



भारतीय प्रौद्योगिकीसंस्थानमद्रासचेन्ने 600 036
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P K Sheba Sabari
Assistant Registrar (Stores & Purchase)

Date: 11.08.2023

CORRIGENDUM – VII

“SUPPLY OF E-BUS WITH AC AND WITHOUT-AC FOR STUDENT COMMUNITY AT IIT MADRAS”
Tender No. IITM/SPS/E-Bus/008/2023-24/SPL
Tender ID: 2023_IITM_159232_1

1. In Page No. 14 & 18 of 25, under **Technical Specification of Category I-E- Bus without AC- 4 nos. of Annexure A & B, Sl. No. 6, 7, 9, 9a, 10 & 11** may be read as:

Sl.No	Item	Descriptions
1	Number of E-Buses	4 No's
2	Length of E-Buses	About 9 m
3	Width of E-Buses	Around 2500 mm
4	Floor Height	At most 900 mm or less preferred
5	Turning Circle Radius	9 m maximum
6	Number of seats and doors	The seating layout can be chosen to accommodate 25 passengers and above, with a provision of two doorways, with wheel chair operation compatibility.
7	Lighting and other fitments	Bulb type or LED type head lamps with LED lamps inside the vehicle, Camera, with provision of wi-fi.
8	Air conditioning	No
9	Battery Type	Lithium Ion battery
9a	Charger	Dual gun charger need to be provided 1 No. for every two bus
9b	Charging time	Not more than 120 Mins
10	Range	Minimum 180 km of range to be achieved per charge for a period of 10 years. The battery capacity can be selected accordingly to meet this requirement for the given route, schedule and period of operation.
11	Homologation	College application. The bus is for institute use transporting students, faculty and staff.
12	Training for drivers	To be provided by OEM to IITM drivers at free of cost prior to commissioning.
13	Power & Maintenance Infrastructure and related space for vehicles	IITM will provide at free of cost.
14	Specification and Schedule for the readiness	OEM or authorised re-seller of OEM
15	Tool Box, Jack and Spare Tyre, Spare Wheel. will be provided in the bus at a suitable location	Minimum of 1 no. need to be provided and Spare wheel to be provided at the Service Location.
16	Warranty – E-Bus and charger	1 Year of standard warranty should be Total Guarantee for bumper to bumper.

17	CAMC – Bumper to bumper including battery and charger	9 years after the standard warranty period.
18	Fire Detection and Suppression System	Need to cover all possible areas where there are chances of temperature rise, arcing or fire occurs.
Instead of		
Sl.No	Item	Descriptions
1	Number of E-Buses	4 No's
2	Length of E-Buses	About 9 m
3	Width of E-Buses	Around 2500 mm
4	Floor Height	At most 900 mm or less preferred
5	Turning Circle Radius	9 m maximum
6	Number of seats and doors	the seat layout, specification and door layout will be jointly finalized after order issue. Design should be wheel chair operation compatible.
7	Lighting and other fitments	LED Head Lamps and plush interior LED lighting, Camera, with provision of wifi.
8	Air conditioning	No
9	Battery Type	Lithium Ion battery (not less than 240 kWhr)
9a	Charger	Dual gun charger will have 2 ports for every 2 buses. One port will be provided for each bus.
9b	Charging time	Not more than 120 Mins
10	Range	Minimum 180Km at 80% SoC as per AIS 040
11	Homologation	College application
12	Training for drivers	To be provided by OEM to IITM drivers at free of cost prior to commissioning.
13	Power & Maintenance Infrastructure and related space for vehicles	IITM will provide at free of cost.
14	Specification and Schedule for the readiness	OEM or authorised re-seller of OEM
15	Tool Box, Jack and Spare Tyre. will be provided in the bus at a suitable location	Minimum of 1 no. need to be provided and Spare wheel to be provided at the Service Location.
16	Warranty – E-Bus and charger	1 Year of standard warranty should be Total Guarantee for bumper to bumper.
17	CAMC – Bumper to bumper including battery and charger	9 years after the standard warranty period
18	Fire Detection and Suppression System	Need to cover all possible areas where there are chances of temperature rise, arcing or fire occurs.

2. In Page No. **Page 14 & 19 of 25**, under **Technical Specification of Category II-E- Bus with AC- 1 no. of Annexure A & B, Sl. No. 6, 7, 9, 10 & 11** may be read as:

Sl.No	Item	Descriptions
1	Number of E-Buses	1 No
2	Length of E-Buses	About 9 m
3	Width of E-Buses	Around 2500 mm
4	Floor Height	Atmost 900 mm or less preferred
5	Turning Circle Radius	9 m maximum
6	Number of seats and doors	The seating layout can be chosen to accommodate 25 passengers and above, with a provision of two doorways, with wheel chair operation compatibility
7	Lighting and other fitments	Bulb type or LED type head lamps with LED lamps inside the vehicle, Camera, with provision of wi-fi.

8	Air conditioning	Yes
9	Battery Type	Lithium Ion battery
9a	Charger	1 single charger need to be provided.
9b	Charging time	Not more than 120 Mins
10	Range	Minimum 180 km of range to be achieved per charge for a period of 10 years. The battery capacity can be selected accordingly to meet this requirement for the given route, schedule and period of operation.
11	Homologation	College application. The bus is for institute use transporting students, faculty and staff.
12	Training for drivers	To be provided by OEM to IITM drivers at free of cost prior to commissioning.
13	Power & Maintenance Infrastructure and related space for vehicles	IITM will provide at free of cost.
14	Specification and Schedule for the readiness	OEM or authorised re-seller of OEM
15	Tool Box, Jack and Spare Tyre, Spare Wheel. will be provided in the bus at a suitable location	Minimum of 1 no. need to be provided and Spare wheel to be provided at the Service Location.
16	Warranty – E-Bus and charger	1 Year of standard warranty should be Total Guarantee for bumper to bumper.
17	CAMC – Bumper to bumper including battery and charger	9 years after the standard warranty period
18	Fire Detection and Suppression System	Need to cover all possible areas where there are chances of unusual temperature rise, arcing or fire occurs.

Instead of

Sl.No	Item	Descriptions
1	Number of E-Buses	1 No
2	Length of E-Buses	About 9 m
3	Width of E-Buses	Around 2500 mm
4	Floor Height	Atmost 900 mm or less preferred
5	Turning Circle Radius	9 m maximum
6	Number of seats and doors	the seat layout, specification and door layout will be jointly finalized after order issue. Design should be wheel chair operation compatible.
7	Lighting and other fitments	LED Head Lamps and plush interior LED lighting, Camera, with provision of wifi.
8	Air conditioning	Yes
9	Battery Type	Lithium Ion battery (not less than 340 kWhr)
9a	Charger	1 single charger need to be provided.
9b	Charging time	Not more than 120 Mins
10	Range	Minimum 180Km at 80% SoC as per AIS 040
11	Homologation	College application
12	Training for drivers	To be provided by OEM to IITM drivers at free of cost prior to commissioning.
13	Power & Maintenance Infrastructure and related space for vehicles	IITM will provide at free of cost.
14	Specification and Schedule for the readiness	OEM or authorised re-seller of OEM
15	Tool Box, Jack and Spare Tyre. will be provided in the bus at a suitable location	Minimum of 1 no. need to be provided and Spare wheel to be provided at the Service Location.
16	Warranty – E-Bus and charger	1 Year of standard warranty should be Total Guarantee for bumper to bumper.
17	CAMC – Bumper to bumper including battery and charger	9 years after the standard warranty period

18	Fire Detection and Suppression System	Need to cover all possible areas where there are chances of unusual temperature rise, arcing or fire occurs.
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3. In Page No. **Page 12 of 25 at Sl.No.24**, under **Special Terms & Conditions of Annexure A** may be read as:

24. Battery capacity: Minimum 180 km of range to be achieved per charge for a period of 10 years, for AC and Non AC bus. The battery capacity can be selected accordingly to meet this requirement for the given route, schedule and period of operation.
Instead of
24. Battery capacity: 240 kWhr or so for the 4 Non-AC E-buses and about 340 kWhr for the AC bus as battery capacity. Ensure that one time charging will fulfil one day continuous operation in campus during 6am to 10.30PM.

4. Date Corrigendum issued on 02.08.2023 may be read as:

<p>Last Date and Time for submission of Bid: 18.08.2023 @ 02.00 p.m. Date and Time for Tender Opening: 21.08.2023 @ 10.00 a.m.</p> <p>Instead of</p> <p>Last Date and Time for Uploading of Bids: 11.08.2023 @ 02.00 p.m. Date and Time of Tender Opening: 14.08.2023 @ 3.00 p.m.</p>
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All other conditions remain unchanged. Further queries/clarification in this regard WILL NOT BE ENTERTAINED.

Note: Bidder should submit the BoQ based on the tender documents and Corrigendum's issued by IITM.

CLARIFICATIONS

The following queries raised by the bidder's and clarification of the Committee is given below.

Sl.No.	Description	Tender Condition	Queries by the Bidders	Clarified / Recommended by the Committee
1.	Page 14 & 18- Sl.No.18 TECHNICAL SPECIFICATION Fire Detection and Suppression System	Need to cover all possible areas where there are chances of temperature rise, arcing or fire occurs	FDSS will be provided in HV battery area only. FDAS will be provided in LV battery, ECU area Request authority to accept.	TENDER CONDITION PREVAILS
2.	Page 25 ANNEXURE - H DECLARATION BY THE BIDDER	1. That E-buses supplied by our firm has not met with fire especially due to battery in the last 2 years as on the due date of submission of tender.	Request you to kindly delete this clause as such accidents can occur due to many reasons which are beyond the control of Manufacturer.	TENDER CONDITION PREVAILS

Sd/-
Assistant Registrar
Stores & Purchase