

State Transport Commissioner, Punjab, Chandigarh

E-Tender/Traffic Equip/2019/02

SCO 177-178, Sector-17-C, Chandigarh-160001

Notice Inviting E-Tender

E-Tender Notice No.2/2019

State Transport Commissioner, Punjab, Chandigarh, invites online e-Tender for the Purchase of the following items through Tender Committee for purchase of traffic equipments:-

S.No.	Name of Items	Earnest Money (in Rupees)
1.	Breath Analyzer	1,75,000
2.	Laser Speed Gun with Photo Capture	9,00,000
3.	E-Challan Hand Held Devices	3,00,000

Bidders shall deposit a Tender Fee of Rs. 500/- (non-refundable) only through online mode as provided in the GePNIC portal <https://eproc.punjab.gov.in>.

For participating in the above e-tendering process, the Bidders shall have to get themselves registered with <https://eproc.punjab.gov.in> and get user ID, Password. Class-3 Digital Signature is mandatory to participate in the e-tendering process. For any clarification/difficulty regarding e-tendering process flow, please contact us on (Phone No.) **0172-2970263, 2970284**.

E- TENDER FOR SUPPLY OF TRAFFIC EQUIPMENT
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**(Bids only through e-tender will be accepted. Bidders are requested to attach
Only relevant documents with the technical bid).**

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IMPORTANT DATES

1.	Date of issue of e-tender	20-09-2019
2.	Last date for acceptance of e-Tender	14-10-2019 at 5.00 PM
3.	Opening Technical Bids and evaluation thereafter	16-10-2019 at 11.00 AM

Contact Address:

State Transport Commissioner, Punjab
Office at SCO 177-178, Sec 17-C, Chandigarh
Office Phone No. 0172-2771183.

CHAPTER – 1
INSTRUCTIONS TO BIDDERS

Read carefully before applying through e-Tendering process:

1. General

- 1.1 The e-tender is floated through the e-tendering process and only e-bids shall be accepted. Bids are invited in two bid systems, i.e. Technical Bid and Financial Bid. Firms/Companies/OEMs manufacturing the required Traffic equipment or their authorized dealers may only apply. Bidders shall submit samples of all the quoted items as mentioned in the table on Page-1 along with the Technical Bid.
- 1.2 Firms/companies/Fabricators are advised to study the document thoroughly. Submission of Technical Bids and Financial Bids shall be deemed to have been done after careful study and examination of the Technical Bid and Financial Bid document with full understanding of its implications.
- 1.3 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. No request for the change of price or time schedule of delivery of material shall be entertained, on account of any local condition or factor once the offer is accepted by the Purchaser.
- 1.4 The Standing Purchase Committee reserves the right to relax any terms & conditions in govt. interest.
- 1.5 No conditional/optional bid shall be accepted and bidders shall not be permitted to alter or modify their bids after expiry of the deadline for receipt of Bids.
- 1.6 Sample of the quoted items of the successful bidder(s) shall be retained by the department as a control sample.
- 1.7 The bidder shall be responsible to provide items **at Chandigarh**. In case of imported equipments, the bidder must have an office in India and shall be responsible for all type of clearances till the equipments are delivered.
- 1.8 All equipments must conform to the applicable rules and laws of the State Govt., Govt. of India.
- 1.9 Bidder must upload a signed copy of the tender document with seal/stamp of the firm/company.
- 1.10 Department holds the right to cancel the tender at any time due to any reason.
- 1.11 Bidder shall deposit a processing fee as mention in the portal through online mode only.

2. Schedule of E-Tender:

Details of items to be purchased are as under:-

S.No.	Name of Items	Approximate quantity to be purchased
1.	Breath Analyzer	195
2.	Laser Speed Gun with Photo Capture	56
3.	E-Challan Hand Held Devices	390

- 2.1 The E-Tender shall be uploaded on the GePNIC portal <https://eproc.punjab.gov.in>.
- 2.2 Bidders shall submit samples of the quoted items along with the Technical Bid. Samples can be deposited in person by the bidding firms/companies/OEMs at the address mentioned below on any working day between **09:00-17:00 hrs**:
O/o State Transport Commissioner, Punjab SCO 177-178, Sec-17-C, Chandigarh.
- 2.3 Samples should reach the above address on or before opening of the technical bids on the appointed date and time.
- 2.4 The Technical bids will be opened in the office of State Transport Commissioner, Punjab SCO 177-178, Sec-17-C, Chandigarh (Phone No. 0172-2771183).
- 2.5 Evaluation of samples shall be conducted post opening of the Technical Bids.
- 2.6 After evaluation of the Technical Bids, along with documents as proof submitted by the vendors, the short-listed Bidders will be intimated online regarding evaluation of the samples as per technical specifications. The decision of the committee on suitability of the offer shall be final and shall not be open for discussion.
- 2.7 Financial bids of the short-listed Bidders will be opened and bidders will be intimated online about the date and time of opening of bids.
- 2.8 Purchaser reserves the right to vary the quantity of material at the time of placement of Supply Order/Signing of Contract.
- 2.9 **Tolerance Clause**: Purchaser reserves the right & place additional orders at the same rates within 12 months of placing of purchase order.
- 2.10 The Purchaser reserves the right to accept any bid and to annul the bid process and reject all bids at any time, without assigning any reason, prior to placement of supply order/ signing of contract, without thereby incurring any liability to the affected Bidder(s) or any obligation to inform the affected Bidder(s) of the grounds for the Purchaser's action.

3. Bidder Qualification:

- 3.1 **The bidder must be in business from at least past three years. In this regard, it must submit supporting documents along with technical of incorporation , Tax returns of business, balance sheets, Profit & loss accounts etc.**

- 3.2 The average annual turnover of the bidder for last 3 financial years must be at least Rs. 1 Crore for item No.1 to 3. Documents regarding turnover should be certified from Chartered Accountant and should be up-loaded along with technical bid.

4. Earnest Money:-

- 4.1 Earnest Money amount shall be payable as below:-

S.No.	Name of Items	Approximate quantity to be purchased(Nos.)	Earnest Money Payable (Rupees)
1.	Breath Analyzer	195	1,75,000
2.	Laser Speed Gun with Photo Capture	56	9,00,000
3.	E-Challan Hand Held Devices	390	3,00,000

- 4.2 Bidders shall deposit the Earnest Money **only through online mode as provided in the GePNIC portal <https://eproc.punjab.gov.in>**.

- 4.3 No interest will be payable on the Earnest Money by the Purchaser.

- 4.4 The Earnest Money may be forfeited:-

- a) If a Bidder withdraws his bid during the period of bid validity; or
- b) In the case of the finally selected Bidder, if the Bidder fails;
 - i. To sign the Contract in accordance Clause 1 of Chapter-2; or
 - ii. To furnish Contract Performance Security in accordance with Clause 2 of Chapter-2;or
- iii. If at any stage any of the information/declaration is found false.

- 4.5 Earnest Money in respect of the finally selected Bidder will be discharged upon the Bidder signing the Contract, pursuant to Clause 1 of Chapter-2 and furnishing the Contract Performance Security, pursuant to Clause 2 of Chapter-2.

- 4.6 The bidder(s) must use the exemption option as provided on GePNIC portal during the online bid submission process, in case the tender is being quoted item-wise. A bidder has to pay the whole amount of EMD, as mentioned on portal, in case the exemption option is not used/applicable. In case of any clarification/difficulty during this process, the GePNIC help desk may be contacted at 0172-2970263, 2970284.

5. Period of Validity of Bids:

Bids shall remain valid for 12 (Twelve) calendar months from the date of Bid opening. A bid valid for a shorter period may be rejected by the Purchaser as non-responsive.

6. Registration for GST/Taxation Department:

The bidders should have their firm/company registered with the GST (as applicable) Department and shall furnish copies of the testimonials with their Technical Bid.

7. Terms and conditions of Tendering Firms/companies:

- 7.1 Printed terms and conditions of Bidder shall not be considered as forming part of their Bids.
- 7.2 Bidder must state categorically whether or not his offer conforms to all the tender terms and conditions. If there is a variation in any of the terms and conditions, the extent of variation and the reasons thereof shall be clearly mentioned in the technical bid.
- 7.3 Bidder must state categorically whether or not his offer conforms to the requirement given in Chapter 4. Bidder must clearly specify the deviation in the bid. No alteration suggested by the vendor will be accepted.
- 7.4 Bidder must understand that the L-1 bidder have to supply the required material within the time frame mentioned in the E- Tender Document.
- 7.5 The bidder must be original manufacturer or its authorized dealer of the product. In case the bidder is authorized dealer then must submit an authorization letter along with technical bid.

8. Bid Requirements:

- 8.1 The Bidder must quote price of items as per the quantities listed in the BoQ (bill of quantity).
- 8.2 The Successful Bidder(s) shall be required to furnish Contract Performance Security of 10% of the Contract Value in the shape of Fixed Deposit Receipt (FDR) in the name of "Deputy Controller, (F&A) o/o State Transport Commissioner, Punjab, Chandigarh". Performance Security (Security Deposit) has to be obtained from any successful bidder irrespective of its registration status. The FDR shall be returned by with the intend credit by the bank on it to the bidder at the end of the Guarantee or Warranty period of the respective item.
- 8.3 Bidders must submit a list of their owners, partners, etc. and a affidavit to the effect that the firm/company is neither blacklisted by any Government Department nor any criminal case is registered against the firm/company or its owner(s) or partners or director(s) anywhere in India. The firms/companies blacklisted by any Govt. Department, shall not be considered for this tender.
- 8.4 Bids submitted without depositing Tender Fee and Earnest Money will be rejected.
- 8.5 Bids will only be accepted through e-tendering process. Conditional bids, Telex/Fax bids and incomplete bids will be summarily rejected.

9. Bid Prices:

- 9.1 The Bidder shall mention the item-wise unit price including GST (as applicable)/Customs Duty and any other incidental expenses as per the format provided in the GePNIC portal. The bidder shall be selected on the basis of total price inclusive any taxes and charges if any.
- 9.2 The Purchaser will make all payments, under this contract, in Indian rupees.

- 9.3 The bidder should ensure that all columns of the price schedule in BoQ may be duly filled and no column is left blank. After opening of the price bid, no clarifications whatsoever shall be entertained by the Standing Purchase Committee.

10. Guarantee/Warranty:

- 10.1 The material to be supplied by the bidder may be got tested from any approved laboratory. If any deviation is found during the test, the entire amount of EMD will be forfeited and the firm/company may be black listed.
- 10.2 Any nominated departmental committee of the department can visit the site to inspect the material.

11. Contents of Bid:

The Bids prepared by the Bidder shall comprise of the following two components:-

- A) **Technical Bid shall be** comprising of the following and to be filled on online.
- i. Bidders Particulars.
 - ii. Bid Form.
 - iii. EMD to be deposited as prescribed.
 - iv. Test Report, if any.
 - v. Copies of GST (as applicable) Registration.
 - vi. Guarantee as per tender Annexure C-3.
 - vii. Certificate regarding turnover as required in Para 3.3.
 - viii. Samples of the quoted items.
- B) **Financial Bid** in accordance with the formats provided for the BoQ (Bill of Quantity).

12. Procedure for Submission of Bids:

- a. Only Bids received through e-tendering will be accepted. Same may be accessed at <https://eproc.punjab.gov.in>.
- b. Samples of quoted items may be deposited as per process mentioned at Para 2.2, 2.5 and 2.6 above.

CHAPTER - 2

CONDITIONS OF CONTRACT

1. Award of Contract:

- 1.1 Prior to the expiry of the period of bid validity, the Purchaser will notify the finally selected Bidder and place the supply order within 14 days thereafter. If a need for extension of the bid validity period arises, it should be extended by mutual agreement. The notification of award/placement of supply order will constitute the formation of the Contract.
- 1.2 At the time of placement of the supply order, the finally selected Bidder shall sign the contract with the Purchaser. The finally selected Bidder shall bring along with him, the power of attorney, the contract performance security and common seal etc. for signing the contract.

2. Contract Performance Security:

- 2.1 The Contract Performance Security will be in the name of the **Deputy Controller (F&A), o/o State Transport Commissioner, Punjab.**
- 2.2 The Contract Performance Security should be valid for a period of one year from the date of placing supply order to the bidder.
- 2.3 In the event of delay in supply of material as required in the E- tender document the Bidder shall, at the request of the Purchaser, extend the validity of the Contract Performance Security so as to cover the warranty period.

3. Payment Schedule: 90% payment will be released to the bidder after delivery & Inspection of material and balance 10% payment will be released within one month after the successful completion of the supply order as per NIT Specifications.

- 3.1 No advance payment shall be made.

4. Delivery: The successful bidder shall have to supply the goods within 90 days of the issue of supply order. Delivery of goods shall be made at as mentioned above (1.7). The cost of complete delivery of goods i.e. transportation cost and transit insurance (if any) shall be born by the successful bidder. In case of delay in the supply of goods beyond 90 days, penalty @1% of the value of the contract would be imposed per month or part of month on undelivered material.

- 4.1 No recovery of penalty will be made if the delayed supplies are accepted by extending the delivery period by the Indenting Officer.
- 4.2 The Indenting Officer will allow extension on the request of the supplier by recording in writing that the exceptional circumstances were beyond the control of the supplier and there was no loss to Government.
- 4.3 On the failure of the supplier to make supply within the extended period, risk purchase at the cost of supplier will be made by the department. The difference of exceeds of cost thus incurred will be recovered from the supplier in a suitable manner, and even from his

pending bills, earnest money or security whichever is available. This procedure will be adopted after sending registered notice to the supplier to supply stores within 15 days.

5. All documents submitted by the bidders should be attested by the authorized person of the bidder.

6. Test Report and Inspection of Tests:

6.1 Inspection of the material supply: On receipt of the material, inspection will be carried out by a nominated committee of the department and only those material will be accepted, which match with the specification given in the NIT and are strictly according to the approved sample. Rejected material will have to be removed by the bidder, failing, which department shall have no responsibility for its safe keep.

6.2 The Delivery of material is not deemed to have been completed unless all the material is inspected and accepted by the Purchaser.

7. Guarantee/Warrantee:

7.1 The Supplier shall provide comprehensive Manufacture Guarantee/ Warranty for any manufacturing defect in the material as per technical specification in given Draft Notice Inviting Tender (DNIT).

7.2 If the Supplier fails to replace the defective Traffic Equipment, the Purchaser will deduct the cost from the contract performance security.

8. GST clearance Certificate should be enclosed.

9. 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 obligations under the contract is a result of an event of Force Majeure. For purposes of the clause, "Force Majeure" means an 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.

10. Patent Indemnification: The Bidder shall indemnify the Purchaser against all third party claims of infringement of patent, copyright, trademark, if any arising from use of the goods or any part thereof in the Purchaser's country.

11. Waiver: Failure or delay on the part of the Supplier or the Purchaser to exercise right or power hereunder shall not operate as a waiver thereof.

12. Assignability: Neither this Contract nor any rights under it may be assigned by either Party without the express prior written consent of the other Party. However, upon assignment of the assignor's interest in this Contract, the assignor shall be released and discharged from its obligations hereunder only to the extent that such obligations are assumed by the assignee.

13. Severability: If any portion of this Contract or any of the Contract Documents hereto is held to be invalid, such provision shall be considered severable, and the remainder of this Contract hereof shall not be affected.

14. Governing Law: This Contract including the Contract Documents shall be governed by and constructed in accordance with the laws of India and the Chandigarh Courts shall have jurisdiction in this regard.

15. Termination for Default:

15.1 The Purchaser may without prejudice to any other remedy for breach of Contract, by Thirty (30) days written notice of default sent to the Supplier and upon the Supplier's failure and neglect to propose and/or execute any corrective action to cure the default, terminate this contract in whole or in part:

- (i) If the Supplier fails to deliver the material as required in Chapter 4 within the time period(s) specified in the Contract; or
- (ii) If the Supplier fails to perform any other obligation(s) under the Contract.

15.2 On termination of the Contract for default, the security deposit of the Supplier will be forfeited.

15.3 On termination of the Contract for default, action will be taken to black list the Supplier.

16. Termination for Convenience: The Purchaser shall have the right to terminate the Contract in whole or in part at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of work under the contract is terminated and the date upon which such termination becomes effective.

17. Resolution of Disputes: If any question, difference or objection whatsoever shall arise in any way connected with or arising out of this instrument or the meaning or operation of any part thereof or the rights, duties or liabilities of either party than save in so far as the decision of any such matter is hereinbefore provided for and has been so decided, every such matter including whether its decision has been otherwise provided for and/or whether it has finally decided accordingly of whether the contract should be terminated or has been rightly terminated in whole or part and as regards the rights and obligations of the parties as the result of such termination shall be referred for arbitration to any officer appointed by Punjab Government acting as such at the time of reference and his decision shall be final and binding and where the matter involves a claim the amount if any awarded in such arbitration shall be recoverable in respect of the matter so referred.

Annexure C – 1

BIDDER PARTICULARS

(Enclose with Technical Bid)

1. Name of the Bidder :
2. Address of the Bidder :
3. Name & address of the person :
To whom all references shall be
Made regarding this tender enquiry.
Telephone :
Fax :
E-mail :
Signature :
Name :
Designation :
Company Seal :

Annexure C-2

BID FORM

(Enclose with Technical Bid)

Date: ____/____/____

To,

Sir,

Having examined terms & conditions of tender for supply of Traffic equipment for Punjab Road Safety Council, we _____, offer supply and deliver,
(Name of the firm/company)

(Description of Stores and Services)

in conformity with the said E- tender provisions for sums as may be ascertained in accordance with the Schedule of Prices(BoQ) provided in the Financial Bid.

We undertake, if our bid is accepted, to supply the proposed material as per requirement and specifications of the tender.

We further undertake that, if our bid is accepted, we will provide the performance security of a Commercial Bank of a sum equivalent to 10% of the Contract Price for the due performance of the Contract as per terms and conditions of the E- Tender.

We agree to abide by this bid for a period of 270 days from the date fixed for bid opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period. This bid together with your written acceptance thereof and your notification of award shall constitute a binding Contract between us.

We have noted the contents of Contract Form and agree to abide by terms and conditions in the same.

SIGNATURE AND SEAL OF BIDDER

Annexure – C-3

GUARANTEE

(Enclose with Technical Bid)

To,

Ref: E- TENDER FOR SUPPLY OF TRAFFIC EQUIPMENT FOR PUNJAB STATE ROAD SAFETY COUNCIL.

We guarantee that raw material to be used for manufacturing of as quoted Traffic Equipments the tender to be supplied or fabricated by us hereunder shall be brand new, free from all defects. Workmanship and material shall be of the highest grade and quality and consistent with the established and generally accepted standards for materials of the type ordered and shall be in full conformity with the specifications/samples.

We shall be fully responsible in case any defect is found in the material and guarantee to replace the defective material within 02 months. The obligations under the Guarantee expressed above shall include all costs relating to labour and transport charges from site to manufacturers' works and back.

SIGNATURE OF THE WITNESS
DATE _____

SIGNATURE AND SEAL OF BIDDER

Annexure C-4

CHECK LIST - TECHNICAL BID

(Enclose with Technical Bid)

If there is any deviation clarify the same separately.

1.	Have you furnished bid form	Yes/No
2.	Have you paid the tender fee of Rs. 500/-?	Yes/No
3.	Have you furnished bidders' particulars in prescribed Annexure	Yes/No
4.	Have you noted the contents of Contract Form in chapter 2?	Yes/No
5.	Have you deposited Earnest Money as per e- tender document?	Yes/No
6.	Have you thoroughly gone through the contents of e- tender document?	Yes/No
7.	Have you fully complied with the requirements of the e- Tender Document	Yes/No
8.	Have you understood the specifications as mentioned in chapter 4?	Yes/No
9.	Have you furnished the Manufacture's authorization for this bidding?	Yes/No
10.	Have you complied with Guaranty clause?	Yes/No
11.	Have you enclosed GST registration certificates?	Yes/No

SIGNATURE AND SEAL OF BIDDER

Chapter-3

BILL OF QUANTITY

Traffic Equipment

Sr.No.	Name of Items	Approximate quantity to be purchased (N0s.)
1.	Breath Analyzer	195
2.	Laser Speed Gun with Photo Capture	56
3.	E-Challan Hand Held Devices	390

Chapter-4

(TECHNICAL SPECIFICATIONS)

TECHNICAL SPECIFICATIONS FOR E-CHALLAN HAND HELD MACHINE

TECHNICAL SPECIFICATION FOR E-CHALLAN HAND HELD DEVICE		
Sr. No.	Description	Specifications
1	Display	4.0 inches or higher with VGA 640 x 480 resolution, QWERTY keypad with long life buttons.
2	CPU	Latest high speed processor with minimum 1 GHz or higher
3	CPU Speed	1 GHz or higher
4	RAM	1 GB or higher
5	Inbuilt Storage	4 GB or higher flash memory
6	Operating System	Android 5.1 or higher
7	Expansion Slot	Expandable Micro SD Card capacity minimum 32 GB
8	Audio	Good quality Speaker
9	Keyboard	Onscreen QWERTY keypad with long life buttons
10	Connectivity	Dual SIM with 3G/4G GSM/GPRS/EDGE/CDMA. Bluetooth Wi-Fi (IEEE 8.2.11 b/g/n)
11	GPS/GLONASS	Supports both 3G/4G, GPRS & Wi-Fi should support GPS feature
12	USB Ports	USB 2.0 or higher
13	Camera	5.0 MP Integrated Camera with flash or better
14	Indicators	Suitable indication on device for charging, low batter, connectivity , etc
15	Battery	Must last for minimum 8 hrs of use in the field Suitable mechanism for charging from 220V standard AC Power supply must be provided. Vehicle charger also to be provided.
16	Debit/Credit Card Reader	Inbuilt/Integrated IC Card and MSR Card supported with PCI 4.0 or higher compliance and EMV 1.1 and 1.2 (Euro pay Master Card and Visa certification).
17	Contact Smart Card reader	Inbuilt/Integrated Minimum 1 number of contact type smart card reader & writer (SCOSTA Compliant)
18	Printer Type	Inbuilt/Integrated 2" or Higher thermal printer integrated with hand held devices. Print Speed: 60 mm per second or better Easy Paper Loading mechanism Media Type: Direct Thermal Receipt Paper.
19	Device Management	Remotely manageable in secure mode for updation of Software/Patches using MDM functionality
20	SDK	Appropriate SDK need to be provided along with devices.
21	Comprehensive Warranty & AMC	3 Years
22	Required Certification	BIS Registration under CRS of Metity
23	Operating Temperature	0 - 50 degree Celsius
24	Operating Humidity	95% non-condensing
25	Weight including battery	Less than 800 gms
26	Light Immunity	Clear visibility and Legibility under direct sunlight

27	Back Light	LED Back light
28	Finger Print Scanner	Aadhar enabled In-built finger print scanner with latest certification and compliance to UIDAI/STQC norms valid at present or in near future. Further, Scratch free sensor surface, compatible with Android 5.1 or higher. SDK Support and BIS certified
29	Device Health Check	Should have option to check and print the health diagnostic report of the device.
30	QR Code Reader	In-built/Integrated QR Code Reader
31	Compatibility	Should have APIs compatible with MORTH Application i.e. SAARTHI & VAAHAN.

TECHNICAL SPECIFICATIONS FOR LASER SPEED GUN WITH PHOTO CAPTURE

Sr. No.	Description	Specifications
1	ANPR System	Photo, etc
2	Speed Accuracy	± 1kmph
3	Range Accuracy	± 0.15 meters
4	Speed Measuring Range	0 to 300 Kmph
5	Distance Measuring Range	1 KM and above
6	Acquisition Time	<0.3 seconds
7	Working	Day and Night
8	Recording Facility	Video as well as Photo image with target marking
9	Camera	High Resolution Camera to capture object minimum 150 mtr (day) & 60 mtr (night)
10	Display	Image should be displayed with location GPS Co-ordinates, Date, Time & Speed and distance Screen size should be minimum 5 inch with color display
11	Data Transfer	Compatible with USB or Serial port/Blue tooth/Wi-Fi/ Internet. (Including facility of sending the challan at remote. NAKA post/Control room by E-Challanng system)
12	Memory	32 GB inbuilt Extendable upto 1 TB (optional)
13	Battery Operated	Minimum 8 hours usage time. Rechargeable (all kind of battery in use)
14	Laser Type	Laser should be eye safe (FDA Class -Ieye Safe) (certificate to be given)
15	Operation	Point and Shoot, should have continuous read features,
16	Monitored lanes	1 lanes or better
17	GPS System	Yes
18	Size of color touch screen display (Inches)	4x3 Inches or Above
19	Printer	Portable Printer with rechargeable battery of min 4 hours usage time
20	Photo Quality Color Printer	Print should display GPS Coordinates, Date, Time, Speed and distance number plate
21	Technology upgrade with the warranty period.	1) Warranty of the equipment should be 3 years. 2) Warranty of the Battery and chargers should be 1 year 3) Suppliers and manufacturer should give undertaking for supplying spares parts and service for 10 years including warranty period. However, the manufacturer will be responsible, in case the supplier is changed by the manufacturer for service and supply of spare parts.
22	Training	Vendor to provide onsite training to user.

23	Misc	1) The equipment should be water resistant with IP 65 compliance (without printer & battery) 2) System should be certified for competency by IACP for its accuracy and efficiency.
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Technical Specifications- Breath Alcohol Analyzer with Camera		
Sr. No.	Description	Specifications
1	Sensor Technology:	Electro Chemical - Fuel Cell (Alcohol Specific).
2	Sampling Mode:	Active and Passive Sampling modes required. Active Sampling Mode for subject who can give the sample properly and Passive sampling mode for non-cooperating or involuntary subject.
3	Sampling Error Detection:	Alarm on wrong sampling
4	Display:	TFT LCD,4.3 inch with touch screen
5	Unit of Measurement and Accuracy:	Range:0-400mg/100ml or better Accuracy: + 5mg/100ml at 100mg/100ml.
6	Operating Temperature:	Minimum Temperature is -20 deg Celsius Maximum Temperature is 60 deg Celsius
7	Duration of Sampling :	Duration of Sample taking should be less than 5 seconds.
8	Memory:	50,000 Memories With Driver Name Vehicle, Location And Date & Time
9	Mouthpiece:	100 Mouth pieces to be supplied with Instrument.
10	Portability:	It should be handy, portable, use friendly and easy to operate.
11	Recovery Time:	The recovery time should be 5 to 10 seconds for a negative test and not more than 45 seconds for a positive test.
12	GPS:	Inbuilt GPS ,Real time clock
13	Battery:	Rechargeable battery and also work through automobile 12 V DC Power 7.4 Volts with 30 Hours Backup
14	Power Save/Stand By Mode:	It should have power save/Stand By mode when not in use to improve the battery life..
15	Data Transfer:	Bluetooth, USB, Wi-Fi, from any mode data can be send to Central server
16	Audible Indicators:	The device should have an audible beeper to indicate low battery, over range, Positive Test etc.
17	Calibration:	Calibration required after every 6 months.
18	Certification:	Offered instrument s to be certified from a NABL Approved/Accredited lab for accuracy and environmental norms like temperature, humidity etc.
19-A	Weight:	Less than 450 Gms
19	Printer:	Internal Thermal Printer with 200 dpi resolution.

20	Print out:	The print out must be showing instrument number. Test number, Test location time, officer Name, Driver Name, Vehicle number, license number of the subject, recognizable photograph white undergoing the test Bothe in day and night and test result. GPS coordinates of Test Location and Last calibration data are necessary in the Print Out. the Print out should be durable.
21	Camera:	Should be Minimum of 3MP with a flash.
22	Warranty Period:	3 years with calibration after every 6 months.
23	AMC	AMC/CMC for next 05 years.
24	Misc	RoHS Compliant, RF1 requirement as per EN: 5008-1/1992(emission) and EN 50082-1:1997 (Immunity) or equivalent requirement.

FORMAT OF FINANCIAL BID

Sr. No.	Name of the item	Basic per unit price in Rs. (exclusive all of taxes)	Taxes (as applicable)	Total Price
1.	Breath Analyzer			
2.	Laser Speed Gun with Photo Capture			
3.	E-Challan Hand Held Devices			

Note: -

- 1) Lowest bidder shall be selected on the basis of total price inclusive of all taxes and charges.**
- 2) Transportation cost and transit insurance (if any) shall be borne by the successful bidder.**

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