

OSMANIA UNIVERSITY, HYDERABAD
CAMPUS-WIDE CCTV VIDEO SURVEILLANCE SYSTEM
AUTHORITY'S RESPONSE TO PRE-BID QUERIES - 20-APR-2016

#	RFP Section / Clause No.	Page No.	Original Tender (RFP Content)	Content in the RFP requiring clarifications	Clarifications Sought / Suggestions by the Applicant	Authority's Response to Pre-Bid Queries
1	3	11	Tender Schedule: 20-April-2016 by 3:00 pm	Date Of Extension	Kindly extend the date of submission as the Pre bid queries replies has to be considered in our Proposals.	The Tender Schedule dates are revised as: 1) Date & Time Submission of Bids - 3-May-2016 by 3:00 pm 2) Opening of Pre-Qualifications Bids - 3-May-2016 by 3:30 pm 3) Opening of Technical Bids - 7-May-2016 at 3:00 pm 4) Start Demo of Technical Demo / PoC - 7-May-2016 5) End of Technical Demo/PoC - 11-May-2016
2	4 (S. No. 2)	13	Earnest Money Deposit (EMD)	Earnest Money Deposit: . 25,00,000 (Rupees Twenty Five Lakh Only) paid through DD from any Nationalized / Scheduled Bank in favor of "Registrar, Osmania University, Hyderabad"	We request you to kindly accept BG instead of DD as EMD.	No change is contemplated
3	6.1	16	PRE-QUALIFICATION CRITERIA	The Applicant should have overall revenue (gross income) an average of 15 Crores from CCTV Surveillance (safety and security)/IT/Telecom business in the last 3 financial years as on March 31, 2015. In case of consortium partner should have average annual revenue (gross income) of INR 1.0 Crore should be from CCTV Surveillance (Safety & Security)/IT/Telecom domain in last 3 financial years as on March 31, 2015.	Since financial year of 2015-16 is complete, kindly permit bidders with audited P&L Statements upto 31 March 2016 to take into account the latest year's turnover & experience	It is revised to: The additional supporting documents required from Applicant and Consortium partners for the financial year 2016 as follows: * Provisional P&L/Balance sheet and certificaion from Chartered Account certifying the FY 2016 provisional turnover in the respective domain as defined in RFP. The calculation of average revenue and networth will be considered according to the number of financial years where documents are submitted. (i.e., 2012 to 2016). Note: In absence of provisional certificates for FY 2016, the calculation of average revenue and networth will be calculated based on the previous years. (i.e., 2012 to 2015)
4	6.1	16	Pre-Qualification Criteria: The Applicant (all the members in case of consortium) must be a registered company in India, registered under the Company Act, 1956. The Applicant is operating in Hyderabad for the last 3 years as on March 31, 2015.	The Applicant (including consortium partners) should have cumulative positive net profit in the last 3 years as on Financial Year March 2015	Please allow till March 2016 with Provisinal P&L statements from bidders as the financial year has ended.	No change is contemplated
5	6.1 (S. No. 3)	16	Pre-Qualification Criteria	The Applicant should have overall revenue (gross income) an average of 15 Crores from CCTV Surveillance (safety and security)/IT/Telecom business in the last 3 financial years as on March 31, 2015. In case of consortium partner should have average annual revenue (gross income) of INR 1.0 crore should be from CCTV Surveillance (Safety & Security domain)/IT/Telecom domain in last 3 financial years as on March 31, 2015	We draw your attention to follow the CVC guidelines for Eligibility criteria for Turn over of the company document attached for your ready reference.	No change is contemplated
6	6.1 (S. No. 6)	17	Pre-Qualification Criteria: The Applicant should have experience in IP Based High Definition CCTV surveillance project involving integration with Central Command and Control Center and executed at least one project with a minimum of 50 cameras in outdoor / City surveillance in government / public sector organizations.	The Applicant should have experience in IP Based High Definition CCTVsurveillance project involving integration with Central Command and Control Center and executed at least one project with a minimum of 50 cameras in outdoor / City surveillance in government / public sector organizations.	Request to consider experience w.r.t work done in private sectors.	No change is contemplated

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7	6.1 (S. No. 6)	17	Pre-Qualification Criteria	The Applicant should have experience in IP based High Definition CCTV surveillance project involving integration with Central Command and Control Center and executed at least one project with a minimum of 50 cameras in outdoor / city surveillance in government / public sector organizations	Request to consider experience w.r.t work done in private sectors & relax points.	No change is contemplated
8	6.2 (k)	19	Scope of Work: The Authority already established campus-wide underground fiber network backbone covering the large area of the premises. The existing network is being used for their internal internet traffic by each department. It is in the scope of the Applicant to plan additional underground fiber network as extension to the backbone where adequately not covered. The last mile connectivity through underground cabling from the nearest fiber backbone to the camera point is also in the scope of the Applicant. The approximate distance of last mile connectivity details at each camera is provided in the Annexure.	It is in the scope of the Applicant to plan additional underground fiber network as extension to the backbone where adequately not covered.	Can we use the existing network connectivity from department buildings to Main Admin Building .	The Scope of Work is revised to: The Authority already established campus-wide underground fiber network backbone covering the large area of the premises. The existing network is being used for their internal internet traffic by each department. It is in the scope of the Applicant to plan additional underground fiber network as extension to the backbone where adequately not covered. The last mile connectivity through underground cabling from the nearest fiber backbone to the camera point is also in the scope of the Applicant. The approximate distance of last mile connectivity details at each camera is provided in the Annexure. There are two types of underground cable laying scenarios exists and the pricing should be quoted accordingly in the Section 13.2 - BOQ: 1) Additional Cable laying through the existing underground 40mm inner dia HDPE pipe throughout the campus 2) Cable laying through new underground 40mm HDPE pipe
9	6.2 (k)	19	Scope of Work: k) The Authority already established campus-wide underground fiber network backbone covering the large area of the premises. The existing network is being used for their internal internet traffic by each department. It is in the scope of the Applicant to plan additional underground fiber network as extension to the backbone where adequately not covered. The last mile connectivity through underground cabling from the nearest fiber backbone to the camera point is also in the scope of the Applicant. The approximate distance of last mile connectivity details at each camera is provided in the Annexure.	k. It is in the scope of the Applicant to plan additional underground fiber network as extension to the backbone where adequately not covered.	Can existing network connectivity be used between department buildings & Main Admin Building	The Scope of Work is revised to: The Authority already established campus-wide underground fiber network backbone covering the large area of the premises. The existing network is being used for their internal internet traffic by each department. It is in the scope of the Applicant to plan additional underground fiber network as extension to the backbone where adequately not covered. The last mile connectivity through underground cabling from the nearest fiber backbone to the camera point is also in the scope of the Applicant. The approximate distance of last mile connectivity details at each camera is provided in the Annexure. There are two types of underground cable laying scenarios exists and the pricing should be quoted accordingly in the Section 13.2 - BOQ: 1) Additional Cable laying through the existing underground 40mm inner dia HDPE pipe throughout the campus 2) Cable laying through new underground 40mm HDPE pipe
10	6.2	19	Scope of Work:	Site Survey – Back bone fiber	Please allow to do the site survey again as the scope of back bone fiber is not clear whether it is authority scope or bidders scope?	Contact the Authority for the site survey.

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11	62 (v)	20	Scope of Work: The CCTV system should capture the live video stream, store, retrieve and analyze video images to enable surveillance & monitoring thus increase operational efficiency. The CCTV system should have the motion detection enabled on all cameras to minimize the storage space when there is no movement in the night at each of the sites	V) ONVIF Profile S&G Complaint for camera	Please allow Onvif Profile S or G as mentioned in the product technical specifications. Only one camera OEM among 5 allowed OEMs offer profile G. The functionality of accessing the SD card is possible from VMS without profile G	The Bidder and OEM has to provide an undertaking the responsibility for their proposed solution where the local storage on the camera (Micro SD slot) can be accessed by any local & remote VMS even if camera is ONVIF Profile G non-compliant In case of any failure in accessing the local storage, the Bidder and OEM would take the responsibility of providing alternate solution or replacement of cameras at any point of time during the period of contract.
12	6.2	20	Scope of Work: The CCTV system should capture the live video stream, store, retrieve and analyze video images to enable surveillance & monitoring thus increase operational efficiency. The CCTV system should have the motion detection enabled on all cameras to minimize the storage space when there is no movement in the night at each of the sites	V) ONVIF Profile S&G Complaint for camera	Kindly consider Onvif Profile S or G as given in technical specifications. Only one camera OEM among 5 allowed OEMs offer profile G. The functionality of accessing the SD card is possible from VMS without profile G. Ref: http://www.onvif.org/ConformantProducts/ProfileProducts.aspx	The Bidder and OEM has to provide an undertaking the responsibility for their proposed solution where the local storage on the camera (Micro SD slot) can be accessed by any local & remote VMS even if camera is ONVIF Profile G non-compliant In case of any failure in accessing the local storage, the Bidder and OEM would take the responsibility of providing alternate solution or replacement of cameras at any point of time during the period of contract.
13	6.3 (h)	21	General Terms & Conditions	The Authority provides the raw power source; the Applicant's responsibility should connect the cameras and other equipment from the nearest power source. The material and equipment needed to connect the power source and stability of the power such as surge, spikes etc., is in the scope of the Applicant. However, UPS should be planned in the scope of the Applicant at every location	Lightening/Surge Protection equipment scope. OU or Bidder?	No change is contemplated
14	6.3 (h)	22	6.3 GENERAL TERMS & CONDITIONS	h. The Authority provides the raw power source; the Applicant's responsibility should connect the cameras and other equipment from the nearest power source. The material and equipment needed to connect the power source and stability of the power such as surge, spikes etc., is in the scope of Applicant. However, UPS should be planned in the scope of the Applicant at every location.	UPS Qty mentioned in BOQ is only 30. Please confirm if this quantity is sufficient. Are other camera locations provided with un-interrupted power sources ?	Refer to Addendum No. 1 for section 13.2 - BOQ for CCTV System at OU Campus
15	6.4 (k)	24	6.4. PROJECT IMPLEMENTATION	k. The Applicant is required to cover insurance for all the material, manpower till the project is completed. Evidence of such insurance policy copy shall be submitted to the Authority. Apart from this, the Applicant is required to meet all statutory obligations from labour, service tax, and any other government agencies.	No Insurance policy available for Outdoor electronic equipment. Kindly remove this clause or clarify that this policy should only be till the time of completion of installation.	It is revised to: k. The Applicant is required to cover insurance for all the material and manpower until 90 days from the date of FAT by the Authority. Evidence of such insurance policy copy shall be submitted to the Authority. Apart from this, the Applicant is required to meet all statutory obligations from labour, service tax, and any other government agencies.

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16	6.4 (k)	24	Project Implementation	The Applicant is required to cover insurance for all the material, manpower till the project is completed. Evidence of such insurance policy copy shall be submitted to the Authority. Apart from this, the Applicant is required to meet all statutory obligations from labour, service tax, and any other government agencies.	Security of the equipment after installation... Since most of the Cameras are outdoor, there are chances that they may be stolen or damage may happen.	No change is contemplated
17	6.22	28	REJECTION OF BIDS	REJECTION OF THE BID: The Bid shall be submitted duly filled by downloading application form in RFP from the Authority website. Bids submitted by Telex, fax or email would not be entertained. Bid may be rejected at any stage of the evaluation if it is found that the company has provided misleading information or has been black-listed by a central or any state government or has indulged in any malpractice / unethical practice and has not honored contractual obligation elsewhere. A bid that does not meet all qualification criteria or is not responsive shall be rejected by the Authority and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation by the Applicant. The Applicant may seek reason/clarification for rejection of its bid.	Min Deviation in technical specs. Being mentioned as No deviation tender, it's not possible for all the vendors to submit 100% complied bid. In such scenarios can we submit bid with minimum deviation with relevant justification/clarification.	Evaluation of technical bid criteria will provide proper weightage for number of deviations against the specifications.
18	6.28	30	Delivery of Supply	The successful Applicant shall deliver the complete supply of material as per the project/milestone plan submitted to the Authority. The Authority would provide the adequate space for the storage of supply and the items supplied by the Applicant should be stored at the designated area approved by the Authority. All the expenses involved in shipping the equipment to the Authority will be borne by the Applicant. All aspects of safe delivery shall be the exclusive responsibility of the Applicant. The delivery of supply is in the custody of the Applicant until the Final Acceptance of the System is done by the Authority. Any damages or lost items are the responsibility of the Applicant during this period. It is the responsibility of the Applicant to insure the equipment during the period of installation and commissioning until the entire CCTV system is handed over to the Authority. The Authority will have the right to reject the material supplied, if it does not comply with the specifications at any point of installation/ inspections. * OEM Authorization Form duly authorized by respective OEM on their letter is mandatory for all hardware and software items * All licenses for the software and software subscriptions, should in the name of *Registrar,	Please give break up for material supply delivery period and installation period.	Refer to Addendum No. 1 for section 6.31- project completion

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19	6.28	30	Delivery of Supply	<p>The successful Applicant shall deliver the complete supply of material as per the project/milestone plan submitted to the Authority. The Authority would provide the adequate space for the storage of supply and the items supplied by the Applicant should be stored at the designated area approved by the Authority. All the expenses involved in shipping the equipment to the Authority will be borne by the Applicant. All aspects of safe delivery shall be the exclusive responsibility of the Applicant. The delivery of supply is in the custody of the Applicant until the Final Acceptance of the System is done by the Authority. Any damages or lost items are the responsibility of the Applicant during this period. It is the responsibility of the Applicant to insure the equipment during the period of installation and commissioning until the entire CCTV system is handed over to the Authority. The Authority will have the right to reject the material supplied, if it does not comply with the specifications at any point of installation/ inspections.</p> <p>* OEM Authorization Form duly authorized by respective OEM on their letter is mandatory for all hardware and software items</p> <p>* All licenses for the software and software subscriptions, should in the name of "Registrar, Osmania University, Hyderabad"</p>	Please give break up for material supply delivery period and installation period.	Refer to Addendum No. 1 for section 6.31- project completion
20	6.31	31	<p>6.31. PROJECT COMPLETION</p> <p>The successful Applicant shall submit the detailed project plan along with major milestone dates to the Authority within 15 days from the date of signing the contract. The major milestones are define below and should be part of the project plan as:</p> <p>i) Project Start Date (Not later than 15th day from the date of signing the contract</p> <p>ii) Completion of System Installation Date – The complete system installed including at control room and ready for initial testing</p> <p>iii) Final Acceptance Test (FAT) – Readiness for the Authority testing & Acceptance</p> <p>iv) Project Completion Date – This include Go-Live, complete documentation, Training and Stabilization start date. This should be within 120 days from the seventh date of singing of the contract.</p> <p>v) The Operations and Maintenance (O&M) start would be after completion of the project closure process.</p> <p>vi) Project Closure – 30 days from the Project Completion date for system stabilization and smooth functioning of</p>	PROJECT COMPLETION of 120 days	<p>Exact time period for meterial delivery?</p> <p>Exact time period for installation and commissioning?</p>	Refer to Addendum No. 1 for section 6.31- project completion

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21	6.31	31	<p>PROJECT COMPLETION</p> <p>The successful Applicant shall submit the detailed project plan along with major milestone dates to the Authority within 15 days from the date of signing the contract. The major milestones are define below and should be part of the project plan as:</p> <p>i) Project Start Date (Not later than 15th day from the date of signing the contract)</p> <p>ii) Completion of System Installation Date – The complete system installed including at control room and ready for initial testing</p> <p>iii) Final Acceptance Test (FAT) – Readiness for the Authority testing & Acceptance</p> <p>iv) Project Completion Date – This include Go-Live, complete documentation, Training and Stabilization start date. This should be within 120 days from the seventh date of singing of the contract.</p> <p>v) The Operations and Maintenance (O&M) start would be after completion of the project closure process.</p> <p>vi) Project Closure – 30 days from the Project Completion date for system stabilization and smooth functioning of</p>	PROJECT COMPLETION of 120 days	<p>Exact time period for meterial delivery?</p> <p>Exact time period for installation and commissioning?</p>	Refer to Addendum No. 1 for section 6.31- project completion
22	6.34	34	<p>EARNEST MONEY DEPOSIT (EMD)</p> <p>All Applicant's paid EMD of Rs. 25,00,000 (Rupees Twenty Five Lakh only) will carry forwarded against this tender, any objections should be communicated immediately if Applicant would like to exit from the project.</p> <p>Earnest Money is liable to be forfeited and bid is liable to be rejected, if the Applicant withdraw or amend, impairs or derogates from the tender in any respect within the period of validity of the tender.</p> <p>* The earnest money of all the unsuccessful Applicants will be returned as early as possible after the expiration of the period of the bid validity but not later than 30 days of the issue of the purchase order. No interest will be paid by the Authority on the Earnest Money Deposit.</p> <p>* The Earnest Money of successful Applicant shall be returned after acceptance of the material subject to submission of Performance Bank Guarantee of the amount equivalent to 10% of the contract value.</p>	EMD	Kindly allow to submit BG as EMD.	No change is contemplated

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23	6.37	35	Liquidated Damages	<p>If the successful Applicant fails to meet the milestone date of completion as per project/milestone plan, the Authority shall without any prejudice to its other remedies, deduct liquidated damages as below:</p> <p>a) 1% of the contract value of the project/milestone late delivered or deemed late delivered for one week or part thereof from the agreed completion date b) 1.5% for Two weeks or part thereof c) 2% for Three weeks or part thereof d) 2.5% for 4 weeks or part thereof and so on e) Max. 10% of the contract value of the project late delivery or deemed late delivered</p> <p>However, the Authority reserves the right to review the project beyond one week of delay, as deemed necessary the project may be cancelled at no cost to the Authority.</p>	<p>1. Late delivery or Deemed Late delivery ? 2. Not cleared whether LD will deduct on Materials portion or Total contract value ? Since the delivery period is not mentioned in tender then how LD will be calculated or from which date/period? 3. Also need clarifications for LD on Installation part. Exact time frame for LD calculation is required. Is it applicable on material delivery or first time installation period or total completion of project time period of 5 years?</p>	<p>It is revised to: If the successful Applicant fails to meet the milestone date of completion as per project/milestone plan, the Authority shall without any prejudice to its other remedies, deduct liquidated damages as below:</p> <p>a) 1% of the contract value of the project/milestone late delivered or deemed late delivered for one week or part thereof from the agreed completion date b) 1.5% of contract value for Two weeks or part thereof c) 2% of contract value for Three weeks or part thereof d) 2.5% of contract value for 4 weeks or part thereof and so on e) Max. 10% of the contract value of the project late delivery or deemed late delivered</p> <p>However, the Authority reserves the right to review the project beyond one week of delay, as deemed necessary the project may be cancelled at no cost to the Authority. Note: The definition of milestone date of project completion as per revised section 6.31 - Project Completion. Refer to Addendum No. 1</p>
24	6.37	35	Liquidated Damages	<p>If the successful Applicant fails to meet the milestone date of completion as per project/milestone plan, the Authority shall without any prejudice to its other remedies, deduct liquidated damages as below:</p> <p>a) 1% of the contract value of the project/milestone late delivered or deemed late delivered for one week or part thereof from the agreed completion date b) 1.5% for Two weeks or part thereof c) 2% for Three weeks or part thereof d) 2.5% for 4 weeks or part thereof and so on e) Max. 10% of the contract value of the project late delivery or deemed late delivered</p> <p>However, the Authority reserves the right to review the project beyond one week of delay, as deemed necessary the project may be cancelled at no cost to the Authority.</p>	<p>1. Late delivery or Deemed Late delivery ? 2. Not cleared whether LD will deduct on Materials portion or Total contract value ? Since the delivery period is not mentioned in tender then how LD will be calculated or from which date/period? 3. Also need clarifications for LD on Installation part. Exact time frame for LD calculation is required. Is it applicable on material delivery or first time installation period or total completion of project time period of 5 years?</p>	<p>It is revised to: If the successful Applicant fails to meet the milestone date of completion as per project/milestone plan, the Authority shall without any prejudice to its other remedies, deduct liquidated damages as below:</p> <p>a) 1% of the contract value of the project/milestone late delivered or deemed late delivered for one week or part thereof from the agreed completion date b) 1.5% of contract value for Two weeks or part thereof c) 2% of contract value for Three weeks or part thereof d) 2.5% of contract value for 4 weeks or part thereof and so on e) Max. 10% of the contract value of the project late delivery or deemed late delivered</p> <p>However, the Authority reserves the right to review the project beyond one week of delay, as deemed necessary the project may be cancelled at no cost to the Authority. Note: The definition of milestone date as per the project plan submitted by the Applicant in line with the guidelines provided as per revised section 6.31 - Project Completion. Refer to Addendum No. 1</p>
25	6.36 & 6.38	35	Delivery & Arbitration	Disputes	There is a discrepancy in the clause 6.36 and 6.38. Please confirm the mutually appointed independent arbitrators as per 6.38 clause	No change is contemplated. No clarity

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26	6.38	35	Arbitration	<p>Any Dispute which is not resolved amicably by conciliation between the Parties, shall be finally decided by reference to arbitration by an Arbitral Tribunal appointed in accordance with Clause 6.36 (ii). Such arbitration shall be held in accordance with the Rules of Arbitration of the International Centre of Alternative Dispute Resolution, New Delhi (the "Rules"), or such other rules as may be mutually agreed by the Parties, and shall be subjected to the provisions of the Arbitration and Conciliation Act, 1996. The venue of such arbitration shall be at Hyderabad and the language of arbitration proceedings shall be English.</p> <p>There shall be an Arbitral Tribunal of the three arbitrators, of whom each Party shall select one, and the third arbitrator shall be appointed by the two arbitrators so selected; and in the event of disagreement between the two arbitrators, the appointment shall be made in accordance with the Rules.</p> <p>The arbitrators shall make a reasoned award (the "Award"). Any Award made in any arbitration held pursuant to the clause shall be</p>	Dispute in the clause as no reference of 6.36 (ii)	<p>The section is revised to: 6.38 - ARBITRATION</p> <p>i) Any Dispute which is not resolved amicably by conciliation between the Parties, shall be finally decided by reference to arbitration by an Arbitral Tribunal appointed in accordance with Clause 6.38 (ii). Such arbitration shall be held in accordance with the Rules of Arbitration of the International Centre of Alternative Dispute Resolution, New Delhi (the "Rules"), or such other rules as may be mutually agreed by the Parties, and shall be subjected to the provisions of the Arbitration and Conciliation Act, 1996. The venue of such arbitration shall be at Hyderabad and the language of arbitration proceedings shall be English.</p> <p>ii) There shall be an Arbitral Tribunal of the three arbitrators, of whom each Party shall select one, and the third arbitrator shall be appointed by the two arbitrators so selected; and in the event of disagreement between the two arbitrators, the appointment shall be made in accordance with the Rules.</p> <p>iii) The arbitrators shall make a reasoned award (the "Award"). Any Award made in any arbitration held pursuant to the clause shall be final and binding on the Parties as from the date it is made, and the Applicant and the Authority agree and undertake to carry out such Award without delay.</p> <p>iv) The Applicant and the Authority agree that an Award may be enforced against the Applicant and/or the Authority, as the</p>
27	7.1	37	COMMERCIAL TERMS AND CONDITIONS 7.1. PAYMENT TERMS	<p>a) 50% of the contract value will be paid against the 100% material delivery and invoices submitted as per the contract scope.</p> <p>b) 10% of the balance contract value is paid against the invoices submitted after successful completion of FAT by the Authority.</p> <p>c) 10% of the balance contract value is paid after 30-days from the date of completion of FAT subject to satisfactory performance certified by the Authority.</p> <p>d) 10% of the balance contract value is paid as final payment after one year successful and satisfactory performance of the system as certified by the Authority.</p> <p>e) 5% of the balance contract value is paid each at the completion of each of the warranty year from 2nd year onwards subject to satisfactory performance of the system as certified by the Authority. I.e.,</p> <p>i) 2nd year – 5%; 3rd year – 5%; 4th year – 5% and 5th year – 5%</p>	<p>1) We would like to bring to your notice that mobilization advance of 15% of the contract value against PBG is necessary to quick start the works port awarding the project.</p> <p>2) Also request to accept payment against supply on prorata basis with max 2 bills per month and 65% of supply payment against supply invoice.</p> <p>3) Final payment 15% against installation. Performance bank guarantee will be provided for the same.</p> <p>3) Request you to please remove cash retention and allow PBG for warranty period.</p>	<p>It is revised to: The Payment Terms subject to submission of Performance Bank Guarantee:</p> <p>a) 50% of the contract value will be paid against the 100% material delivery and invoices submitted as per the contract scope.</p> <p>b) 20% of the balance contract value is paid against the invoices submitted after successful completion of FAT by the Authority.</p> <p>c) 20% of the balance contract value is paid after 30-days from the date of completion of FAT subject to satisfactory performance certified by the Authority.</p> <p>d) 10% of the balance contract value is paid as final payment after one year successful and satisfactory performance of the system as certified by the Authority.</p>

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28	7.1	37	COMMERCIAL TERMS AND CONDITIONS 7.1. PAYMENT TERMS	50% of the contract value will be paid against the 100% material delivery and invoices submitted as per the contract scope. 10% of the balance contract value is paid against the invoices submitted after successful completion of FAT by the Authority. 10% of the balance contract value is paid after 30-days from the date of completion of FAT subject to satisfactory performance certified by the Authority. 10% of the balance contract value is paid as final payment after one year successful and satisfactory performance of the system as certified by the Authority. 5% of the balance contract value is paid each at the completion of each of the warranty year from 2nd year onwards subject to satisfactory performance of the system as certified by the Authority. I.e., i) 2nd year – 5%; 3rd year – 5%; 4th year – 5% and 5th year – 5%	Considerring that Performance Bank Gurantee is being submitted & this being capital intensive project with Material cost being very high. Kindly consider a. 80 % against delivery of 100 % material b. 10 % against FAT c. 10 % after 30 days from FAT This will help save financial cost to the Authority.	It is revised to: The Payment Terms subject to submission of Performance Bank Guarantee: a) 50% of the contract value will be paid against the 100% material delivery and invoices submitted as per the contract scope. b) 20% of the balance contract value is paid against the invoices submitted after successful completion of FAT by the Authority. c) 20% of the balance contract value is paid after 30-days from the date of completion of FAT subject to satisfactory performance certified by the Authority. d) 10% of the balance contract value is paid as final payment after one year successful and satisfactory performance of the system as certified by the Authority.
29	7.1	37	PAYMENT TERMS The following are the payment terms: a) 50% of the contract value will be paid against the 100% material delivery and invoices submitted as per the contract scope. b) 10% of the balance contract value is paid against the invoices submitted after successful completion of FAT by the Authority. c) 10% of the balance contract value is paid after 30-days from the date of completion of FAT subject to satisfactory performance certified by the Authority. d) 10% of the balance contract value is paid as final payment after one year successful and satisfactory performance of the system as certified by the Authority. e) 5% of the balance contract value is paid each at the completion of each of the warranty year from 2nd year onwards subject to satisfactory performance of the system as certified by the Authority. I.e.,	50% of the contract value will be paid against the 100% material delivery and invoices submitted as per the contract scope. 10% of the balance contract value is paid against the invoices submitted after successful completion of FAT by the Authority. 10% of the balance contract value is paid after 30-days from the date of completion of FAT subject to satisfactory performance certified by the Authority. 10% of the balance contract value is paid as final payment after one year successful and satisfactory performance of the system as certified by the Authority. 5% of the balance contract value is paid each at the completion of each of the warranty year from 2nd year onwards subject to satisfactory performance of the system as certified by the Authority. I.e., i) 2nd year – 5%; 3rd year – 5%; 4th year – 5% and 5th year – 5%	Considerring that Performance Bank Gurantee is being submitted & this being capital intensive project with Material cost being very high. Kindly consider a) 50% against delivery of equipment. b) 30% after the issue of Acceptance Certificate. c) 20% against the submission of Performance security for 5 years. This will help save financial cost to the Authority; These are the payment terms in most of the CCTV Projects.	It is revised to: The Payment Terms subject to submission of Performance Bank Guarantee: a) 50% of the contract value will be paid against the 100% material delivery and invoices submitted as per the contract scope. b) 20% of the balance contract value is paid against the invoices submitted after successful completion of FAT by the Authority. c) 20% of the balance contract value is paid after 30-days from the date of completion of FAT subject to satisfactory performance certified by the Authority. d) 10% of the balance contract value is paid as final payment after one year successful and satisfactory performance of the system as certified by the Authority.

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30	7.1	37	<p>7.1. PAYMENT TERMS</p> <p>The following are the payment terms:</p> <p>a) 50% of the contract value will be paid against the 100% material delivery and invoices submitted as per the contract scope.</p> <p>b) 10% of the balance contract value is paid against the invoices submitted after successful completion of FAT by the Authority.</p> <p>c) 10% of the balance contract value is paid after 30-days from the date of completion of FAT subject to satisfactory performance certified by the Authority.</p> <p>d) 10% of the balance contract value is paid as final payment after one year successful and satisfactory performance of the system as certified by the Authority.</p> <p>e) 5% of the balance contract value is paid each at the completion of each of the warranty year from 2nd year onwards subject to satisfactory performance of the system as certified by the Authority. I.e.,</p>	Payment terms	We request you to change the payment terms as the last Instalment is in five years tenure.	<p>It is revised to:</p> <p>The Payment Terms subject to submission of Performance Bank Guarantee:</p> <p>a) 50% of the contract value will be paid against the 100% material delivery and invoices submitted as per the contract scope.</p> <p>b) 20% of the balance contract value is paid against the invoices submitted after successful completion of FAT by the Authority.</p> <p>c) 20% of the balance contract value is paid after 30-days from the date of completion of FAT subject to satisfactory performance certified by the Authority.</p> <p>d) 10% of the balance contract value is paid as final payment after one year successful and satisfactory performance of the system as certified by the Authority.</p>
31	7.1	37	Payment Terms	Payment Terms	<p>Request you to amend the payment terms as follows</p> <ol style="list-style-type: none"> 1. 80% on delivery of material 2. 10% on acceptance of installation 3. 10% within 30 days from date of acceptance 	<p>It is revised to:</p> <p>The Payment Terms subject to submission of Performance Bank Guarantee:</p> <p>a) 50% of the contract value will be paid against the 100% material delivery and invoices submitted as per the contract scope.</p> <p>b) 20% of the balance contract value is paid against the invoices submitted after successful completion of FAT by the Authority.</p> <p>c) 20% of the balance contract value is paid after 30-days from the date of completion of FAT subject to satisfactory performance certified by the Authority.</p> <p>d) 10% of the balance contract value is paid as final payment after one year successful and satisfactory performance of the system as certified by the Authority.</p>
32	7.2	37	7.2 PERFORMANCE SECURITY DEPOSIT	The Applicant should submit the Performance Security Deposit equivalent to 10% of contract value through a demand draft or Performance Bank Guarantee as per the format in Annexure at the time of signing the contract / agreement.	Please reduce the Performance Security Deposit to 5% of contract value	No change is contemplated

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33	7.2	37	<p>PERFORMANCE SECURITY DEPOSIT</p> <p>i) The Applicant should submit the Performance Security Deposit equivalent to 10% of contract value through a demand draft or Performance Bank Guarantee as per the format in Annexure at the time of signing the contract / agreement.</p> <p>ii) The Performance Security Deposit or Performance Bank Guarantee is valid for 60 days beyond the warranty validity period.</p> <p>iii) Successful Applicant's request for payment shall be made to the Authority in writing accompanied by relevant documentation. Payment shall be made by the Authority after submission of the final invoices / claims by the successful Applicant provided that all requisite documents as required under the Contract are submitted by end of the contract period</p>	The Applicant should submit the Performance Security Deposit equivalent to 10% of contract value through a demand draft or Performance Bank Guarantee as per the format in Annexure at the time of signing the contract / agreement.	Please reduce the Performance Security Deposit to 5% of contract value. Higher Performance Security adds up to the bid value.	No change is contemplated
34	7 - 7.1	38		Payment terms needs to be discussed.		No change is contemplated. Not a valid query.
35	10 (S. No. 4)	40	Technical Evaluation : Parameter	Experience in IP based HD CCTV Projects implemented outdoor / city environment with a number of cameras by the Applicant	Request to consider experience w.r.t work done in private sectors & relax points.	No change is contemplated
36	10 (S. No. 4)	40	Technical Evaluation : Evaluation Criteria	> 300 cameras – 10 pts	Kindly revise the points as 10 for above 200 cameras	No change is contemplated
37	10.2	42	4. IMPORTANT INFORMATION Earnest Mo	Earnest Money Deposit: . 25,00,000 (Rupees Twenty Five Lakh Only) paid through DD from any Nationalized / Scheduled Bank in favor of "Registrar, Osmania University, Hyderabad"	We request you to kindly accept BG instead of DD as EMD.	No change is contemplated
38	11	44	Operation and Maintenance Team	The support team during Warrantee and AMC period (O&M) should consists of only experienced persons. The successful Applicant shall provide sufficient manpower onsite for O&M as per the tender conditions. The following staff shall be deployed during O&M Period at site on 365 x 24 x 7 basis in general shift.	Since SLAs are defied, request to allow bidder to decide and deploy the required manpower to meet the SLAs	No change is contemplated
39	11	44	11.OPERATION & MAINTENANCE TEAM	OPERATION & MAINTENANCE TEAM	Since SLAs are defied, request to allow bidder to decide and deploy the required manpower to meet the SLAs	No change is contemplated
40	11	44	Operation and Maintenance team - Deploying of dedicated Manpower	Operation and Maintenance team - Deploying of dedicated Manpower	we request you to kindly remove the dedicated manpower as it will add lot of cost to the project, Instead please mention as the System Integrator should provide sufficient manpower for meeting the SLA	No change is contemplated
41	13.2 (S. No. 4)	59	High quality external microphone	High quality external microphone	Based on the BOQ & scope of work breif, we identified that audio recording through external microphone in VMS is required for certain locations. Kindly confirm the same as well.	Refer to Addendum No. 1 for section 13.2 - BOQ for CCTV System at OU Campus

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42	13.2 (S. No. 10)	59	13.2. BILL-OF-QUANTITY (BOQ) FOR CCTV SYSTEM AT OU CAMPUS 8 UTP + 2 Fiber Port PoE Edge L2 Switch (IG) + SFP module Industrial Grade (outdoor) Nos 52	8 UTP + 2 Fiber Port PoE Edge L2 Switch (IG) + SFP module Industrial Grade (outdoor)	In regard of Industrial grade outdoor switch, we would like to highlight following concerns: 1) Considering the outdoor location and cameras required at each outdoor location, a 4 port industrial grade switch would be sufficient to meet the network requirement. 2) The specifications of Industrial grade switch are not mentioned in tender. So would request you to consider following minimum specifications for outdoor switch: " 4 10/100/1000 Base-T PoE+ ports and 2 1G SFP slots with PoE budget of 120W (4x30w), sflow, IGMP, MLD snooping, sub 50ms ring protection with L3 switch interoperability, IEEE 802.1x, CLI, USB port, GUI, SNMPv1/v2/v3, operating temperature 0-65C, IP 30 rating, DIN Rail Mounting, Dual power Inputs"	Refer to Addendum No. 1 for section 13.2 - BOQ for CCTV System at OU Campus
43	13.2 (S. No. 19)	59	UPS 1 KVA at critical camera locations with 2 hours backup	UPS 10KVA at Control Room with 1 hr backup and 2 sets of batteries for 3 years	10KVA load specified in the Master Control room will not be sufficient for the hardware to be provided . Need 4-5 10KVA with full load.	Refer to Addendum No. 1 for section 13.2 - BOQ for CCTV System at OU Campus
44	13.2 (S. No. 19)	59	UPS 10KVA at Control Room with 1 hr backup and 2 sets of batteries for 3 years UPS 1 KVA at critical camera locations with 2 hours backup	19. UPS 10KVA at Control Room with 1 hr backup and 2 sets of batteries for 3 years	10KVA load specified in the Master Control room will not meet the power requirement of hardware, require 4-5 10KVA with full load.	Refer to Addendum No. 1 for section 13.2 - Unpriced BOQ for CCTV System at OU Campus
45	13.2	59	BILL-OF-QUANTITY (BOQ) FOR CCTV SYSTEM AT OU CAMPUS	There are many techno commercial clauses mentioned in the tender document. Our Legal and contractual team is reviewing the same.	Request you to suggest a way to submit our proposal with techno commercial deviations. Request you to please specify a format to mention the deviation with justification.	Refer to Addendum No. 1 for section 13.4 - Priced BOQ for CCTV System at OU Campus
46	13.2 (S. No. 2)	59	BILL-OF-QUANTITY (BOQ) FOR CCTV SYSTEM AT OU CAMPUS	Multiple OEM's for Cameras	Request you to please suggest if we can choose multiple OEM's for cameras based on the requirement and types of cameras. For example for PTZ camers one OEM and for Fixed cameras different OEM	The selection of OEMs should be considered at line item level of BOQ. However, each line item should have only single OEM.
47	13.2	59	BILL-OF-QUANTITY (BOQ) FOR CCTV SYSTEM AT OU CAMPUS	BOQ Table	Quantities of line items can be considered at actuals? If any deviation as per the site requirement, can we get amendment?	Refer to Addendum No. 1 for section 13.2 - BOQ for CCTV System at OU Campus
48	13.2 (S. No. 35)	60	CONTROL ROOM RELAYOUT & FURNISHING - 33 X 22 SQ.FT)	35. Control Room Relay out& furnishing 33*22 SQFT	Please provide details of furnishings to be done at control room	The furnishing and interiors activities are in the scope of the Authority. However, the CCTV system related components installations, network/power/other cable laying, power connectivity and other CCTV system related work is in the scope of the Applicant. It is the responsibility of the successful Applicant to provide the all cable routing drawings, civil & mechanical if any related to CCTV system work details.

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49	13.2 (S. No. 35)	61	CONTROL ROOM RELAYOUT & FURNISHING - 33 X 22 SQ.FT) SET 1	CONTROL ROOM RELAYOUT & FURNISHING- 33 X 22 SQ.FT)	CONTROL ROOM RELAYOUT & FURNISHING- 33 X 22 SQ.FT)	The furnishing and interiors activities are in the scope of the Authority. However, the CCTV system related components installations, network/power/other cable laying, power connectivity and other CCTV system related work is in the scope of the Applicant. It is the responsibility of the successful Applicant to provide the all cable routing drawings, civil & mechanical if any related to CCTV system work details.
50	13.2 (S. No. 35)	61	CONTROL ROOM RELAYOUT & FURNISHING - 33 X 22 SQ.FT) SET 1	CONTROL ROOM RELAYOUT & FURNISHING- 33 X 22 SQ.FT)	CONTROL ROOM RELAYOUT & FURNISHING- 33 X 22 SQ.FT)	The furnishing and interiors activities are in the scope of the Authority. However, the CCTV system related components installations, network/power/other cable laying, power connectivity and other CCTV system related work is in the scope of the Applicant. It is the responsibility of the successful Applicant to provide the all cable routing drawings, civil & mechanical if any related to CCTV system work details.
51	13.2 (f)	62	BILL-OF-QUANTITY (BOQ) FOR CCTV SYSTEM	F) ** - The Applicant is expected to carry out the Server, Storage with appropriate NAS box equipment, VMS & other Application software requirement estimation and supply as per the solution proposed. They may also refer to the bandwidth estimation as provided in the document. The Applicant may supply the storage in modular manner during the implementation.	Please let know whether bidder can propose the solution with DAS as storage as it can give more bandwidth compare to NAS.	No change is contemplated
52	13.2 (f)	62	f) ** - The Applicant is expected to carry out the Server, Storage with appropriate NAS box equipment, VMS & other Application software requirement estimation and supply as per the solution proposed. They may also refer to the bandwidth estimation as provided in the document. The Applicant may supply the storage in modular manner during the implementation.	F) ** - The Applicant is expected to carry out the Server, Storage with appropriate NAS box equipment, VMS & other Application software requirement estimation and supply as per the solution proposed. They may also refer to the bandwidth estimation as provided in the document. The Applicant may supply the storage in modular manner during the implementation.	Please let know whether bidder can propose the solution with DAS as storage as it can give more bandwidth compare to NAS.	No change is contemplated
53	14.1	63	INSTRUCTIONS TO BIDDERS:	OEM should have a full fledge ROC registered office in India and operational since last 3 years as on March 31, 2015. OEM should have a support center in Hyderabad operational since last 3 years as on March 31, 2015.	As it is Bidder's ownership of delivering the project to Customer, we recommend responsibility of Bidder to provide due support for proposed systems. Approved OEMs will have support center within India.	OEM should have a full fledge ROC registered office in India and operational since last 3 years as on March 31, 2015. OEM should have a support center in India operational since last 3 years as on March 31, 2015.
54	14.1	63	14.1. COMPONENT APPROVED MAKES	Approved Makes; VMS	Request to also allow VMS from the same make of Camera which matches all the requirements for the video management software with more than 45 different 3rd party cameras including all the camera brands mentioned in the tender. The software supports most of the local languages with built-in video analytics.	Refer to Addendum No. 1 for Section 14.9 - VMS
55	14.1	63	Network Switches L2 Switches (Non Industrial Grade) Approved Makes are: Allied Telesis, Cisco, Extreme, Juniper	Network Switches	Please allow switches such as Netgear, TP-link & Digisol, which are approved & presently used in community CCTV Project for Hyderabad & Cyberabad.	No change is contemplated

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56	13.3 (ii)	63	ii) The storage calculation should be worked out based on the below points: * 30 day recording for 24-hour camera location * Recording at 18 FPS with motion detection	The storage calculation should be worked out based on the below points: • 30 day recording for 24-hour camera location • Recording at 18 FPS with motion detection	Please let know whether recording to be done continuously or motion based.	It is revised to: ii) The storage calculation should be worked out based on the below points: * 30 day recording for 24-hour camera location * Recording at 25 FPS with continuous recording
57	13.3 (ii)	63	ii) The storage calculation should be worked out based on the below points: * 30 day recording for 24-hour camera location * Recording at 18 FPS with motion detection	The storage calculation should be worked out based on the below points: • 30 day recording for 24-hour camera location • Recording at 18 FPS with motion detection	Please let know whether recording to be done continuously or motion based.	It is revised to: ii) The storage calculation should be worked out based on the below points: * 30 day recording for 24-hour camera location * Recording at 25 FPS with continuous recording
58	14.1	63	VMS/Recording/Application/Database Servers Dell, IBM, HP (No assembled machines	Approved Makes; VMS	Request to also allow Infinova VMS which meets all the requirements for the video management software with more than 50 different 3rd party	Refer to Addendum No. 1 for Section 14.9 - VMS
59	14.1 (i)	63	INSTRUCTIONS TO BIDDERS:	(i) All quoted items, components are already deployed in the field and satisfactorily working in the last 6 months for respective OEMs and must have deployed at least one similar project of this tender size. The Bidder should submit the proof of the project deployment with respective item details from the OEM.	Kindly consider other projects experience w.r.t "Similar Project experience" by OEMs.	No change is contemplated
60	14.1	63	VMS/Recording/Application/Database Servers Dell, IBM, HP (No assembled machines accepted)	Video Management Software (VMS)	The tender specifies only Genetec, Milestone, Nice, Verint as approved makes of Video Management Solutions. Duranc VMS is state of the art technology and is recognized as one of the top players by the Global Industry Analysts. Please refer: http://www.strategyr.com/pressMCP-7903.asp We request you to consider and add Duranc also as approved Make for the VMS so that University can take benefit of the advanced features offered by Duranc VMS	No change is contemplated
61	14.1	63	VMS/Recording/Application/Database Servers Dell, IBM, HP (No assembled machines accepted)	Video Management Software (VMS) Approved makes are Genetec, Milestone, Nice, Verint,	Request the authority to include Videonetics in the approved makes. We have used Videonetics VMS software in securing critical infrastructure industries such as Energy and Power establishments successfully.	No change is contemplated
62	14.1	63	VMS/Recording/Application/Database Servers Dell, IBM, HP (No assembled machines accepted)	Video Management Software (VMS) Approved makes are Genetec, Milestone, Nice, Verint,	Request the authority to include Videonetics in the approved makes. We have used their VMS software in city surveillance requirements in upcountry Telanga and AP regions.	No change is contemplated
63	14.1	63	VMS/Recording/Application/Database Servers Dell, IBM, HP (No assembled machines accepted)	Video Management Software (VMS) Approved makes are Genetec, Milestone, Nice, Verint,	Request the authority to include Videonetics in the approved makes. We are trained and used Videonetics VMS software in securing other establishments in different projects and would like to propose the same in Osmania.	No change is contemplated

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64	14.1	63	Component Appvoed Makes	CCTV Camera : Arecont, Axis, Infinova, Pelco, Sony	Kindly Add Panasonic as one of the approved makes as the same has been tested by Telangana Police department and acknowledged as technically better than other products	No change is contemplated
65	14.3	63	Component Appvoed Makes	CCTV Camera : Arecont, Axis, Infinova, Pelco, Sony	We Hikvision as a Brand have already done such large projects in Education Segment with full satisfaction, also as per IHS report we are globally accepted no.1 brand in video surveillance market. We request you to kindly consider Hikvision Brand in the Tender as an approved make. As an OEM We have PAN India presence with 27 Branches including Local Service & Technical Support in Hyderabad We have full fledged ROC registered office in India since 7th, Sept, 2009 IK10 certification is incorporated for vandal proof cameras & shall be necessary in RFP	No change is contemplated
66	14.1	63	Component Appvoed Makes	The makes mentioned are not fully complying with the technical specifications	Request you to kindly include NETGEAR/DGLINK	No change is contemplated
67	14.1	63	Component Appvoed Makes	Cameras & VMS	Recommend to include Honeywell as OEM for both Cameras & VMS.	No change is contemplated
68	14.1	63	Component Appvoed Makes	VMS	Please provide detailed specifications of VMS requirement.	Refer to Addendum No. 1 for Section 14.9 - VMS
69	14.1	63	Component Appvoed Makes	CCTV Cameras: Arecont, Axis, Infinova, Pelco, Sony	We request to consider Panasonic brand which is equivalent to makes mentioned in the tender which is having all required certifications. The mentioned makes are already blocked by the few system integrators and OEM are not willing to support the case Panasonic is Made in Japan.	No change is contemplated
70	14.1	63	Component Appvoed Makes	Display LED 42" & Above	42" is no longer a standard size provided by the recommended make given in the tender. Hence requesting you to consider 40" LED display monitor for the same. Also please clarify the Aspect Ratio 16:9	No Change is contemplated
71	14.1	63	Component Appvoed Makes	8. Data Cabling - Cat6 / Cat5e / Fiber & Terminations	Brands mentioned which are actually OEM to telecom companies for cabling solution and they appear no where in first few known structured cabling brands in India	No change is contemplated
72	14.2 - 14.4	64	14.2-IP based high megapixel fixed dome indoor camera 14.3-IP based high megapixel bullet / Box Fixed outdoor camera 14.4 - IP based high megapixel dome PTZ camera	Compliant : ONVIF Profile S / G Fully Compliant	The current profile of ONVIF is Profile S & future version will be of Profile G. Not all the cameras OEM's are fully tested for ONVIF Profile G. Also, VMS should be compatible for the same. Kindly confirm the requirement of the same.	The Bidder and OEM has to provide an undertaking the responsibility for their proposed solution where the local storage on the camera (Micro SD slot) can be accessed by any local & remote VMS even if camera is ONVIF Profile G non-compliant In case of any failure in accessing the local storage, the Bidder and OEM would take the responsibility of providing alternate solution or replacement of cameras at any point of time during the period of contract.
73	14.2-14.4	64	14.2-IP based high megapixel fixed dome indoor camera 14.3-IP based high megapixel bullet / Box Fixed outdoor camera 14.4 - IP based high megapixel dome PTZ camera	Multiple Simultaneous Streaming: Dual Streaming : Main Stream at Full Resolution (1920x1080) with Full Frame Rate; Second Stream: 720p resolution with full frame rate H.264,multicast streaming	Kindly confirm whether 2 individual steams are taken seperately from the cameras.. One for recording & other for viewing. ? Since recording FPS specified as 18.	No change is contemplated. It is the discretion of the Authority to use the streams as per the need and it should support to its threshold value of each parameter.

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74	14.3 (S. No 15)	64	IP BASED HIGH MEGAPIXEL BULLET/BOX FIXED OUTDOOR CAMERA : Protocols	Protocols: DHCP/RTCP	Please confirm if this protocol is mandatory for this application, since all the protocols are not mandatory used for VMS application.	No change is contemplated
75	14.2 (S. No. 1)	64	IP based high megapixel fixed dome indoor camera : Camera Type	IP based Full HD Fixed Dome Indoor Camera with built-in 64 GB Micro SD memory slot and 64 GB Class 10 48/890 Mbp/s memory card.	Up to 64 GB edge storage with Micro SD card	Please read as: 32 GB edge storage instead 64 GB edge storage wherever is required. No change in remaining definition for this edge storage requirement.
76	14.2 (S No. 4)	64	IP based high megapixel fixed dome indoor camera: Multiple Simultaneous Streaming	Dual Streaming : Main Stream at Full Resolution (1920x1080) with Full Frame Rate; Second Stream: 720p resolution with full frame rate	Up to 2 simultaneous streams, plus service stream; the secondary stream is variable based on the setup of the primary stream	No change is contemplated. It is the discretion of the Authority to use the streams as per the need and it should support to its threshold value of each parameter.
77	14.2 (S. No. 11)	64	IP based high megapixel fixed dome indoor camera: Image Settings	Automatic Adjustments / Remote Control Settings – Color, brightness, sharpness, contrast, white balance, exposure control, backlight compensation, gain control, wide dynamic range - min. 120 db	Request for Min 75 db	It is revised to Min. 80 db
78	14.2 - 14.4	64	ONVIF Profile Compliant is mentioned as S/G on Page no 21 S.No C it is mentioned as ONVIF Profile S & G	ONVIF Profile Compliant is mentioned as S/G on Page no 21 S.No C it is mentioned as ONVIF Profile S & G	We request you to kindly amend S/G on Page No 21 ONVIF Compliant	The Bidder and OEM has to provide an undertaking the responsibility for their proposed solution where the local storage on the camera (Micro SD slot) can be accessed by any local & remote VMS even if camera is ONVIF Profile G non-compliant In case of any failure in accessing the local storage, the Bidder and OEM would take the responsibility of providing alternate solution or replacement of cameras at any point of time during the period of contract.
79	14.3 (S. No. 1)	65	IP BASED HIGH MEGAPIXEL BULLET/BOX FIXED OUTDOOR CAMERA : Camera Type	IP based Full HD Bullet/Box Fixed Camera with built-in 64GB Micro SD memory slot and 64 GB Class 10 48/890 Mbp/s memory card.	Up to 64 GB edge storage with Micro SD card	Please read as: 32 GB edge storage instead 64 GB edge storage wherever is required. No change in remaining definition for this edge storage requirement.
80	14.3 (S. No. 4)	65	IP BASED HIGH MEGAPIXEL BULLET/BOX FIXED OUTDOOR CAMERA : Multiple Simultaneous Streaming	Dual Streaming : Main Stream at Full Resolution (1920x1080) with Full Frame Rate; Second Stream: 720p resolution with full frame rate	Up to 2 simultaneous streams, plus service stream; the secondary stream is variable based on the setup of the primary stream	No change is contemplated. It is the discretion of the Authority to use the streams as per the need and it should support to its threshold value of each parameter.
81	14.3 (S. No. 10)	65	IP BASED HIGH MEGAPIXEL BULLET/BOX FIXED OUTDOOR CAMERA : Day and Night Vision	IP BASED HIGH MEGAPIXEL BULLET/BOX FIXED OUTDOOR CAMERA, SI.No 10 Day and Night Vision	We request you to kindly include Built in IR LED for better night vision	It is revised to all cameras : Additionally Built in IR LED should be supported.
82	14.3 (S. No. 11)	65	IP BASED HIGH MEGAPIXEL BULLET/BOX FIXED OUTDOOR CAMERA : Image Settings	Automatic Adjustments / Remote Control Settings – Color, brightness, sharpness, contrast, white balance, exposure control, backlight compensation, gain control, wide dynamic range - min. 120 db	Request for Min 75db	It is revised to Min. 80 db
83	14.3 (S. No. 15)	65	IP BASED HIGH MEGAPIXEL BULLET/BOX FIXED OUTDOOR CAMERA : Protocols	IPv4, IPv6, HTTP, HTTPS, FTP, RTSP, RTP, TCP, UDP, RTCP, DHCP, UPnP, QoS, SMTP, multicast, 802.1x, 10/100 Mbps Ethernet, IEEE 802.3 afPoE (RJ45)	DHCP is not available in Pelco	No change is contemplated
84	14.3 (S. No. 19)	65	IP BASED HIGH MEGAPIXEL BULLET/BOX FIXED OUTDOOR CAMERA : Casing	NEMA 4X / IP-66/IP-67 Rated weather proof housing, Mount bracket with cable concealment; Vandal roof	IP67 is not necessary.	It is revised to: NEMA 4X / IP-66 Rated weather proof housing, Mount bracket with cable concealment; IK10 rated for Vandal roof
85	14.4 (S. No. 1)	66	IP Based high megapixel dome PTZ camera : Camera Type	IP based Full HD Dome PTZ Camera, with built-in 64GB Micro SD memory slot and 64 GB Class 10 48/890 Mbp/s memory card.	Please confirm if 32GB is can be offered. Also mentioned about 64GB SD cards as well. SD cards normally come from different OEM's not from the camera OEM itself.	Please read as: 32 GB edge storage instead 64 GB edge storage wherever is required. No change in remaining definition for this edge storage requirement.
86	14.4 (S. No. 1)	66	IP Based high megapixel dome PTZ camera : Camera Type	IP based Full HD Dome PTZ Camera, with built-in 64GB Micro SD memory slot and 64 GB Class 10 48/890 Mbp/s memory card.	32 Gb is available in Pelco	Please read as: 32 GB edge storage instead 64 GB edge storage wherever is required. No change in remaining definition for this edge storage requirement.

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87	14.4 (S. No. 14)	66	IP Based high megapixel dome PTZ camera : PTZ Controls	Pan: 360 deg endless/continuous, 0.2 to 300 deg/s (auto), 0.2 to 100 deg/s (Manual), Tilt: 90 deg, 0.2 to 100 deg/s (Auto), 0.2 to 40 deg/s (Manual), 30x Optical Zoom, 10x digital Zoom, min. 64 preset positions, Auto tracking, pre-set tour	Please confirm if following specs: Maximum Pan Speed Up to 450° per second Maximum Tilt Speed Up to 450° per second Manual Pan/Tilt Speeds Pan 0.1° to 80°/sec manual operation Tilt 0.1° to 45°/sec manual operation Preset Speeds Pan 450°/sec Tilt 450°/sec	No change is contemplated. Higher/better specs are always considered
88	14.4 (S. No. 15)	66	IP Based high megapixel dome PTZ camera : Protocols	Protocols: RTCP	Please confirm if this protocol is mandatory for this application	No change is contemplated
89	14.4 (S. No. 13)	67	IP Based high megapixel dome PTZ camera : Shutter Speed	1/5s to 1/25,000s	1/5s to 1/10,000s	Please read as: 1/5s to 1/10,000s instead of 1/5s to 1/25,000s for all cameras specifications in section 14.2 to 14.4
90	14.4 (S. No. 14)	67	IP Based high megapixel dome PTZ camera : PTZ Controls	Pan: 360 deg endless/continuous, 0.2 to 300 deg/s (auto), 0.2 to 100 deg/s (Manual), Tilt: 90 deg, 0.2 to 100 deg/s (Auto), 0.2 to 40 deg/s (Manual), 30x Optical Zoom, 10x digital Zoom, min. 64 preset positions, Auto tracking, pre-set tour	Maximum Pan Speed Up to 450° per second Maximum Tilt Speed Up to 450° per second Manual Pan/Tilt Speeds; Pan 0.1° to 80°/sec manual operation; Tilt 0.1° to 45°/sec manual operation; Preset Speeds - Pan 450°/sec; Tilt 450°/sec	No change is contemplated. Higher/better specs are always considered
91	14.4 (S. No. 15)	67	IP Based high megapixel dome PTZ camera : Protocol	IPv4, IPv6, HTTP, HTTPS, FTP, RTSP, RTP, TCP, UDP, RTCP, DHCP, UPnP, QoS	RTCP not available.	No change is contemplated
92	14.5 (S. No. 4)	67	Edge Level Network Switch Certification : Protocol Support	IPv4, IPv6, 802.1Q VLAN, DHCP support, IGMP, SNMP, Loop protection and detection, Ring Protection, End Point Authentication	For video, the network latency should have to be less than 150ms, so in case of network failure due to link/fibre cut/switch failure in ring, the network has to converge in less than 50ms to ensure smooth video streaming. So, would request you to consider "sub 50ms Ring protection and it should seamlessly interoperable with Core L3 Switch".	No change is contemplated
93	14.5 (S. No. 4)	67	Edge Level Network Switch Certification : Protocol Support	IPv4, IPv6, 802.1Q VLAN, DHCP support, IGMP, SNMP, Loop protection and detection, Ring Protection, End Point Authentication	For video, the network latency should have to be less than 150ms, so in case of network failure due to link/fibre cut/switch failure in ring, the network has to converge in less than 50ms to ensure smooth video streaming. So, would request you to consider "sub 50ms Ring protection and it should seamlessly interoperable with Core L3 Switch".	No change is contemplated
94	14.5 (S. No. 7)	67	Edge Level Network Switch Certification : Operating Temp.	0 to 50 deg C	As mentioned in BoM defined at Page 60 clause 10, the 8 port switches should have to be industrial grade.	No change is contemplated.
95	14.5 (S. No. 7)	68	Edge Level Network Switch Certification : Operating Temp.	1 to 50 deg C	As mentioned in BoM defined at Page 60 clause 10, the 8 port switches should have to be industrial grade.	No change is contemplated
96	14.5 (S. No. 10)	67	Edge Level Network Switch Compliant	EC & FCC: ONVIF compliant	ONVIF Compliant is applicable on IP Cameras, it has no relevance on IP Switches, So would request you to relax it.	The requirement of ONVIF Compliant is deleted for this component
97	14.5 (S. No. 10)	67	Edge Level Network Switch Compliant	EC & FCC: ONVIF compliant	ONVIF Compliant is applicable on IP Cameras, it has no relevance on IP Switches, So would request you to relax it.	The requirement of ONVIF Compliant is deleted for this component
98	14.5 (S. NO. 10)	67	Edge Level Network Switch	EC & FCC: ONVIF compliant	ONVIF is a standard for the interface of IP-based Cameras. Its majorly supported by IP camera vendors only. Request to remove ONVIF to allow.	The requirement of ONVIF Compliant is deleted for this component

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99	14.6 (S no. 2)	68	Aggregation (Core) / Control Room Switch (L3 Managed)	Support two additional expansion slots for additional 4 nos of 1G/10G ports Auto-negotiate, full/half duplex and flow control for half duplex	This is a hardware feature specific to one OEM and is not supported by others. Also note for calculating Switching Fabric of the required Item only 4 x 1/10G ports have been considered.	24*SFP slots with min. 4*SFP plus two additional expansion slots; (supporting 1G/10G for future scalability), full duplex and flow control for half duplex; All ports on Gigabit
100	14.6 (S. No. 2)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 2. Ports Support	24*10/100/1000 ports with min. 4*100/1000 SFP port switch; Support two additional expansion slots for additional 4 nos of 1G/10G ports Auto-negotiate, full/half duplex and flow control for half duplex; All ports on Gigabit	The Switch should support 24 1G fiber SFP based data ports at line rate on every port. The Switch should support 4 x 1G or 2 x 10G with 2 x 1G Uplink Modules.	24*SFP slots with min. 4*SFP plus two additional expansion slots; (supporting 1G/10G for future scalability), full duplex and flow control for half duplex; All ports on Gigabit
101	14.6 (S. No. 2)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 2. Ports Support	24*10/100/1000 ports with min. 4*100/1000 SFP port switch; Support two additional expansion slots for additional 4 nos of 1G/10G ports Auto-negotiate, full/half duplex and flow control for half duplex; All ports on Gigabit	The Switch should support 24 1G fiber SFP based data ports at line rate on every port. The Switch should support 4 x 1G or 2 x 10G with 2 x 1G Uplink Modules.	24*SFP slots with min. 4*SFP plus two additional expansion slots; (supporting 1G/10G for future scalability), full duplex and flow control for half duplex; All ports on Gigabit
102	14.6 (S. No. 3)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 3. MAC Support	16K MAC address	32K MAC address which ensures better scalability and performance.	No change is contemplated. The recommendation of 32K MAC address is a better spec and the Applicant has an option of offering better specs always.
103	14.6 (S. No. 4)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 4. Backplane	128 Gbps (24*2Gbps + 4*20 Gbps) or more switching fabric capacity for 24 ports	The Switch should support Quad Core CPU architecture with atleast 88G nonblocking switching bandwidth.	No change is contemplated
104	14.6 (S. No. 5)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 5. Forwarding Rate	Packet Forwarding Rate should be 96 Mpps or better	The Switch should have atleast 65.47Mpps of forwarding rate.	No change is contemplated
105	14.6 (S. No. 6)	68	Aggregation (Core) / Control Room Switch (L3 Managed)	Routing protocols – RIP version 1 and 2, OSPF, BGP, PIMDM, PIM-SM	BGP routing protocol is normally used in big service provider networks. For Education campus, compact routing methods like RIP is enough. For Campus multicast PIM-Sparse mode is recommended for its Structured deployment type. PIMDM is not scalable as PIM-SM.	No change is contemplated
106	14.6 (S. No. 7)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 7. Protocols Support	802.3 ad LACP Link Aggregation port tunks; Port Mirroring and Trunking		No change is contemplated
107	14.6 (S. No. 7)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 7. Protocols Support	802.1 D,S,X,Q VLAN, w, p Protocols	The Switch should support 802.1d, 802.1s, 802.1w Spanning-Tree & its enhancement for fast convergence.	No change is contemplated
108	14.6 (S. No. 7)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 7. Protocols Support	802.1 Q Tagged VLAN and port based VLANs and Private VLAN;	The Switch should support 802.1q VLAN encapsulation	No change is contemplated. Already covered.
109	14.6 (S. No. 7)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 7. Protocols Support	IGMP v1, v2, and v3 snooping and querying; DHCP; DHCP snooping/relay; Multicasting; SRR / WRR scheduling;	The Switch should support 802.3ad (LACP) to combine multiple network links for increasing throughput and providing redundancy	No change is contemplated. Already covered.
110	14.6 (S. No. 7)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 7. Protocols Support	Loop protection and detection; Ring protection	The Switch should support Detection of Unidirectional Links (in case of fiber cut) and to disable them to avoid problems such as spanning-tree loops	It is revised to: Loop protection and detection; Ring protection; and IEEE UDLD
111	14.6 (S. No. 7)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 7. Protocols Support	Loop protection and detection; Ring protection	The Switch should support Detection of Unidirectional Links (in case of fiber cut) and to disable them to avoid problems such as spanning-tree loops	It is revised to: Loop protection and detection; Ring protection; and IEEE UDLD
112	14.6 (S. No. 7)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 7. Protocols Support	Routing protocols – RIP version 1 and 2, OSPF, BGP, PIM-DM, PIM-SM	Routing protocols – RIP version 1 and 2, OSPF, BGP, PIM-DM, PIM-SM	No change is contemplated

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113	14.6 (S. No. 7)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 7. Access Control Support	Port Security; 802.1x port based access control; MAC filtering; RADIUS authentication	The Switch should support Dynamic VLAN, Downloadable ACLs, Multi-Auth VLAN Assignment, MAC Based Filtering & Web Authentication security mechanism.	No change is contemplated
114	14.6 (S. No. 7)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 7. Access Control Support	Port Security; 802.1x port based access control; MAC filtering; RADIUS authentication	Port Security; 802.1x port based access control; MAC filtering; RADIUS authentication	No change is contemplated
115	14.6 (S. No. 7)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 8. Protocol and Traffic	Support NTP; SNTP; Traffic Segmentation;	Support NTP; SNTP; Segmentation;	No change is contemplated
116	14.6 (S. No. 7)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 8. Protocol and Traffic	Port based TOS, DSCP, TCP/UDP port number	QoS based on DSCP, TCP/UDP port number	Should be read as: Port based QOS, DSCP, TCP/UDP port number
117	14.6 (S. No. 7)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 8. Protocol and Traffic	RS-232/USB console port for management via a console or PC; Web GUI; Syslog for log capturing; SNMP v1, v2, v3; sflow; Support 4 groups RMON; Accessibility using Telnet, SSH, Console access, easier software upgrade using TFTP, configuration management through CLI, GUI based software utility and using web interface	The Switch should have RJ45 & Mini USB Console Ports for Management via a console or PC; Web GUI; Syslog for log capturing; SNMP v1, v2c, v3; sflow or netflow; Support for RMON; Accessibility using Telnet, SSH, Console access, easier software upgrade using TFTP, configuration management through CLI and using web interface. The Switch should have atleast 1 10/100/1000 dedicated Ethernet Management Port.	It is revised to: RS-232/USB console port for management via a console or PC; Web GUI; Syslog for log capturing; SNMP v1, v2, v3; sflow; Support 4 groups RMON; Accessibility using Telnet, SSH, Console access, easier software upgrade using TFTP, configuration management through CLI, GUI based software utility and using web interface. The switch should have atleast one Dedicated Management port.
118	14.6 (S. No. 7)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 7. Protocols Support	New	The Switch should support built in packet analyzer that supports multiple protocols and analyzes traffic.	No change is contemplated
119	14.6 (S. No. 7)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 7. Protocols Support	New	The Switch architecture should be able to stack atleast 9 switches together with support for 480Gbps of stack throughput.	The switch should support "Active-Active clustering and Cross Stack link aggregation through IEEE 802.3ad Link aggregation standards"
120	14.6 (S. No. 7)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 7. Protocols Support	New	The Switch should support Stateful Switchover (SSO) when switching over from Active to Standby switch in a Stack.	The switch should support "Active-Active clustering and Cross Stack link aggregation through IEEE 802.3ad Link aggregation standards"
121	14.6 (S. No. 7)	68	Aggregation (Core)/Control Room Switch (L3 Managed) 7. Protocols Support	New	The Switch stack architecture should be Plug & Play for attaching or removing any switch from the stack without any downtime.	The switch should support "Active-Active clustering and Cross Stack link aggregation through IEEE 802.3ad Link aggregation standards"
122	14.6 (S. No. 7)	68	Aggregation (Core)/Control Room Switch (L3 Managed)	Recommendation	Considering that L3 switches will be deployed in redundancy for higher availability, the L3 switches must support " Active-Active clustering technology with higher availability for L2 and L3 (RIP, OSPF, BGP, PIM) protocols and have active-active clustering bandwidth of min 80Gbps per switch"	No change is contemplated
123	14.6 (S. No. 2)	68	Aggregation (Core)/Control Room Switch (L3 Managed) : Ports Support	24* 10/100/1000 ports with min. 4* 100/1000 SFP port switch; Support two additional expansion slots for additional 4 nos of 1G/10G ports Auto-negotiate, full/half duplex and flow control for half duplex; All ports on Gigabit	This clause contradicts the description mentioned in BoM. In line with BoM mentioned at Page 59 of 70 Clause-8, the core switch has been asked with 12x1G Fiber ports which is not possible with 24 10/100/1000 Base-T switch. To meet the requirement, the L3 should have following configuration: 24 x 1G Base-X fiber ports equipped with 12x1G Base-T ports and 4 1G/10G SFP+ slots and shall be equipped with internal RPS for higher availability"	24*SFP slots with min. 4*SFP plus two additional expansion slots; (supporting 1G/10G for future scalability), full duplex and flow control for half duplex; All ports on Gigabit

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124	14.6 (S. No. 7)	68	Aggregation (Core)/Control Room Switch (L3 Managed) : Protocol Support	Loop protection and detection; Ring protection	For video, the network latency should have to be less than 150ms, so in case of network failure due to link/fibre cut/switch failure in ring, the network has to converge in less than 50ms to ensure smooth video streaming. So, would request you to consider "sub 50ms Ring protection and it should seamlessly interoperable with Network Edge switches (Indoor and Outdoor)".	It is revised to: Loop protection and detection; Ring protection; and IEEE UDLD
125	New	New Section		Delay Clause	To protect the interest of both customer and SI, request to add New clause in the terms and conditions Contractor/SI is not be liable for any delays or increased costs caused by delays in obtaining required Goods or Services from Owner/Company or Owner/Company designated suppliers. If Owner/Company caused delay occurs, and the delay is not Force Majeure related, then the price and other affected terms will be adjusted to reflect increased costs, delay, and other adverse impact suffered by Contractor. If delivery of Goods, Services, or other information necessary for performance of this Agreement is delayed due to conduct of Owner/Buyer or Employer/Owner-designated supplier, then contractor/Seller may store Goods at Owner/Company's risk and expense and may charge Company/Owner for the delay.	No change is contemplated
126	New	New Section		Limitation Of Liability	Liability of the SI to be limited to the contract value. Request to add New clause in the terms and conditions Limitation of Liability: In no event shall either party be liable for any incidental, consequential, special, punitive, statutory, indirect damages, loss of profits, loss of revenues, or loss of use, even if informed of the possibility of such damages. Contractor's total liability for any damages arising out of or related to this Agreement shall in no case exceed the amount received by the seller under this agreement. To the extent permitted by applicable law, these limitations and exclusions will apply regardless of whether liability arises from breach of contract, warranty, tort (including but not limited to negligence), by operation of law, or otherwise. Contractor's liability to the owner, if any, in contract, tort or otherwise, will be reduced by the extent to which Owner/Employer contributed to any loss, whether or not such loss is direct, indirect, consequential, pecuniary or property loss	Refer to Addendum No. 1 for Section 6.39

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127	New		New Section	Intellectual Propoerty	Request to add New caluse in the terms and conditions All intellectual property arising out of or in connection with the contract documents shall be owned by the Contractor/Honeywell. The contractor agrees to provide a non-exclusive license to Owner for the sole purpose of performance of the services under this contract. All software provided in connection with this contract shall be licensed and not sold. The end-user/Owner of the software will be required to enter into a license agreement with terms and conditions which are standard for computer based equipment software license arrangements	No change is contemplated
128	New		New Section	Termination Clause	Request to add New caluse in the terms and conditions Either Party may terminate or suspend this contract if there is a material breach of the Agreement or the Order and the breaching Party fails to begin a cure within 30 calendar days after receipt of written notice from the non-breaching Party specifying the grounds.	No change is contemplated