

TENDER DOCUMENT
FOR
SUPPLY, INSTALLATION AND COMMISSIONING
OF CCTV SYSTEM

ASSOCIATION OF STATE ROAD TRANSPORT UNDERTAKING
(ASRTU)
PLOT NO-4-A,PSP BLOCK,POCKET-14,
SECTOR-8,
DWARKA,NEW DELHI-110077

Tender No. ASRTU/E-I/CCTV-I/2019/01

ASRTU invites sealed quotations from established, reputed & experienced firms for Supply, Installation & Commissioning of CCTV System in the Office of ASRTU at ASRTU Bhawan Plot-4A,PSP Block,Pocket-14,Sector-8,Dwarka,New Delhi-110077.

- 1. Mode of Tendering: Two Bid System**
- 2. Earnest Money Deposit (EMD): Rs. 10000/-(Rs. Ten thousand only)**
- 3. Last Date & Time for submission of bid:05.08.2019(15 hrs)**
- 4. Date,time & venue for opening of Bid(T): 05.08.2019(15:30 hrs)at ASRTU HQ New Delhi**

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1. Introduction

ASRTU invites sealed techno-financial bids from reputed agencies for the supply, installation and commissioning of CCTV system for surveillance in ASRTU office.

1.1 Scope of Work

- a) The bidder is required to supply, install and commission the CCTV System at ASRTU as per the specifications and conditions specified in the different parts of this Tender Document.
- b) The bidders are advised to visit the above mentioned sites before quoting bid in the tender.
- c) The successful bidder shall give comprehensive hands on Training to the ASRTU on operations, preventive maintenance, recording and retrieval of the CCTV recordings etc.
- d) The successful bidder shall carry out the work strictly as per the specifications mentioned in various sections of this tender document.
- e) Workmanship and material used should be of high quality as per prevailing standards in CCTV Surveillance System.
- f) Bids shall be considered only in those cases where the bidder has quoted for the entire scope of the work..

2. Eligibility Criteria for Bidders:

2.1. Minimum Eligibility Criteria

- I.
 - a) The bidding company must be providing complete solution in security and surveillance/CCTV system for the last three years (Copy of Work orders to be furnished).
 - b) The bidding company must be a company with a minimum consolidated turnover of Rs. 50 Lacs per year on an average basis for last three financial years (Kindly submit audited Balance Sheet of last 3 years or CA certificate in respect of turnover of last 3 years)
- II. The bidder must not be debarred or blacklisted by any State or Central Govt. Department to do the business with State or Centre Department or its Autonomous bodies (Kindly Submit Undertaking as per Annexure –C) .
- III. Warranty on products should be as per OEMs

3. Bid Procedures

3.1. Instructions to bidders

The Tender document can be downloaded from ASRTU Website i.e. w.w.w.asrtu.org and the bidders are required to submit the tender in ASRTU Office.

Submission of Bids

Sealed offers prepared in accordance with the procedures enumerated should be Submitted to the ASRTU on or before the last date i.e. 05 August 2019 upto 3 PM.

Opening of Technical Bids

At 3.30 P.M.on dt 05 August 2019
ASRTU,Plot No. 4-A, PSP Block,Pocket-14,
Sector-8,Dwarka,New Delhi-110077

The bidders or their authorized representatives may be present if they so desire.

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Advice to the Bidders

Bidders are advised to study this Tender document carefully before participating. It shall be deemed that submission of Bid by the bidder have been done after their careful study and examination of the Tender document with full understanding to its implications.

Earnest Money Deposit(EMD)

All bidders are required to deposit EARNEST MONEY DEPOSIT Rs. 10000/- in the form of Demand Draft, in favour of Executive Director, ASRTU .

The bids received without required Earnest Money shall be rejected without further Reference. No interest shall be payable by ASRTU on the Earnest Money deposited by Bidder.

The successful bidder will have to deposit the 5% of the final order value of as the Performance Bank Guarantee with the ASRTU for a period of 2 years.

Period of Validity of Offer

Offer should remain valid for 90 days after the date of opening of the Technical bid as prescribed by the ASRTU. If the validity of the offer is required to be extended, the validity of EMD will also have to be extended. An offer valid for a shorter period may be rejected by ASRTU as non responsive.

3.2. Procedure for Submission of Bid

The Bids should be submitted in two parts i.e. Technical Bid and Financial Bid.

Technical Bid:-The Technical Bid should be put in a single sealed cover super scribing the wordings "Technical Bid" for CCTV system at ASRTU The EMD must be enclosed with the technical bid.

Please note that prices should not be indicated in the Technical Bid and if price found quoted, the bid will be summarily rejected.

Financial Bid:- Financial Bid should be put in a single sealed cover super scribing the wordings "Financial Bid" for CCTV System at ASRTU Bhawan Sector-8 Dwarka.

Financial bid should only indicate prices filled as per Profoma provided in the Tender Document.

The Technical Bid Cover and Commercial Bid Cover prepared as above are to be kept in a single sealed cover superscribed with the wordings "Technical and Financial Bids" for CCTV system at ASRTU.

Only authorized person should sign the tender/quotation. His name, designation & address should be given in Capital Letters along with contact no..

No tender will be considered unless and until all the documents are properly signed, stamped and all corrections must also be signed by the tenderers.

Evaluation of Bids;

An evaluation committee consisting of officers from ASRTU will evaluate the bids of all the bidders , both technically and commercially as per the following schedule/pattern.

- a) Only Technical Bid shall be opened on the day of opening of the bids at 3.30 PM on dt. 05.08.19 in the presence of bidders representatives who wish to attend at their cost. The bidders' representatives who are present will be required to put their sign in attendance register.
- b) Conditional bids shall be summarily rejected.

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- c) The Technical Bid document shall be evaluated as per the following:-
 - i) The documentation furnished by the bidder will be examined to see whether the qualifications and specific requirements including technical mentioned in this document are fulfilled.
 - ii) The bidders if required shall make a presentation/demonstration of the CCTV system, if required, to the evaluation committee..
 - iii) ASRTU may ask the bidders to arrange visits of evaluation committee to the departments/organizations where the bidder has already executed such orders as claimed in their bid.
 - iv) The Evaluation committee reserves the right to reject any tender bid without assigning any specific reason to the bidders.

The Commercial Bid of those Bidders who satisfy the parameters laid out in the Technical Bid will only be opened.

The bidder are expected to examine all the instructions, forms, terms & conditions and specification in the Tender Document. Further to furnish all the information required in the Tender Document in every aspect will be at bidder's risk.

4. Payment shall be made against invoice after satisfactorily installation of system and proper functioning & AMC payment is payable on half yearly arrear basis.
5. In case of Non performing of Cameras, the same will replaced by the successful bidder at his own cost.
6. Subletting will not be permitted.
7. Bids once submitted cannot be withdrawn/altered or modified. The bids shall remain Valid and open for acceptance for a period of 90 days from the date of opening of the Technical Bids or for a period as mutually agreed upon. The EMD of any bidder of any Bidder, who fails to abide by the above conditions, will be forfeited.
8. ASRTU reserves the rights to demand any supporting documents from the bidder in the Interest of the organisation after opening of the technical bids. In case has failed to submit Requite documents, the price of those bidder will not be opened & rejected summarily.
09. Proforma for Technical Bid at Annexure –A
10. Proforma for Financial Bid at Annexure –B
11. Undertaking /Declaration regarding Black-listing at Annexure – C
12. Complaint should be attended within 24 hours after service call.
13. Existing CCTV System in the ASRTU office have 8 Cameras and is to be integrated to above proposed CCTV System & integration of existing system with new system is under scope of this tender work for which no any additional cost will be payable.
14. Bidders may visit ASRTU premise & for any clarification may contact to concerned officer Sh. B.P.S. Yadav, Technical Officer (Establishment) [contact no. 43294294, 43294295, 25361640 + Extn.no. 516]

Proforma for Technical Bid

Sr. No.	Description	Information / Inputs to be filled by the Tenderer
1.	Name of the firm/agency	
2.	Address of the firm /agency	
3.	Telephone no. with STD code	
4.	Mobile No.	
5.	E-mail ID	
6.	Nature of Business carried by the firm /agency	
7.	GST No. of the firm /agency	
8.	PAN No. of the firm /agency	
9.	Year of formation of company	
10.	Name & Address of the Director / Proprietor / Partner	
11.	Name of Contact Person	
12.	Mob. no. of Contact Person	
13.	Whether any services provided to ASRTU earlier	
14.	Details of Earnest Money Deposit	D.D. No. Dt. Bank Name
15.	Any other Information	

Signature of owner/Joint owner/ Authorised Signatory

Name of Signatory;

Seal of Company

Date

Place.....

Financial Bid for Supply, Installation & Commissioning of CCTV System

S No	Description	Unit	QTY	BasicRate/Unit (Rs.)	GST	Amount(Rs.)
1	Supply Testing & Commissioning of Bullet / Dome Camera (Brand-Hikvision)- Model No.DS-2CD3121G0-I (2MP IR Fixed Network Dome Camera)	Set	39			
2	Supply Testing & Commissioning of NVR of Brand Hikvision-Model no.-DS-7732NI-K4	Set	1			
3	Supply Testing & Commissioning of 24 Port POE GIGA Smart Layer 2 Managed Switch – DLINK	Set	3			
4	Supply Testing & Commissioning of Lockable Box for 24 Port Switch	Set	2			
5	Supply Testing & Commissioning of 6 TB Surveillance HDD Make Seagate	Set	6			
6	Supply Testing & Commissioning of 25 MM PVC Conduit with all accessories	Mts	750			
7	Supply Testing & Commissioning of Cat 6 wire with accessories – D-LINK	Mts	1525			
8	AMC Charges for 2 years (In Rs.)					
	Total (Rs.)					

Signature of owner/Joint owner/ Authorised Signatory

Name of Signatory;

Seal of Company

Date

Place.....

HIKVISION DS-7700NI-K4 SERIES NVR

Model		DS-7732NI-K4		
Video/ Audio input	IP video input	32-ch		
	Incoming bandwidth	256 Mbps		
	Outgoing bandwidth	160 Mbps		
Video/ Audio Output	HDMI output resolution	4K (3840 x 2160)/ 30Hz, 2K (2560 x 1440)/ 60Hz, 1920 x 1080/60Hz, 1600 x 1200/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz, 1024 x 768/60Hz		
	VGA output resolution	1920 x 1080/ 60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz, 1024 x 768/60Hz		
	Audio output	1-ch, RCA (Liner, 1 K Ω)		
Decoding	Decoding format	H.265/H.265+/H.264+/H.264/MPEG4		
	Recording resolution	8MP/6 MP/5 MP/ 4 MP/ 3 MP/ 1080 p/ UXGA/ 720p / VGA/ 4CIF/ DCIF/ 2CIF/ CIF/ QCIF		
	Synchronous playback	8-ch	16-ch	16-ch
	Capability	2-ch @ 8 MP (25 fps) / 4-ch @ 4 MP (30 fps) / 8-ch @ 1080p (30fps)		
Network management	Network protocols	TCP/IP, DHCP, Hik-Connect, DNS,DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS		
Hard disk	SATA	4 SATA interfaces		
	Capacity	Up to 6 TB capacity for each HDD		
External interface	Two – way audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)		
	Network interface	2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces		
	Serial interface	1 RS-485 (half-duplex), 1 RS-232, 1 keyboard (optional)		
	USB interface	Front panel: 2xUSB 2.0; Rear panel: 1x USB 3.0		
	Alarm in/out	16/4		
General	Power supply	100 to 240 VAC		
	power	≤ 80 W		
	Consumption (without hard disk)	≤ 20 W		
	Working temperature	-10 to +55 ⁰ C (14 to 131 ⁰ F)		
	Working humidity	10 to 90 %		
	Chassis	19-inch rack-mounted 1.5U chassis		
	Dimensions (WxDxH)	445x400x71 mm (17.5"x15.7"x2.8")		
	Weight (without hard disk)	≤ 5 kg (11. Lb)		

HIKVISION
DS-2CD3121G0-I
2MP IR Fixed Network Dome Camera

Camera	
Image sensor	1/2. 8" progressive scan CMOS
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0.028 Lux @ (F2.0, AGC ON)
Shutter Speed	1/3 s to 1/100, 000 s
Slow Shutter	Yes
Auto-Iris	No
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
EDR	DWDR
Angle Adjustment	Pan: 0° to 355°, tilt : 0° to 70°, rotate: 0° to 355°
Lens	
Focal length	2.8mm, 4mm, 6mm
Aperture	F2.0
Focus	Fixed
FOV	2.8mm, horizontal FOV 114.8°, vertical FOV 62°, diagonal FOV 135.5° 4mm, horizontal FOV 86°, vertical FOV 46.5°, diagonal FOV 102.5° 6mm, horizontal FOV: 54°, vertical FOV: 30°, diagonal FOV : 62°
Lens Mount	M12
IR	
IR Range	Up to 40 m
Wavelength	850 nm
Compression Standard	
Video compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream:H.265/H.264
H.264 Type	Main Profile/High Profile/ Baseline Profile
H.265 Type	Main Profile
Video Bit Rate	32 kbps to 8 Mbps
Smart Feature-set	
Behavior Analysis	Line crossing detection, intrusion detection
Region of Interest	1 Fixed region for main stream
Image	
Max. Resolution	1920 x 1080
Main Stream Max. Frame Rate	50Hz: 25fps (1920 x 1080, 1280 x 960, 1280 x 720) 60Hz: 30 fps (1920 x 1080, 1280 x 960, 1280 x 720_
Sub-stream Max. Frame Rate	50Hz: 25fps (640 x 480, 640 x 360, 320 x 240) 60Hz: 30fps (640 x 480, 640 x 360, 320 x 240)
Third Stream Max. Frame Rate	50Hz: 1fps (352 x 240, 320 x 240) 60Hz: 1fps (352 x 240, 320 x 240)
Image Enhancement	BLC, 3D DNR, HLC
Image Setting	Saturation, brightness, contrast, sharpness, AGC, white balance adjustable by client software or web browser
Day/Night Switch	Auto, scheduled, day, night
Network	
Alarm Trigger protocols	Motion detection, video tampering alarm, illegal login TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, RTP, RTSP, RTCP, NTP, IGMP, QoS, UDP
General Function	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark
Firmware Version	V5.5.70
API	ONVIF (PROFILE S), ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator, and user
Client	ivms-4200, Hik-Connect, iVMS-5200, iVMS – 4500
Web Browser	IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+
Interface	
Communication Interface	1 RJ45 10M/100M/ self-adaptive Ethernet port
General	
Operation Conditions	-30° C to 60° C (-22° F to 140° F), humidity: 95% or less (non-condensing)
Power Supply	12VDC± 25%, 5.5 mm coaxial power plug PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.4 A, Max: 5 W PoE: (802.3af,36 V to 57 V), 0.2 A to 0.1 A, Max: 6.5 W
Ingress Protection	IP67, IK10
Material	Front cover: plastic, back cover & bracket: metal
Dimensions	Camera: Ø111mm x 82.4 mm (4.4"x 3.2") With package: 134mm x 134mm x 108 mm (5.3" x 5.3" x 4.3")
Weight	Camera: Approx. 400 g (0.9 lb.) With package: Approx. 600 g (1.3 lb.)

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Undertaking

Declaration Regarding Black-Listing

We hereby declare that our firm is not black listed by any Ministry or Department of Central Government/State Government of PSU or other bodies under the Central Government/State Government. We further declare that no criminal case is registered or pending against the firm/company or its owner/partner/directors anywhere in India.

Signature of owner/Joint owner/ Authorised Signatory

Name of Signatory;

Seal of Company

Date

Place.....