operation currently, (supply/Installation) could be of previous years. Please confirm   | The Clause shall be read as " The Security Management System (C4i/PSIM Software) OEM should have installed the solution in at least 3 Government/Private Projects in India in the last three years ending last day of month previous to the one in which tender is invited. A declaration to this effect shall be produced clearly stating the make and model number/s of the solution and the duration of the installation. |

| Query No. | Bidder Name | Bid Ref. No. | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting   |
|-----------|-------------|--------------|---|--|--|
| 412       | Qognify     | Page No.: 27 | Outdoor/indoor panoramic 20MP cameras   | 20MP camera resolution is too high for surveillance requirement and will not be practical considering required servers/storage/bandwidth etc.. Also the actual BOQ asked for 2MP and 5MP cameras. So we consider 20MP is typo error and need to be corrected.  | Bidders are advised to select a panoramic camera with 3 or more lenses with 5 MP resolution & bidder selected focal length - meeting the functional specifications of clear identification of number plate & face at a radial distance of 25 meters at a camera height of 4 meter.   |
| 413       | Qognify     | Page No.: 58 | Definable and available triggers should be for: Vehicles Moving, Vehicles Parking, Vehicles Starting to Move, People Moving, Anything Moving, Camera Obstructed, Cord Cut, Hardware alarm Input, Unknown Starting, unknown Moving, Unknown Parking, Item left Behind, Item Removed, People Loitering. | Most of the vehicle related analytics are not relevant for this project as it is majorly a surveillance of area within defined boundary walls, so request to remove the same. This will ensure to avoid the unnecessary price escalation of these analytics. Also request to provide the quantity of analytics for each rule to be considered so as hardware and software sizing can be optimized. | VMS software licenses are the sum total of camera quantity. However, IVA requirement is for select cameras. Bidders should assume the quantity to be 20% of the outdoor fixed & indoor dome cameras. The IVA requirement is for general/basic analytics, such as Area/region wise loitering detection, multiple trip-wire, abandoned object, motion detection, camera tampering, cord-cut etc. |

| <b>Query No.</b> | <b>Bidder Name</b> | <b>Bid Ref. No.</b> | <b>Bid Condition</b>  | <b>Query</b>                | <b>MPHC Response / Reply of pre-bid meeting</b>  |
|------------------|--------------------|---------------------|---|-----------------------------|--|
| 414              | Qognify            | Page No.: 80        | IV. Inventory – Record and automates transactions for sending and receiving shipments; supports multiple Catalogs of Items as well as providing alternative items to ensure more effective use of supplies. Allows organizations to manage requests, donations and warehouses.  | OEM Specific. To be removed | Bidders are advised to propose alternate functionality that meets the functional objective of Disaster Management. |
| 415              | Qognify            | Page No.: 81        | Use of advanced virtual scenario generator to train management and staff.   | OEM Specific. To be removed | Tender terms shall prevail.  |
| 416              | Qognify            | Page No.: 85        | The C4I shall support simulations and predictions based on smart algorithms display.  | OEM Specific. To be removed | Tender terms shall prevail.  |
| 417              | Qognify            | Page No.: 85        | The C4I use of 3D simulations would enhance the training and planning procedures, by allowing an accurate evaluation of implications and consequences of future events on the 3D fully GIS model of the site. The C4I shall support the design and runtime stage of all simulations as a user friendly scenario generator tool. | OEM Specific. To be removed | Tender terms shall prevail.  |

| <b>Query No.</b> | <b>Bidder Name</b> | <b>Bid Ref. No.</b> | <b>Bid Condition</b>   | <b>Query</b>                | <b>MPHC Response / Reply of pre-bid meeting</b> |
|------------------|--------------------|---------------------|--|-----------------------------|---|
| 418              | Qognify            | Page No.: 85        | The C4I scenario generator shall be capable of interfacing with common simulation software's and vendors.  | OEM Specific. To be removed | Tender terms shall prevail.                     |
| 419              | Qognify            | Page No.: 85-86     | The C4I shall support the use of 3D simulative predictions, based on smart algorithms in the planning, training and real time modes.   | OEM Specific. To be removed | Tender terms shall prevail.                     |
| 420              | Qognify            | Page No.: 86        | The environment parameters which support the predictions accuracy would be fed in real-time to the C4I either manually or automatically (where environment sensors are available for integration). | OEM Specific. To be removed | Tender terms shall prevail.                     |
| 421              | Qognify            | Page No.: 86        | The C4I shall have the ability to effectively predict, simulate and display human behavior in order to evaluate site evacuation, point to bottleneck locations and estimate evacuation times.      | OEM Specific. To be removed | Tender terms shall prevail.                     |

| Query No. | Bidder Name | Bid Ref. No. | Bid Condition  | Query                       | MPHC Response / Reply of pre-bid meeting |
|-----------|-------------|--------------|--|-----------------------------|--|
| 422       | Qognify     | Page No.: 86 | The C4I shall have the ability to create comprehensive simulations including: blast effects, gas propagation and crowd behavior. The C4I shall have the ability to analyze and evaluate security gaps and the quality of security. The C4I shall have the ability to effectively evaluate and optimize routes for building evacuation by determining bottle-neck locations and evacuation times. | OEM Specific. To be removed | Tender terms shall prevail.              |
| 423       | Qognify     | Page No.: 86 | The C4I shall provide a Training operating mode that provides the following features: The C4I shall have the ability to create advanced training scenarios for various types of groups. The C4I shall have the ability to conduct mission rehearsals during training drills  | OEM Specific. To be removed | Tender terms shall prevail.              |

| Query No. | Bidder Name | Bid Ref. No. | Bid Condition   | Query                       | MPHC Response / Reply of pre-bid meeting |
|-----------|-------------|--------------|---|-----------------------------|--|
| 424       | Qognify     | Page No.: 87 | Scheduling application (i.e. MS Outlook) – The user would be able to schedule tasks, activities and meetings giving each entity a 3D GIS location, time and attribute. Site status – The C4I shall support all infrastructure and business related status in user define graphical display (e.g. gages, graphs, other). | OEM Specific. To be removed | Tender terms shall prevail.              |

| Query No. | Bidder Name | Bid Ref. No. | Bid Condition  | Query                       | MPHC Response / Reply of pre-bid meeting |
|-----------|-------------|--------------|--|-----------------------------|--|
| 425       | Qognify     | Page No.: 87 | <p>The C4I shall provide 3D object tracking - The ability to locate a moving object (human or vehicle), track its movement in a crowded environment and Display the suspect's movement and trail on the 3D GIS map at Real-Time. The C4I shall have the ability to locate and track suspects using recorded video from the CCTV DVR/NVR and display the suspect's movement and trail on the 3D GIS map.</p> <p>"The C4I shall provide the ability to track suspects using DVR/NVR from a certain point forward or backward in various speeds. The C4I will support real time or recorded tracking by selecting and setting the cameras on screen based on the advancing path of the tracked object. The C4I shall support a display of the suspect's presumed advancing ways and direction in case of a lost suspect event."</p> | OEM Specific. To be removed | Tender terms shall prevail.              |

| Query No. | Bidder Name | Bid Ref. No.                    | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|---------------------------------|--|---|---|
| 426       | Qognify     | Page No.: 89                    | Identify a person via badge ID or image.   | OEM Specific. To be removed   | <b>This shall be considered as removed.</b>   |
| 427       | RBH         | 2.16. Proven Track Record (PTR) |  | As you have asked PTR for CCTV and VMS. Same should be ask for access control system as Access control is critical component and require lot of intergradations like fire, intrusion and alarm.<br>1. Access Control system OEM shall have supplied & installed a minimum of 2000 Nos readers (RFID, biometric etc) in a single Project in India or globally successfully working for three years. User satisfactory certificate should also be submitted along with technical bid. | Tender terms shall prevail.   |
| 428       | RBH         | 5.1.2 Solution Overview         | Biometric (fingerprint) readers shall be installed for access to high-security zones, fitted with EM lock, within the court premises. A card reader & an emergency break-glass shall be provided inside the secured areas. The readers shall be connected to a controller using wiegand connectivity. The biometric template shall reside on the access card for 1:1 authentication. | Please clarify whether you want template on card or template stored on biometric controller. As in clause number 5.1.2.9 Access Control System shows template on controller.  | The biometric template shall reside on the access card for 1:1 authentication.                              |
| 429       | RBH         | 6.22. Biometric Controller      | Reader Inputs<br>Min 18 readers to be connected  | Having 18 readers inputs on a single controller is not advisable as it leads to single point of failure hence we request you to kindly amend this to standard 2 reader TCP/IP controller.   | The specifications are as per the Hon. Supreme Court guidelines in this regard. Tender terms shall prevail. |
| 430       | RBH         |                                 | Memory<br>Minimum 1000 personnel Records and scalable to 10000   | Since it is centralized system hence we request you to kindly increase the controller's memory user database minimum 30000 and offline transaction 30000 and upgradable. It should be for next 10-15 years operation.   | Tender terms shall prevail.   |

| Query No. | Bidder Name | Bid Ref. No.            | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting |
|-----------|-------------|-------------------------|---|---|--|
| 431       | RBH         |                         | Encryption 128-bit  | We request you to incorporate latest 256 bit encryption cyber security compliant in controller which is much safe and secure and avoid the any threat/hacking to the system. 128 Bit is old. Controller memory should be encrypted to make sure no data theft of user ID can be done.   | Tender terms shall prevail.              |
| 432       | RBH         |                         | Technology Compatibility Wiegand                            | We request you to kindly incorporate the latest wiegand and OSDP protocol. Any reader failure in system will automatically inform to central server. Only possible in OSDP not in wiegand. It also reduces the cable cost as it requires only 2 conductor wire cable.   | Tender terms shall prevail.              |
| 433       | RBH         |                         | Certifications UL/CE  | As We understand you have asked UL certification almost for the CCTV, EM locks, Readers etc But In access control it is an option. Hence request you to kindly write UL and CE. Following are the latest certification for ACS (UL ensure the best quality product globally )<br>1. UL294 latest version for access control system.<br>2. UL1076 for intrusion alarm system<br>3. EN 50130-4:2011, EN 55022:2010-Class A, | Tender terms shall prevail.              |
| 434       | RBH         | Suggestion -            |   | 1. Controller should have the operating temperature up to 70 deg C suitable to work in harsh environment.   | Tender terms shall prevail.              |
| 435       | RBH         | 6.23. Biometric Readers | Certifications UL/CE  | We request you to kindly incorporate more certification to ensure best quality of biometric reader.<br>"1. UL certified sensor, FCC, CE, EN,<br>2. IEC 60695-11-3 EN55022:2010 Fire and flameproof enclosure.<br>3. Since biometric is reader hence following UL94, UL746E, and UL758 for PCB, Enclosure and wires rugged and reliability test certificate."  | Tender terms shall prevail.              |
| 436       | RBH         |                         | LCD panel Monochrome Graphics supertwist LCD with backlight | Non display biometric is recommended for long term use and high public area. Green /red Led will show the authentication.   | Tender terms shall prevail.              |
| 437       | RBH         | Suggestion-             |   | 1. Biometric reader should be IP65 rated for weatherproof and outdoor operation.<br>2. It should be ruggedized unit suitable to work in harsh environment.<br>3. Operating temperature should be 55 to 60 deg C.  | Tender terms shall prevail.              |
| 438       | RBH         | 6.24. Card Readers      | Operating Temperature - 10° to 55 ° C                       | We request you to kindly increase the temperature range up to 65 Deg C.   | Tender terms shall prevail.              |

| Query No. | Bidder Name | Bid Ref. No.      | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting |
|-----------|-------------|-------------------|--|--|--|
| 439       | RBH         |                   | Environmental Rating IP65  | Since reader will be installed inside and outside both hence IP66 or more rating is recommended.   | Tender terms shall prevail.              |
| 440       | RBH         | 6.28. Smart Cards | Operating temperature - 10 degree C to 55 degree C and Operating Humidity 5% to 95% relative humidity non-condensing | We request you to keep Operating temperature up to 70 Deg C for best of result as card will be widely used on daily basis.   | Tender terms shall prevail.              |
| 441       | RBH         | Suggestion-       |  | There should be same make common unified software for Access Control, Video management system and alarm system for seamless integration and operation.   | Tender terms shall prevail.              |
| 442       | RBH         | Suggestion-       |  | Access Control Hardware such as Biometric readers, RFID readers, Controllers and Software should be of same make to make sure seamless integration and long term operation.  | Tender terms shall prevail.              |
| 443       | RBH         | Suggestion-       |  | Access Control should be integrated with CCTV system to record live events and alarms as defined by user policy.   | Tender terms shall prevail.              |
| 444       | RBH         | Suggestion-       |  | At every location there should be provision of Integrated security console (Like a mimic panel with RED and green LED light and button) for Guard room as guard is not computer literate.<br>1. With the help of this unit guard can monitor the access control door, intrusion alarm etc even if communication is down.<br>2. This works in standalone mode even if communication is fail to local or central server.<br>3. Guard can mark attendance by swiping rfid card installed with console.<br>4. Guard can speak to the control room via emergency communication unit which has got two way video communication facilities. | Tender terms shall prevail.              |
| 445       | RBH         | Suggestion-       |  | 1. Diagnostics Application- This is a basic application in any large system for fault reporting and management. Since system will have hundreds of IP based products i.e. controllers, readers, data switches, server's etc. diagnostic application online keep a watch on every critical device and update the person concerned in case of failure. It can also escalate the issue if rectification is not done in a specified time.  | Tender terms shall prevail.              |

| Query No. | Bidder Name                       | Bid Ref. No.  | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting   |
|-----------|-----------------------------------|---|--|--|--|
| 446       | S2 Infotech International Limited | 2.15.5 Eligibility Prequalification Criteria                | The bidder should have experience of executing at least one (1) project for the implementation of Video Surveillance System of value more than Rs. 50.4 Crore during the last 3 years from the date of publication of the tender | We request for relaxation of the clause; This is a restrictive clause and has no qualitative evaluation impact on the overall delivery capability of the bidder  | Tender terms shall prevail.  |
| 447       | S2 Infotech International Limited | 2.16.1.1 Eligibility Prequalification Criteria – OEM camera | The camera OEM shall have supplied & installed a minimum of 2000 IP cameras in a single project in India since the last three years ending last day of the month previous to the one in which tender is invited.                 | We request for the following change “ The camera OEM shall have supplied & installed a minimum of 2000 IP cameras in a single project in globally ) since the last three years ending last day of the month previous to the one in which tender is invited. Global players keen to participate who along with their partners qualify in all techno functional criterion are able to participate and we have multiple criterion in the RFP which de risk the project from implementation and support criterions ; hence opening up the clause will only ensure correct techno commercial discovery to the benefit of the end user and ensure productive utilization of public funds | Global experience shall be acceptable.   |
| 448       | S2 Infotech International Limited | 2.16.3 Eligibility Prequalification Criteria – OEM camera   | The camera OEM should be operating in India for the last three years & should have an Installation base of more than 10000 cameras in India.   | We request for the following change “ The camera OEM should be operating in India for the last three years and The clause “should have an Installation base of more than 10000 cameras in India.” should either be deleted or global reference be allowed; We respectfully submit this clause is restricting the selection to few legacy makes and does not allow certain global leaders who may have recently come into India to participate without adding any significant value from a capability evaluation perspective  | Tender terms shall prevail.  |
| 449       | S2 Infotech International Limited | Page No 43/106 and 48/106                                   | Image sensor   | The image sensors of cameras of similar resolution may kindly be standardized; This helps in optimization and value benefit to the end user  | The tender specifies non-uniform sensor sizes for different types of cameras. The same is being standardised as "Sensor size of 1/3" or better" without affecting the specified light sensitivity. |

| Query No. | Bidder Name                               | Bid Ref. No.   | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting  |
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| 450       | S2 Infotech International Limited         | Page No 43/106   | Certification and housing IP67   | IP 66 or better may be permitted; Optimal recommended configuration and will also standardize for camera of similar formats and resolution  | Please refer to Section 5.1.2.13 of the tender document in this regard.   |
| 451       | S2 Infotech International Limited         | Technical Specifications 6.1 Fixed Out Door Camera                         | Audio I/O  | Delete Please; This has no functional productive use in the environment of implementation and is a cost over load ``and will also standardize for camera of similar formats and resolution  | The Audio Input is required for the Courtroom Panoramic cameras. Tender terms shall prevail. Bidders can propose external I/O (with all the necessary ports/ power supply & wiring) if the camera doesn't support the same. |
| 452       | S2 Infotech International Limited         | Page no 46/106   | Wide dynamic range True WDR 100dB or equivalent or better  | We request for 85dB and higher to be accepted; A good true WDR solution with Image enhancement technology gets the same functional benefit at a lesser cost and ensure saving of public funds at no compromise of functional utility  | Tender terms shall prevail.   |
| 453       | Samarth Security Systems (India) Pvt. Ltd | DFMD Specification s: Clause 6.25 on Page no. 70 of BID DOCUMENT – PART I, | “Shall be integrated with the VMS in such a manner that the detection data (sensitivity, Threshold, Metal level percentage and zone no. with threshold crossed) should be tagged with the video/snapshot as an audit trail.” | As OEM of DFMD, we will provide an IP port on our DFMD. We request you i.e The System Integrator to make provision of one VMS license (ONVIF compliant) per DFMD and the requisite network switch (one port per DFMD ) and the laying of necessary CAT 6 cabling upto our DFMD, where ever it is installed. | Bidders are required to take into account the additional ports & licenses while designing/ proposing a solution. MPHC shall neither be required to pay any extra charge nor make any provisions for the same at its cost.   |
| 454       | Samarth Security Systems (India) Pvt. Ltd | General query  |  | Please clarify the infrastructure to the switch, ups, cat 6 etc. is in SI Scope or not?   | Yes. All the provisions shall be in SI's scope of job.  |

| Query No. | Bidder Name  | Bid Ref. No. | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting  |
|-----------|--------------|--------------|---|--|---|
| 455       | Siemens Ltd. | Page 17      | 3.2. PERFORMAN CE GUARANTEE : The Successful Bidder will be required to furnish performance guarantee in the form of unconditional Bank Guarantee issued by a Nationalized / Scheduled Bank in India of amount equivalent to 5% of the Capital Value valid for a period of 84months within 15 days from the date of contract. | We request you to change the Bank Guarantee clause to: The Successful Bidder will be required to furnish performance guarantee in the form of unconditional Bank Guarantee issued by a Nationalized / Scheduled Bank in India of amount equivalent to 5% of the Capital Value valid for a period of 24months within 15 days from the date of contract. This is because CAMC BG clause is already covered under clause 5.3.10 | The clause shall be read as "3.2. PERFORMAN CE GUARANTEE : The Successful Bidder will be required to furnish performance guarantee in the form of unconditional Bank Guarantee issued by a Nationalized / Scheduled Bank in India of amount equivalent to 5% of the Capital Value valid for a period of 36 months within 15 days from the date of contract. " |

| Query No. | Bidder Name  | Bid Ref. No. | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting |
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| 456       | Siemens Ltd. | Page 18      | <p>3.5. PAYMENT TERMS : For the supply, installation, commissioning, testing, training and warranty of items &amp; system as per tender and post-warranty comprehensive Annual Maintenance Contract for 48 months (Note: Payments will be made in Indian Rupees only)</p> <p>a. 60% of total price against delivery of all the equipment at the site. b. 20 % of total price against successful Installation of the system. c. 20% against successful commissioning &amp; UAT For CAMC - Quarterly prorata payment of finalized CAMC amount will be made after successful completion of period of respective post warranty CAMC.</p> | <p>We request you to change the payment terms to:</p> <p>a. 70% of Prorata Phase wise against delivery of all the equipment at the site.<br/> b. 20% of Prorata phase wise against successful Installation of the system.<br/> c. 10% Prorata phase wise against successful commissioning &amp; UAT</p> | Tender terms shall prevail.              |

| Query No. | Bidder Name  | Bid Ref. No. | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting   |
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| 457       | Siemens Ltd. | Page 19      | 3.9. LIQUIDATED DAMAGES : If the Bidder fails to deliver any or all of the equipment or to perform the services within the time period(s) specified in tender, the Registrar General, High Court of Madhya Pradesh shall without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to the 1% of the contract price for every week (seven days) or part thereof of delay, up to maximum deduction of 10% of the contract price. Once the maximum is reached, the Registrar General, High Court of Madhya Pradesh may consider termination of the contract. | We request you to change this clause to: If the Bidder fails to deliver any or all of the equipment or to perform the services within the time period(s) specified in tender, the Registrar General, High Court of Madhya Pradesh shall without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to the 0.5% of the delayed portion for every week (seven days) or part thereof of delay, up to maximum deduction of 5% of the contract price. Once the maximum is reached, the Registrar General, High Court of Madhya Pradesh may consider termination of the contract. | The clause shall be read as " If the Bidder fails to deliver any or all of the equipment or to perform the services within the time period(s) specified in tender, the Registrar General, High Court of Madhya Pradesh shall without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to the 1% of the contract price for every week (seven days) or part thereof of delay, up to maximum deduction of 5% of the contract price. Once the maximum is reached, the Registrar General, High Court of Madhya Pradesh may consider termination of the contract. |

| Query No. | Bidder Name  | Bid Ref. No. | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting  |
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| 458       | Siemens Ltd. |              | Limitation of Liability:<br>Tender is silent on Limitation of Liability | We request you to cap the Overall vendor liability under this contract to the maximum of 10% of the contract value. | The successful bidder (its partners, directors, staff, agents and associates) shall not be liable for any losses, damages, costs or expenses arising out of this engagement save in so far as they are and have been determined to have been directly and wholly caused by default of the successful bidder and in such circumstances the aggregate liability of the successful bidder shall be limited to an amount not more than the total fees actually payable by the principal for this engagement, but how ever there shall be no such limitation in case of misconduct or negligence of the Successful Bidder. |

| Query No. | Bidder Name  | Bid Ref. No. | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting                      |
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| 459       | Siemens Ltd. | Page 13      | 2.16.2 C4i& VMS OEM<br>1. The Security Management System OEM should have installed the solution in at least 3 Government Projects in India in the last three years ending last day of month previous to the one in which tender is invited. A declaration to this effect shall be produced clearly stating the make and model number/s of the solution and the duration of the installation | We request for the acceptance of global references of the product  | The experience in Government/private is acceptable.           |
| 460       | Siemens Ltd. | Page 13      | 2.16.2 C4i& VMS OEM<br>2. The Security Management System OEM should have installed the solution in at least one multi-site (at least 200 state or nation-wide locations) integrated project in India.   | We request for the removal of this clause for VMS OEM  | Security Management System shall mean the C4i/ PSIM software. |
| 461       | Siemens Ltd. | Page 56      | 6.16. VMS/ IVA Software<br>Multi-level storage: should support multilevel storage (live recording on primary disk, archiving on secondary, and so on) should delete video after configurable duration   | We request you to mandate multi stage archiving with different resolution and FPS which would help to save the storage capacity. | Tender terms shall prevail.                                   |

| Query No. | Bidder Name  | Bid Ref. No. | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting   |
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| 462       | Siemens Ltd. | Page 58      | 6.16. VMS/ IVA Software Option of remote viewing and control over any android handheld to keep updated while in the field  | Please add the features in VMS that android mobile should be able to push the video to VMS system and therefore can act as a video management camera. This would be very beneficial for operations to pause and record the videos in areas where cameras are not available | Tender terms shall prevail.  |
| 463       | Siemens Ltd. | Page 60      | 6.16. VMS/ IVA Software shall offer a Maps application for importing maps, creating maps, linking maps, editing maps which enables a user to integrate interactive maps in the system.     | Please clarify if offline maps needs to be integrated?   | Yes. The software shall have a capability to integrate offline maps as well.   |
| 464       | Siemens Ltd. | Page 59      | 6.16. VMS/ IVA Software should be jointly and simultaneously able to manage video analytics and video management as one product  | We request you to allow edge analytics or different video analytics software than VMS.IVA software OEM would certify that VMS would be integrated. In this manner we would be able to achieve more features & accuracy   | IVA can be either on the server or on the edge. The VMS & IVA can be different products but VMS should be able to manage VA & video management as one product. |
| 465       | Siemens Ltd. | Page 60      | 6.16. VMS/ IVA Software shall provide a Forensics software application that detects past and real-time security events using stored forensics data collected from surveillance video feeds | Kindly elaborate the scope. Will third party application/software be permitted to meet the functional requirement  | The scope is as defined in the clause. Any third-party software can be used to achieve the functionality but should be managed / integrated by/with the VMS.   |

| Query No. | Bidder Name  | Bid Ref. No. | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting   |
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| 466       | Siemens Ltd. | Page 23      | 5.1.2 Solution Overview Perimeter Intrusion Detection System   | Same system has not been asked in tender BoQ. Operation training for PIDS also has been asked. Pls. clarify this point. | The new court buildings have a well designated perimeter wall. It is proposed to establish a PIDS based on IVA wherever the site conditions permit, currently or in future. The feasibility of such implementation shall be discussed & finalized with the selected bidder.  |
| 467       | Siemens Ltd. | Page 26      | The metal detection data shall be tagged to the video of the person entering the frame for the purpose of audit trail. | Kindly elaborate the scope  | The DFMD shall provide a video of the persons entering along with the metal detection data. The same shall be available / recorded & managed by the VMS in an integrated manner. Bidders are advised to consider the connectivity with the DFMD & software licenses, if any, to achieve this functionality. The VMS quantity mentioned in the BOQ does not include the DFMD camera licenses nor any network ports & it shall be the responsibility of the bidder to include the same in the proposal cost. |

| Query No. | Bidder Name  | Bid Ref. No. | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting  |
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| 468       | Siemens Ltd. | Generic      | VMS/IVA.  | No of cameras with analytics has been mentioned in the BoQ but no hardware for VA server at each site. Please specify the hardware requirements                   | The server quantity is an indicative minimum in N+N configuration. Bidders are required to arrive at their own quantities (in N+N configuration) based on their proposed solution architecture. |
| 469       | Siemens Ltd. | Page 78      | 6.36. C4i Software<br>The C4i Software, VMS & IVA should work in an integrated manner as a single product & should preferably be from the same OEM. | We request you to please allow different oem for different systems  | The clause does not stipulate a software solution from a single OEM.  |
| 470       | Siemens Ltd. | Page 79      | 6.36. C4i Software<br>Shall support Hindi Language  | We request you to please clarify, Is the hindi language required only for SOPs or C4i should support hindi?   | The user documents/ reports like SOPs incident reports etc. should be in Hindi.   |
| 471       | Siemens Ltd. | Page 79      | Support for HINDI language in C4i SOFTWARE:   | We request removal of this clause   | Tender terms shall prevail.   |
| 472       | Siemens Ltd. | Page 81,82   | 3D Interactive GIS  | Our request is to amend this clause as "The C4i shall provide both 2D OR 3D display that provides situational awareness of all sensors, personnel and alarms.     | The tender asks for 2D / 3D interactive GIS data support.   |
| 473       | Siemens Ltd. | Page 81      | Support for Twitter, Google Talk  | We request removal of this clause as Centralized command should not be having internet and can not be connected with social media. Please clarify the use cases . | The solution should have a strong messaging engine for all current/ future applications, including effective use for social media platforms.  |

| Query No. | Bidder Name  | Bid Ref. No. | Bid Condition                                  | Query   | MPHC Response / Reply of pre-bid meeting  |
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| 474       | Siemens Ltd. | Page 89      | Visio like GUI                                 | We request removal of this clause   | Bidders may propose alternates/ equivalents to meet the functionality. Any intuitive, graphical, simple & hierarchical GUI shall be acceptable.   |
| 475       | Siemens Ltd. | Page 89      | Alarm Policies & Business Logic Administration | Bidder understand that operator is able to defined the alarm policy in the system. GUI based logic should be removed as this clause is some OEM specific.   | The system shall have an ability to create an alarm policy to raise alarm in the C4I system by defining conditions through configurable GUI-based business logic designer. It means that it should be easier for the user to define the policy using GUI-based graphical designer |
| 476       | Siemens Ltd. | Page 89      | Configurable GUI based business logic designer | Bidder understand that operator could able to defined the alarm policy in the system. GUI based logic should be removed as this clause is some OEM specific | The system shall have an ability to create an alarm policy to raise alarm in the C4I system by defining conditions through configurable GUI-based business logic designer. It means that it should be easier for the user to define the policy using GUI-based graphical designer |
| 477       | Siemens Ltd. | Page 26      | Biometric Devices                              | Please clarify the contradiction. TOC with 1:1 authentication is mentioned TOD with 1:N authentication is mentioned in page 30                              | The biometric template shall reside on the access card for 1:1 authentication.  |

| Query No. | Bidder Name      | Bid Ref. No. | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|------------------|--------------|---|---|---|
| 478       | Siemens Ltd.     | Page 30      | 5.1.2.8 Complete Ownership of Network will be of MPHC | Please clarify all the scope of network.  | The scope of networking is explained in various sections of the tender document.  |
| 479       | Siemens Ltd.     | Page 29      | 5.1.2.8 Point 2 NMS                                   | Please clarify the scope.   | Please refer to Section 6.40 for details.   |
| 480       | Siemens Ltd.     | Page 79      | PLAYBACK in C4i                                       | Kindly elaborate the scope. If simple playback is acceptable ?  | The C4i system should have an in-built functionality to manage/ restrict/ allow Playback/ export of archived video for the selected cameras & selected time period only with permission from High Court. System shall be equipped with automated workflows, with configurable hierarchies/escalation matrices to achieve the functionality. |
| 481       | Siemens Ltd.     | Page 37      | The FM resources should be on the bidders' payroll    | We request for the approval of on lease employees maintaining the quality of work and ensuring proper response by FM resources shall be bidders responsibilities. As it is practically not possible for a multinational company to hire 53 resources on roll for a single project   | Tender terms shall prevail.   |
| 482       | Sky Con Services |              |   | With reference to the above mentioned tender for supply of Integrated Video Surveillance System, we believe that the tender is biased towards one vendor only. Since this tender involves installation in highly sensitive buildings like High Court and Subordinate Court premises the tender should have taken into consideration CCTV camera OEM who has large team in India with sales, service and technical support all present in India. | This is an unsubstantiated comment not deserving any response. The specifications are as per the Hon. Supreme Court guidelines.   |

| Query No. | Bidder Name      | Bid Ref. No. | Bid Condition | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|------------------|--------------|---------------|---|---|
| 483       | Sky Con Services |              |               | Also the type of camera proposed in the tender is over specked and will increase the price many times than required. 5MP dome, bullet and fixed camera and 20MP panoramic cameras are not required but 2MP cameras will suffice your requirement and reduce your cost by almost half.   | Tender terms shall prevail. The rationale for using panoramic cameras is <b>a)</b> no blind spots <b>b)</b> 180 Deg Coverage, including identification at a radial distance of minimum 25 meters <b>c)</b> Lesser VMS licenses <b>d)</b> Lesser Ethernet Ports resulting in further saving. |
| 484       | Sky Con Services |              |               | It clearly shows that the tender is made to favour one particular vendor only. We request you to review the tender in completeness to take a more open approach so that all major global cameras OEM can participate in this precious project.  | This is an unsubstantiated comment not deserving any response. The specifications are as per the Hon. Supreme Court guidelines.   |
| 485       | Sky Con Services |              |               | Specific Requirements: Bidder and OEM of CCTV Camera and VMS should not have been blacklisted/ banned/ declared ineligible/ declared having dissatisfactory performance by any government/ quasi-government authority in India for supply of materials/ carrying out operations and maintenance work anytime during last 3 years.; Documents Required: An undertaking by an authorized signatory of the company needs to be submitted in this regard. | Tender terms shall prevail.   |
| 486       | Sky Con Services |              |               | <b>The proposed camera OEM should have following:</b> OEM of CCTV system must not be from countries in the list of "countries of concern" of Indian government.; Documents Required: Declaration to be submitted for the same   | Tender terms shall prevail.   |
| 487       | Sky Con Services |              |               | Direct presence in India for more than 5 years as on the bid submission date(not as joint venture, partnership firms or through any other association) ; Documents Required: Camera OEM should submit a declaration letter along with letter of incorporation confirming the same.  | Tender terms shall prevail.   |

| Query No. | Bidder Name      | Bid Ref. No. | Bid Condition | Query   | MPHC Response / Reply of pre-bid meeting |
|-----------|------------------|--------------|---------------|---|--|
| 488       | Sky Con Services |              |               | Own RMA setup in India for last 3 years from the date of submission of bid (not as joint venture, partnership firms or through any other association); Documents Required: OEM's Service tax registration document clearly mentioning service tax no. to be given as proof.   | Tender terms shall prevail.              |
| 489       | Sky Con Services |              |               | CCTV camera OEM must have supplied and executed min. 1000 IP CCTV Camera in any CCTV surveillance system project (Either directly by OEM or SI) in Govt./ Semi Govt./PSU organization across India in last 03 years ending on the tender floating date.; Documents Required: Copy of work order & work completion certificate of the Project duly certified by client shall be enclosed by bidder.  | Tender terms shall prevail.              |
| 490       | Sky Con Services |              |               | OEM of CCTV camera must be ISO 9001: 2008 certified.; Documents Required: Documentary proof should be submitted   | Tender terms shall prevail.              |
| 491       | Sky Con Services |              |               | The MAC address of the IP cameras must be registered in the name of OEM supplying the cameras.; Documents Required: Proof to be provided by the OEM   | Tender terms shall prevail.              |
| 492       | Sky Con Services |              |               | The OEM of CCTV camera should have at least 1000 employees on its payroll in India. Any OEM which is part of a larger group company but meeting the 1000 employee criterion is also eligible. This is to justify that CCTV OEM has made investment in India and is serious about its business in India which will ensure long term after sales support and spare support from the OEM. ; Documents Required: Declaration letter from the HR to be submitted along with the bid. | Tender terms shall prevail.              |
| 493       | Sky Con Services |              |               | CCTV camera and VMS for the project should be from the same OEM to ensure seamless integration and single point of contact of ownership from the CCTV OEM. ; Documents Required: Undertaking Letter with product details to be submitted along with the bid.  | Tender terms shall prevail.              |
| 494       | Sky Con Services |              |               | The CCTV OEM should have its toll free number in India for any technical support query from the SI or end customer which is very much required for such a big project.; Documents Required: Toll free nos should be mentioned in the manufacturer's authorization letter and submitted along with the bid.  | Tender terms shall prevail.              |

| Query No. | Bidder Name | Bid Ref. No.               | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting   |
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| 495       | TCIL        | 2.9 ONLY ONE BID PER PARTY | ONLY ONE BID irrespective of whether he is the sole bidder, or the Leader or Member of a duly formed JV or Consortium. | It is requested that as per Pre-Bid meeting discussion, CONSORTIUM BID should be allowed so as to enable Wider and Competitive participation in the Tender. Further, No of Consortium Partner(s) may be specified. | Consortium bids of maximum two members shall be allowed. The prequalification can be shared amongst the members of the consortium. The lead bidder has to be an Indian Company. <b>The turnover &amp; the experience criteria cannot be divided amongst the consortium members. The criterion / qualification shall be possessed by a single member.</b> |

| Query No. | Bidder Name | Bid Ref. No. | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|--------------|--|---|---|
| 496       | TCIL        |              | Limitation of Liability has not been defined or specified in the Tender. | Limitation of Liability, if any may be specified. | The successful bidder (its partners, directors, staff, agents and associates) shall not be liable for any losses, damages, costs or expenses arising out of this engagement save in so far as they are and have been determined to have been directly and wholly caused by default of the successful bidder and in such circumstances the aggregate liability of the successful bidder shall be limited to an amount not more than the total fees actually payable by the principal for this engagement, but how ever there shall be no such limitation in case of misconduct or negligence of the Successful Bidder. |

| Query No. | Bidder Name | Bid Ref. No.   | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting                      |
|-----------|-------------|--|---|--|---|
| 497       | TCIL        | 2.15. ELIGIBILITY/PREQUALIFICATION CRITERIA Sl. No.5 | The Bidder should have experience of executing at least ONE (1) project for the implementation of Video Surveillance System of value more than Rs 50.4 Cr during the last 3 Years from the date of publication of the Tender. | Since IVSS Project Implementation in India is not very old and Value of Implemented Projects normally are smaller compared to what has been asked in this tender and takes little more time for Completion, it is requested to amend the PQ as below as discussed during Pre-Bid:<br>1. In case of last 3 years, On-going projects should also be considered. Else, in case of Completed Projects, last 7 years Projects should be considered.<br>2. At least 3 Projects worth Rs 20 Cr (40% of asked Rs 50.4 Cr), each more than Rs 6.5 Cr IVSS Project Experience should be considered so as to enable Wider and Competitive bidding that will be beneficial to the Purchaser. | Tender terms shall prevail.                                   |
| 498       | TCIL        | 2.16.1 Camera OEM Sl. No. 1                          | The camera OEM shall have supplied & installed a minimum of 2000 IP cameras in a single project in India since the last three years.  | Supply of 2000 IP Cameras in Single Project may be reduced to 1000 Qty. The Supply can be in India or Abroad excluding the Country of Manufacture.   | <b>Global experience shall be acceptable.</b>                 |
| 499       | TCIL        | 2.16.1 Camera OEM Sl. No.2                           | The camera OEM should have supplied cameras in Government Projects such as places of high security such as seaports, airports, defense infrastructure or city surveillance projects.  | Both Government and Private Projects may be allowed.   | <b>Both Government/ Private projects shall be considered.</b> |
| 500       | TCIL        | 2.16.1 Camera OEM Sl. No.3                           | The camera OEM should be operating in India for the last three years & should have an installation base of more than 10000 cameras in India.  | The camera OEM should be operating in India for the last three years & should have an installation base of more than 5000 cameras in India.  | Tender terms shall prevail.                                   |

| Query No. | Bidder Name | Bid Ref. No.                          | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting |
|-----------|-------------|---------------------------------------|--|---|--|
| 501       | TCIL        | 2.16.2<br>C4i& VMS<br>OEM<br>Sl. No.2 | The Security Management System OEM should have installed the solution in at least ONE Multi-Site (at least 200 State or Nation-Wide locations) integrated project in India   | The Security Management System OEM should have installed the solution in at least ONE Multi-Site (at least 200 State or Nation-Wide locations) integrated project in India and Abroad should be accepted.   | Global experience shall be acceptable.   |
| 502       | TCIL        | 2.16.3<br>IT Hardware<br>OEM          | Servers, Storage Systems, Workstations & other IT hardware proposed should be from OEMs who are amongst the top 5 for World-wide Market share in terms of Revenue as per Gartner / IDC latest published quarterly report.  | Servers, Storage Systems, Workstations & other IT hardware proposed should be from OEMs who are amongst the top 10 for World-wide Market share in terms of Revenue as per Gartner / IDC latest published quarterly report should be accepted.   | Tender terms shall prevail.              |
| 503       | TCIL        | 2.16.4<br>Networking Equipment<br>OEM | All networking switches proposed should be from OEMs who are amongst the top 5 for World-wide Market share in terms of Revenue as per IDC / Similar organization's latest published quarterly report / presence in the latest Magic Quadrant by Gartner, published prior to the date of the tender publication | All networking switches proposed should be from OEMs who are amongst the top 10 for World-wide Market share in terms of Revenue as per IDC / Similar organization's latest published quarterly report / presence in the latest Magic Quadrant by Gartner, published prior to the date of the tender publication should be accepted. | Tender terms shall prevail.              |

| Query No. | Bidder Name | Bid Ref. No.                                    | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting   |
|-----------|-------------|---|--|--|--|
| 504       | TCIL        | 3.2. PERFORMANCE GUARANTEE                      | 5% of the Capital Value  | 1. Capital value may be defined<br>2. Since PBG for AMC period is required to be submitted separately before expiry of warranty, validity of this Performance Guarantee should be reduced from 84 months to till expiry of Warranty. | 1. Capital value is a sum total of Parts A, B, C, D & E of the BoQ & shall not include the Operating Expenses, namely, the FM Charges, Recurring Charges & the CAMC charges.<br><b>2. The validity of PBG shall be 36 months instead of 84 months.</b> |
| 505       | TCIL        | 5.3.6 Warranty Service Level Requirements – SLA | 2. For first 03 years preventive maintenance is to be carried out on yearly basis and thereafter the preventive maintenance is to be carried out 06 monthly basis and when required by the High Court. | Clarification required since Warranty period is only for 1 year  | Tender terms shall prevail.  |
| 506       | TCIL        | 4.6 Implementation Phases Sl. No. 2             | Stage-I<br>Stage-II<br>&<br>Stage-III  | Entire Project should be awarded to the Client at the Starting of the Project and Vendor should be allowed to implement the Project (Stage-I, II & III) simultaneously.  | The implementation strategy may be modified by MPHC & MPHC reserves the sole right in this regard. Simultaneous implementation or overlaps may be considered.  |
| 507       | TCIL        | 5.3.6 Warranty Service Level Requirements – SLA | 5. The various Service Level Requirements and related penalties for default are given below:   | Event may be defined for both High and Low Severity Category   | High Severity events shall be<br><b>a)</b> complete system or network breakdown<br><b>b)</b> more than 30% cameras are non-functional while all other events would be categorized as Low Severity Events.  |

| Query No. | Bidder Name | Bid Ref. No.                    | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|---------------------------------|--|---|---|
| 508       | TCIL        | Data Centre Core Infrastructure | Intelligent 42U Network Rack (4 racks solution) x 2                                | No Specification in RFP for Mini Data Center for Command Control Center for housing Servers and Storage with cooling power, security. Request to add min specs. | Data Center Specifications are part of the CR Infrastructure.   |
| 509       | TCIL        | 6.1. Outdoor Fixed Camera       | Image Sensor : 1/2" Progressive scan HD CMOS                                       | Request to amend " 1/2.7 or "1 /2.8" or as per Industry standards.  | The tender specifies non-uniform sensor sizes for different types of cameras. The same is being standardized as "Sensor size of 1/3" or better" without affecting the specified light sensitivity.  |
| 510       | TCIL        | 6.1. Outdoor Fixed Camera       | Certification: The System Shall be ROHS, WEEE, ISO14001, & REACH Compliant.        | The System shall be ROHS/WEEE/ISO-14001/REACH Compliant.  | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder. |
| 511       | TCIL        | 6.1. Outdoor Fixed Camera       | Auto detection & configuration - All proposed cameras should be from single OEM.   | Request you to accept-Camera should be from mixed OEM.  | The panoramic cameras can be proposed from a different OEM.   |
| 512       | TCIL        | 6.2. Outdoor Panoramic Camera   | Quality Image-Minimum 5-megapixel progressive scan HD CMOS (Per Lens); Should have | Minimum 3 MP with minimum 4 lenses/Sensor.  | Tender terms shall prevail.   |

| Query No. | Bidder Name | Bid Ref. No.                  | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|-------------------------------|---|--|---|
| 513       | TCIL        | 6.2. Outdoor Panoramic Camera | Outdoor Panoramic Camera  | This requirement is OEM specific to only one OEM. Request you to reframe the technical specification.  | Outdoor Panoramic Cameras are available with multiple OEMs & the same has been duly verified. |
| 514       | TCIL        | 6.22 Biometric Controller     | Battery Back-up – 5 Hours   | Battery Back-up – 5 Hours (Both In-built & External) should be accepted.   | Both in-built/ External battery back-up is acceptable.  |
| 515       | TCIL        | 6.32 Video Wall               | Video Wall Controller Display Controller to control up to 12 Panels, with required outputs, in any matrix combination; Capable of taking universal/multiple inputs (>10) & outputs for video/data along with necessary wall management software; Dual Gigabit Ethernet Ports with support for additional adapters; 4-DVID/ HDMI Outputs; Support for Full HD resolution at full frame rate for all panels; Intel Xeon i7 64-bit processor with 16GB RAM; 1 TB HDD | As per the latest technology available, the clause shall be amended as Video wall controller : Capable of taking Universal / Multiple Inputs > 6 | Tender terms shall prevail.   |
| 516       | TCIL        | 6.32 Video Wall               | Video Wall Monitor, General Very narrow & black bezel (<3mm) CCTV Monitor suitable for continuous (24x7x365) use with MTBF of more than 80,000 Hrs;   | As per the latest technology available, the clause shall be amended as Very narrow Bezel 1mm or Better   | Shall be read as "General Very narrow & black bezel (<1mm) CCTV Monitor"                      |
| 517       | TCIL        | 6.32 Video Wall               | Certifications – UL,FCC,CE  | Kindly amend as BIS /UL/FCC/CE   | Tender terms shall prevail.   |

| Query No. | Bidder Name | Bid Ref. No.                  | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|-------------------------------|--|---|---|
| 518       | TCIL        | 6.4. Indoor Fixed Dome Camera | Quality Image- Minimum 5 megapixels progressive scan HD CMOS.  | Request you to advice on image sensor size to get 5 MP Resolution.                                    | The tender specifies non-uniform sensor sizes for different types of cameras. The same is being standardised as "Sensor size of 1/3" or better" without affecting the specified light sensitivity.  |
| 519       | TCIL        | 6.4. Indoor Fixed Dome Camera | OEM-All proposed cameras should be from single OEM   | Request you to accept-Camera should be from mixed OEM   | The panoramic cameras can be proposed from a different OEM.   |
| 520       | TCIL        | 6.4. Indoor Fixed Dome Camera | Certification- The system shall be ROHS, WEEE, ISO -14001 and REACH compliant                                | The System shall be ROHS/WEEE/ISO-14001/REACH Compliant   | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder. |
| 521       | TCIL        | 6.5. Indoor Panoramic Camera  | Quality Image- Minimum 5-megapixel progressive scan HD CMOS (Per Lens); Should have minimum 4 lenses/sensors | Minimum 3 MP with minimum 4 lenses/Sensor   | Tender terms shall prevail.   |
| 522       | TCIL        | 6.5. Indoor Panoramic Camera  | Indoor Panoramic Camera  | This requirement is OEM specific to only one OEM. Request you to reframe the technical specification. | Indoor Panoramic Cameras are available with multiple OEMs & the same has been duly verified.  |

| Query No. | Bidder Name | Bid Ref. No.  | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|---|--|---|---|
| 523       | TCIL        | 6.5. Indoor Panoramic Camera                            | Certification- The system shall be ROHS, WEEE, ISO -14001 and REACH compliant  | The System shall be ROHS/WEEE/ISO-14001/REACH Compliant   | In case of specific non-compliance in ROHS, WEEE, ISO14001, & REACH certifications for cameras, if the requirement is met by the system/solution or equivalent certification, the same shall be acceptable. However, the onus of meeting such compliance or proving the equivalence lies on the bidder. |
| 524       | TCIL        | 6.6 ANPR Camera   | Detection-100% Recognition of Number Plates- More than 90%   | Detection-100% Recognition of Number Plates- More than 90% for Standard License Plates  | The parameters provided are considering standard number plates.   |
| 525       | Technosys   | 2.15. ELIGIBILITY/ PRE-QUALIFICATION CRITERIA, point -2 | The average annual turnover of the firm should be at least Rs. 126 Crore during the last three consecutive financial years. (i.e. 2017-2018, 2016-2017, 2015-2016) | The cumulative annual turnover of the firm should be at least Rs. 126 Crore during the last three consecutive financial years. (i.e. 2017-2018, 2016-2017, 2015-2016)<br>Justification: 1.As per CVC guidelines the average annual turnover is 30% of the total cost , Present clause gives benefit to specific big firms due to which competitive edge will be lost and the client will be unable get the competitive price and optimum solution 2. Project Cost - 126 Cr 60% of the capex - 75.6 Cr Project execution Time - 2 Years Per Year Cost - 37.8 Cr Hence the turnover is too high | Tender terms shall prevail.   |

| Query No. | Bidder Name | Bid Ref. No.  | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting |
|-----------|-------------|---|---|--|--|
| 526       | Technosys   | 2.15. ELIGIBILITY/ PRE-QUALIFICATION CRITERIA, point -4 | The bidder shall have experience in successfully implementing at least One (1) completed similar work of the value of at least Rs.100.8crores OR Two (2) completed similar works of atleast Rs. 63crore each OR Three (3) completed similar works of at least Rs. 50.4 cores each "Similar work" is defined as the supply, installation and commissioning of an Integrated Video Surveillance System or Wide Area Networking System, carried out within seven years from the last day of the month previous to the one in which tender is invited, through a single work order. | The bidder shall have experience in successfully implementing at least One (1) completed similar work of the value of at least Rs.30 crores OR Two (2) completed similar works of at least Rs. 18 crore each OR Three (3) completed similar works of at least Rs. 15 crores each "Similar work" is defined as the supply, installation and commissioning of an Integrated Video Surveillance System or Wide Area Networking System, carried out within seven years from the last day of the month previous to the one in which tender is invited, through a single work order. Justification: As per CVC guide lines Project estimated Cost - 126 Cr 60% of the capex value - 75.6 Cr Project execution Time - 2 Years Per Year work need to executed - 37.8 Cr By seeing the above facts the experience asked is too high thus we request you to dilute the clause As Per guidelines 3 work orders of 40% of per year work cost 2 work orders of 50 % of per year work cost 1 work orders of 80 % of per year work cost | Tender terms shall prevail.              |
| 527       | Technosys   | 2.15. ELIGIBILITY/ PRE-QUALIFICATION CRITERIA,          | Addition  | The Bidder shall have successfully executed projects in last five (5) years (excluding civil work): Each project should include the following components from below list- 1) Central Command Control Software with multi city level connectivity 2) Data Center/ Data Recovery 3) Network/LAN/WAN with more than 50 locations The cumulative value of projects should not be less than 10 Cr Justification: As C4I involves a huge stack and expertise and by considering this RFP C4I plays a major role hence by seeing the size of the project , we advise to add the experience for the C4I  | Tender terms shall prevail.              |

| Query No. | Bidder Name | Bid Ref. No.   | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting   |
|-----------|-------------|--|---|--|--|
| 528       | Technosys   | 2.15. ELIGIBILITY/ PRE-QUALIFICATION CRITERIA, point Sno. -5 | Addition  | The bidder should have minimum 1 CCTV project in any court campus in INDIA value not less than 10 Cr; Justification: Implementation in the court is very challenging from other place, hence working in this type of condition for such a big scale project requires experience and capabilities thus we would recommend to add the court/ Secured campus CCTV implementation experience for smooth and timely execution | Tender terms shall prevail.  |
| 529       | Technosys   | 2.15. ELIGIBILITY/ PRE-QUALIFICATION CRITERIA,               | Addition  | The bidder should have minimum 1 project of CCTV ,HHMD, DFMD and access control system implementation in any court campus in INDIA value not less than 10 Cr; Justification: After studying the RFP the requirement is for integrated security systems along with the CCTV ,HHMD, DFMD and access control system but you not asked this experience in RFP  | Tender terms shall prevail.  |
| 530       | Technosys   | 2.15. ELIGIBILITY/ PRE-QUALIFICATION CRITERIA,               | Addition  | The bidder shall have the following: - i. ISO 9001:2008 / 9001:2015 / CMMi Level - 3 ii. ISO/IEC 27001:2013 for Information Security Management System or equivalent certification iii. ISO/IEC 20000-1:2011/ ISO/IEC 20000-1:2018 for IT Service Management or equivalent certification; Justification: For ensure quality services, security and safety provided please add the clause                                 | Tender terms shall prevail.  |
| 531       | Technosys   | 5.3.6 Warranty Service Level Requirements – SLA              | 1. Service Hours and Preventive Maintenance:- The Service window for the IVSS system would be 24x7x365. | The Bidder should be EPF and ESIC registered, Bidder need to provide the EPF and ESIC certificate for the same; Justification: With reference to this clause 24x7x365 manpower is required as per the labour law to meet this clause 3 shifts has to be provided which will indulge a huge cost for the SI and by seeing the numbers we would strongly recommend to ask EPF and ESIC from the SI                         | Tender terms shall prevail.  |
| 532       | Technosys   | NA   | Addition  | As the project seriousness is considered we would recommend to have the 2-5 Days of POC for understand the product performance in all type of environment and situation  | The time period for POC shall be one working day. However, MPHC may extend the same if it feels a necessity to do so to get itself completely satisfied. |

| Query No. | Bidder Name | Bid Ref. No.   | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|--|--|---|---|
| 533       | Technosys   | 4.7. Project Completion Period   | Implementation (Stage I) – under Jabalpur HC- 8 Months   | As per our understanding the warranty/AMC will start from the date of handover of respective Courts Please clarify  | The warranty/AMC period shall start from the date of completion of corresponding implementation stage/phase.      |
| 534       | Technosys   | A typical system architecture for the proposed IVSS at district, sessions & civil courts | Diagram  | Diagram does not show any monitors, hence please clarify monitors are required or not?  | The District Court architecture shows monitors. The same have not been considered for civil/tehsil courts.        |
| 535       | Technosys   | 5.1.2.1 Video Surveillance   | 3 Outdoor Panoramic Camera,20 MP, Situational Awareness ,Courtyard, parking areas 5 Indoor Panoramic Camera , 20 MP, Situational Awareness , Lobbies, Passages 6 Indoor Panoramic Camera (with audio recording),20 MP, Situational Awareness, Courtrooms | These clause are OEM/Brand specific as only one OEM qualifies hence we would request to dissolve this clause  | Tender terms shall prevail.   |
| 536       | Technosys   | 5.3.6 Warranty Service Level Requirements – SLA  | 6. The Successful Bidder needs to maintain the Service Levels as follows: (a) 99% of the times for the MTTR of High Severity Events (b) 95% of the times for the MTTR of Low Severity Events   | As connectivity is not cleared we are considering its under client scope, hence please clarify if there is connectivity issue who will be liable as according to the clause 99% uptime is asked; Justification: As per our understanding required connectivity among courts and command control room at Jabalpur will be provided by end user , Please clarify as it include huge cost impact | Inter-court Connectivity is not in the SI scope & the guaranteed uptime shall not include such out-of-scope jobs. |
| 537       | Technosys   | 7. SECTION VII - Formats for Submission of Proposals, 7.1. Commercial Bid Format         | Addition   | If Connectivity is under bidder scope Please Add ISP Clause or connectivity in the BOQ as it contribute a huge stack in the costing   | Inter-court Connectivity is not in the SI scope.  |

| Query No. | Bidder Name    | Bid Ref. No.   | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting   |
|-----------|----------------|--|--|--|--|
| 538       | Technosys      | 2.16.2 C4i& VMS OEM  | 2. The Security Management System OEM should have installed the solution in at least one multi-site (at least 200 state or nation-wide locations) integrated project in India. | Please explain the term Security Management System with respect to VMS   | Security Management System shall mean the C4i/ PSIM software.  |
| 539       | Technosys      |  | Addition   | Please add the connectivity section in the BOQ as it involves huge costing   | Inter-court Connectivity is not in the SI scope.   |
| 540       | Unicom Infotel | 6.1 page 43 of 106, 6.3 page 45 of 106 :- sensor size                  | 1/2.7" progressive scan HD CMOS/1.3" progressive scan sensor   | Various different sensor sizes are mentioned in the different cameras which has been asked , would request if sensor size could be kept standard for ex . 1/3 " and above                                    | The tender specifies non-uniform sensor sizes for different types of cameras. The same is being standardised as "Sensor size of 1/3" or better" without affecting the specified light sensitivity. |
| 541       | Unicom Infotel | Clause 6.2 page 44 :- Minimum illumination /light sensitivity          | Color mode: F1.2 @0.4 lux black and white mode: F1.2 @0.2 lux  | Lux levels depends on parameters like F stop value and shutter speed .would request if this condition can be mentioned as 0.4 lux at F2.0 or 0.05 lux at F1.5 color and 0.05 lux B/W                         | If the values are available under different test parameters, the OEMs should provide a certificate of its corresponding values under the given test parameters.                                    |
| 542       | Unicom Infotel | Clause 6.4 page 47 Indoor fixed dome camera :- Camera adjustment angle | Rotate angle 350 deg   | Our camera rotates at 340 deg max , would not affect any functional requirement . Please allow us to quote with the parameter which we have referred .   | Rotate angle of 340 deg shall be acceptable as long as the the exact viewing position is achieved by rotate angle or angle of base installation.   |
| 543       | Unicom Infotel | Clause 6.6 page 48 ANPR cameras :- minimum illumination                | Should be able to record at 0.04 lux color and 0.01 lux B/W  | Since Lux levels are always subject to other parameters like F stop value and shutter speed . would request if this condition can be mentioned as 0.5 lux at F2.0 or 0.04 lux at F1.4 color and 0.05 lux B/W | If the values are available under different test parameters, the OEMs should provide a certificate of its corresponding values under the given test parameters.                                    |

| Query No. | Bidder Name    | Bid Ref. No.   | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting  |
|-----------|----------------|--|--|--|---|
| 544       | Unicom Infotel | Clause 6.39 page 95 Modular UPS(10 KVA)                            | The battery specifications are not clear   | It should be as follow: The battery should be 12 volts sealed maintaince free Hybrid Gel VRLA type . Further all the battery should be provided with interlink cables and rack and container should be FR type and battery should be warranted for 3 years The make of the battery shall be Rays technology or HOPECKY or Panasonic or quanta or C&D   | Tender terms shall prevail.   |
| 545       | Unicom Infotel | Clause 6.39 page 95 Modular UPS(10 KVA)                            | The make of the UPS is not clear   | so it is our recommendation that client should specify the makes and the capacity but in any case capacity shall not be less than 5 KVA According to us Capacity solos be 5 KVA 10 KVA 20 KVA and 40 KVA out of which 5 KVA shall be three phase in put and single phase out put and all other Shall have three phase in put and three phase out put the make of the ups shall be either EATON/Huawei/ Console Neowatt/ Hitachi All the ups shall be warranted for minimum three years | Tender terms shall prevail.   |
| 546       | Unicom Infotel | Clause 6.20 page 63( Point No 12,13,14 9U Rack, 42U Rack, 24U Rack | The make of the rack is not clear  | The makes of the racks should be specified and according to us same should be either vallrack/Rittal/APC/ NETRACK  | Tender terms shall prevail.   |
| 547       | Vaaan Infra    | P 10   | 2.9 - Consortium Each bidder is permitted to submit ONLY ONE BID irrespective of whether he is the sole bidder, or the Leader or Member of a duly formed JV or Consortium. | We understand from this language that consortium is allowed. You are kindly requested to define maximum number of members allowed in consortium and how pre-qualification can be shared between these consortium members.  | Consortium bids of maximum two members shall be allowed. The prequalification can be shared amongst the members of the consortium.                            |
| 548       | Vaaan Infra    | P 10   | -do-   | Can a consortium partner with International Origin / Global Consortium / JV member bid as a Lead bidder?   | The lead bidder has to be an Indian Company.  |
| 549       | Vaaan Infra    | P 10   | -do-   | How will the total turnover get divided within the consortium / JV members   | The turnover & the experience criteria cannot be divided amongst the consortium members. The criterion / qualification shall be possessed by a single member. |

| Query No. | Bidder Name | Bid Ref. No.               | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|----------------------------|--|--|---|
| 550       | Vaaan Infra | P 17, Clause 3.2           | Performance Guarantee .....amount equivalent to 5% of the Capital Value valid for a period of 84months within 15 days from the date of contract. | Kindly advise how the amount of "Capital Value" shall be calculated. Does this include Segment A,B,C,D, & E of your BoQ_10821.xls file only. Please confirm.   | Capital value is a sum total of Parts A, B, C, D& E of the BoQ & shall not include the Operating Expenses, namely, the FM Charges, Recurring Charges & the CAMC charges.              |
| 551       | Vaaan Infra | -do- + P 41, Clause 5.3.10 | -do- and Bank Guarantee for CAMC   | We propose to refund the Performance Guarantee of SI once Bank Guarantee for CAMC is submitted. Kindly consider.   | The PBG shall be refunded to the SI upon submission of a separate PBG for CAMC.   |
| 552       | Vaaan Infra |                            | In BOQ_10821.xls file Bill of Quantities are divided into A,B,C,D,E,F,G segment wherein F & G are related to FM Services and CAMC Charges        | Payment for CAMC charges are defined. We also request you to advise how payment for FM Services shall be paid to the implementing agency.  | The payment for FM Services shall be as per the payment terms for CAMC.   |
| 553       | Vaaan Infra | P 37, Clause 5.3.4         | O&M Management: "3. The FM resources should be on the bidders' payroll"-   | We request you consider outsourced staff for this requirement. We are requesting the same as these staff will not be contributing to overall operations of the company and shall be project specific only. | Tender terms shall prevail.   |
| 554       | Vaaan Infra | P 38, Clause No. 4b        | High & Low Severity..  | You are kindly requested to define these categories..  | High Severity events shall be a) complete system or network breakdown b) more than 30% cameras are non-functional while all other events would be categorised as Low Severity Events. |
| 555       | Vaaan Infra | P 176, Clause 7.18         | PoC Criteria   | You are kindly requested to define time period for this PoC.   | The time period for POC shall be one working day. However, MPHC may extend the same if it feels a necessity to do so to get itself completely satisfied.                              |

| Query No. | Bidder Name | Bid Ref. No.   | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting   |
|-----------|-------------|--|--|---|--|
| 556       | Vaaan Infra | -  | Bid Submission date  | You are kindly requested to consider providing minimum three (3) weeks time for the bid submission from the date of last corrigendum.   | Please refer to the corrigenda published in this regard.   |
| 557       | Vaaan Infra | Page 13<br>2.16.2 C4i&<br>VMS OEM-<br>Sr No 2                    | 2. The Security Management System OEM should have installed the solution in at least one multi-site (at least 200 state or nation-wide locations) integrated project in India.                             | We request you to consider Project Size & no of Cameras .it should be revised as "OEM should have installed the solution at least minimum 4000 VMS licenses in a single multi location project with minimum 10 locations either state or nationwide."<br><br>The VMS OEM should submit copy of PO, Tax Invoice and Completion Certification from their SI partner OR end user as the case may be. | Tender terms shall prevail.  |
| 558       | Vaaan Infra | Page 27<br>5.1.2.2 Video Analytics                               | Video Analytics can be used on the Gate surveillance cameras to count vehicles and their direction. A synchronous VA on all entry / exit gates of SDB can give exact count of vehicles within the premise. | Please clarify the word SDB?  | The clause shall be read as "Video Analytics may be used on the Gate surveillance cameras to count vehicles and their direction. A synchronous VA on all entry / exit gates of Subordinate & District Courts can give exact count of vehicles within the premise." |
| 559       | Vaaan Infra | Page 28 &<br>29<br>5.1.2.6<br>Storage and<br>Recording-<br>Table |  | Please clarify 20MP Camera not mentioned in recording table. 20MP cameras need to be recording or not?  | The recording parameter for Panoramic Camera shall be Full HD at 15 FPS per sensor while that for monitoring shall be 5 MP at 25 FPS per sensor.   |
| 560       | Vaaan Infra | Page 28<br>5.1.2.6<br>Storage and<br>Recording                   |  | What shall be recording resolutions for ANPR cameras  | Recording resolution for ANPR cameras & Indoor/Outdoor Fixed Cameras shall be Full HD at 15 FPS & that for monitoring shall be 5 MP at 25 FPS.   |

| Query No. | Bidder Name | Bid Ref. No.               | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|----------------------------|---|---|---|
| 561       | Vaaan Infra | Page 9 and 34              | <p>MPHC has decided to implement an Integrated Video Surveillance System (IVSS) at 48 No. of District &amp; Sessions Courts &amp; 151 No. of Civil Courts under the High Court of Madhya Pradesh</p> <p>Video Surveillance System comprising Video Surveillance System, Perimeter Intrusion Detection System, Data/Video Network, &amp; Unified Command &amp; Control System for 48 No. of District &amp; Sessions Courts &amp; 153 No. of Civil Courts under the High Court of Madhya Pradesh, Jabalpur, so as to fulfil the objectives listed in this document.</p> | Please clarify on the number of session courts. Shall we consider 151 session courts or 153   | The no. of tehsil courts under IVSS implementation shall be 151 courts. The no. of district courts covered shall be 48.   |
| 562       | Vaaan Infra | Page 43 6.1, 6.2, 6.3, 6.5 |   | The default camera resolution is different than of the recording resolution (mostly 2MP). Please ensure that the camera will provide minimum 2 streams as it is not mentioned in the camera specification | All the streams shall be user configurable (with respect to resolution, frame rate & compression standard). All the cameras shall have minimum 3 streams (2 streams per sensor in case of multi-sensor cameras) |

| Query No. | Bidder Name | Bid Ref. No.                                     | Bid Condition   | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|--|---|---|---|
| 563       | Vaaan Infra | Page 32<br>5.2. Mandatory Technical Requirements | The video analytics system needs to be capable of being upgraded to new and improved video analytics algorithms as they become available. The same shall be free to MPHC & shall be a part of Warranty/AMC. | The Free upgrade of existing VA is OK .<br><br>New VA will be supplied on mutually agreed extra cost. | Free upgrade for all existing VAs is acceptable   |
| 564       | Vaaan Infra | Page 45<br>6.2. Outdoor Panoramic Camera         | Application - ready platform Camera should have option to add functions by installing and running applications directly on the camera.  | Please clarify what application to be installed on cameras?   | The cameras shall use application - ready platform. MPHC acknowledges that running any applications on the edge can be a security risk/ vulnerability & as such, do not intend to use the functionality. Also, all such functions, if available by default, shall be required to be permanently disabled. |
| 565       | Vaaan Infra | Page 47<br>6.4. Indoor Fixed Dome Camera         | Application - ready platform Camera should have option to add functions by installing and running applications directly on the camera.  | Please clarify what application to be installed on cameras?   | The cameras shall use application - ready platform. MPHC acknowledges that running any applications on the edge can be a security risk/ vulnerability & as such, do not intend to use the functionality. Also, all such functions, if available by default, shall be required to be permanently disabled. |

| Query No. | Bidder Name | Bid Ref. No.                            | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|---|--|---|---|
| 566       | Vaaan Infra | Page 48<br>6.5. Indoor Panoramic Camera | Application - ready platform Camera should have option to add functions by installing and running applications directly on the camera. | Please clarify what application to be installed on cameras?   | The cameras shall use application - ready platform. MPHC acknowledges that running any applications on the edge can be a security risk/ vulnerability & as such, do not intend to use the functionality. Also, all such functions, if available by default, shall be required to be permanently disabled. |
| 567       | Vaaan Infra | Page 49<br>6.6. ANPR Camera             | Detection - 100% Recognition of number plates – More than 90 %   | Please add word "Standard" with "Number/License Plates"   | The parameters provided are considering standard number plates.   |
| 568       | Vaaan Infra | Page 56<br>6.16. VMS/ IVA Software      | Platform Windows / Unix / Linux  | Please revised as "Windows, Unix, Linux". The VMS software should work on open standards and should be agnostic to any operating system, database, web browser etc. This is in line with GoI Policy for using open standard technologies for mission critical and security related projects/applications. | The bidders are free to propose an operating platform based on its proposed solution requirements. However, please be advised that licenses, if any, shall be provided to MPHC without any additional cost.   |
| 569       | Vaaan Infra | Page 56<br>6.16. VMS/ IVA Software      | Compatibility The VMS should be built on the open standards and shall be compatible with products from industry leading manufacturers  | Please revise it to "The VMS software should work on open standards and should be agnostic to any operating system, database, web browser etc. This is in line with GoI Policy for using open standard technologies for mission critical and security related projects/applications."                     | Tender terms shall prevail.   |

| Query No. | Bidder Name | Bid Ref. No.                          | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|---------------------------------------|---|--|---|
| 570       | Vaaan Infra | Page 59<br>6.16. VMS/<br>IVA Software | Capable of geo-referencing and supporting cross-cueing of sensors | Please Clarify CCTV Camera is the only sensor. what is expected from cross-cueing and geo referencing? | The system shall be capable of geo-referencing and supporting cross-cueing of sensors, that is, the system shall be capable of sharing the geo-coordinates of the alarm location detected by a sensor to other sensors in the system. At present, there are no sensors to be integrated. System capability has been asked & the bidders may have to demonstrate the same to MPHC. |

| Query No. | Bidder Name | Bid Ref. No.                          | Bid Condition  | Query   | MPHC Response / Reply of pre-bid meeting   |
|-----------|-------------|---------------------------------------|--|---|--|
| 571       | Vaaan Infra | Page 60<br>6.16. VMS/<br>IVA Software | Software Forensics Analyzer shall allow the user to quickly search for and detect security events that occurred in the past. | <p>You may like to consider adding following features for Software Forensic Analyzer as per below:</p> <p>VMS should offer a special forensic search tool to investigate person or object of interest based on various parameters as may be collected by investigating/law enforcement agencies (such as crime scene analysis, eye witness description etc)</p> <p>The VMS/VA should have an easy to use graphical tool for attribute search with dress / attire building options for males, females represented as graphical characters.</p> <p>The VMS/VA should have the capability to search people based on the attributes such as type of dress (to include common Indian dressing styles along with color of the clothes) such as A. Pant (half and full), Shirt (half and full sleeves), Dhoti, Lungi (half and full), headgear such as pagree, cap for males and B. Saree, Punjabi Suit, Skirt, Shirt, Pant, hijaab for females. The tool should also give option to select the skin tone of the suspect. The search tool should have a graphical tool to build the suspect sketch. The tool should give options to construct face of the suspect and should offer easy to choose options for head shape, hair styles, eyes, nose, etc. for males and females separately</p> | Tender terms shall prevail.  |
| 572       | Vaaan Infra | Page 61<br>6.16. VMS/<br>IVA Software | c. Deleting older video files as needed, to free up space to record newer video files.                                       | Please remove this clause as manual deletion should not be allowed.   | It is mentioned in the context of system's ability to perform simultaneous operations. |
| 573       | Vaaan Infra | 6.16. VMS/<br>IVA Software            |  | We propose that required VMS, VA, ANPR & Forensic Software should be of same make.  | Tender terms shall prevail.  |

| Query No. | Bidder Name | Bid Ref. No.  | Bid Condition                          | Query  | MPHC Response / Reply of pre-bid meeting  |
|-----------|-------------|---|--|--|---|
| 574       | Vaaan Infra | Bid Document Part 2-Page 3<br>Setting Up Command & Control Centre at High Court, Jabalpur | HC Command & Control Centre (Jabalpur) | Please include VMS Software line item in the BoQ of Command & Control Centre at High Court, Jabalpur   | The HC CCC at Jabalpur shall host the C4i/ PSIM software & shall manage the VMS software operating at 201 sites. No additional VMS licenses shall be required for this purpose. If the bidder's solution mandates any such additional licenses, the same shall be considered & added in the C4i / PSIM software cost. |
| 575       | Vaaan Infra | Bid Document Part 2-Page 5<br>Implementation Stage  | 3 Outdoor PTZ Camera No.               | The VMS/ IVA Software quantity is the sum of total camera quantity. Please exclude analytics licenses over PTZ cameras as these are meant for general surveillance purpose only. | VMS software licenses are the sum total of camera quantity. However, IVA requirement is for select cameras. Bidders should assume the quantity to be 20% of the outdoor fixed & indoor dome cameras.  |

| Query No. | Bidder Name                  | Bid Ref. No.                     | Bid Condition   | Query  | MPHC Response / Reply of pre-bid meeting |
|-----------|------------------------------|----------------------------------|---|--|--|
| 576       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 | Video Wall Controllers : Display Controller to control upto 12 panels, with required outputs, in any matrix combination; Capable of taking universal/multiple inputs (>10) & outputs for video/data along with necessary wall management software; Dual Gigabit Ethernet Ports with support for additional adapters; 4-DVI-D/HDMI Outputs; Support for Full HD resolution at full frame rate for all panels; Intel Xeon i7 64-bit processor with 16GB RAM; 1 TB HDD | Processor /Architecture : Min Intel i7 Gen7, Memory : Min 16GB, OR Hardware based, with FPGA structure, 25G board exchange processing. Without operating system, fast booting, high stability, no risk of virus infection, no system crash and black screen phenomenon Graphics Outputs: Capable to drive min 4 full HD Display with single graphics Card with Exaoansion provision for 64 displays. Inputs: 4 nos HDMI inputs on card with 1 no Streaming input. Integrated User interface: Smart Multifunctional Keyboard with inbuilt touch screen, Hot keys, audio out for alarms. 24x7 Operation. Multifunctional user interface can show min 2 key CCTV feeds directly into the integrated display and VMS workstations soft keys.   | Tender terms shall prevail.              |
| 577       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 | Video wall Management Software: Support for Multiclient/console; Software enable user to display, multiple sources up to any size and anywhere on the display wall; auto source detection; Should support for Video, RGB, DVI, Internet Explorer, Desktop Application and Remote Desktop Monitoring Layouts; Built-in auto-layout scheduler; Multiple concurrent client support.  | Based on Client Server Architecture, Must allow operators to share respective desktop content over TCP /IP. Capable of configuring web browser souces, IP Streams as inputs.API available to easily insert the video wall management software commands into third party control systems, should have a "Birds Eye View" feature for free configurable Views of multiple surfaces, individual background picture, easy drag and drop of sources and layouts to these views, Server & Client: All Windows Operating systems (WIN7, 10, 2008) All OS Control Interface over HTML5: Windows, Linux, Android, Apple IOS and MAC OS, Mobile interface: The video wall control software has to include a web interface that can run on any tablet or smart phone (IOS, Android....) (web browser must be HTML5 compatible). | Tender terms shall prevail.              |

| Query No. | Bidder Name                  | Bid Ref. No.                     | Bid Condition  | Query  | MPHC Response / Reply of pre-bid meeting |
|-----------|------------------------------|----------------------------------|--|--|--|
| 578       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 | Features Minimum Specifications  | The display wall shall be composed of an array of 4 rows (Height) x 4 column (width) direct LED lit LCD panel 55 inch diagonal size  | Tender terms shall prevail.              |
| 579       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 | General Very narrow & black bezel (<3mm) CCTV Monitor suitable for                     | i.e 2.75M (height) x 4.85M (width)   | Tender terms shall prevail.              |
| 580       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 | continuous (24x7x365) use with MTBF of more than 80,000 Hrs;                           | The displays shall utilize direct LED lit LCD panel technology   | Tender terms shall prevail.              |
| 581       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 | Screen Min. 55" LED (2x6 Matrix)   | All panels shall of 55" diagonal size and optimized to work in a multi-screen arrangement with no more than 1.0 mm separation between adjacent screens (gap to be measure between the closest active pixel of two screens ideally placed one next to each other when a pattern able to illuminate each closets pixel to the border applies)                          | Tender terms shall prevail.              |
| 582       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 | Resolution 1920x1080 or better   | Each LCD Panel must have Built-in light and colour sensors with feedback loops to keep display performance, such as luminance and colour, uniform in time across the entire display wall. The sensors must measure both brightness and colour. Human intervention should not be involved   | Tender terms shall prevail.              |
| 583       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 | Monitor Mounting Mounting kits, Brackets & Supports to suit installation requirements. | Each LCD panel shall have signal "cropping" capabilities allowing a single image to be displayed across the entire video wall array  | Tender terms shall prevail.              |
| 584       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 | Certifications UL, FCC, CE   | Display Requirements   | Tender terms shall prevail.              |
| 585       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 |  | Resolution: In order to achieve acceptable image quality for both video and graphics, and to avoid pixel loss, the LCD panel must be of native resolution of 1920 x 1080.  | Tender terms shall prevail.              |
| 586       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 |  | Construction: Each "LCD Display" or "Panel" shall be of a "industrial" grade quality with metallic-constructed fully enclosed light tight housing. The housing shall be of all-metallic construction with clear and easy access to the source and power connections. The LCD panel should utilise VA technology. The net weight of the LCD should be less than 18kg. | Tender terms shall prevail.              |

| Query No. | Bidder Name                  | Bid Ref. No.                     | Bid Condition | Query   | MPHC Response / Reply of pre-bid meeting |
|-----------|------------------------------|----------------------------------|---------------|---|--|
| 587       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 |               | Wide viewing : Each display shall utilize a high contrast screen (anti-glare) with sizes of 55" diagonal. The screen shall have a H 178°/V 178° viewing angle or greater with a screen "haze" value of 44% or greater for wide viewing angles for operators.  | Tender terms shall prevail.              |
| 588       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 |               | Brightness.: The "Typical" Luminance specification must be 800 Cd/m2 (nits) or higher with a "Typical" Contrast Ratio of 4000:1 or greater in normal operation.   | Tender terms shall prevail.              |
| 589       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 |               | Brightness Uniformity >95% @21 points   | Tender terms shall prevail.              |
| 590       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 |               | Illumination: Each LCD Panel shall be equipped with Direct LED illumination. The LEDs should have a "Typical" lifetime rating of ≥100K hours in normal operation for cost-effective operation.  | Tender terms shall prevail.              |
| 591       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 |               | Automatic colour and brightness adjustment.: Each LCD panel shall be equipped with two (2) built-in sensors, permitting the brightness level of each LED Backlight to be controlled and adjusted automatically. Light intensity from each panel will be monitored and adjusted automatically during calibration. The brightness target can be changed for the entire display wall via control management software without having to physically interact with each panel separately. | Tender terms shall prevail.              |
| 592       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 |               | Panel uniformity: When measured at least 25 pixels placed at 99% of the diagonal length the resulting uniformity level shall be equal or above 92%  | Tender terms shall prevail.              |
| 593       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 |               | Integrated Power Supply: The LCD panels shall have the option to utilize an internal AC-DC power supply. The resulting system shall support Auto-failover capability in case one of the internal AC-Dc would fail   | Tender terms shall prevail.              |
| 594       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 |               | Input signal flexibility: The LCD panels shall have digital input connectivity options, including, but not limited to, HDMI, full Display Port and IP inputs supporting up to Quad HD resolutions at 30fps or higher.   | Tender terms shall prevail.              |
| 595       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 |               | Each LCD panel shall have the ability to "loop-through" any selected digital input signal via a HDMI connection   | Tender terms shall prevail.              |

| Query No. | Bidder Name                  | Bid Ref. No.                     | Bid Condition | Query   | MPHC Response / Reply of pre-bid meeting |
|-----------|------------------------------|----------------------------------|---------------|---|--|
| 596       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 |               | Central controller: A dedicated control appliance with a network interface shall constantly monitor and communicate with each LCD panel to adjust its individual colours and brightness to a common value via a network switch and Cat 5/6 cables pulled to the RJ45 connector on each panel. | Tender terms shall prevail.              |
| 597       | WEY Technology India Pvt Ltd | Clause No. 6.32; Page No. 74, 75 |               | Remote control: The control of the wall shall be possible via a network. All LCD panels shall have their own IP address, and the control software can access all of them at the same time. The available features shall be: On/Off, Brightness and Colour, Input control                      | Tender terms shall prevail.              |

## Annexure I – Amended Commercial Bid Format (Shall replace Section 7.1 Part III of the Tender Document)

### 7.1. Commercial Bid Format

| Sr. No. | Description  | Spec. Reference                          | Unit | Quantity | Rate (Without GST but inclusive of all other applicable taxes, charges & duties) | Applicable GST | Item Rate (With GST) | Amount             |
|---------|--|--|------|----------|--|----------------|----------------------|--------------------|
|         |  |  |      | K        | L  | M              | $N = (L + M)$        | $O = (N \times K)$ |
| I       | <b>Design, Engineering, Manufacture, Procurement of materials and brought-out items/components, assembly at shop, system engineering, internal testing, integration, inspection, factory testing and acceptance at manufacturer's works, packing, delivery, operations &amp; maintenance of the following items including all required consumables, erection materials, training, documentation, resolution of all punch points &amp; final site acceptance test as per specifications, codes, standards &amp; instructions provided of:</b> |  |      |          |  |                |                      |                    |
| A.      | <b>Video Surveillance System [incl but not limited to Supply, installation, testing, commissioning, integration &amp; SAT of Fixed Components (including all enclosures, fittings, fixtures, accessories &amp; necessary electrical, civil, mechanical &amp; structural works)] for 48 No. of District Courts &amp; 153 No. of Civil Courts:</b>   |  |      |          |  |                |                      |                    |
| A.1     | Outdoor Fixed Camera   | 6.1                                      | Sets | 1935     |  |                | 0                    | 0                  |
| A.2     | Outdoor Panoramic Camera   | 6.2                                      | Sets | 968      |  |                | 0                    | 0                  |
| A.3     | Outdoor PTZ Camera   | 6.3                                      | Sets | 120      |  |                | 0                    | 0                  |
| A.4     | Indoor Fixed Dome Camera   | 6.4                                      | Sets | 4092     |  |                | 0                    | 0                  |
| A.5     | Indoor Panoramic Camera  | 6.5                                      | Sets | 1782     |  |                | 0                    | 0                  |
| A.6     | ANPR Camera  | 6.6                                      | Sets | 257      |  |                | 0                    | 0                  |
| A.7     | Microphone (Audio Recording System)  | 6.7& Annexure III of Pre-bid Corrigendum | Sets | 1383     |  |                | 0                    | 0                  |

| Sr. No.  | Description   | Spec. Reference | Unit | Quantity | Rate (Without GST but inclusive of all other applicable taxes, charges & duties) | Applicable GST | Item Rate (With GST) | Amount      |
|----------|---|-----------------|------|----------|--|----------------|----------------------|-------------|
|          |   |                 |      | K        | L  | M              | N = (L + M)          | O = (N x K) |
| A.8      | All Services including Installation, Testing, Commissioning, Integration, Documentation & Site Certifications for District Courts   | 6.21            | Lot  | 48       |  |                | 0                    | 0           |
| A.9      | All Services including Installation, Testing, Commissioning, Integration, Documentation & Site Certifications for Tehsil Courts   | 6.21            | Lot  | 153      |  |                | 0                    | 0           |
|          | <b>SUB-TOTAL (A)</b>  |                 |      |          |  |                |                      | <b>0</b>    |
| <b>B</b> | <b>System Network [incl but not limited to Supply, installation, testing, commissioning, integration, certification &amp; SAT of all active &amp; passive networking components (including all fixtures, fittings, accessories &amp; necessary electrical, civil, mechanical &amp; structural works)] for 48 No. of District Courts &amp; 153 No. of Civil Courts: (Note: The quantities mentioned are indicative minimum. The bidders should consider the quantities based on its proposed network philosophy)</b> |                 |      |          |  |                |                      |             |
| B.1      | Field Switch - 4 Port (Outdoor)   | 6.8             | Sets | 104      |  |                | 0                    | 0           |
| B.2      | Field Switch - 8 Port   | 6.9             | Sets | 907      |  |                | 0                    | 0           |
| B.3      | Field Switch - 24 Port  | 6.10            | Sets | 212      |  |                | 0                    | 0           |
| B.4      | Camera Poles  | 6.20            | Sets | 2032     |  |                | 0                    | 0           |
| B.5      | Field Rack  | 6.20            | Sets | 918      |  |                | 0                    | 0           |
| B.6      | Field Junction Box  | 6.20            | Sets | 104      |  |                | 0                    | 0           |
| B.7      | Surveillance Signages   | 6.20            | Sets | 2010     |  |                | 0                    | 0           |
| B.8      | Supply of CAT6, OFC, Control, Audio, Electrical Cables, Wiegand Cables, tags, ties & all other passive networking items/ components with necessary HDPE, GI, PVC Conduits, Casing Capping & necessary fixtures & fittings for 48 No. District Courts  | 6.20            | Lot  | 48       |  |                | 0                    | 0           |
| B.9      | Supply of CAT6, OFC, Control, Audio, Electrical Cables, Wiegand Cables, tags, ties & all other passive networking items/ components with necessary HDPE, GI, PVC Conduits, Casing Capping & necessary fixtures &  | 6.20            | Lot  | 153      |  |                | 0                    | 0           |

| Sr. No. | Description  | Spec. Reference | Unit | Quantity | Rate (Without GST but inclusive of all other applicable taxes, charges & duties) | Applicable GST | Item Rate (With GST) | Amount      |
|---------|--|-----------------|------|----------|--|----------------|----------------------|-------------|
|         |  |                 |      | K        | L  | M              | N = (L + M)          | O = (N x K) |
|         | fittings for 153 No. Tehsil Courts   |                 |      |          |  |                |                      |             |
| B.10    | Installation, Commissioning, Testing, Documentation, Site Certifications of all the networking active & passive components, digging, refilling & resurfacing of soft soil, hard soil, asphalt roads, laying HDPE/GI conduits & cables, splicing, termination, testing & certification of OFC cables, installation of casing/caping, all associated civil, mechanical & electrical works, Laying of cables/wires in cable trays, erection of poles with associated civil work, laying of conduits on walls, Fixing/installation of signages etc for District Courts | 6.21            | Lot  | 48       |  |                | 0                    | 0           |
| B.11    | Installation, Commissioning, Testing, Documentation, Site Certifications of all the networking active & passive components, digging, refilling & resurfacing of soft soil, hard soil, asphalt roads, laying HDPE/GI conduits & cables, splicing, termination, testing & certification of OFC cables, installation of casing/ capping, all associated civil, mechanical & electrical works, Laying of cables/wires in cable trays, erection of poles with associated civil  | 6.21            |      | 153      |  |                | 0                    | 0           |

| Sr. No.  | Description  | Spec. Reference | Unit | Quantity | Rate (Without GST but inclusive of all other applicable taxes, charges & duties) | Applicable GST | Item Rate (With GST) | Amount      |
|----------|--|-----------------|------|----------|--|----------------|----------------------|-------------|
|          |  |                 |      | K        | L  | M              | N = (L + M)          | O = (N x K) |
|          | work, laying of conduits on walls, Fixing/installation of signages etc for Civil Courts  |                 |      |          |  |                |                      |             |
|          | <b>SUB-TOTAL (B)</b>   |                 |      |          |  |                |                      | <b>0</b>    |
| <b>C</b> | <b>Control Room Set-up [incl but not limited to Supply, installation, testing, commissioning, integration &amp; SAT (incl necessary electrical, civil, mechanical &amp; structural works)].:</b> |                 |      |          |  |                |                      |             |
| C.1      | CR Switch  | 6.11            | Lots | 201      |  |                | 0                    | 0           |
| C.2      | Monitors   | 6.12            | Sets | 200      |  |                | 0                    | 0           |
| C.3      | Workstations   | 6.13            | Sets | 201      |  |                | 0                    | 0           |
| C.4      | SAN/NAS Storage  | 6.14            | Sets | 201      |  |                | 0                    | 0           |
| C.5      | Recording Servers  | 6.15            | Sets | 420      |  |                | 0                    | 0           |
| C.6      | VMS/ IVA Software  | 6.16            | Sets | 9154     |  |                | 0                    | 0           |
| C.7      | CR Rack (I)  | 6.20            | Sets | 48       |  |                | 0                    | 0           |
| C.8      | CR Rack (II)   | 6.20            | Sets | 153      |  |                | 0                    | 0           |
| C.9      | UPS  | 6.17            | Sets | 201      |  |                | 0                    | 0           |
| C.10     | Decoders   | 6.18            | Sets | 52       |  |                | 0                    | 0           |
| C.11     | PTZ Controllers  | 6.19            | Sets | 48       |  |                | 0                    | 0           |
| C.12     | Air-conditioner (1.5T)   | 6.38            | Sets | 88       |  |                | 0                    | 0           |
| C.13     | Air-conditioner (2T)   | 6.38            | Sets | 8        |  |                | 0                    | 0           |
| C.14     | Material for development of CR/MR Infrastructure (Type I-Medium Installations)   | 6.41            | Lots | 44       |  |                | 0                    | 0           |
| C.15     | Material for development of CR/MR Infrastructure (Type II-Larger Installations)  | 6.41            | Lots | 4        |  |                | 0                    | 0           |
| C.16     | Installation, Commissioning, Documentation, Integration, all allied labour work etc. for District Courts   | 6.21            | Lot  | 48       |  |                | 0                    | 0           |
| C.17     | Installation, Commissioning, Documentation, Integration, all allied labour work etc. for Tehsil Courts   | 6.21            |      | 153      |  |                | 0                    | 0           |
|          | <b>SUB-TOTAL (C)</b>   |                 |      |          |  |                |                      | <b>0</b>    |
| <b>D</b> | <b>Other Equipment [incl but not limited to Supply, installation, testing, commissioning, integration &amp; SAT (incl necessary electrical, civil, mechanical &amp; structural works)].:</b>     |                 |      |          |  |                |                      |             |
| D.1      | Access Controllers   | 6.22            | Lots | 212      |  |                | 0                    | 0           |
| D.2      | Biometric Readers  | 6.23            | Sets | 1517     |  |                | 0                    | 0           |
| D.3      | Card Readers   | 6.24            | Sets | 528      |  |                | 0                    | 0           |
| D.4      | Door-frame Metal Detector  | 6.25            | Sets | 703      |  |                | 0                    | 0           |
| D.5      | Hand Held Metal  | 6.26            | Sets | 904      |  |                | 0                    | 0           |

| Sr. No.     | Description   | Spec. Reference                    | Unit        | Quantity    | Rate (Without GST but inclusive of all other applicable taxes, charges & duties) | Applicable GST | Item Rate (With GST) | Amount      |
|-------------|---|------------------------------------|-------------|-------------|--|----------------|----------------------|-------------|
|             |   |                                    |             | K           | L  | M              | N = (L + M)          | O = (N x K) |
|             | Detectors   |                                    |             |             |  |                |                      |             |
| D.6         | EM Locks  | 6.27                               | Sets        | 1517        |  |                | 0                    | 0           |
| D.8         | Smart Cards   | 6.28                               | Sets        | 4837        |  |                | 0                    | 0           |
| D.9         | Portable Monitoring Stations  | 6.29                               | Sets        | 249         |  |                | 0                    | 0           |
| D.9.a       | All-In-One Computer   | Annexure II of Pre-bid Corrigendum | Sets        | 50          |  |                | 0                    | 0           |
| <b>D.10</b> | <b>Alarm Call Points (Deleted)</b>  | <b>6.30 (Deleted)</b>              | <b>Sets</b> | <b>1718</b> |  |                | <b>0</b>             | <b>0</b>    |
| D.11        | WIFI Router   | 6.31                               | Sets        | 249         |  |                | 0                    | 0           |
| D.12        | Installation, Commissioning, Documentation, Integration, all allied labour work etc. for District Courts  | 6.21                               | Lot         | 48          |  |                | 0                    | 0           |
| D.13        | Installation, Commissioning, Documentation, Integration, all allied labour work etc. for Tehsil Courts  | 6.21                               |             | 153         |  |                | 0                    | 0           |
|             | <b>SUB-TOTAL (D)</b>  |                                    |             |             |  |                |                      | <b>0</b>    |
| <b>E</b>    | <b>Command &amp; Control Center Set-up at High Court Campus, Jabalpur [incl but not limited to Supply, installation, testing, commissioning, integration &amp; SAT (incl necessary electrical, civil, mechanical &amp; structural works)].:</b> |                                    |             |             |  |                |                      |             |
| E.1         | Video Wall  | 6.32                               | Set         | 1           |  |                | 0                    | 0           |
| E.2         | Servers   | 6.33                               | Set         | 1           |  |                | 0                    | 0           |
| E.3         | Workstations  | 6.13                               | Set         | 6           |  |                | 0                    | 0           |
| E.4         | Layer-3 Core Switch   | 6.34                               | Set         | 2           |  |                | 0                    | 0           |
| E.5         | Layer-2 Switch  | 6.35                               | Set         | 2           |  |                | 0                    | 0           |
| E.6         | C4i Software  | 6.36                               | Set         | 1           |  |                | 0                    | 0           |
| E.7         | Biometric Controller  | 6.22                               | Set         | 1           |  |                | 0                    | 0           |
| E.8         | Biometric Readers   | 6.23                               | Set         | 4           |  |                | 0                    | 0           |
| E.9         | Fixed Indoor Dome Cameras   | 6.4                                | Set         | 8           |  |                | 0                    | 0           |
| E.10        | Smart Card Printer  | 6.37                               | Set         | 1           |  |                | 0                    | 0           |
| E.11        | Air-conditioners (2T)   | 6.38                               | Set         | 5           |  |                | 0                    | 0           |
| E.12        | Air-conditioners (1.5T)   | 6.38                               | Set         | 2           |  |                | 0                    | 0           |
| E.13        | Precision Air-conditioner (2T)  | 6.38                               | Set         | 2           |  |                | 0                    | 0           |
| E.14        | 42U Rack  | 6.20                               | Set         | 3           |  |                | 0                    | 0           |
| E.15        | Modular UPS (10KVA)   | 6.39                               | Set         | 1           |  |                | 0                    | 0           |
| E.16        | Digital Clock   | 6.42                               | Set         | 2           |  |                | 0                    | 0           |
| E.17        | Network/ Element Management System  | 6.40                               | Set         | 1           |  |                | 0                    | 0           |
| E.18        | Conference Table  | 6.42                               | Set         | 1           |  |                | 0                    | 0           |
| E.19        | Conference Chairs   | 6.42                               | Set         | 12          |  |                | 0                    | 0           |
| E.20        | Operator Work Desk  | 6.42                               | Set         | 6           |  |                | 0                    | 0           |
| E.21        | Operator Chairs   | 6.42                               | Set         | 6           |  |                | 0                    | 0           |

| Sr. No.  | Description   | Spec. Reference | Unit       | Quantity | Rate (Without GST but inclusive of all other applicable taxes, charges & duties) | Applicable GST | Item Rate (With GST) | Amount      |
|----------|---|-----------------|------------|----------|--|----------------|----------------------|-------------|
|          |   |                 |            | K        | L  | M              | N = (L + M)          | O = (N x K) |
| E.22     | Office Cabinets   | 6.42            | Sq m       | 6        |  |                | 0                    | 0           |
| E.23     | Fire Safety System (with Controller, Detectors, Early Warning System)   | 6.42            | Lot        | 1        |  |                | 0                    | 0           |
| E.24     | LED Lighting  | 6.42            | Lot        | 1        |  |                | 0                    | 0           |
| E.25     | False Ceiling   | 6.42            | Sq m       | 200      |  |                | 0                    | 0           |
| E.26     | False Flooring  | 6.42            | Sq m       | 20       |  |                | 0                    | 0           |
| E.27     | Partitions  | 6.42            | Sq m       | 30       |  |                | 0                    | 0           |
| E.28     | All other Components for development of CR Infrastructure   | 6.42            | Lot        | 1        |  |                | 0                    | 0           |
| E.29     | Supply of CAT6, OFC, Control, Audio, Electrical Cables, Wiegand Cables, tags, ties & all other passive networking items/ components with necessary HDPE, GI, PVC Conduits, Casing Capping & necessary fixtures & fittings | 6.20            | Lot        | 1        |  |                | 0                    | 0           |
| E.30     | Installation, Commissioning, Documentation, Integration, all allied labour work etc.  | 6.21            | Lot        | 1        |  |                | 0                    | 0           |
|          | <b>SUB-TOTAL (E)</b>  |                 |            |          |  |                |                      | <b>0</b>    |
| <b>F</b> | <b>FM Services for 5 Years</b>  |                 |            |          |  |                |                      |             |
| F.1      | Providing Control Room Supervisor (Man-power) to supervise the CR Operations at MPHC Premises, Jabalpur   |                 | Man - Year | 5        |  |                | 0                    | 0           |
| F.2      | Providing Control Room Operators (Man-power) to run the CR Operations at District Courts  |                 | Man - Year | 285      |  |                | 0                    | 0           |
|          | <b>SUB-TOTAL (F)</b>  |                 |            |          |  |                |                      | <b>0</b>    |
| <b>G</b> | <b>CAMC Charges</b>   |                 |            |          |  |                |                      |             |
| G.1      | CAMC Charges for 1st Year post Warranty Period  |                 | LS         | 1        |  |                | 0                    | 0           |
| G.2      | CAMC Charges for 2nd Year post Warranty Period  |                 | LS         | 1        |  |                | 0                    | 0           |
| G.3      | CAMC Charges for 3rd Year post  |                 | LS         | 1        |  |                | 0                    | 0           |

| Sr. No. | Description                                    | Spec. Reference | Unit | Quantity | Rate (Without GST but inclusive of all other applicable taxes, charges & duties) | Applicable GST | Item Rate (With GST) | Amount             |
|---------|--|-----------------|------|----------|--|----------------|----------------------|--------------------|
|         |  |                 |      | K        | L  | M              | $N = (L + M)$        | $O = (N \times K)$ |
|         | Warranty Period                                |                 |      |          |  |                |                      |                    |
| G.4     | CAMC Charges for 4th Year post Warranty Period |                 | LS   | 1        |  |                | 0                    | 0                  |
|         | <b>SUB-TOTAL (G)</b>                           |                 |      |          |  |                |                      | <b>0</b>           |
|         | <b>GRAND-TOTAL (H=A+B+C+D+E+F+G)</b>           |                 |      |          |  |                |                      | <b>0</b>           |

**Annexure II Specifications for All in One Computer (Line Item No. D.9.a in Commercial Bid Format)**

| Features          | Minimum Specifications   |
|-------------------|--|
| <b>Monitor</b>    |  |
| Screen Size       | 24" or above.  |
| Technology        | IPS Ultra HD   |
| Aspect Ratio      | 16:9   |
| Contrast Ratio    | 1000:1   |
| Brightness        | 235 cd/m <sup>2</sup>  |
| Response          | 14 ms  |
| Graphics Input    | USB type C port (supporting Display Port Alternate Mode) or Display Port or HDMI 2.0 port  |
| Multi-touch       | Yes  |
| Pen               | Yes  |
| Pen-holder/Stand  | Yes  |
| Resolution        | > 5000 lines per inch  |
| Remote            | Remote with more than 16 customizable, application specific keys   |
| Ports             | 4 x USB3 ports, 1 x USB C port, 1 x USB3 port (Upstream port connected to computer), 1 x HDMI2.0 port, 1 x DisplayPort, 1 USB-A Port |
| Audio             | Audio headset jack, built-in microphone  |
| OS Support        | Windows® 7 or later (latest service pack/build)  |
| <b>Processor</b>  |  |
| Processor         | Intel® Core™ i5-7300HQ   |
| Graphics Card     | NVIDIA® Quadro® P3200 6GB GDDR5  |
| RAM               | 1 x 16GB DDR-2400 expandable to 32 GB (Accessible through housing)   |
| Storage           | 256GB SSD PCIe Gen3 (M.2 2280)   |
| Operating System  | Windows 10 Pro   |
| Video Out         | 1x Mini DisplayPort (DP1.2, 4K 60Hz) 1x Mini HDMI (HDMI2.0, 4K 60Hz)   |
| Other Connections | 1x LAN port(Gigabit) 3xDC Jack   |
| Wireless          | Wi-Fi IEEE 802.11 ac, Bluetooth 4.2  |
| <b>Make</b>       | <b>Wacom, Apple or equivalent brand of repute</b>  |

**Annexure III Specifications for Audio Recording System (Shall replace Section 6.7 of Part I of the Tender Document)**

| Features     | Minimum Specifications  |
|--------------|---|
| Base Station | 4xAudio Ins for connecting upto 4 microphones; audio output OR Ethernet Port for connecting to Courtroom Camera Audio In or Switch. Built-in Speaker & headphone jack for monitoring live audio and playback. feature to disable any one or all the microphones; Best-in-class channel separation   |
| • General    | Wall/Table mounted <b>omnidirectional</b> , low impedance, built-in AGC, Mic/Line Level Output, high-quality noise cancelling Microphone; Should be able to pick up normal sounds within a radial distance of approx. 5m. Two Microphones shall be wall mounted while 2 shall be table-top/ goose-neck (~450mm) type (final selection shall be as per the site-conditions). |
| • Housing    | High impact ABS   |

**Note:-**

- The quantities mentioned above may increase or decrease at the sole discretion of the High Court. The Registrar General, High Court of Madhya Pradesh reserves the right to change the quantities and the configuration of items mentioned above without assigning any reason thereof.**
- The total price above commercial bid inclusive of all taxes & expenses with on-site maintenance & support shall be taken as the

basis for evaluation of commercial bids. In case of any discrepancy in the tax factor, the basic product price shall be taken into consideration for finalization of bids.

3. Payment against delivery shall be made on pro-rata basis for delivery of equipment on site.
4. The Original equipment manufacturer can authorize more than one partner for participation in the bid.
5. Back-to-Back support letter is to be submitted by OEM regarding support of their quoted products.
6. The vendor has to assure the availability of batteries of UPS Systems, after the expiry period of batteries for their quoted UPS.
7. The Registrar General, High Court of Madhya Pradesh has full rights to accept or reject any bid, without assigning any reason.
8. The financial submission sheet is modified accordingly regarding the supply of items.
8. The Registrar General, High Court of Madhya Pradesh has right to alter the scope of work as per the requirement.
9. All Prospective bidders are requested to submit the bid with all relevant documents and product brochures / catalogues
10. On introduction of new levy / taxes / duties the rate / price of items shall change in same proportionate.
11. For all future correspondence / addendum / corrigendum, please refer to the website of the High Court [www.mphc.gov.in](http://www.mphc.gov.in) and Government tender portal [www.mptenders.gov.in](http://www.mptenders.gov.in).

**Sd/-**  
**PRINCIPAL REGISTRAR (VIG.)**