

Request for Quotation (RFQ)
Limited market approach

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For any enquiry email to tnicerscell@gmail.com

**GOVERNMENT OF TAMIL NADU
TAMIL NADU ROAD SECTOR PROJECT - II
ICERS CELL**

**Procurement of Goods
Under
National Shopping**

Request for Quotation (RFQ)

RFQ NO. : IN – TNRSP – 147312 – GO – RFQ

NAME OF NON-CONSULTING SERVICE : INVITATION FOR QUOTATIONS FOR SUPPLY OF VEHICLE MOUNTED CAMERA WITH DVR PLUS JOY STICK & ACCESSORIES FOR POLICE DEPARTMENT IN KANCHEEPURAM & TIRUVANNAMALAI DISTRICTS.

PERIOD OF SALE OF RFQ : FROM 08.02.2020 TO 24.02.2020

LAST DATE AND TIME FOR SUBMISSION OF QUOTATION : DATE 24.02.2020 TIME 15.00 HOURS

TIME AND DATE OF OPENING OF QUOTATION : DATE 25.02.2020 TIME 15.00 HOURS

PLACE OF OPENING OF QUOTATION : Guindy, Chennai -25

OFFICER INVITING QUOTATION : Superintending Engineer (H)

ADDRESS FOR COMMUNICATION : ICERS cell, O/o the Director General, Highways Department, 76, Sardarpatel Road, 1st Floor, Integrated Chief Engineers Building, HRS Campus, Guindy, Chennai -600025, Tamil Nadu, India

07th FEBRUARY 2020

**INVITATION FOR QUOTATIONS FOR SUPPLY OF
GOODS UNDER SHOPPING PROCEDURES**

To

Dear Sirs,

Sub : INVITATION FOR QUOTATIONS FOR SUPPLY OF VEHICLE MOUNTED CAMERA WITH DVR PLUS JOY STICK & ACCESSORIES FOR POLICE DEPARTMENT IN KANCHEEPURAM & TIRUVANNAMALAI DISTRICTS

1. You are invited to submit your most competitive quotation for the following goods:-

Brief Description of the Goods	Specifications	Quantity	Delivery Period	Place of Delivery	Installation /Demo Requirement if any
Vehicle Mounted Camera with DVR + Joy Stick & Accessories With Warranty and AMC for 5 Years in Total	Indicated at Annexure I	32 Nos.	30 days from notification of award	SP Office, Kancheepuram (22 Nos.) & SP Office Tiruvannamalai (10 Nos.)	Yes

2. Government of India has received a financing from the World Bank towards the cost of the Tamil Nadu Road Sector Project - II and intends to apply part of the proceeds of this financing to eligible payments under the contract for which this invitation for quotations is issued.

3. To assist you in the preparation of your quotation, we are enclosing the following:

Annexure I : Technical Specification.
Annexure II: Format for Letter of Quotation
Annexure III: Format for Compliance of Technical requirement
Annexure IV: Format for Quotation
Annexure V: Format for Supply order

4. **Bid Price**

- 4.1 The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.

- 4.2 All duties, taxes and other levies payable on the raw materials and components shall be included in the total price.
- 4.3 GST in connection with the sale shall be shown separately.
- 4.4 The rates quoted by the bidder shall include the cost of inland transportation and other incidentals for delivery of the goods to the final destination.
- i. Unloading, safe storage and handling of consignment at site.
 - ii. Site assembly of the supplied goods if any at site, installation, testing and commissioning of the equipment.
 - iii. Maintenance and/or repairs of the supplied goods at each location during the warranty period including spares.
 - iv. Training to be given to at least 50 persons to operate the Equipment procured at both delivery locations
- 4.5 The Prices shall be quoted in Indian Rupees only.
5. Each bidder shall submit only one quotation. Bidder shall not contact other Bidders in matters relating to this Quotation
6. **Validity of Quotation**
- Quotation shall remain valid for a period not less than 45 days after the deadline date specified for submission.
7. **Evaluation of Quotations**
- 7.1 The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which
- (a) are properly signed;
 - (b) conform to the terms and conditions, and specifications and
 - (c) furnish the factory acceptance test certificate.
- 7.2 The Quotations would be evaluated for all item together.
- 7.3 GST in connection with sale of goods shall not be taken into account in evaluation.
8. **Award of contract**
- 8.1 The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
- 8.2 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

- 8.3 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the supply order.
9. The Vendor shall get completion certificate on Supply, Installation, commissioning, testing and training from the Police Department
10. Payment shall be made by the ICERS Cell after getting certificate from Police department towards delivery of the goods, successful installation, commissioning, testing and Training in the following terms.

S.No	Description	Payment Percentage (% on total quoted price)
1	Successful delivery of the goods; successful installation; commissioning and testing	90%
2	Successful completion of training	10%

11. Supply, Installation and commissioning shall be completed within 45 days from issuance of supply order.
12. You shall furnish performance security for 10% of contract value validity period upto 5 years by means of Bank Guarantee in favour of Divisional Engineer (H), ICERS Cell, Highways Department, Guindy, Chennai-60025 Payable at Chennai which will be returned after satisfactory completion of CAMC period
13. The Vendor should produce the schedule for Supply, Installation and Commissioning within one week once the supply order is issued.
14. The product should be associated with manufacture Warranty and Comprehensive AMC up to 5 years.
15. The Supplier requires supplying the items exactly as per specification and will be responsible to replace any defective supplies at his risk and cost if any as directed by the concerned department.
16. The successful bidder should arrange for free demo / working trail of equipment (if required) at the delivery place / Manufactures place as the case may be at the supplier cost. The supply will be accepted subject to the satisfactory demonstration of the equipment to the concerned department and to furnish site acceptance test certificate.
17. The bidder/service providers are required to submit all the required documents related quotation latest by 15.00 hours on 24.02.2020
18. The quotation submitted by the Service Provider shall comprise the following: (a) Letter of Quotation, (b) Compliance of Technical requirement and (c) Quotation (d) Factory acceptance certificate

19. Quotation will be opened at 15.00 Hrs on 25.02.2020 in the presence of bidders.
20. We look forward to receiving your quotations and thank you for your interest in this project.
21. Request for Quotation (RFQ) in English are available online www.tnrsdp.gov.in which is free of cost. The bidder/service provider would be responsible for ensuring that any addendum available on the website is also downloaded and incorporated.

Superintending Engineer (H),
ICERS Cell, o/o the Director General,
Highways Department,
76, Sardar Patel Road,
Guindy, Chennai – 600 025,
Tamil Nadu.
INDIA.
Email: tnicerscell@gmail.com

Annexure –I
TECHNICAL SPECIFICATION

Sl.NO.	DESCRIPTION	DETAILS
1	Camera	Image Sensor: 1/4" CMOS Sensor
		Resolution : 2.0 MP or Better
		Min Illumination: color 0.4 Lux, black 0.01 Lux
		White balance: Automatic tracking, Automatic white balance.
		Signal Noise Ratio: greater than or equal to 50 dB
		Electronic shutter: 1/1 similar to 1/1000 seconds
2	General	Power Supply: 12-24 V DC
		Power Consumption: 30 W
		Protection Grade: IP 67, 3000 V lightning Protection, anti-wave
		Working Temperature: -40 to 65 Degree C
		Efficient IR light irradiation distance up to 150 meters, Min. illumination 0.4 Lux
3	Lens	From 3mm to 120 mm, 30X optical zoom
		Max aperture ratio: F1.6 (W) F4.5(T)
		Horizontal View angle: 57.8 (wide angle) to 1.7 degree (Far point)
		The level of manual speed: 0.5 degree to 120 degree
		Horizontal rotation range: 360 degrees continuous
4	Design	Constant current Circuit design, IR LED life of 50,000 hrs, Should be available with shock proof mount which shall enable videos with clarity even when vehicle is moving. All metal structure, efficient thermal design, reduce temperature of the dome cavity, to prevent the speed dome inside cover fog. A 4 channel NVR from a reputed company with 1 TB HDD to be provided as standard feature
5	Battery	An additional Battery of 24 AH will be provided which will get charged from the vehicle alternator directly when the vehicle is running. This additional battery will power the top PTZ camera and NVR for at least 8 hours when fully charged.

MOBILE DVR WITH DISPLAY, 4G & JOYSTICK KEYBOARD		
1	Mobile DVR system	The system shall be a single integrated unit comprising of Recorder.
2	Operating system	Embedded RTOS operation system, GUI
3	Video Compression	H.264,
4	Max Resolution	Full HD1080P or Better
5	May Playback Resolution	Full HD1080P or Better
6	Analogy Video Input	2-ch, aviation plug
7	Audio compression	OggVorbis or better
8	Audio Input/output	Two way audio, built-in MIC and speaker
9	Communication Interface	1-ch UTP Ethernet Port, 1-Ch RS232 port
10	SD/SDHC	1 slot, up to 32GB Minimum
11	Storage Time	2 Weeks of storage video shall be recorded
12	HDD interface	Capacity up to 1TB or Better
13	USB Interface	2 USB, one on he front-panel for system maintenance and another one the side/front panel for connection the internal SSD disk to
14	Power Supply	DC power specially designed for the vehicle, input Voltage Range: 6-36V.
15	Working Temperature	,-10 °C to +55 °C
16	Working Humidity	Up to 95%
17	Power Consumption	10W including disk
18	Size (W*D*H)	256mm*140mm*54mm or much Better
19	Wireless Function	Shall support WCDMA, EVDO, play and-plug or inbuilt wireless
20	Screen	Built-in 7 inch LED backlight screen, resolution:1280*800
21	Control Button	Built-in 17 control button, shall support 4-axis adjust
22	External Interface	Power input/output, signal cable Connector
23	GPS	Built-in high-sensitivity GPS chip
24	Shock protection	Yes

Annexure –II

FORMAT FOR LETTER OF QUOTATION

Description of the Works: SUPPLY OF VEHICLE MOUNTED CAMERA WITH DVR PLUS JOY STICK & ACCESSORIES FOR POLICE DEPARTMENT IN KANCHEEPURAM & TIRUVANNAMALAI DISTRICTS

To:

The Superintending Engineer (H),
ICERS cell, O/o the Director General, Highways Department,
76, Sardarpatel Road, 1st Floor, Integrated Chief Engineers Building,
HRS Campus, Guindy,
Chennai -600025, Tamil Nadu, India

Subject : SUPPLY OF VEHICLE MOUNTED CAMERA WITH DVR PLUS JOY STICK & ACCESSORIES FOR POLICE DEPARTMENT IN KANCHEEPURAM & TIRUVANNAMALAI DISTRICTS

Reference : RFQ NO: IN – TNRSP – 147312 – GO – RFQ dated: 07.02.2020 from Superintending Engineer (H), ICERS cell

Sir,

We offer to supply the goods described in referred RFQ above in accordance with the Conditions of Procurement for a total Contract Price of -

Rs.** _____ [in figures]

Rs. _____ [in words].

This quotation and your written acceptance of it shall constitute a binding contract between us.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery or collusive arrangements with the competitors.

We hereby confirm that this quotation is valid for 45 days as required in Clause 6 of the Invitation to RFQ.

We have not been debarred/removed from approved lists/(dealings suspended) by the Central/State Governments or by the World Bank.

Yours faithfully,

Authorized Signature : Date: _____

Name & Title of Signatory : _____

Name of Bidder : _____

Address : _____

Contact No : _____

Email id : _____

** To be filled in by the Bidder, together with his particulars and date of submission at the bottom of this Form.

Annexure –III

COMPLIANCE STATEMENT

Vendor Name : _____

Address : _____

GST No : _____

PAN No : _____

Sl.No	Description	Compliance (Yes/No)	Remarks
1	Camera		
	Image Sensor: 1/4" CMOS Sensor		
	Resolution : 2.0 MP or Better		
	Min Illumination: color 0.4 Lux, black 0.01 Lux		
	White balance: Automatic tracking, Automatic white balance.		
	Signal Noise Ratio: greater than or equal to 50 dB		
	Electronic shutter: 1/1 similar to 1/1000 seconds		
2	General		
	Power Supply: 12-24 V DC		
	Power Consumption: 30 W		
	Protection Grade: IP 67, 3000 V lightning Protection, anti-wave		
	Working Temperature: -40 to 65 Degree C		

Sl.No	Description	Compliance (Yes/No)	Remarks
	Efficient IR light irradiation distance up to 150 meters, Min. illumination 0.4 Lux		
3	<p>Lens</p> <p>From 3mm to 120 mm, 30X optical zoom</p> <p>Max aperture ratio: F1.6 (W) F4.5(T)</p> <p>Horizontal View angle: 57.8 (wide angle) to 1.7 degree (Far point)</p> <p>The level of manual speed: 0.5 degree to 120 degree</p> <p>Horizontal rotation range: 360 degrees continuous</p>		
4	<p>Design:</p> <p>Constant current Circuit design, IR LED life of 50,000 hrs, Should be available with shock proof mount which shall enable videos with clarity even when vehicle is moving. All metal structure, efficient thermal design, reduce temperature of the dome cavity, to prevent the speed dome inside cover fog. A 4 channel NVR from a reputed company with 1 TB HDD to be provided as standard feature</p>		

Sl.No	Description	Compliance (Yes/No)	Remarks
5	<p>Battery: An additional Battery of 24 AH will be provided which will get charged from the vehicle alternator directly when the vehicle is running. This additional battery will power the top PTZ camera and NVR for at least 8 hours when fully charged.</p>		
6	<p>Mobile DVR system: The system shall be a single integrated unit comprising of Recorder.</p>		
7	<p>Operating system: Embedded RTOS operation system, GUI</p>		
8	<p>Video Compression: H.264,</p>		
9	<p>Max Resolution: Full HD1080P or Better</p>		
10	<p>May Playback Resolution: Full HD1080P or Better</p>		
11	<p>Analogy Video Input: 2-ch, aviation plug</p>		
12	<p>Audio compression: OggVorbis or better</p>		
13	<p>Audio Input/output: Two-way audio, built-in MIC and speaker</p>		

Sl.No	Description	Compliance (Yes/No)	Remarks
14	Communication Interface: 1-ch UTP Ethernet Port, 1-Ch RS232 port		
15	SD/SDHC: 1 slot, up to 32GB Minimum		
16	Storage Time: 2 Weeks of storage video shall be recorded		
17	HDD interface: Capacity up to 1TB or Better		
18	USB Interface: 2 USB, one on the front-panel for system maintenance and another one the side/front panel for connection the internal SSD disk		
19	Power Supply: DC power specially designed for the vehicle, input Voltage Range: 6-36V.		
20	Working Temperature: ,-10 °C to +55 °C		
21	Working Humidity: Up to 95%		
22	Power Consumption: 10W including disk		
23	Size (W*D*H): 256mm*140mm*54mm or much Better		

Sl.No	Description	Compliance (Yes/No)	Remarks
24	Wireless Function: Shall support WCDMA, EVDO, play and-plug or inbuilt wireless		
25	Screen: Built-in 7 inch LED backlight screen, resolution:1280*800		
26	Control Button: Built-in 17 control button, shall support 4-axis adjust		
27	External Interface: Power input/output, signal cable Connector		
28	GPS: Built-in high-sensitivity GPS chip		
29	Shock protection: Yes		
30	Warranty & AMC : With Warranty and Comprehensive AMC for 5 Years in Total		

Annexure –IV

FORMAT FOR QUOTATION

Sl. No.	Description Goods	Specifications	Qty.	Unit	Quoted Unit Rate in Rs.	Total Amount	
						In Figures	In Words
1	Vehicle Mounted Camera with DVR + Joy Stick & Accessories with Two Year Warranty	Indicated at Annexure I	32	Nos.			
2	3 rd Year CAMC						
3	4 th Year CAMC						
4	5 th Year CAMC						
	TOTAL						
	Applicable GST						

Gross Total Cost : Rs.

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. (amount in figures) (Rs. amount in words) within the period specified in the Invitation for Quotations.

We also confirm that the normal commercial warrantee/guarantee of Two year shall apply to the offered goods.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf has engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices (as defined in the prevailing World Bank’s sanctions procedures) in competing for or in performing the Contract.

Signature of Supplier

Annexure –V

OFFICE OF
.....

SUPPLY ORDER

To:

M/s

.....
.....
.....
.....

Dear Sirs,

Sub: Supply of
.....

Ref Your quotation no..... dated

1. Your quotation no.....of(Date) for the supply of **has been accepted. You are requested to** supply the following goods/equipment at the rates quoted by you and specified against each as per the specifications and terms & conditions specified hereunder:

SL.No	Brief description of goods/ equipment	Specifications	Quantity to be supplied	Unit Rate (Rs.)	Total Price (Rs.)
1					
2					
3					
			Total		

GST will be extra

2. Delivery Period:days from the date of issue of this supply order.
3. Place of delivery : SP Office, Kancheepuram & SP Office Tiruvannamalai
4. Consignee Address:
5. Standard Manufactures commercial Warranty/Guarantee shall be..... months from the date of delivery and acceptance.
6. Other terms and conditions are as under:

- a. The Vendor should produce the schedule for Supply, Installation and Commissioning within one week once the supply order is given.
- b. Supply, Installation and commissioning shall be completed within 45 days from issuance of supply order.
- c. Payment shall be made by the ICERS Cell after getting certificate from Police department towards delivery of the goods, successful installation, commissioning, testing and Training in the following terms.

S.No	Description	Payment Percentage (% on total quoted price)
1	Successful delivery of the goods; successful installation; commissioning and testing	90%
2	Successful completion of training	10%

- d. The Vendor shall get completion certificate on Supply, Installation, commissioning, testing and training from the Police Department and submit the same to ICERS cell, O/o the Director General, Highways Department, HRS Campus, Guindy, Chennai -600025.
- e. ICERS Cell, Highways Department shall make the payment to the successful vendor after getting the necessary clearance from the Police Department.
- f. You shall furnish performance security for 10% of contract value by means of Bank Guarantee in favour of Divisional Engineer (H), ICERS Cell, Highways Department, Guindy, Chennai-60025 Payable at Chennai which will be returned after satisfactory completion of AMC period
- g. Bank Guarantee in the form of irrevocable unconditional issued by any commercial bank in India in favour of Divisional Engineer (H) ICERS cell, O/o the Director General, Highways Department, HRS Campus, Guindy, Chennai -600025
- h. The product should be associated with manufacturer Warranty and Comprehensive AMC up to 5 years.

(Purchaser)

Date:

Place:

Name:

Designation:.....