

Response to Pre-bid Queries

RFP for supply, Installation, Commissioning, Training and Maintenance of Video Analytics tools to evaluate the video feeds for investigation purpose on behalf of The DG & IG of Police, Home Department, Govt. of Gujarat, Gandhinagar. Tender No.:HWT080321630

Sr. No.	Tender Reference		Query / Clarification / Suggestions from the Vendors	Responses to the Queries
	Page No. / Section No. / Clause No.	Tender Description		
1	Eligibility Criteria	The bidder should be a registered company under Companies Act, 1956 and should be in existence in last 5 (five) years in India as on bid submission date.	Kindly consider the company Existence of last 3 (Three)Years in place of 5 Years In India as on bid submission date.	Please Read as: The bidder should be a registered company under Companies Act, 1956 and should be in existence in last 3 (Three) years in India as on bid submission date.
2	Technical Criteria	NA	Should all the tools come from one OEM?	Same OEM is not mandatory. Bidder have to make sure that, if required each tools can communicate with each other.
3	Section - 1: Eligibility Criteria	The bidder should have experience in undertaking at least 1 project of Video Analytics solution having minimum value of 50 Lakhs or 2 projects of Video Analytics solution having minimum value of 25 Lakhs for each project in the last 5 years as on bid submission date. (Form E3)	Ideally for this project we suggest to preferred a local System integrator company as they will be able to provide timely service and training to the end-user and most of the local SI's doesn't able to qualify to meet this minimum value. So we request you to please allow the bidder or OEM to meet this clause.	As Per the RFP
4	Section - 1: Eligibility Criteria	OEMs of proposed equipment/components/tool should have their own registered office in India and be in operation in India since last 3years as on bid submission date or The OEM of proposed equipment/components/ tool authorized service center in India since last 3years as on bid submission date. Documentary proof of the same to be submitted.	Most of the leading forensic technology products OEM's are foreign companies and ideally they don't have a registered office in India, either they have a technology partnership with an Indian company or they have an authorized partner in India to cater business development and support part. So we'll request you to please allow registered offices by way of Joint ventures, Franchise, agency, distribution partners on behalf of OEMs.	Please Read as : In case, OEM do not have office/Service center in India. OEM should give undertaking to open office/Service center in India within 45 days from the date of empanelment. Note: Registered office by way of Joint ventures, Franchise, agency, distribution partners, etc. also allowed.
5	Details of Earnest Money Deposit (E.M.D.):	Note: If bidder is apply for all items then they have to pay EMD of Rs. 11,80,000/-. If bidder is apply any of the item or multiple item then EMD to be paid accordingly. Letter of item quoted and EMD amount to be enclosed with bid.	We'll request you to allow respective bidders to bid for the complete package as allowing bidders to supply desired items will lead the project to incompetency, compatibility, and performance issues.	As Per the RFP
6	Section - 2: Scope of work	If the required output is not achieved from the hardware and/or software tools, the bidder will have to rectify the same within 30days of FAT, subject to necessary penalty as per SLA terms.	In the interest of successful completion of the project within defined timelines, we'll strongly suggest having a PoC of products quoted by qualifying bidders before allocating the job to the winner.	As Per the RFP
7	Indicative List of Features required for crime/forensic investigation : 1. Image and Video Enhancement Tool/System	The system should process footages and still images, analyse the format, clarify content, measure height of people/objects & accordingly generate a reliable technical report	We'll request you to amend these specs as only 1-2 companies support the height measurement features of people & objects, here is suggested changes " The system should process footages and still images, analyse the format, clarify content & accordingly generate a reliable technical report"	Please read as "The system should process footages and still images, analyse the format, clarify content, measure height of people/objects (measure height of people/objects is preferable) accordingly generate a reliable technical report"
8	Indicative List of Features required for crime/forensic investigation : 1. Image and Video Enhancement Tool/System		We'll suggest the following add-on features: The system shall capable of the tracking selected person/face or object forward and backward in video frames, automatically applying redaction layers as it moves forward.	We have asked minimum requirement. bidder can quote extra facility in the tools
9	Indicative List of Features required for crime/forensic investigation : 1. Image and Video Enhancement Tool/System	System should automatically generate a report containing details of the processing steps, settings, and the bibliographic references to the algorithms in HTML, PDF or DOC format	Please remove the HTML format, as this format is ideally not used as a standard report format.	Please read as : System should automatically generate a report containing details of the processing steps, settings, and the bibliographic references to the algorithms in HTML or PDF or DOC format
10	Indicative List of Features required for crime/forensic investigation : Video Feed Event detection and Searching Tool	The system shall have the capability to search objects of interest like men, women, cars, bikes, bus, trucks, etc. from either a live or recorded video based on colour, clothes, size, speed & path undertaken by them.	Please remove the "LIVE" capabilities as the support to this feature will increase the hardware requirement and attract additional license costs.	As Per the RFP

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11	Indicative List of Features required for crime/forensic investigation :3. Video Feed Event detection and Searching Tool	The system shall provide Video Summarization analytics based on computer vision and AI technology, a mechanism to review the long video feeds in much shorter timeframe The System shall enable generation of Summarization of videos from different sources with full case management, multi-camera search, appearance similarity.	We'll suggest an additional feature to make the system more useful : The system shall provide Video Summarization analytics based on computer vision and AI technology, a mechanism to review the long video feeds in a much shorter timeframe by automatically extract objects from the original video and efficiently reconstructs and superimposes them back in the original scene, simultaneously displaying events that have occurred at different times. The System shall enable the generation of Summarization of videos from different sources with full case management, multi-camera search, appearance similarity.	We have asked minimum requirement. bidder can quote extra facility in the tools
12	Indicative List of Features required for crime/forensic investigation : Video Feed Event detection and Searching Tool	4. The system shall support Object Search criteria like, a. Time Range – Shall be able to limit the search criteria to specific time ranges b. Classes – Post-analysis, reviewed video shall be shown based on People, Two-Wheeled Vehicles, Other Vehicles and Animals (Animals is preferable) with following categories: i. People Class: male, female & preferable - Man, Woman, Boy, and Girl ii. 2-Wheeled Vehicle Class: Bicycle and Motorcycle iii. Other Vehicles Class: Car, Pickup, Van, Truck, Bus, Train, Airplane, and Boat iv. preferable - Animals Class: Dog, Cat, Bird and Horse.	We'll suggest following corrections : preferable - Animals Class: Dog, Cat, Bird and Horse -- Addon Features related to extracted Objects (Vehicles) Capturing license plates of Vehicles appeared in the video feeds.	As Per the RFP
13	Indicative List of Features required for crime/forensic investigation : Video Feed Event detection and Searching Tool	. People Attributes – Shall be able to select the attributes within the people class to refine the search. Like: i. Bags: Backpacks, Handheld Bags ii. preferable -Hats: Hats, No Hats iii. preferable -Upper Wear: Short/No Sleeves, Long Sleeves iv. preferable -Lower Wear: Long, Short	We'll suggest the following add-on features : Colour - Identify objects according to any combination of various colors like Yellow, Brown, Red, Orange, Green, Lime, Grey, Black, Cyan, Purple, Pink, and White. Faces of appeared people in the input video feed.	As Per the RFP
14	Indicative List of Features required for crime/forensic investigation : Video Feed Event detection and Searching Tool	People Loitering - with tracking capabilities can accurately track people loitering along the alleys Smoke/Fire Detection: System can detect presence of threat indicators like smoke and fire to pre-emptively alert a potentially hazardous or disastrous situation Weapon Detection: The system can be configured to generate real time alerts if a weapon is detected in an image or video (live + offline). Analysts can use this feature to respond in a timely fashion to a potentially hazardous situation. System can give out a real time alert to intended recipients in case it senses the presence of a weapon like rifle, gun, pistol or knife. Video Stitching : The system shall be able to combine videos of different frame rates and aspect ratios to the same video, to create a full continuous clip/movie for the attribute that is searched for a particular case/area. Ability to storyboard clips from multiple video sources (produces a shortened video that conveys all activity from a longer video stream)	These features are good for real-time alerts and don't make sense in FORENSIC mode. So please REMOVE them.	As Per the RFP
15	Indicative List of Features required for crime/forensic investigation : Video Feed Event detection and Searching Tool		We'll suggest the following add-on features : The system shall support different video file formats & codecs: AVI, MKV, MPEG4, MOV, WMV, DVR, ASF, RT4, DIVX, 264, GE5, TS, 3GP, DAV, XBA, MP4, FLV, H.264, H.265/HEVC, MPEG-4, and H.263.	As Per the RFP
16	Section - 1:Eligibility Criteria sr no 2	The Bidder should have average annual turnover of Rs. 05 Crore during last 3 audited financial years (2017-18, 2018-19, 2019-20) from business of IT/ITeS/CCTV Surveillance Projects/Video Analytics Solution. (Form E1)	Kindly please reduce the average annual turnover turnover to 2.5 CR for better participation. And turn over out of software development deployment services, IT/ITeS and Video Analytics should be considered.	As Per the RFP
17	Annexure I page no:5	Details of Earnest Money Deposit (E.M.D.)	Please allow EMD exemptede for MSME certified.	As Per the RFP

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18	Section - 1:Eligibility Criteria sr no 4	The bidder should have experience in undertaking at least 1 project of Video Analytics solution having minimum value of 50 Lakhs or 2 projects of Video Analytics solution having minimum value of 25 Lakhs for each project in the last 5 years as on bid submission date. (Form E3)	A) Please clarify if Project involving Video Analysis as part of solution in this criteria will be counted or not. B) Please allow the project from last 7 years.	As Per the RFP
19	Section - 1:Eligibility Criteria	The bidder should have experience in undertaking at least 1 project of Video Analytics solution having minimum value of 25 Lakhs for each project in the last 5 years as on bid submission date. (Form E3)	Kindly please also consider Bidder / OEM experience in the qualification criteria	As Per the RFP
20	Details of Earnest Money Deposit (E.M.D.):	Note: If bidder is apply for all items then they have to pay EMD of Rs. 11,80,000/-. If bidder is apply any of the item or multiple item then EMD to be paid accordingly. Letter of item quoted and EMD amount to be enclosed with bid.	We would like you to consider the following : Exemption of EMD as per Letter no.F.9/4/2020-PPD Dated 12th November 2020. We have also attached a recent tender from CBI for your perusal where there is no EMD. Exemption of Performance bank guarantee OR Non withholding of 20% payment, which is to be paid in 10 installments. We request you to consider only one of the condition since it can singlehandedly provide performance assurance. Extension of bid submission by 10 days	As Per the RFP
21	Image and Video Enhancement Tool/System	The system should process footages and still images, analyse the format, clarify content, measure height of people/objects & accordingly generate a reliable technical report	Height can be estimated if camera is calibrated and required camera calibration parameters.	Tool should be capable to measure height of people/object if camera is calibrated
22	Image and Video Enhancement Tool/System	<ul style="list-style-type: none"> System should have all possible different filters for all needs during forensic investigations & should not require additional plug-ins or third-party software. The filters should support applications on the whole image, a static region or the tracking of a moving object with either static or dynamic template 	Please specify "all possible different filters"	Possible different filters are required to be proposed by bidder. RFP asked that tool should have capability of all possible filters
23	Image and Video Enhancement Tool/System	<ul style="list-style-type: none"> Clarify images and video using multiple layer techniques <ul style="list-style-type: none"> o Crop, lens distortion, perspective crop, rotate image, rate or mirror, scale, o Brightness & Contrast, contrast crop, deinterlace, gamma correction, Invert, Noise removal, sharpening, split channel, Histogram Stretch, De blur, stabilize, super resolution, temporal median, dehaze 	Please elaborate temporal median	Temporal Median combines many video frames to filter out high gain noise. This filter, in combination with Histogram Edit, can be useful for recovering license plates or logos in dark and noisy videos.
24	Image and Video Enhancement Tool/System	<ul style="list-style-type: none"> System should display real time histogram and statistical features of the image, on one or multiple color channels. 	Please specify "statistical features"	As Per the RFP
25	Image and Video Enhancement Tool/System	<ul style="list-style-type: none"> System should have advanced video playback with frame by frame navigation, adjustable frame rate & should include a special seek function which allows to move on user specified intervals. User should be able to manually input frame number or a time position to quickly move visualization of frame type in videos 	The functionality will available for stored videos only	As Per the RFP
26	Image and Video Enhancement Tool/System	<ul style="list-style-type: none"> System should automatically generate a report containing details of the processing steps, settings, and the bibliographic references to the algorithms in HTML, PDF or DOC format 	Kindly elaborate "bibliographic references "	As Per the RFP
27	Video Viewing / Exploration Tool	6. Review key events frame by frame	Kindly elaborate	As Per the RFP
28	Video Viewing / Exploration Tool	9. Pop out a video timeline to a second screen	Kindly elaborate	As Per the RFP
29	Video Viewing / Exploration Tool	12. Lock timelines to view overlaps between to videos	Overlapping can be seen on multiple screen	As Per the RFP

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30	Video Viewing / Exploration Tool	13. Ensure collaboration during a case with simultaneous multi-user access	we require more detail on this of flow. collaboration during case with multi-user not possible .	As Per the RFP
31	Video Viewing / Exploration Tool	14. Play videos on virtualized Players	Kindly elaborate	As Per the RFP
32	Video Feed Event detection and Searching Tool	1. The system shall have the capability to search objects of interest like men, women, cars, bikes, bus, trucks, etc. from either a live or recorded video based on colour, clothes, size, speed & path undertaken by them.	Camera calibration paramters are required for size and speed estimation, Specify the different type of objects for overall requirement	As per Sr.No. 21
33	Video Feed Event detection and Searching Tool	2. The system shall be able to search the user-defined objects across multiple cameras/data resources, thereby giving the entry & exit routes taken by the object of interest.	Kindly elaborate "objects across multiple camera/data resources"	As Per the RFP
34	Video Feed Event detection and Searching Tool	3. The system shall provide Video Summarization analytics based on computer vision and AI technology, a mechanism to review the long video feeds in much shorter timeframe The System shall enable generation of Summarization of videos from different sources with full case management, multi-camera search, appearance similarity and face recognition.	Kindly elaborate "video summarization" and multi-camera search	As Per the RFP
35	Video Feed Event detection and Searching Tool	i. People Class: Male, Female & preferable - Man, Woman, Boy, and Girl	Male/Female may be detected but not Boy/Girl	As Per the RFP
36	Video Feed Event detection and Searching Tool	d. Colour - Identify objects according to any combination of various colours like Brown, Red, Orange, Yellow, Green, Lime, Cyan, Purple, Pink, White, Grey, Black, etc.	For colour minimum HD resolution is required. Only standard colours are supported, the shades of the colours are not supported e.g., light pink.	As Per the RFP
37	Video Feed Event detection and Searching Tool	e. Size - Select objects based on their size specified in meters.	Camera calibration paramters are required for size estimation	As per Sr.No. 21
38	Video Feed Event detection and Searching Tool	f. Speed - Select objects based on their speed specified in kmph	Camera calibration paramters are required for speed estimation	As per Sr.No. 21
39	Video Feed Event detection and Searching Tool	5. People Loitering - with tracking capabilities can accurately track people loitering along the alleys Smoke/Fire Detection: System can detect presence of threat indicators like smoke and fire to pre-emptively alert a potentially hazardous or disastrous situation	Depends on camera type and installation. So kindly provide detail of camera types	As Per the RFP
40	Video Feed Event detection and Searching Tool	6. Weapon Detection: The system can be configured for to detect weapon in an image or video (live + offline). Analysts can use this feature to respond in a timely fashion to a potentially hazardous situation. System can give out a search result to intended recipients in case it senses the presence of a weapon like rifle, gun, pistol or knife.	Weapon should be clearly visible in the frame. It will be for offline only. Kindly elaborate more	As Per the RFP
41	Video Feed Event detection and Searching Tool	7. Video Stitching : The system shall be able to combine videos of different frame rates and aspect ratios to the same video, to create a full continuous clip/movie for the attribute that is searched for a particular case/area. Ability to storyboard clips from multiple video sources. (produces a shortened video that conveys all activity from a longer video stream)	Kindly elaborate	As Per the RFP
42	Video Reporting Tool	• Ability to storyboard clips from multiple video sources (produces a shortened video that conveys all activity from a longer video stream)	Kindly elaborate	As Per the RFP
43	Video Reporting Tool	• Compile video and images for reports.	Kindly elaborate	As Per the RFP

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44	Video Reporting Tool	• Add presentation slide with fade and cross fade options	Kindly elaborate	As Per the RFP
45	Video Reporting Tool	• Quickly redact or highlight key persons or events of interest using blurring, pixilation, spotlight and arrows using key frames	Events of interest can be highlighted by only one of the way	As Per the RFP
46	Video Reporting Tool	• Bookmark or tag key person of interest and events in video	The tagging will be available in the report but it's should be done manually drawing. So its nothing related to automation kindly confirm	As Per the RFP
47	Video Reporting Tool	• Automatically create a report of tagged objects with metadata and key image extraction into a report	Needs more details	As Per the RFP
48	Video Reporting Tool	• Create interactive viewing logs	Kindly elaborate	As Per the RFP
49	Video Reporting Tool	• Export your viewing log to Excel, MS Word or PDF	Kindly elaborate	As Per the RFP
50	Video Reporting Tool	• Check the integrity of a report within the software	Edit option will be disabled once the report is being saved so there is no need to check integrity. Kindly confirm	As Per the RFP
51	Video and Image authentication Tool	• Determine the authenticity of images, videos and documents	what kind of authenticity	As Per the RFP
52	Video and Image authentication Tool	• Analyze multiple images/videos with batch tools	we will require more details on flow	As Per the RFP
53	Video and Image authentication Tool	• Identify the device used to take the photo/video		As Per the RFP
54	Video and Image authentication Tool	Manipulation detectors	Kindly provide types of manipulation need to be covered	As Per the RFP
55	Video and Image authentication Tool	Background processor tool (video authentication)	Please elaborate	As Per the RFP
56	Video and Image authentication Tool	File type operations	Please elaborate	As Per the RFP
57	Video and Image authentication Tool	Image and video comparison	Please elaborate	As Per the RFP
58	Video and Image authentication Tool	Help functionality	Please elaborate	As Per the RFP
59	Point no. 2, Page No-4	The Bidder should have average annual turnover of Rs. 05 Crore during last 3 audited financial years (2017-18, 2018-19, 2019-20) from business of IT/ITeS/CCTV Surveillance Projects/Video Analytic Solution. (Form E1)	we are keen to participate in this tender , we humbly request you to change the limit from 05 Cr to 03 Cr. average turnover of lat 3 years	As Per the RFP
60	Point no. 4, Page No-4	The bidder should have experience in undertaking at least 1 project of Video Analytic solution having minimum value of 50 Lakh or 2 projects of Video Analytic solution having minimum value of 25 Lakh for each project in the last 5 years as on bid submission date. (Form E3)	Instead of only Video Analytic solution Please consider the Scope as SITC of CCTV System installation or Video management software and server installation.	As Per the RFP