

GOVERNMENT OF TAMIL NADU

POLICE DEPARTMENT

TENDER NOTICE

Rc. No.Tr. Imp.(1)/1402/16748/Shopping/04,

Dt. 24.07.09

The Chennai Traffic Police has proposed to procure the following equipments/materials under Tamil Nadu Urban Development Project –III through Shopping (Limited Tender). The Firms/Companies dealing in the above equipments/materials are invited to furnish their bids (Quotations) as per the terms and conditions stipulated below.

S. No.	Name of the Equipment	Qty.
1.	Radar Guns with Camera with accessories like Monochrome Printer, Stand, Foldable Telescopic Tripod etc.	16
2.	Breath Analyzer with Printer, PC connectivity, Software to download data to PC etc.	22
3.	Variable Message Signs (Vehicle mountable with wireless Communication) with accessories like fixing chain etc.	10
4.	Accessories like Microphone, Floor stand, Collar Microphone (output connections) Inflatable Portable Lighting Tower with Generator with Wooden housing Chair, portable Table etc., and fitting etc for “Mobile Traffic Education Van” along with fitting charges.	2

NOTE:

1. The above mentioned items will be procured through shopping (L/T).
2. Separate tender applications should be submitted for each package.
3. The last date of receipt of tender documents is 10.08.2009 at 11.00 hrs.
4. The opening of tenders will be held on the same date at 15.00 hrs.

5. Quotation for each of the above packages should be submitted in a sealed cover on or before the date and time stipulated.
6. The following details should be furnished along with the tender document.
 - a) Names of Important clients of the Firms/Companies
 - b) How long the Firm/Company has been engaged in this Business?
7. The bidders should display their sample materials for testing and demo at the time of opening of Bid.
8. If the sample materials are not produced or the sample materials do not conform to the specifications, their Commercial Bid will not be opened and the same will be summarily rejected
9. The department/tender committee reserves the right to reject all or part or any of the tenders without assigning any reasons whatsoever and the department/tender committee is not bound necessarily to accept the lowest tender.
10. The tender documents quotations may be sent directly by /post/courier to the Addl. Commissioner of Police, Traffic, Chennai-10 or in Person on or before closing the date and time.

TECHNICAL SPECIFICATIONS

Breath Analyzer with Printer, PC connectivity, Software to download data to PC etc., with installation charges.		
S. No.	Description / Parameter	Specified by the Tenderer
	Measuring Range: 0.0mg/100 ml to 300mg/100 ml	
	Accuracy : +/-10% at 80 mg/100ml	
	Units of measurement : BAC, mg/100 ml	
	Display : Shall be able to display Serial no, date, time, alcohol content.	
	Memory Capacity : At least to store 1000 memories with date, time and alcohol content. The data should be retained even after power off.	
	Printer : In-built dot matrix plain paper printer. Shall print Serial no, date, time, alcohol content with facility to enter name, address etc, details and facility to take multiple copies .	
	PC Connectivity : Shall be able to download entire data to PC through RS 232 / USB port(Compatible to Windows or Linux.	
	Switches and Buttons : Separate switch/button for ON/OFF ,view, print, transfer, erase, etc.	
	Power source : Built in rechargeable battery to take atleast 100 printouts	
	Battery charger : 220V AC and 12V DC charger for charging the battery (from AC Mains or 12 Volt Car Battery)	
	Blowing pressure : < 1.5 PSI (Indication by Audio or Visual).	
	Operating temperature : - 5 to + 45 Degree Celsius	
	Blow pipe : Must be disposable type (1000 pipes to be supplied along with each Analyser)	
	Accessories : Software to download data to PC, RS 232 cable/USB Cable, suitable Carry case for the instruments and Accessories Vendor/Supplier must bring their own certified calibration gas in the calibration cylinder for demonstration and 25 paper rolls to be supplied along with the equipments cost.	
	Warranty: 1 year and 2 years AMC.	

TECHNICAL SPECIFICATIONS

Variable Messaging Systems (Vehicle Mountable)		
S. No.	Description / Parameter	Specified by the Tenderer
	Size of the Display: 42 " X 24 "(Display area)	
	Pitch of LED: 0.5 " maximum	
	No of LEDs: Columns 84 numbers, Row 48 numbers	
	LED viewing Angle: Minimum 60° Horizontal and 23 ° Vertical	
	Display colour : Amper	
	Protection : IP 66 or Higher, additional Polycarbonate LED cover with UV protection	
	Data Downloading: Wireless / GSM Modem / Programmable Input device to be provided by supplier.	
	Messages : Tamil and English compulsory	
	Software: Software for scrolling, Blinking and other special effects	
	Power : Additional battery + Inverter / Charger to be provided by the supplier to operate for minimum of 4 hours on a single charge	
	Mounting: The display should lie flat on the roof of vehicle when not in use. And a mechanism to be provided to tilt the display board to a vertical position with suitable spring assisted dampers and locking device.	
	Once in a vertical position should be able to move 0 to 90° in both directions horizontally.	
	Note: No drilling or welding will be allowed on the vehicle only clamping will be allowed.	
	The price quoted for all equipment/ component should cover the cost of three years warranty and two years maintenance.	

TECHNICAL SPECIFICATIONS

Radar Gun with Camera with accessories like Monochrome Printer, Stand, Foldable Telescopic Tripod and fittings etc.,

S. No.	Description / Parameter	Specified by the Tenderer
	Type : : Hand held vehicle speed detection equipment	
	<u>Speed measurement</u> R range : 20 to 185 kmph	
	Accuracy : +/- 2 kmph	
	Operating Range : 15 to 500 mtrs	
	Display : LED/LCD display for display of speed.	
	Temperature : -30 to 60 degree Celsius	
	Power Supply : Rechargeable batteries with charger for 6 hours and also to support 100 Monochrome prints	
	<u>Camera & Printer</u> Colour Camera : Minimum 10 X zoom and with minimum 400 TV lines	
	Housing : Built-in or Housed separately so that it can be attached to Speed gun when required.	
	Memory : Continuous colour Video Recording (atleast 400 TV lines) with Date and Time for atleast 50 hours.	
	Monochrome Printer : To take print out at the place of use with speed, date and time printed on the photo without interfering with the number plate area.	
	Stand : Foldable Telescopic Tripod of atleast 1.2 m height	
	Accessories : Carry case and necessary cabling. 25 paper rolls are to be supplied along with the equipment. Cost and life of consumables are to be indicated	
	Warranty : 3 years and 2 years AMC for equipment including battery replacement	

TECHNICAL SPECIFICATIONS

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Accessories like Micro phone, Floor stand, Collar Microphone (output connections) Inflatable Portable Lighting Tower with Generator for Mobile Traffic Education Van along with fitting charges.

S. No.	Description / Parameter	Specified by the Tenderer
	<u>Mobile Amplifier Cum Siren</u>	
	Power Supply : 12 V car battery (DC)	
	Power Output : 50 Watts RMS (two tone siren)	
	Input Channel : 2 X Mike – 1 Aux	
	Frequency Response: 100-10000 Hz.	
	S/N Ratio : 60 db	
	<u>Microphone Specification</u>	
	Frequency Response : 50-1600 Hz	
	Sensitivity : 1.6mV/Pa	
	<u>Microphone Floor Stand Specification</u>	
	Height : 90 – 160 cm	
	Base Dia : 23 cm	
	<u>Collar Microphone Specification</u>	
	Frequency Response : 50-1600 Hz	
	Sensitivity : 1.6mV/Pa	
	Cable Length : 3 Meters	
	<u>Inverter 1KVA with one hour backup</u>	
	Output Power Capacity in VA : 1000	
	Output Power Capacity in W : 700	
	Nominal output voltage : 230V single Phase	
	Output voltage setting : Software Configurable for 220,230,or 240V nominal	
	Output Harmonic Distortion :Less than 5% at full load	
	Output Frequency (Sync to Commercial Line Power) :47 – 53 Hz nominal.	
	Waveform :Pure Sine Wave	
	<u>Batteries & Backup Time</u>	
	Battery Type : Maintenance-free sealed leak-proof 12 V. 100 Ah, VRLA.	

S. No.	Description / Parameter	Specified by the Tenderer
	<u>Inflatable Portable Lighting Tower with Generator and Wooden Housing</u>	
	Closed System : 580 x 440 x 520 mm	
	Tower Height : 4.5 M	
	Total weight : 45 Kgs	
	Engine : 4-Stroke petrol.	
	Generator : 1200 VA(rated)	
	Consumption(Fuel) : 1.0 ltr./h	
	Tank Capacity : 7.0 Ltr.	
	Light source : 400 W Metal Halide	
	Brightness : 42000 Lumen	
	Time for Tower extension : 60 Second Time for maximum light	
	Out put : 3 Min	
	Time for folding up & close : 4 Min	
	Warranty : 1 year	