

Office of the Transport Commissioner, Chhattisgarh, Nawa Raipur Indrawati Bhawan

CORRIGENDRUM

Date:12/09/2022

Reference: This department Tender TD/09/TC dated 23rd Aug 2022 inviting tenders for, "SELECTION OF AGENCY FOR SETTING UP ANPR SYSTEM AT SELECT LOCATIONS IN THE STATE OF CHHATTISGARH". Following representations/ objections / suggestions received from prospective bidders (who are willing to participate in this tendering process) and to invite wider participation, the following changes have been made to the above referred tender document:-

#	Page Number	Criteria	Required Eligibility	Ammeded/Corrigended/Addended clause
1.	24	Registration	<p>The Lead Bidder must be a registered company (as per companies act 1956) in India and should be in the business & have been operational at least for last 10 years as on date of bid submission.</p> <p>The consortium member must be a company registered in India It could be a Proprietorship/Partnership/LLP/Private Limited Company</p>	Please read as"The Bidder must be a registered company (as per companies act 1956)or Firm in India and should be in the business & have been operational at least for last 10 years as on date of bid submission.The consortium member must be a company/firm registered in India It could be a sole Proprietorship/Partnership/LLP/Private Limited Company or firm'
2.	24	Turnover/Net worth	The Bidder/consortium member should have an average annual turnover of at least 10 Crores INR during last 3 financial years from ICT (information and communication technologies) based business.	Please read as"The Bidder/consortium member should have an average annual turnover of at least 05 Crores INR during last 3 financial years from ICT (information and communication technologies) based business."
3	24	Experience	The Bidder/consortium member must have a proven track record of successfully implementing at least one ITS-Projects related to Vehicle Identification, Vehicle management, Toll Fee Collection including ANPR Cameras etc.	Please read as"The Bidder/consortium member must have a proven track record of successfully implementing at least one ITS-Projects related to Vehicle detection or vehicle Identification or Vehicle management or Toll Fee Collection or traffic junction including ANPR Cameras etc. "
4	25	Experience	The lead bidder should have successfully implemented at least 50 lanes with vehicle management system / fee collection system with vehicle transactions of 1 lakh vehicles per month.	Please read as "The bidder should have successfully implemented at least 10 lanes with vehicle detection or vehicle management or toll fee collection system or traffic junction or vehicle transactions of 1000 vehicles per month."
5	25	Manpower	The bidder shall have qualified manpower of more than 50 employees working in the design, development and implementation of ICT (information and communication technologies) related projects as on date of bid submission.	Please read as " The bidder shall have qualified manpower of more than 20 employees working in the design, development and implementation of ICT (information and communication technologies) related projects as on date of bid submission."
6	25	Common OEM for Solution:	<ul style="list-style-type: none"> Proposed Cameras, NVR, Joystick, should be from same OEM. All type of UPS should be from same OEM. 	Please read as "Proposed Cameras, NVR, Joystick, should be preferably from same OEM."
7	Page 43	5. Functional & Technical Requirements 5.1.1. 5MP Fixed Bullet Camera Point No.21	Illumination: Color: 0.003 Lux or better at (F1.4, AGC ON), 0 Lux with IR Inbuilt IR (40 mtrs. or better)	Please read the specification as "Illumination: Color: 0.003 0.05 Lux or better at (F1.4 - F2.0, AGC ON), 0 Lux with IR Inbuilt IR (40 mtrs. or better)"
8	Page 45	5. Functional & Technical Requirements 5.1.2 A; Technical Specifications of ANPR; Point No.8	IR Range: 100m (8-32 mm)	IR range of best in industry standard will be accepted.
9	Pg No 42 —	5. Functional & Technical Requirements 5.1.1. 5MP Fixed Point Bullet Camera Point No. 3	Min, 2592 x 1944 at 25 FPS or better	Please read as " Min 2592*1944 at 20 FPS or better"
10	Page NO 46	5. Functional & Technical Requirements 5.1.2 A; Technical Specifications of ANPR; Point No. 22	Temperature Range (-30°C to +70 °C,	Please read as "(-30°C to +60°C) or better "
11	Page No 46	5. Functional & Technical Requirements 5.1.2 A; Technical Specifications of ANPR; Point No. 24	Weatherproof - IP67, IK10	Please read as " IP67 or better"

The technical evaluation Criteria for the selection of the vendor are amended as given below.				
1	26	Turnover/Net worth	The Bidder/consortium member should have an average annual turnover of at least 10 Crores INR during last 3 financial years from ICT (information and communication technologies) based business.	<u>Average annual turnover:</u> <05 crore = Disqualified >=05 crore and <15 crore = 05 marks >=15 crore and <20crore = 10marks >=20 crore = 15 marks •
2	27	Experience	Please read as "The bidder should have successfully implemented at least 10 lanes with vehicle detection or vehicle management or toll fee collection system or traffic junction or vehicle transactions of 1000 vehicles per month."	vehicle management system / fee collection system <10 Lane or <1000 vehicles = Disqualified >=10 Lane and <20 lane or >=1000 vehicles and <2000 vehicles = 05 marks >=20 Lane and <30 Lane or >=2000 vehicles and <3000 vehicles = 10 marks >=30 Lane and <50 Lane or >=3000 vehicles and <5000 vehicles = 15 marks >=50 Lane or >=5000 vehicles= 20 marks •
3	27	Manpower	The bidder shall have qualified manpower of more than 50 employees working in the design, development and implementation of ICT (information and communication technologies) related projects as on date of bid submission.	<u>Manpower:</u> <20 = Disqualified >=20 and <50 = 05 marks >=50 and <100 = 10 marks >=100 = 15 marks

- Any qualifying or technical criteria specified in RFP can be fulfilled by any member of consortium or it can be jointly fulfilled by all member of consortium.
- EMD can be submitted by Demand draft(DD)/fix deposit receipt (FDR) / bank guarantee (BG) drawn in favour of " Transport Commissioner " , Chhattisgarh payable at Raipur from any nationalized bank or scheduled commercial bank. (Bank account details – Account number-32464423704 , IFSC Code- SBIN0000461).
- Technical specifications are indicative ,best in industry standard will be considered .Transport commissioner shall have the final decision In case of any deviation.

Company Name: Chakrawarthy Groups

RFP Name: RFP for Selection of Agency for Setting up ANPR at Select locations in Chhattisgarh State

Serial	PgNo	Section	Conditions	Remark				Reply/Clarification
1	25	PQ Criteria, Point 7	The bidder shall have qualified manpower of more than 50 employees working in the design, development and implementation of ICT (information and communication technologies) related projects as on date of bid submission	Some of our employees are part of the operations and management who directly/indirectly contributes for the ICT projects. Will they be considered as per the requirement.				All Manpower will be included

Company Name: Artyka

Serial	PgNo	Section	Conditions	Remark	Reply/Clarification
1	24	PreQualification Criteria, Point 5	The Bidder/consortium member must have a proven track record of successfully implementing at least one ITS-Projects related to Vehicle Identification, Vehicle management, Toll Fee Collection including ANPR camera etc.	We have worked on Vehicle tracking System for vehicle management of few Govt departments to track vehicles and optimize their routes. Would it be considered under vehicle management as mentioned in the criteria? We also have ANPR camera experience without Toll collection	please go through corrigendum.
2	24	PreQualification Criteria, Point 5, Documents Required	Work orders and client completion certificate mentioning the details as mentioned in the criteria	Our projects are on-going therefore, we would be able to submit only the work order and phase completion certificates. Request you to just work orders for ongoing projects.	Work order will be considered as experience.
3	25	PreQualification Criteria, Point 6	The lead bidder should have successfully implemented at least 50 lanes with vehicle management system / fee collection system with vehicle transactions of 1 lakh vehicles per month.	We have worked on Vehicle tracking System for vehicle management of some Govt departments to track vehicles and optimize their routes. There are more than hundreds of routes which we have managed. Would it be considered under vehicle management system as mentioned in the criteria? We can provide the supporting documents from the department for the same.	Yes it will be considered . Please go through corrigendum.

4	25	PreQualification Criteria, Point 6 Documents Required	Work orders and client completion certificate mentioning the details as mentioned in the criteria (Self declaration / system reports for showing vehicle processing.)		Work order will be considered as experience.
5	27	Technical Qualification Criteria, Point 3	The bidder should have successfully implemented at least 50 lanes with vehicle management system / fee collection system with vehicle transactions of 1 lakh vehicles per month.	We have worked on Vehicle tracking System for vehicle management of few Govt departments to track and manage their vehicles and also to optimize and manage their routes. Can we understand the lane management as the route management also? We can attach the supporting documents from the department for the same.	Yes it will be considered . Please go through corrigendum.

Bidder Name: M/s Metro Infrasy Private Limited					
Prebid Queries					
Sr No.	Page No	Clause No	Reference/Subject	Clarification Sought	Reply/Clarification
1	24	2	The Bidder/consortium member should have an average annual turnover of at least 10 Crores INR during last 3 financial years from ICT (information and communication technologies) based business.	Requesting Authority to amend the clause :- Bidder/consortium member should have an average annual turnover of at least 30 Crores INR during last 3 financial years from ICT (information and communication technologies) based business.	please go through corrigendum
2	24	5	The Bidder/consortium member must have a proven track record of successfully implementing at least one ITS-Projects related to Vehicle Identification, Vehicle management, Toll Fee Collection including ANPR Cameras etc.	Considering at least One Project Experience it won't give a probable bidder, Requesting to amend the clause:- The Bidder/consortium member must have a proven track record of successfully implementing at least 4 ITS-Projects related to Vehicle Identification, Vehicle management, Toll Fee Collection including ANPR Cameras etc, having value at least 50% of the project value.	please go through corrigendum
3	24	6	The bidder should have successfully implemented at least 50 lanes with vehicle management system / fee collection system with vehicle transactions of 1 lakh vehicles per month.	Consideration of implementation of at least 50 lanes experience Experience it won't give a probable bidder, requesting to amend the clause:- The bidder should have successfully implemented at least 100 lanes with vehicle management system/fee collection system with vehicle transactions of 1 lakh vehicles per month in last 7 years	please go through corrigendum

4	27	3	<p>"The bidder should have successfully implemented at least 50 lanes with vehicle management system/fee collection system with vehicle transactions of 1 lakh vehicles per month."</p> <p>vehicle management system / fee collection system</p> <p><50 Lane = Disqualified</p> <p>>=50 Lane and <100 lane = 05 marks</p> <p>>=100 Lane and <200 Lane = 10 marks</p> <p>>=200 Lane and <400 Lane = 15 marks</p> <p>>=400 Lane = 20 marks</p>	<p>"The bidder should have successfully implemented at least 100 lanes with vehicle management system/fee collection system with vehicle transactions of 1 lakh vehicles per month in last Seven years</p> <p>vehicle management system/fee collection system</p> <p><100 Lane = Disqualified</p> <p>>=100 Lane and <200 lane = 05 marks</p> <p>>=200 Lane and <300 Lane = 10 marks</p> <p>>=300 Lane and <400 Lane = 15 marks</p> <p>>=400 Lane = 20 marks</p>	<p>please go through corrigendum</p>
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Brihaspathi Technologies Pvt Ltd - Pre Bid Queries

Tender Ref No: TD/09/TC dated 23.08.2022

Name and contact detail of company- Brihaspathi

S No	RFP Page No.	Clause No.	Description (Tender Ref.)	Query / Request for Amendment	Reply/Clarification
1	pg. 24	5) Experience	The Bidder/consortium member must have a proven track record of successfully implementing at least one ITS-Projects related to Vehicle Identification, Vehicle management, Toll Fee Collection including ANPR Cameras etc.	We kindly request you to Amend this clause: We had successfully implemented the ANPR cameras solution at multiple locations like traffic zone areas but we have not implemented at Toll gates.	experience will be considered
2	pg. 25	6) Experience	The lead bidder should have successfully implemented at least 50 lanes with vehicle management system / fee collection system with vehicle transactions of 1 lakh vehicles per month.	We kindly request you to Amend this clause: We had successfully implemented the ANPR cameras solution at multiple locations like traffic zone areas but we have not implemented at Toll gates.	experience will be considered

Name and contact detail of company-

Onnyx Electronics Pvt. Ltd, 11, First Floor, Plot No. 13, Commercial Centre, Karkardooma, Delhi-110092

SL #	Section and sub-section	Page No.	Clause/ Content in the tender	Requested Change	Reply/Clarification
1	3.1. Pre-Qualification Criteria, 5. Experience	24	The Bidder/consortium member must have a proven track record of successfully implementing at least one ITS-Projects related to Vehicle Identification, Vehicle management, Toll Fee Collection including ANPR Cameras etc.	For wider participation, we request for a small change in this clause.	
				The Bidder/consortium member must have a proven track record of successfully implementing at least one ITS-Projects related to Vehicle Detection , Vehicle management / Toll Fee Collection including ANPR Cameras etc.	please go through corrigendum
2	3.1. Pre Qualification Criteria, 8. Manpower	25	The bidder shall have qualified manpower of more than 50 employees working in the design, development and implementation of ICT (information and communication technologies) related projects as on date of bid submission.	This clause will restrict the participation of MSME and smaller organization. We request to kindly reduce the number of manpower.	
				The bidder shall have qualified manpower of more than 20 employees working in the design, development and implementation of ICT (information and communication technologies) related projects as on date of bid submission.	please go through corrigendum

3	2.15 Technical Evaluation 2. Experience	27	The Bidder/consortium member must have a proven track record of successfully implementing at least Three (3) ITS-Projects related to Vehicle Identification, Vehicle management, Toll Fee Collection including ANPR Cameras etc.	For wider participation, we request for a small change in this clause.	
				The Bidder/consortium member must have a proven track record of successfully implementing at least Three (3) ITS-Projects related to Vehicle Detection , Vehicle management / Toll Fee Collection including ANPR Cameras etc.	please go through corrigendum
4	2.15 Technical Evaluation 5. Manpower	27	The bidder shall have qualified manpower of more than 50 employees working in the design, development and implementation of ICT (information and communication technologies) related projects as on date of bid submission. Manpower: <50 = Disqualified >=50 and <75 = 05 marks >=75 and <100 = 10 marks >=100 = 15 marks	This clause will restrict the participation of MSME and smaller organization. We request to kindly reduce the number of manpower.	
				The bidder shall have qualified manpower of more than 20 employees working in the design, development and implementation of ICT (information and communication technologies) related projects as on date of bid submission. Manpower: <20 = Disqualified >=20 and <25 = 05 marks >=25 and <30 = 10 marks >=30 = 15 marks	please go through corrigendum

From: Diptesh Ghosh

S.No	RFP Page	RFP Details	Camera Type	Point No.	Content in the RFP	Clarification Sought	Reply/Clarification
1	Page 42	5. Functional & Technical Requirements	5.1.1. 5MP Fixed Bullet Camera	Point No.14	Lens Type: 2.8 mm	The fixed lens in bullet camera limits the field of view in in an environment like traffic signal or so. It is recommended to consider varifocal lens in ITMS kind of application, also to enhance broader scope of field of view by using a controllable lens. Hence, it is requested to amend the lens specification to varifocal lens. Recommendation: Lens Type: 2.8 mm 2.7 - 13.5 mm motorized varifocal lens	As Per RFP
2	Page 43	5. Functional & Technical Requirements	5.1.1. 5MP Fixed Bullet Camera	Point No.21	Illumination: Color: 0.003 Lux or better at (F1.4, AGC ON), 0 Lux with IR Inbuilt IR (40 mtrs. or better)	The lux level as mentioned in the RFP is Product and OEM specific. As per industry standard the lux level should be 0.05. The aperture value is not identical for all OEM based on the technology used to design the camera and signal processing technique. As per industry standard the aperture value varies between F1.4 - F2.0. Hence, it is requested to amend the specification to make the specification generic to allow participation of other OEM(s). Recommendation: Illumination: Color: 0.003 0.05 Lux or better at (F1.4 - F2.0, AGC ON), 0 Lux with IR Inbuilt IR (40 mtrs. or better)	Recoomedation accepted. Please read the specification as "Illumination: Color: 0.003 0.05 Lux or better at (F1.4 - F2.0, AGC ON), 0 Lux with IR Inbuilt IR (40 mtrs. or better)"

3	Page 43	5. Functional & Technical Requirements	5.1.2 A; Technical Specifications of ANPR;	Point No.8	IR Range: 100m (8-32 mm)	<p>The IR range in ANPR camera is product and OEM specific, proprietary. This specification is favouring a specific OEM and restricting other OEM(s) to participate in this bid. Also, identically the identifiable distance for OCR processing is 17 Mtr. to 35 Mtr., so 100 Mtr. IR range is unnecessary and a specific brand is getting benefitted with this specification. Hence, it is requested to amend the specification to allow participation of other OEM(s).</p> <p>Recommendation: IR Range: 100m (8-32 mm) 30m</p>	IR range of best in industry standard will be accepted.
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Pre-Bid Query

Name and contact detail of company- AGTPL					
SL #	Section and sub-section	Page No.	Clause/ Content in the tender	Requested Change	Reply/Clarification
1	3.1. Pre-Qualification Criteria, 5. Experience	24	The Bidder/consortium member must have a proven track record of successfully implementing at least one ITS-Projects related to Vehicle Identification, Vehicle management, Toll Fee Collection including ANPR Cameras etc.	For wider participation, we request for a small change in this clause. The Bidder/consortium member must have a proven track record of successfully implementing at least one ITS-Projects related to Vehicle Detection , Vehicle management / Toll Fee Collection including ANPR Cameras etc.	please go through corrigendum
2	3.1. Pre Qualification Criteria, 8. Manpower	25	The bidder shall have qualified manpower of more than 50 employees working in the design, development and implementation of ICT (information and communication technologies) related projects as on date of bid submission.	This clause will restrict the participation of MSME and smaller organization. We request to kindly reduce the number of manpower. The bidder shall have qualified manpower of more than 20 employees working in the design, development and implementation of ICT (information and communication technologies) related projects as on date of bid submission.	please go through corrigendum
3	2.15 Technical Evaluation 2. Experience	27	The Bidder/consortium member must have a proven track record of successfully implementing at least Three (3) ITS-Projects related to Vehicle Identification, Vehicle management, Toll Fee Collection including ANPR Cameras etc.	For wider participation, we request for a small change in this clause. The Bidder/consortium member must have a proven track record of successfully implementing at least Three (3) ITS-Projects related to Vehicle Detection , Vehicle management / Toll Fee Collection including ANPR Cameras etc.	please go through corrigendum
4	2.15 Technical Evaluation 5. Manpower	27	The bidder shall have qualified manpower of more than 50 employees working in the design, development and implementation of ICT (information and communication technologies) related projects as on date of bid submission. Manpower: <50 = Disqualified >=50 and <75 = 05 marks >=75 and <100 = 10 marks >=100 = 15 marks	This clause will restrict the participation of MSME and smaller organization. We request to kindly reduce the number of manpower. The bidder shall have qualified manpower of more than 20 employees working in the design, development and implementation of ICT (information and communication technologies) related projects as on date of bid submission. Manpower: <20 = Disqualified >=20 and <25 = 05 marks >=25 and <30 = 10 marks >=30 = 15 marks	please go through corrigendum

Selection of Agency for Setting up ANPR in Chhattisgarh State

From: Willstrong India

S. No.	Section	Clause	Page No.	Clause Description	Query	Clarification/Reply
1	3.1 (5)	Pre-Qualification Criteria	24	The Bidder/consortium member must have a proven track record of successfully implementing at least one ITS-Projects related to Vehicle Identification, Vehicle management, Toll Fee Collection including ANPR Cameras Etc.....	We Would request authorities to consider the experience of OEM's instead of bidders	As Per RFP
2	2.15(2)	Technical Evaluation. Experience	27	Experience The Bidder/consortium member must have a proven track record of successfully implementing at least Three (3) ITS-Projects related to Vehicle Identification, Vehicle management, Toll Fee Collection including ANPR Cameras etc. 1 project = 10 marks 2 projects =20 marks 3 or more projects=30 marks	We Would request authorities to consider the experience of OEM's instead of bidders	As Per RFP
3	3.1(6)	Pre-Qualification Criteria	25	The lead bidder should have successfully implemented at least 50 lanes with vehicle management system / fee collection system with vehicle transactions of 1 lakh vehicles per month	We would request authorities to consider the experience of OEM's instead of bidders	Please go through corrigendum
4	2.15(3)	Technical Evaluation. Experience	27	The bidder should have successfully implemented at least 50 lanes with vehicle management system / fee collection system with vehicle transactions of 1 lakh vehicles per month	We Would request authorities to consider the experience of OEM's instead of bidders	Please go through corrigendum
5	3.1(11)	Pre-Qualification Criteria	25	Proposed Cameras, NVR, Joystick, should be from same OEM.	For better participation we would request to allow multiple OEM offerings	Please go through corrigendum
6	3.1(11)	Pre-Qualification Criteria	26	All type of UPS should be from same OEM.	For better participation we would request to allow multiple OEM offerings	As Per RFP
7	3.11	Roles and Responsibilities	39	For new connections, apply for electricity connection in the name of Transport Department, Chhattisgarh and arranging them	We would request department to provide the electricity connection instead of bidder	As Per RFP
8	3.2	Geographical Scope of services	12	The ANPR system is planned to be installed at 10 locations across the state of Chhattisgarh. Location may increase or decrease	Would request to share the 10 locations where the implementation is envisaged. We also request to kindly confirm the BoM quantity required to be submitted for commercial evaluation.	As Per RFP

9	4 (6)	Common guidelines regarding compliance of systems/equipment	40	Bidder should ensure that only one make and model is proposed for one component in Technical Bid for example all Cameras must belong to a single OEM and must be of the same model etc.	For better participation we would request to allow multiple OEM offerings	As Per RFP
10		Generic Query		Payment Milestones	Please clarify regarding the payment milestones and terms at the time of supply and implementation phase	As Per RFP
11	1.2.	Project Objectives	10	Checking for payment of Road Tax: After recognizing the vehicles, the system should check for any tax paid on that date, fitness, insurance, permit etc by connecting to central database for commercial vehicles tax data. If not, then challan to be issued appropriately by concerned authorities.	We understand that the proposed ANPR shall be integrated with the existing e-challan system of Chhattisgarh, kindly confirm.	Yes
12	1.2.1.	E-Challan System	11	The ANPR project intends to provide the facility for the vehicle detection. The State of Chhattisgarh has existing e-challan system that is used for generating challans against violations.		
13	3	Scope of Services 3.1 Overview 1.C	11	Site Clearance obligations & other relevant permissions.	We understand that the site clearance and permissions shall be arranged by the Transport department or the bidder has to take these permissions, kindly confirm. Kindly also share the details of clearances & permissions required to be factored by the bidder	Transport department will facilitate for permissions
14	3	Scope of Services 3.1 Overview 3. Network Connectivity	12	Network Connectivity: Design, Supply, Installation and Commissioning of Network & Backbone Connectivity for ANPR if connectivity based solution is proposed in place of storage based solution a. Developing necessary connectivity for ANPR	We understand that the intra and inter site (WAN/Bandwidth/Router/Firewall etc.) and central cloud system shall be provided by Transport Department, kindly confirm or whether the bidder has to provide it. In case the bidder has to provide these, then we request to make these as part of the BoQ.	Bidder has to provide
15	3	Scope of Services 3.1 Overview 4. Hardware and Software Infrastructure:	12	Hardware and Software Infrastructure: Design, Supply, Installation and Commissioning of ANPR application software on Cloud with web based viewing at nodes. a. Cloud hosted platform for ANPR system b. Application Integration Services	We understand that the bidder has to propose a single centralized ANPR application for all locations accessible over the web, kindly confirm. Kindly also confirm whether the bidder can propose any cloud hosting for the proposed ANPR Application.	yes. Bidder has to provide application and cloud.

16	3	Scope of Services 3.1 Overview 7. Operations Monitoring & Management:	12	The System Integrator shall monitor operations of the ANPR system including adherence to SLAs, generation of periodic reports, management of day-to-day activities and all such tasks that are necessary for the successful operation of ANPR	Kinldy confirm the number of manpower/resources required for the project operatinos & maintenance.	As per need of bidder.
17	3.2	3.2.Feasibility study for finalization of details technical architecture and project plan	29	Electrical power provisioning	We request that the required electrical power to be provided by Transport department.	As Per RFP
18	3.2(3)	3.2.Feasibility study for finalization of details technical architecture and project plan 3. Security	31	Security - The architecture must adopt an end-to-end security model that protects data and theinfrastructure from malicious attacks, theft, natural disasters etc. Successful bidder must make provisions for security of field equipment as well as protection of the software system from hackers and other threats. Using Firewalls and Intrusion detection systems such attacks and theft should be controlled and wellsupported (and implemented) with the security policy. The virus and worms' attacks should be well defended with Gateway level Anti-virus system, along with work station level Anti-virus mechanism. There should also be an endeavor to make use of theSSL/VPN technologies to have secured communication between Applications and it send users. The objective is to utilize SSL/VPN technologies for secured communication between Applications and its end users. SI may choose to achieve this functionality though appropriate technical solution.	We request that the required firewall/intrusion detection/antivirus etc. should be part of the BoQ	As Per RFP
19	6.5.2	Electrical works and power supply	32	The Transport Department, Chhattisgarh shall facilitate, if any documentation is required from its side. SI shall be responsible for provisioning of requisite electricity power. Recurring electricity charges (during operational phase) will be born by transport department.	We request that the required elctrical power to be provided by Transport department.	As Per RFP
20	3.11	Roles and Responsibilities	38	Payment of the Power bills for all sites	We request that the required bills for connecivity of intra/inter site/cloud (LAN/WAN etc.) shall also be borne by the Tranport department, kindly confirm.	Electricity bill will be paid by selected bidder.
21	3.11	Roles and Responsibilities	39	For new connections, apply for electricity connection in the name of Transport Department, Chhattisgarh and arranging them.	We request that the required elctrical power and connection to be provided by Transport department.	As Per RFP

22	3.11	Roles and Responsibilities	39	Apply for communication (connectivity) for all locations in the name of Transport Department, Chhattisgarh.	We request that the required connectivity (LAN/WAN/Cloud) to be provided by Transport department.																																																																																																																								
23	Annexure 1	Commercial Bids Format & Instructions	51,52	<table border="1"> <thead> <tr> <th>Sr No.</th> <th>Description</th> <th>Qty(A)</th> <th>Per unit price(B)</th> <th>Per set price (C=A*B)</th> <th>GS T (D)</th> <th>Total Price (E=C*D)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Fixed Bullet IR Camera</td> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>Network video recorder for local storage of surveillance feeds</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>HDD 6 TB for 60 Days Storage</td> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>ANPR Camera For Single Lane</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>Power Cord, Cables etc</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td>Poles for mounting Surveillance and ANPR Cameras</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>8 Port POE Switch</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8</td> <td>UPS with the Battery backup of 1 hour</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td>Junction box for UPS</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10</td> <td>Junction box for Placing Network equipment</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>11</td> <td>Software License Per Location</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>12</td> <td>Installation Cost Per Location</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>13</td> <td>Laying of Power Cables (Including Civil)</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>14</td> <td>Internet / Broadband for 1 Year</td> <td>12 Months</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>15</td> <td>Other items / Accessories / cables</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>16</td> <td>Total</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Sr No.	Description	Qty(A)	Per unit price(B)	Per set price (C=A*B)	GS T (D)	Total Price (E=C*D)	1	Fixed Bullet IR Camera	2					2	Network video recorder for local storage of surveillance feeds	1					3	HDD 6 TB for 60 Days Storage	2					4	ANPR Camera For Single Lane	1					5	Power Cord, Cables etc	1					6	Poles for mounting Surveillance and ANPR Cameras	1					7	8 Port POE Switch	1					8	UPS with the Battery backup of 1 hour	1					9	Junction box for UPS	1					10	Junction box for Placing Network equipment	1					11	Software License Per Location	1					12	Installation Cost Per Location	1					13	Laying of Power Cables (Including Civil)	1					14	Internet / Broadband for 1 Year	12 Months					15	Other items / Accessories / cables						16	Total						We understand this proposed BoQ is for per site, kindly confirm. We also request that the required Switches/Firewall/Routers/IDS etc. to meet the High availability, Scalability & Security requirements mentioend in section 3.2 to be made part of this BoQ for better evaluation.	proposed BOQ id for one site. Bidder can increase the BOQ depending upon their proposed solution.
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24	4(15)	Common guidelines regarding compliance of systems/equipment	41	SI is required to ensure that there is no choking point / bottle neck anywhere in the system (end to-end) and enforce performance and adherence to SLAs. SLA reports must be submitted as specified in the Bid without fail	Keeping the criticality of the project, it becomes imperative to ensure that all the devices and the network itself is working at optimal levels. This can be achieved by constantly monitoring the health, performance, events of the network and devices to minimize the downtime. This can be achieved by a comprehensive Network Management system and Ticketing System along with SLA Management. So we request that Enterprise Management System (NMS & Helpdesk/Ticketing Solution with SLA management) be part of the proposed solution and make it part of the BoQ. Reference specs for the EMS are mentioned below:	As Per RFP																																																																																																																							
25	Annexure 9	Project planning document	76	h. SLA and Performance Monitoring Plan: In this plan, Successful Bidder should mention how service level agreements for each item will be monitored and adhered to. The plan should also include the methods / tools to monitor the performance.		As Per RFP																																																																																																																							
26	Generic				Kindly confirm the duration for project deployment & commissioning																																																																																																																								
27	Generic			Specifications for EMS/NMS to be considered	Key technical requirements for NMS	As Per RFP																																																																																																																							

Generic	Specifications for EMS/NMS to be considered	For effective operations and management of IT Operations, there is a need for an industry-standard Network Management System. Given the expanse and scope of the project, EMS becomes very crucial for IT Operations and Some of the critical aspects that need to be considered for operations of IT setup are: a) Server & Network Fault Management b) Server Performance Management c) Network Configuration Management d) Helpdesk/Ticketing with SLA Management	As Per RFP
Generic	Specifications for EMS/NMS to be considered	The proposed monitoring solution should be unified solution that can monitor IP/MPLS network, Carrier grade Network, Core & Distribution Switches, Routers, Servers, CCTV, UPS etc and should support Open standards integration	As Per RFP
Generic	Specifications for EMS/NMS to be considered	The NMS shall have single pane view with visibility across multiple network devices	As Per RFP
Generic	Specifications for EMS/NMS to be considered	Monitor network faults & performance degradations	As Per RFP
Generic	Specifications for EMS/NMS to be considered	The proposed solution must automatically discover manageable elements connected to the infrastructure.	As Per RFP
Generic	Specifications for EMS/NMS to be considered	Proposed solution should provide drill down function and reports	As Per RFP
Generic	Specifications for EMS/NMS to be considered	The proposed tool should be able to monitor various operating system parameters such as processors, memory, files, processes, file systems, etc. where applicable.	As Per RFP
Generic	Specifications for EMS/NMS to be considered	The proposed solution should be make in india	As Per RFP
Generic	Specifications for EMS/NMS to be considered	The proposed solution should support multi-tenancy & distributed architecture	As Per RFP
Generic	Specifications for EMS/NMS to be considered	The proposed solution should have in built automation like ansible for the management & automation	As Per RFP
Generic	Specifications for EMS/NMS to be considered	The proposed solution should have powerful visualisation with customizable topology layouts	As Per RFP
Generic	Specifications for EMS/NMS to be considered	The OEM of the proposed NMS should be CMMI Level3 Certified and should also have ISO 9001 & ISO 27001 certifications	As Per RFP
Generic	Specifications for EMS/NMS to be considered	Solution should provide centralized monitoring with dashboard and network topology	As Per RFP

From: Vehant

REQUEST FOR PROPOSAL FOR SELECTION OF AGENCY FOR SETTING UP ANPR SYSTEM AT SELECT LOCATIONS IN THE STATE OF CHHATTISGARH

Name of Organisation submitting request		Name and Position of person submitting request	Address of Organisation including phone, fax, email points of contact	
Vehant Technologies Pvt. Ltd, B-24, Sector-59, Noida-201301, Uttar Pradesh, India		Kundan Kumar, Manager Sales East(Project)	Email: kundank@vehant.com, Contact: 9332855889	
Sr. No.	Bidding Document Reference (Clause/Page)	Content of RFP requiring clarification	Points of Clarification required	Reply/Clarification
1	5. Functional & Technical Requirements 5.1.2 ANPR-Functional Requirement Page no. 44	The system should support real-time detection of vehicles at the deployed locations, reading its number plate, database look up from vahan server	OEM of ANPR & E-challan application system should have prior experience of successful integration of e-Challan system with VAAHAN database of NIC to fulfill "One Nation, One Challan" policy. Hence to ensure seamless integration kindly amend the clause as: "The ANPR system should be integrated to NIC Vaahan database for the generation of issuance of challan to the overloaded vehicles. Bidder shall submit the documentary evidence of echallan copies of issued challan from NIC VAAHAN/Central Parivahan echallan portal implemented in more than 05 different projects by proposed ANPR & E-challan OEM."	As Per RFP
2	5. Functional & Technical Requirements 5.1.2 ANPR-Functional Requirement Page no. 44	NEW CLAUSE TO BE ADDED AS: 6. The ANPR system should have accuracy of more than 90%. Undertaking along with accuracy certificate from ITMS/ Smart City End-User shall be provided for proposed ANPR OEM.	Meeting accuracy of the ANPR capturing and OCR shall be very important. Asking high accuracy compliance along with past experience user certificate shall ensure the performance of the ANPR system. Kindly add this new clause as: "6. The ANPR system should have accuracy of more than 90%. Undertaking along with accuracy certificate from ITMS/ Smart City End-User shall be provided for proposed ANPR OEM"	As Per RFP
3	5. Functional & Technical Requirements 5.1.2 A; Technical Specifications of ANPR Page no. 45	13. Built in Analytics Automatic license plate recognition system working on optical character recognition technology. Camera should provide clear image of license plate along capture time. Vehicle type classification, Colour identification, no-plate vehicle capture.	Inbuilt camera based ANPR is a proprietary type applications which does not have further level of customization and not integrated with VAHAN as of now. Also accuracy of the inbuilt application are very low and very limited possibility to integrate with any further local or central application. For all the large and criticals projects in Highway/Border Surveillance/Smart City/Safe City there are Local Processing Units(LPU) are deployed with ANPR & echallan applications to perform analytics and integration with VAHAN/NIC for echallan purpose. Hence we suggest to delete this specifications clause which are already covered in 5.1.2 ANPR Functional requirement.	As Per RFP

4	5. Functional & Technical Requirements 5.1.2 A; Technical Specifications of ANPR Page no. 45	14. Accuracy License Plate capture rate should be > 95 %, LPR accuracy > 95%, Mistaken capture rate < 2%	<p>Inbuilt camera based ANPR is a proprietary type applications which does not have further level of customization and not integrated with VAHAN as of now. Also accuracy of the inbuilt application are very low and very limited possibility to integrate with any further local or central application.</p> <p>For all the large and criticals projects in Highway/Border Surveillance/Smart City/Safe City there are Local Processing Units(LPU) are deployed with ANPR & echallan applications to perform analytics and integration with VAHAN/NIC for echallan purpose.</p> <p>Hence we suggest to delete this specifications clause which are already covered in 5.1.2 ANPR Functional requirement.</p>	As Per RFP
5	5. Functional & Technical Requirements 5.1.2 A; Technical Specifications of ANPR Page no. 45	15. NoLicense Plate Detection: Supported 16. Vehicle Type: Car/Van/Bus/Truck/Others 17. Vehicle Color: Red, yellow, green, blue, purple, brown, white, grey (including silver), black Recognizable at daytime	<p>Inbuilt camera based ANPR is a proprietary type applications which does not have further level of customization and not integrated with VAHAN as of now. Also accuracy of the inbuilt application are very low and very limited possibility to integrate with any further local or central application.</p> <p>For all the large and criticals projects in Highway/Border Surveillance/Smart City/Safe City there are Local Processing Units(LPU) are deployed with ANPR & echallan applications to perform analytics and integration with VAHAN/NIC for echallan purpose.</p> <p>Hence we suggest to delete this specifications clause which are already covered in 5.1.2 ANPR Functional requirement.</p>	As Per RFP
6	5. Functional & Technical Requirements 5.1.2 ANPR-Functional Requirement Page no. 46	NEW CLAUSE TO BE ADDED AS: 5.1.2 B - TECHNICAL SPECIFICATION OF LPU	<p>Local Processing Units shall be delpyed inside the Junction Box. ANPR application and echallan application shall be installed on this LPU only which will further communication to VAHAN/NIC database for central monitoring and echallaning.</p> <p>Technical specifications of LPU are:</p> <p>Local Processing Unit shall be of - min. 7th Generation with core i7 CPU, support GPU Intel® HD Graphics 630 min It should have 7 nos. LAN, 16 Bit DIO, SATA, 4 COM, 6-48V DC Wide Voltage Input Memory- DDR4 2133MHz SODIMM, up to 32 GB, Display Port- 1 nos. VGA, 1 nos. HDMI, 1 nos. DP It shall support Secondary Storage 2x2.5" SATA HDD/SSD Bay It shall support USB- 6 nos. USB 3.0 and 2 nos. USB 2.0, LAN- 6 nos. Intel I210AT PCIe Gig. Ethernet; 1 nos. Intel I219LM PCIe Gig. Ethernet support iVpro Power- Voltage Input: DC6~48V, AC Input: External Adapter (Option), Voltage Input: 100VAC~240VAC@50~60Hz Temperature- -40°C ~ 85°C, Certifications- CE, FCC, BIS & MIL 810 G</p>	As Per RFP

Company Name - Aditya Infotech Ltd.

Subject - Tender No. :- TD/09/TC dated 23.08.2022 "REQUEST FOR PROPOSAL FOR SELECTION OF AGENCY FOR SETTING UP ANPR SYSTEM AT SELECT LOCATIONS IN THE STATE OF

Dear Sir,

My self-Hemant Kumar Verma from CPPLU5- A Division of Aditya Infotech Ltd India this letter is regarding Pre-Bid Meet we want some changes and Clarification in this tender

Sn	RFP Page No	EFP Details	Camera Types	Point No	Content in the RFP	Clarification Sought	Reply/Clarification
1	Page 42	5. Functional Technical Requirements	5.1.1. 5MP Fixed Bullet Camera	Point No.14	Lens Type: 2.8 mm	The fixed lens in bullet camera limits the field of view in an environment like traffic signal or so. It is recommended to consider varifocal lens in ITMS kind of application, also to enhance broader scope of field of view by using a controllable lens. Hence, it is requested to amend the lens specification to varifocal lens. Recommendation: Lens Type: 2.8 mm 2.7 - 13.5 mm motorized varifocal lens	Best in industry standard will be accepted.
2	Page 43	5. Functional Technical Requirements	5.1.1. 5MP Fixed Bullet Camera	Point No.21	Illumination: Color: 0.003 Lux or better at (F1.4, AGC ON), 0 Lux with IR Inbuilt IR (40 mtrs. or better)	The lux level as mentioned in the RFP is Product and OEM specific. As per industry standard the lux level should be 0.05. The aperture value is not identical for all OEM based on the technology used to design the camera and signal processing technique. As per industry standard the aperture value varies between F1.4 - F2.0. Hence, it is requested to amend the specification to make the specification generic to allow participation of other OEM(s). Recommendation: illumination: Color: 0.003 0.05 Lux or better at (F1.4 - F2.0, AGC ON), 0 Lux with IR Inbuilt IR (40 mtrs. or better)	As Per RFP
3	Pg No 42	5. Functional & Technical Requirements	5.1.1. 5MP Fixed Point Bullet Camera	Point No. 1	Min, 2592 x 1944 at 25 FPS or better	Please allow Min. 2592 x 1944 at 20 FPS or better	Recommendation accepted. Please read as " Min 2592*1944 at 20 FPS or better"
4	Page 43	5. Functional & Technical Requirements	5.1.2 A; Technical Specifications of ANPR	Point No. 8	IR Range: 100m (8- 32 mm)	The IR range in ANPR camera is product and OEM specific, proprietary. This specification is favouring a specific OEM and restricting other OEM(s) to participate in this bid. Also, identically the identifiable distance for OCR processing is 17 Mtr. to 35 Mtr., so 100 Mtr. IR range is unnecessary, and a specific brand is getting benefitted with this specification. Hence, it is requested to amend the specification to allow participation of other OEM(s). Recommendation: IR Range: 100m(8-32 mm) 30m or better	IR range of best in industry standard will be accepted.

	Page No 45	5. Functional & Technical Requirements	5.1.2 A; Technical Specifications of ANPR;	Point No. 7	Lens Support-8-32 mm	As per multiple OEM has lens size Differentiate ANPR Camera is mounting on heighted so , Please approve Lens Size min 10~32 mm or better or /1 ± 25% variation allow in Lens	Best in industry standard will be accepted.
6	Page NO 46	5. Functional & Technical Requirements	5.1.2 A; Technical Specifications of ANPR;	Point No. 22	Temperature Range (-30°C to +70 °C,	Please allow (-30°C to +60°C) or better	Recommendation accepted. Please read as "(-30°C to +60°C) or better "
7	Page No 46	5. Functional & Technical Requirements	5.1.2 A; Technical Specifications of ANPR;	Point No. 24	Weatherproof - IP67, IK10	Please change this point and allow IP67 or better, then multiple OEM can bid	Recommendation accepted. Please read as " IP67 or better"