

**FABRICATION, SUPPLY, TESTING
COMMISSIONING OF AC BUS
(SHELL) ON TATA Chassis (LP/LPO
1512 with 5545 wheel base)FOR
MOBILE SCIENCE EXHIBITION**

TN/PTU/2013-14/8/MSE

AT

**PUNJAB TECHNICAL UNIVERSITY
KAPURTHALA (PUNJAB)**

Punjab Technical University
Jalandhar – Kapurthala Road,
Kapurthala, Punjab

Punjab Technical University

Jalandhar – Kapurthala Road, Kapurthala

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ADVERTISEMENT

PUNJAB TECHNICAL UNIVERSITY

Jalandhar-Kapurthala Road,
Kapurthala

TENDER FOR FABRICATION OF BUS BODY

Sealed offers are invited from reputed Bus Body Builders for FABRICATION ON TATA Chassis (LP/LPO 1512 with 5545 wheel base) supplied and as per the design provided by PTU. The scope of work also includes SUPPLYING, TESTING, COMMISSIONING of it.

Earnest Money: Rs. 40,000/-; **Time Period:** 04 Months

Detailed Document can be obtained from PTU, Jalandhar or can be downloaded from website www.ptu.ac.in.

Pre-bid Meeting at PTU: 11.12.13 (1500 hours)

Last Date for Submission at PTU: 16.12.13 (1430 hours)



COVERING LETTER

From,

(Full name and address of the tendered)

M/S.....
.....

To,

**The Registrar,
Punjab Technical University,
Jalandhar-Kapurthala Road,
Kapurthala, PUNJAB**

**Subject: FABRICATION, SUPPLYING, TESTING,
COMMISSIONING OF diesel fuel propelled Air
Conditioned (AC) BUS TATA Chassis (LP/LPO 1512
with 5545 wheel base)**

Sir,

We hereby submit our offer in full compliance with terms & conditions of the attached tender. The tender is submitted in three separate and sealed envelopes marked Part-I, Part-II & Part-III.

**(Signature of tendered)
With seal**



Particulars

FABRICATION, SUPPLY, TESTING, COMMISSIONING OF diesel fuel propelled Air Conditioned (AC) TATA Chassis (LP/LPO 1512 with 5545 wheel base) to PTU

Date for Pre-Bid Meeting : 11.12.13 (1500 Hours)
Place for Pre-Bid Meeting : Office of the Registrar, PTU
Last Date for submission of Offer : 16.12.13 (1430 Hours)

Place for submission of Offer :
Validity of the Offer : 6 (Six) Months from the last date of submission of Tender

Time Schedule for completion of work : Four (4) months from award of work.

Earnest Money Deposit : Rs.40,000/- (Rs. Forty Thousand Only)

Through Demand Draft in favor of Registrar "PTU", payable at Jalandhar

Particulars of Tendered : Tendered is requested to fill their particulars as per Annexure: I

A

[Handwritten signatures]

SCOPE OF WORK

Body Fabrication, Supply, Testing and Commissioning of diesel propelled Air Conditioned (AC) Bus (Shell) of Tata make Chassis (LP/LPO 1512 – 5545 Wheel base), with norms and specifications of Bharat Stage III or latest emission norms compliant conforming to Central Motor Vehicle Rules (CMVR) requirements. The Chassis will be provided by PTU. The broad details of the chassis are enclosed at Annexure: I. The internal design / interior of the bus will be as per the design provided by PTU.

1. PURPOSE

- 1.1 The Bus will be used as Mobile Science Exhibition.
- 1.2 Bus will be segregated into two sections by partition wall. One section "Driver Cabin" and other section (saloon area / passenger seating area) as "Gallery Section".
- 1.3 A small gallery will be developed in Gallery Section having indoor as well as outdoor facing exhibits as per the layout provided. Visitors will be entering the bus from the rear side, move through the gallery section and exit from the same door at the rear end.
- 1.4 Bus will be going to various schools in rural and urban areas to inculcate scientific temperament among the youth and sensitize the public about socially important issues viz. Female Feticide, Drug / Alcohol abuse and Malnutrition and Health Hygiene.

2. SCOPE

- 2.1 The bus shell design will be energy efficient, environmentally friendly, and safe and secured and attractive as per the layout and drawings provided by PTU.
- 2.2 The broad dimensions of the Bus Chassis are as follows:

➤ Make	TATA
➤ Model	(LP/LPO 1512) BS-III
➤ Fuel	Diesel
➤ Engine	CUMMINS 6BT 5.9 Water Cooled Direct Injection Turbo Charged Diesel Engine
➤ Maximum Power	101 KW (135HP) at 2400 rpm
➤ Wheel Base(in mm)	5545
➤ Tire Size	10R 20-16 PR
➤ Fuel Tank Capacity (in liters)	250
➤ Front Over hand (in mm)	1775
➤ Rear Overhang (in mm)	3325
➤ Overall Length (in mm)	10645
➤ Max Width	2560 mm
➤ Maximum Speed	87 kmph
➤ Electrical	Battery: 2x12 Volts, 150 Ah; Alternator: Capacity: 45 Amps
➤ Turning Circle Diameter (in mm)	20830
➤ Gross Vehicle Weight (In kg)	14860

Bus will be partitioned into two sections Driver Cabin and Gallery Section:

- As per Drawing
- 2.3 The bus should be:
- Ergonomically designed driver's work area
 - Ease of repair and maintenance
 - Aesthetically designed interiors and exteriors
 - Attractive outside design
- 2.4 The bus shell specifications must conform to those promulgated by Central Motor Vehicle Rules (CMVR) requirements, BS III norms or latest norms and other regulations on the subject.
- 2.5 The broad Body Fabrication Specifications are enclosed at **Annexure: II**
- 2.6 The drawings and layouts are enclosed at **Annexure: III**
- 2.7 Salient technical requirements are to be provided by the Bidder and the same shall form a part of 'Technical Bid' as per the specifications mentioned in the tender document.

3 BUS FABRICATION DRAWING

Successful Bidder will provide fabrication drawings within 20 days after the placement of order.

4 APPROVALS and REGISTRATION

- 4.1 Responsibility for approval of design and registration of bus from Government will be that of Bidder, However, PTU will provide necessary support as and when required. The required fees and charges for the approval, registration and insurance will be borne and paid by PTU on the receiving the receipts.

5 TOOL KIT

The complete list of tools in the tool kit to be supplied with bus shall be provided to the Purchaser.

6 INSPECTION AND TESTING:

The bus may be inspected at various stages of fabrication by the PTU's representative at the manufacturer's works.

7 MAINTENANCE SPARES AND MATERIALS

The Bidder shall provide the details of the components/spares required for maintenance of the vehicle.

8 WARRANTY/ GUARANTEE:

The fully built bus shall be covered under Warranty/ Guarantee for 1,00,000 Kms Or 1 year whichever is earlier.

9 STATUTORY REQUIREMENT

The Bidder shall meet all statutory requirements in respect of the Diesel propelled, Air Conditioned bus (shell).

INSTRUCTIONS

FABRICATION, SUPPLY, TESTING & COMMISSIONING of Diesel propelled AC BUS (SHELL) TATA Chassis (LP/LPO 1512 with 5545 wheel base) to PTU, Kapurthala, Punjab.

1. The offer should be submitted in three separate envelopes.

- Part - I (Envelope - I): containing Earnest Money Deposit
- Part - II (Envelope - II): containing Technical Bid
- Part - III (Envelope - III): containing Financial Bid

2. The procedure for submitting the tender shall be as under: -

ENVELOPE - I: superscribed "**EARNEST MONEY DEPOSIT**" should contain

- Earnest Money Deposit in the form of Demand Draft drawn in favour of Registrar, PTU payable at Jalandhar.
- Tender submitted without the Earnest Money will be summarily rejected.
- The earnest money deposited with PTU will be refunded to the unsuccessful tender after finalization and the award of work as per terms & conditions of the contract.
- In case of successful Tenderer, the Earnest Money will be retained as part of the Security Deposit/ Retention Money for satisfactory execution of the contract. In case the Tenderer does not return the signed copy of the work order within 15 days of the award of work, the earnest money shall be forfeited by the PTU.
- No interest will be payable on the EMD.

ENVELOPE - II: superscribed "**TECHNICAL BID**" should contain

- Company Profile
- Particulars of Tenderer (Annexure: I)
- Experience (Relevant Project(s) completed)
- Technical Compliant Certificate
- Salient features and technical specifications
- Proposed Bus's Brochure

ENVELOPE III: superscribed "**FINANCIAL BID**" should contain only the price bid. The price bid shall be opened on the date and time as decided by the Committee to be constituted by the PTU for this purpose.

All the envelopes mentioned above should be submitted in a larger envelope double-sealed cover, super-scribing the Tender for "**FABRICATION, SUPPLY, TESTING & COMMISSIONING OF DIESEL PROPELLED AC BUS (SHELL) TATA Chassis (LP/LPO 1512 with 5545 wheel base) TO PUNJAB TECHNICAL UNIVERSITY, KAPURTHALA, PUNJAB.**" within due

3. PROCEDURE

The procedure of opening the tender shall be as follows:

Envelope – I shall be opened in first instance. Bids without proper Earnest Money shall be out rightly rejected and Envelope – II and III shall not be opened.

Envelope – II shall only be opened with Earnest Money in Envelope-I as required.

➤ The Technical Bid will be evaluated by Technical Evaluation Committee.

Envelope - III of only that bidder(s) shall be opened who have been qualified by the Technical Evaluation Committee.

Conditional bids will be out rightly rejected.

4. CLARIFICATION OF BIDS

To assist in the examination, evaluation and comparison of bids, the purchaser (PTU) may, if necessary, ask bidders individually for clarification of their bids, including break-up of prices

5. SELECTION CRITERIA

The Financial Bids of only those companies will be opened who will be recommended by the Technical Evaluation Committee.

L-1 bidding company out of the technically recommended companies by Technical Evaluation Committee will be awarded the work.