

LOK-SABHA SECRETARIAT
PARLIAMENT HOUSE, NEW DELHI

NOTICE INVITING TENDER

Sealed tenders in two bid system are invited from **established, reputed and experienced original manufacturers or their authorized distributors, Governmental/Semi-Governmental Organizations and Public Sector Undertakings** having minimum annual turnover of **10 (ten)** crore for the last three years for supply, installation and commissioning of 07 nos. of **Under Vehicles Scanner System & Automatic Number Plate Reader (ANPR)** on **turnkey basis** in Parliament of India.

Sl. No.	Name of the Equipment	Model of Equipment	Quantity
01	Under Vehicles Scanner System and ANPR	Colour and fixed (installed at level of ground)	07 Nos.

- 2. Technical Specifications of Under Vehicle Scanning System and Terms & Conditions** may be downloaded from the official website of Lok Sabha Secretariat at www.loksabha.nic.in under the head Tender.
- 3. The sealed tenders addressed to “The Joint Secretary(Security), Lok Sabha Secretariat, Room No. 108, Parliament House, New Delhi- 110001”** will be received up to **1300 hrs on 03-09-2015** at the Parliament House Reception Office, Raisina Road, New Delhi. The sealed Technical bids will be opened on **03-09-2015 at 1600 hrs** in the presence of the bidders or their authorized representatives, if desired so with prior intimation to Addl. Director (Technical) (Telephone No.011-23035233) latest by 1330 hrs on **03-09-2015**. Pre-Bid meeting will be held on **20-08-2015** at 1130 hrs in the room no. 47, CCS, Parliament House, New Delhi.

Addl. Director (T)

Lok Sabha Secretariat
Parliament of India

Technical Specification for Under Vehicle Scanning System

S. No.	Specifications for Under Vehicle Scanning System	
1.	Main Camera	a) Sensor Type Progressive area scan or better b) Resolution 4000 pixels or better c) Certification CE/FCC/ISO or similar d) Video output Camera link or better e) Power Supply 12V to 24 V f) Image Device Progressive Scan or better g) IR illuminators h) Weather Proof Cover
2.	Auxiliary and License Plate capture Camera	a) Image Type Progressive Scan or better b) Resolution 640x 480 pixels or better c) Certification CE/FCC/ISO or similar d) Video Format NTSC/PAL e) Power Supply 12V f) Network Protocols all presently existing Protocols g) Day/Night feature h) Weather Proof Cover
3.	Sensor Unit	a) Type Inductive Loop Sensor or better b) Power Supply 220V AC c) Output NO/NC Relay Type or better
4.	Illumination	a) Type IR based LED or better b) Intensity minimum 4 pre-configured mode
5.	Processing Unit	a) Processor Intel Pentium Dual Core (i-7) or better b) RAM minimum 16 GB or more c) HDD minimum 1 TB or more d) Monitor LED minimum 21"(Touch Screen) e) Key Board & Mouse f) Mother Board Intel original with compatible to i-7 or better
6.	Environmental	Operating Temperature, 0 to 55 degree Celsius.

System Components:-

1. High Resolution progressive area scan IP camera with fish eye lens.
2. Loop bases sensors.
3. High speed IP cameras for capturing front and number plate.
4. Sufficient number of auxiliary cameras for taking images of intricate and hard to image areas at under belly of vehicles.
5. Fixed IP based camera for taking image of driver.
6. Fixed IP based camera for capturing Automatic Number Plate at entry & exit gates.
7. Intel Pentium Dual core(i-7)based computer with preloaded operating system or better.
8. LED monitor (Touch Screen)
9. All weather proof stainless steel /Aluminium surface mount enclosure body.
10. Software.

Operational Characteristics:-

1. The system should provide real time video transmitting the picture of the undercarriage of the vehicles of types having different breadth and length. The image should be of high quality by using a high resolution colour camera with minimum resolution of 4000 pixels and should provide detailed viewing by zooming particular portion for thorough inspection.
2. The system should be able to scan the undercarriage of vehicles during adverse weather conditions like pitch dark, fog, rain, wind etc without any additional lighting.
3. Should instantly scan any moving vehicle up to speed of 0-30 kmph without any blurring of images and loss of quality and the composite image so captured should be automatically and dynamically adjusted according to the speed of the vehicle using multiple loop based sensors.
4. Should not be limited as to the length or height of the vehicle being inspected. Should be designed to identify objects and be used for any type of vehicle irrespective of length or height to the undercarriage.
5. Should provide bright white high intensity light to simulate bright day light underneath dark vehicle in pitch darkness.
6. Should be able to automatically adjust brightness and contrast of the system to ensure good quality images, irrespective of different lighting conditions.
7. Should have the facility to automatically detect foreign object or additional attachments on the underside of vehicle. should be designed to simulate a human eye for depth of viewing as if the person is underneath a vehicle inspecting it.
8. The complete civil installation housing should be able to withstand total vehicle load up to 40 tons or more.
9. Should have the facility to store minimum 1 Lakh images and be able to be transferred to external storage device. Should also have the provision for networking.
10. Should have the facility to take back- up of all the transactions to any usual back up or storage media and also to be able to print the reports daily or weekly basis.
11. Should have search function option with period wise, image wise, frontal view, number plate etc.
12. Should have open protocol for integration with other security access control systems like boom barriers, bollards, tyre buster, RF Tags etc without any additional modification, networking and remote monitoring requirements.

13. Should have a life time warranty on camera/LED housing and for corrosion.
14. Should be able to operate during extreme temperature between 0 degree and 55 degree Celsius.
15. All control system should be simple and should have state-of-the-art software for user friendly interaction with the system. It should be possible to operate the equipment by one person.
16. It should have user friendly Graphical user interface (GUI) with provision of multiple users logging of events and search facility.
17. The operator should be able to view the coloured real time image underside of vehicle.
18. Should be able to switch on/off the device, rewind/forward, zoom in/out, slow motion replay the recordings.
19. Should automatically take picture of number plate, driver of the vehicle with progressive scan cameras having night vision capability and underside of vehicle and should compare the current image with an already archived one of the same vehicle or standard image of the same model/make.
20. Should have Automatic Number Plate Recognition (License Plate Recognition) for all alpha numeric characters.
21. Should have capable of displaying the pre stored image of underside of the vehicle, for visual comparison either by license plate number or model name already stored in the data base.
22. Should have preloaded underside images of all types and makes of vehicles and also should have facility of upgrading with undercarriage images of latest vehicles introduced in the market.
23. Should have provision to automatic highlighting of area that needs special attention by the operator.
24. Standard components should be used in system.
25. Should have provision for automatic draining/flowing out of water being accumulated inside the mounting box and automatic periodical cleaning of the line scan camera enclosure glass.
26. Assemblies, subassemblies, component parts and material used in the system should conform to JSS or ISS or similar specifications. Certificate to this effect be provided.

27. Should be able to generate reports on total vehicles scanned day/week/month wise registered/unregistered vehicle wise, vehicle gone out/vehicle present inside the Parliament House Complex.
28. ANPR should have more than 90% accuracy.
29. The recorded data should be useful for the periodic audit.
30. The computer system and monitor will be located in the operation cabin.
31. The connecting cables from the inspection unit to the work station should be armoured and suitable for heavy duty outdoor applications and protected suitably.
32. All components of under vehicles surveillance should be suitable for heavy duty and weatherproof.
33. The firm shall have to carry out the complete job of installation & commissioning of UVSS at entry gates of Parliament House Complex as per requirement on turnkey basis including all kinds of civil and electrical works etc.
34. The UVSS systems should have embedded on the road and completely flush with the ground surface.
35. The firm will have to provide marking required to have the vehicles correctly pass over the unit while avoiding direct contact.
36. The firm must visit the site in Parliament House Complex to know/learn the exact requirement of this work scope on any working day with prior permission /intimation before submission of their quotation and to submit a certificate as having seen the complete job work requirement.
37. Lok Sabha Secretariat will provide a power point nearby to this installation as per requirement.
38. The safety of workers and engineers engaged in installation of UVSS will be the responsibility of the firm.
39. The firm will have to provide training for 07 days for operation and maintenance on ground.

40. The firm will have to provide 02 sets of operational and maintenance manual in English language for UVSS system along with softcopy.

41. The firm will have to provide back up of license copy of system and application software used in the system.

Lok Sabha Secretariat
Parliament of India

Terms & Conditions for Under Vehicle Scanning System (UVSS)

01. Bids are invited from **established, reputed and experienced original manufacturers or their authorized distributors, Governmental/Semi-Governmental Organizations and Public Sector Undertakings** having minimum annual turnover of **Rs. 10 (ten) crore** for the last three years for supply and installation and commissioning of 07 nos. of Under Vehicle Scanning System and Automatic Number Plate Reader (ANPR) on turnkey basis in Parliament of India. The bidding firms should furnish relevant documents as proof of minimum turnover for the last 3 years and Income Tax Return files status, Service Tax and VAT Registration Number, Name of Departments/Ministry/Government Organizations where the firms have supplied similar items earlier, status on Black listing by any Government agency etc.
02. All the Bidders participating in the Tender must submit a list of their owners, partners etc. and certificate to the effect that the firm is neither blacklisted by any Government Department nor any Criminal Case is registered against the firm or its owner or partners or directors anywhere in India.
03. Bidder must state categorically whether or not his offer conforms to all the tender terms and conditions. If there is a deviation in any of the terms and conditions, the extent of deviation and the reasons thereof shall be clearly mentioned in the technical bid.
04. It will be imperative on each bidder to fully acquaint himself with all the local conditions and factors, which would have any effect on the performance of the contract and cost of the stores. No request for the change of price or time schedule of the delivery of stores shall be entertained on account of any local condition or factor once the offer is accepted by the Purchaser.
05. Submission of tender shall be deemed to have been done after careful study and examination of tender documents with full understanding of its implications.
06. Activities in any kind to influence the procurement process by the bidder will result into summarily rejection of bid/cancellation of purchase order/forfeiting of performance security alongwith banning of firm for participation in future tender of LSS.
07. Any information related to project should not be published or advertised for any purpose.
08. All bidders are requested to maintain confidentiality and not to disclosed or share any information of project with any person or party not directly related with the project.
09. Bidders should not ask middlemen/agents/commission agents etc to represent their cause and any such attempt will not be entertained whatsoever.
10. Conditional bids, Telex/Fax bids and incomplete bids will summarily be rejected.

11. Prices should be quoted in Indian Rupees and F.O.R. Lok Sabha Secretariat.
12. The prices should be **excluding** of all taxes/duties civil, electrical and miscellaneous work involving installation and commissioning charges. Charges for civil work, electrical work, miscellaneous work, installation and commissioning may be shown separately item wise (as per appendix-A) Lok Sabha Secretariat will pay all applicable taxes & duties at actual. No tax/duty exemption certificates will be provided by LSS. In the financial bid, price (item wise) and rate of applicable tax should be mentioned separately for comparison and finding out L1 easily.
13. The offers should be valid for 180 days from the date of opening of tender.
14. Bids must be accompanied with Bid Security (Earnest Money) of 10,00,000/- (Rupees Ten Lakh only) in the form of Demand Draft/ Fixed Deposit Receipt /Banker's Cheque or Bank Guarantee from any of the commercial banks drawn in favour of "**Drawing & Disbursing Officer, Lok Sabha, New Delhi**" in an acceptable form. The bid security should remain valid for a period of forty five days beyond the final bid validity period i.e., 180 days from the date of opening of tenders. No interest will be paid on Earnest Money. Bids not accompanied by Earnest Money will not be considered.
15. Bidder(s) registered with DGS&D and NSIC are exempted from furnishing bid security and to avail it, supporting certificate of registration with DGS&D and NSIC should be submitted with the bids.
16. Performance Security @10% of the contract value in the form of Account payee Demand Draft or Fixed Deposit Receipt from a Commercial bank or Bank Guarantee from a commercial bank in an acceptable form will have to be furnished by successful bidder within seven days of entering into agreement with LSS regarding supply, installation , time schedule, payment schedule etc irrespective of their registration status with DGS&D/ NSIC etc.
17. The Performance Security should be valid for a period of sixty days beyond all contractual obligations including warranty and AMC obligations i.e. 10 years (3 years warranty and 7 years AMC period) from the date of final acceptance, integration and commissioning of the equipments. Performance Security will be released after satisfactory completion of warranty and AMC period.
18. Bid security (EMD) of the successful bidder will not be refunded until furnishing of the Performance Security as mentioned above.
19. Bid security of unsuccessful Bidder(s) will be returned within 30 days after the award of purchase order.
20. The Bidder should seal the Technical bid and Financial bid in two separate envelopes superscribed as "Technical bid" and "Financial bid" respectively and both these sealed envelopes are to be placed inside a larger sealed envelope superscribed as " Tender for Under Vehicle Scanning System". Envelope containing the EMD/Bid Security should also be placed in the larger envelope. In the Technical bid the bidder must submit all the relevant details for

alternative/optional items offered. **In the financial bid, price (item wise) and rate of applicable taxes should be mentioned separately for comparison and finding out L1 easily.**

21. Partial bids will not be accepted. The tender is for **07 (seven) nos. of new Under Vehicle Scanning Systems.**
22. The Bidder(s) should ensure availability of after sales service and spare parts. All Bidder(s) should give an undertaking that they would render after sales service and supply of spares throughout the declared life of the equipment i.e. ten years from the date of supply, installation and commissioning to this Secretariat. Technical Team of secretariat may visit the firm to ensure availability of infrastructure meant to provide after sales service. The firm should also provide complete operational training of the equipment to the concerned staff members of this secretariat at no extra cost.
23. The tender is for supply of **Under Vehicle Scanning System.** Only those firms who are in a position to give live demonstration of the equipment offered within four week of notice and supply equipments within 30 days of signing of agreement between LSS and successful bidder(L1) should furnish their bids. The installation, testing, commissioning and handing/taking over of the equipment shall be within a period of 90 days from the date of entering into agreement.
24. The successful bidder shall supply installation, operation, repair and maintenance manuals of the equipment at no extra cost. This includes **User manuals & Equipment Maintenance Manual.**
25. If the supplier fails to perform any of the services of contract within the time period specified in the tender, the Purchaser shall, without prejudice to its other remedies under the tender, deduct from the contract Performance Bank Guarantee, the way of penalty, a sum equivalent to two (2) % of the **cost of the equipment** per week (part of a week being treated as full week) limited to maximum 20 % of the total cost of equipment.
26. In case Bidder(s) is/are a distributor(s), a copy of certificate issued by the principal firm should be enclosed.
27. Bidders should supply technical literature of the equipment(s) and list of customers with their detailed addresses.
28. Bidder(s) should quote on their letter pads. Supporting documents/certificates in respect of VAT/Sale Tax/Service Tax Registration no. should be submitted with the bids.
29. **Buyback Offer:** The Bidder(s) **must** submit buyback offers for 02 nos. of old **Under Vehicle Scanning System(Black & White)** on as is where is basis.
30. **Guaranty/ Warranty**
 - i. The Supplier shall provide on-site warranty for three years. The period of comprehensive onsite warranty will be from the date of installation, testing, commissioning,

handing/taking over and satisfactory functioning of the system certification by the authorized officials of PSS. The Bidder(s) shall provide up-gradation of system free of cost during the warranty period.

- ii. The Supplier must have a maintenance base in Delhi to provide maintenance service, of the system being offered, efficiently and promptly.
 - iii. If the performance of any individual equipment fails to meet the contract specifications then the same shall be replaced by the supplier free of cost during the terms of warranty period within the time stipulated by the Lok Sabha Secretariat.
 - iv. Guaranty / Warranty will be comprehensive i.e. inclusive of all spare parts/consumables if any.
 - v. Breakdown has to be attended within half an hour of complaint.
 - vi. In case of major defects requiring the defective equipment to be taken to suppliers' workshop, a substitute unit will have to be provided by the supplier. The to and fro transportation of the equipment will be responsibility of supplier.
 - vii. Service Engineer has to be made available by the supplier in Parliament House complex during the normal working hours except on Sunday and GH. Preventive Maintenance will be carried out once in every 03 (three) months.
31. Successful bidder will have to enter into an agreement with Lok Sabha Secretariat within two weeks regarding time schedule of installation, repair during warranty and AMC period, payment schedule, penalty for delay in completion or violation of terms and conditions.
32. **Full Service Maintenance Agreement (FSMA) or AMC:**
- a) AMC will be **comprehensive i.e. inclusive of all spare parts including consumables**, if any.
 - b) Bidders(s) should quote for AMC for a period of seven years. The AMC charges should be quoted on FOR price excluding all taxes and duties in terms of percentage and should not exceed the prevailing rates of MHA. **There should be no annual escalation in AMC charges.** For calculation of AMC, cost of civil work, electrical work, miscellaneous work, installation and commissioning should not be included. Total order value for AMC may be given as per the Appendix-B.
 - c) The AMC charges would be considered as a criterion for deciding the lowest bidder. AMC period will start after expiry of Guaranty/ Warranty period. Payment of AMC charges will be made on half yearly basis after completion of each half year and submission of bill for that period, subject to the supplier rendering the maintenance services efficiently and to the complete satisfaction of the purchaser for the said half year.

d) **Penalty clause:**

- i) Response time after information – Within half an hour.
- ii) Maximum time for repair – Two days. AMC charges of the delayed period will not be paid if the delay is more than 6 hours from the specified time limit on pro-rata basis.
- iii) If the supplier fails to repair the equipment(s) within the time period specified in the tender, the secretariat shall, without prejudice to its other remedies under the tender, deduct from the Performance Security by the way of penalty, a sum equivalent to 2% (two percent) of the **cost of the equipment** per week (part of week being treated as full week) up to a maximum deduction of 20 % cost of the equipment(s).

- 33. Sealed Tenders super scribing **“UNDER VEHICLE SCANNING SYSTEM”** complete in all respects and addressed to **The Joint Secretary (Security), Lok Sabha Secretariat, Room No.108, Parliament House, New Delhi-110 001** should reach this Secretariat by 1300 hrs on **03-09-2015**.
- 34. A pre-bid meeting with the prospective bidders will be held on **20-08-2015** in the Office of the Additional Director (Technical), Lok Sabha Secretariat, Room No. 47, CCS, Parliament House, New Delhi-110001, for clarifying the doubts if any at one time.
- 35. At the first instance only Technical bids will be opened on **03-09-2015** at 1600 hrs in the Office of the Additional Director (Technical), Lok Sabha Secretariat, Room No. 47, CCS, Parliament House, New Delhi-110001 in the presence of the Bidder(s) or their representatives, if desired so, with prior intimation to Additional Director (Technical) (Phone: No. 011-23035233) latest by 1330 hrs on **03-09-2015**.
- 36. After evaluation of the technical bids shortlisted Bidder(s) will be intimated. The decision of the Technical Committee on technical suitability of the offer shall be final and shall not be open for discussion. The short listed Bidder(s) would be required to give the live demonstration of the equipment in Parliament House Complex.
- 37. The financial bids of the only technically qualified Bidder(s) will be opened in the office of Additional Director(T), Parliament House, New Delhi in presence of Bidder(s) or their representative, if they desire so. The date and time of opening of financial bids will be intimated to the short listed Bidder(s).
- 38. **Prices after adding AMC charges for seven years and deducting buyback price will be considered for deciding L-1.**
- 39. The payment will be made after acceptance of all the equipments as per approved specification and satisfactory installation in the Parliament House Complex and receipt of supplier's bill complete in all respect and certification from the technical evaluation committee. No advance

payment shall be made to the suppliers. All bills shall be raised in Indian rupees and payments shall also be made in Indian rupees.

40. The Secretariat reserves the right to vary the quantities and /or split the order among the selected Bidder(s) along with right to relax any of the Terms & Conditions.
41. The Secretariat reserves the right to accept or reject any or all tender(s) without assigning any reason whatsoever at any stage of the procurement process.
42. Disputes, if any, emanating from the resultant contract will be interpreted under the Indian Laws. The venue of the arbitration proceedings shall be in the Delhi, India. All disputes shall be subject to jurisdiction of courts of Delhi only.
43. Bid Security/EMD may be forfeited:
 - a. Bidder withdraws his bid during the period of bid validity; or
 - b. In the case of finally selected Bidder, if the Bidder fails;
 - i. to sign the Contract in accordance with terms & conditions of this tender.
 - ii. to furnish Performance Security.
 - iii. if at any stage, any of the information/ declaration made by bidder is found incorrect.
44. In the event of failure to supply whole or part of the agreement or failure to complete the work as per terms of tender/ agreement, LSS is free to order the whole or part of the stores/ work to the L2 or any other source at the risk and cost of L1.
45. **Liquidated Damages:** If the Supplier fails to deliver any or all of the equipments or perform the services within the time period specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract price, as liquidated charges, (not by way of penalty), a sum equivalent to 2 % of the price of the delayed equipments or unperformed service for each and every week (part of a week being treated as a full week) of delay until actual delivery or performance, up to a maximum deduction of 20% of the undelivered equipment.
46. **Force Majeure:** The Contractor shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if the delay in performance or other failure to perform its obligation under the contract is a result of an event of Force Majeure. For purposes of the clause, "Force Majeure" means a event beyond the control of the Contractor and not involving the Contractor's fault or negligence and not foreseeable. Such events may include wars or revolutions, fires, floods, epidemics, quarantine restrictions, freight embargoes etc. Lok Sabha Secretariat will decide whether delay or failure on the part of the supplier was the result of an event beyond his control or not. The decision of Lok Sabha Secretariat in this regard shall be final and binding on the supplier and will not be open to question before any court/forum in any proceedings. To claim force majeure, supplier shall as soon as possible notify in writing to the Lok Sabha Secretariat. Both the parties hereto shall discuss how to deal with the situation arising due to force majeure.

Compliance statement for supply and installation of Under Vehicle Scanning System to be opened on (03-09-2015)

Requirement as per tender compliance status (Yes/No)

1. Earnest Money Deposit
2. Proof of Partnership with OEM
3. Authorized list of deliverables.
4. Undertaking by OEM to support product supplied, during period of warranty (3 years) and AMC (7 years).
5. Acceptance of terms and conditions of tender.
6. All pages of tender and documents furnished to be stamped and signed.
7. Product support for the entire period (10 years) as asked in tender.
8. Documentary proof submitted (wherever applicable as per tender)
9. Tender specific authorization by the OEM towards the bidder for the participation.
10. Compliance of technical specifications as per tender.
11. Original data sheet of equipment from the OEM enclosed.

Appendix-A

Sr. No.	Item description	Price	Applicable Taxes	Applicable Duties	Cost of civil work	Cost of Electrical work	Cost of misc. work	Installation charges	Commissioning charges	Total	Remarks
1											
2											
3											
Total											

Appendix-B

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Sr. No.	Item description	Order value	AMC 1st year	AMC 2nd year	AMC 3rd year	AMC 4th year	AMC 5th year	AMC 6th year	AMC 7th year	Total (3 to 10)	Buy Back Price	Grand Total (11-12)	Remarks
1													
2													
3													
Total													
