

ASSAM SCIENCE TECHNOLOGY AND ENVIRONMENT COUNCIL

(Department of Science & Technology, Govt. of Assam)

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ASTEC/S&T/1592(2)/2012/

Dt. 15.02.2013

Detailed Notice Inviting Tender

Sealed tenders superscribed with the words “**TENDER FOR CONSTRUCTION OF MOBILE SCIENCE LABORATORY**” are invited from established experienced and reputed registered Body Builder for construction of the following type of body (**This is in continuation of our earlier NIQ No. : ASTEC/S&T/1592(2)/2012/4615 Dt. 11.01.2013**) :

Mobile Science Laboratory on LP 712/42 (Ex BS III)

The last date of receiving tenders upto 2 p.m. of 26th Feb 2013

The tenders will be opened at 3 p.m. on 26th Feb 2013 2013

The tenders will be opened in presence of tenderers or their authorized representatives.

Earnest money of Rs. 16,000.00 (Rupees sixteen thousand) only in the form of bank draft to be issued in favour of Director , ASTE Council, payable at Guwahati is to be attached along with the “Technical Bid”. The earnest money of the unsuccessful tenderer shall be refunded against their application submitted to the Director, ASTE Council.

ASTE reserve the right to reject any or all of the bids submitted in response to the NIT at any stage without assigning any reason whatsoever. ASTE also reserve the right to change any or all of the provisions of the NIT. Such changes will be intimated to all the bidders.

ASTE reserve the right to change , modify , add to alter or annual the process including of additional evaluation criteria. Any change in the selection process shall be intimated to all bidders.

The tenderer must write his name and address of their firm on the cover of the sealed tender, otherwise the tender may not be accepted.

The tender shall be of 2(two) bid systems : **1) Technical bid and 2) Financial bid**

Tender Part I (Technical Bid)

The technical bids shall be opened first and financial bid will be opened only for those bidders , who will duly qualify in the technical bid.

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In technical bid, the following information along with all relevant documents / evidences are to be furnished/ inserted in the technical bid :

- 1) IPO of Rs. 20.00 in favour of Director , ASTE Council, Guwahati is to be enclosed
- 2) EMD of Rs. 16,000.00 (Rupees sixteen thousand) only against each chassis in favour of Director , ASTE Council by way of D D is to be enclosed.
- 3) PAN number, Assam TIN/GRN number and govt. registered certificate are to be mentioned (evidence are to be attached along with the quotation)
- 4) The tenderers must enclose their detail specifications, drawings and photographs for their latest type of constructions of Hi-Tech bus bodies for assessment of quality of their works.
- 5) The tenderers must mention if their firms are in the approved list of DGSD/NSTC, Govt. of India as body builder or registered as SSI unit of the state. If so, a self-certified copy of the registration certificate should be furnished.
- 6) The tenderers should mention the name/names of the STU/STUs for which they have constructed passenger bus bodies during last three years.
- 7) The tenderers must mention if they have constructed at least 10 (ten) nos. of bodies in last three years for any Govt. department/undertaking or any reputed private firm. In to copies of work order and specifications etc. , and in absence of such proofs, their claim as approved bus body builders of Govt. department/undertaking or that of reputed private firms will not be accepted but their tenders will be rejected.
- 8) Tenderers/Bidders firms blacklisted by any Govt. departments /semi Govt. organizations will not be opened and considered.**
- 9) Firms which are successful in technical bid will be inspected by a Technical Committee to assess their capacities and workmanship. In this connection, the Technical Committee will also examine the prototype bodies built by them. The report of the Technical Committee will be final and binding.
- 10) For improvement of life of the bodies ASTEC stresses on phosphating of their steel structural members. As such, Phosphating is one of the criteria of selecting body building firms.
- 11) Capacity of construction of body per annum and the last three years turn-over of the firm.
- 12) Details of infrastructure and machineries including hand-tools.

The firms which are not successful in the technical tender will be disqualified straightway, and their financial tenders will not be opened.

Part-II named as “Financial Bid” shall comprise of the following particulars:

- 1) Body construction rates .(ie. the rate including material cost, painting cost , labour cost, cost of power, factory depreciations and overheads and all other expenses related to the construction of work as required complete , the cost of transportation of the finished body including transit insurance and road tax, any other taxes etc.) The bidders should quote their rates both in figures and in words distinctly inclusive of all applicable taxes and duties . Tenders with over written figures or words will be rejected.

- 2) Chassis will be handed over to the selected bidder at ASTE Council premises and selected bidder will have to deliver all vehicles after successful/satisfactory completion of the works to ASTE Council premises at their own cost.
- 3) Insurance of the vehicles will be borne by ASTE Council and Road Permit (if applicable) and any other taxes will be borne by selected bidder.
- 4) The chassis under construction will be incurred by the body builders at their own cost when the same are in the custody of the builders.
- 5) Successful bidder will have to execute an agreement containing terms and condition for construction of bodies as per approved drawings and specifications and 2% EMD amount will be released after 6(six) month of successful/satisfactory delivery of vehicles.
- 6) All works must be completed within sixty days from the date of the issue of the final work order, failing which, 0.5% penalty per day, per vehicle will be charged and this amount will be deducted from the bill amount of the selected bidder and or Director, ASTEC reserves the rights to take needful steps in case of failure of completion of work within the stipulated time.

Payment:

The condition and legal terms as mentioned under the heading "Payment" herein after may be read carefully.

Any firm when allotted with chassis for construction of body/bodies must undertake to hold the chassis on trust on behalf of the Council while under custody and also undertake not to sell/mortgage or hypothecate or encumber the chassis in any manner what so ever.

The Director of the Council keeps his right reserved to accept or reject any tender without assigning any reason thereof. The decision of the Director in selecting the body builder is final.

No part payment/ advance payment will be made.

90% of the total bill amount will be paid after successful/satisfactory completion and delivery of the vehicles at ASTEC premises and balance 10% will be released after successful/satisfactory completion of one year.

The rates should be quoted inclusive of all applicable taxes and duties and applicable taxes will be deducted at source against which necessary tax deduction certificates will be issued as and when required.

Any dispute what so ever will be confined under the jurisdiction of Guwahati High Court, Guwahati.

General Specifications of the Mobile Science Laboratory

The body will rest on monolithic type all welded hollow M.S. square tubular structures, all the steel members being thoroughly phosphated prior to fitting on the bus body structure. To support the body shell cross-bearers of M.S. channels, 100X50X50mm size, will be used crosswise over the chassis long members or alternately fabricated cross-bearers of adequate depth, formed out of suitable grade of M.S. channels less than 6mm thickness be used. They are to be fastened to the chassis of the vehicle by means of 'U' clamps of not less than 16mm diametrical thickness and good quality nylon nuts are to be used to tighten it.

Structural Members :

Pillars	60x40x2mm CRMS sq.tubes	All TI brand
Hood sticks	50x40x2mm CRMS sq.tubes	All TI brand
Roof longitudinal	50x40x2mm CRMS sq.tubes	All TI brand
Waist rail	80x40x2mm CRMS sq.tubes	All TI brand
Cant rail	50x40x2mm CRMS sq.tubes	All TI brand
Wheel arch	40x25mm 'U' section, 12G CRMS	All TI brand
Floor longitudinal	75x40mm 'U' section, 12G CRMS	All TI brand
Anti rattle section	50x40x2mm CRMS sq.tubes or 25x25x6mm M.S. angles	All TI brand

Chemical treatment of the structural members:

The steel of the side walls, rear wall and the canopy are to be first phosphated and thoroughly rinsed with alkaline solution and water thereafter. These structures are to be coated with Zinc Chromate primer and bitumen based paints after completion of welding on them.

Exterior paneling:

18G galvanized plain sheet is to be in upper half and lower half of the panels.

Interior paneling:

Suitably curved ABS is to be used in the body, covering material will be imported plastic coated steel sheets of 18G thickness.

Front Face:

The front-end structure of the vehicle should have a stream-lined profile to cause minimum wind drag. Single windshield glass of toughened clear glass of 5mm thickness is to be fitted in the front show frame. The all the other type construction will have single piece clear toughened curved glasses of 5mm thickness.

Rear windshield glass

Clear curved toughened glass of 5mm thickness in single piece or more sparing space for rear door, as specified in the specifications of the work order.

Windows:

Light curved glasses of 5 mm thickness ,both sliding , light tinted will be used in all the constructions.

Doors :

Passanger door shall be rolled in type / jack knife type.

Driver's door:

Hinged door with fixed window glasses to be used.

Emergency door:

Hinged door opposite to the passangers door.

Mirrors:

2 nos on each side at front in order to give clear view of the rear sides of the driver (for viewing both right and left)

Sunvisor:

Pull down adjustable type.

Wiper:

Heavy duty conventional type.

Roof hatches:

One in the laboratory compartment and one in the driver's cabin. The Van will have an air duct on top of the roof to ventilate the passanger's saloon. A rain water trap will be fitted at the entry port of that tunnel. Exhaust fans above window and rear side for roof ventilation to provided.

Driver's seat and the dash board:

Driver's seat will be conventional cushion height and adjustable for both forward and backward movement with provision for seat belt.

Bulk Room:

The bulk room will have standard construction in the above model of construction wherever required with a communication door of suitable size and suitably located,so that it does not foul with the main entry door etc.

Battery box:

The battery box is to be located under the floor on the passenger door side. The box should be sized to hold two nos 12V 21 plate standard batteries. These batteries are to be mounted on a sliding tray with suitable hold down clamps. A master cut out safety switch must be provided to disconnect the batteries from consumption circuits when the vehicle is not in operation.

Ceiling lamps :

At least three CFL lamps of 40watts capacity and two stand by bulb type electric lamps are to be provided in the laboratory part. The driver's cabin should have a single ceiling lamp suitably located.

Tail lamps:

Suitable tail lamps matching the body profile will be provided at rear.

Side lamps :

Combined signal and parking light type side lamps will be fitted in the front on each side.

Height marker light:

2nos on each side.

Side marker light:

One in each side at rear ends the side walls.

Fire extinguisher:

1 no. 2 kg capacity as per requirement.

The bed :

The bed will have high comfortable mattress covered with cushion. No bed to be constructed on corrosive and explosive chemical store. Drawers under the beds shall be constructed for storage of laboratory materials which are non-corrosive and non-explosive.

Electrical fittings:

Standard electrical fittings as per MV act and rules. An inverter of 1.5 kw (approx) capacity for electrical appliances to be provided along with extra batteries to be charged by the vehicle alternator through an isolator and special rectifier. The inverter is to be mounted on coil spring in order to isolate it from road shock.

Chemical lavatory :

Provision for chemical lavatory to be provided at rear end.

Bumper:

Front bumper will be of FRP matching the body profile and rear bumper will be of mild steel.

Floor :

19mm BWR ply wood(water proof) overlaid with vinyl carpet of minimum thickness 2mm is to be used. The working area or storing area should be jute or nylon carpeted to avoid shocking. Provision for overhead luggage carrier is to be there parallel to beds' overhead.

Chemical store:

The chemical store cabinet walls are to be of stainless steel sheet of 18swg thickness type in order to prevent any injury in case of breakage or explosion (the inside of which is to be lined with thermocol on all sides for avoiding dunning). The chemical store should be located inside the cabinet and adjacent to the partition wall behind the driver's chamber.

Display chamber:

Display chambers in order to allow viewing by roadside pedestrians shall be located on either side of the laboratory cabinet above window level which should be glass covered and totally rainwater proof.. Its opening door should be from inside. Display chamber also may be provided whose shape shall be vertical and located on both sides .

Water storage /drinking water storage:

A provision of overhead flat type water store is to be there. The container is to be baffled in order to arrest thrust(to be connected to the Chemical lavatory also and wash basin etc.

Hoarding:

A provision for removable hoarding the top height of which should be maximum 10 ft. from the ground. A three dimensional hoarding and display chambers shall display some science models to give the viewers a special look of the van as a science laboratory.

Provision for two reading tables and chairs may be there inside the cabinet which shall be used by the users as reading table or for paper works or for demonstration of simple experiments inside the mobile van itself.

Shelves :

Sufficient numbers of shelves are to be provided for tools/kits/equipments etc. as required

Lavatory :

Proper lavatory facility with provision of proper disposal of waste and water connection facility etc. as required.

Director
ASTE Council

Copy to :

- i. Mission Director, RMSA, Assam – for kind information
- ii. Head (i/c), S&T Division – for information
- iii. Dy. FAO, ASTEC – for information
- iv. Notice Board, ASTEC
- v. The Assam Tribune Pvt. Ltd. – for Circulation
- vi. Website - ASTEC for – for Circulation

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