

ADDENDUM -2

BEML SRM Tender Ref : 6300039399 dated 22.03.2025
Tendered Item : HVAC SYSTEM & AIRDUCTS
Project : Standard Gauge High Speed Train Project.

A) Tender closing date is extended from 08.04.2025 @ 3PM to 15.04.2025 @ 3PM

B) Addendum-1 to PTS FPIIC/TD/0002 is enclosed

Bidders shall consider the following requirements in addition to the PTS.

- 1) The upper surface of the Saloon HVAC unit should follow the round shape of the roof.
- 2) In order to minimize energy consumption, the control based on CO2 level measurements shall ensure continuous adjustment of the cooling/heating power and the flow of the fresh air. Preferred solution is to compose the HVAC unit with one constant speed compressor and one compressor with variable speed or by-pass valve.
- 3) CO2 level: Max. inside 2000 ppm at 450 ppm Exterior and max. air output at static pressure of 250 Pa shall be considered.
- 4) Mean heat transfer coefficient: hot season 1,50 W/m2K; cold season 1,62 W/m2K.
- 5) Target mass of complete cab unit: 150 kg and Target dimensions of cab unit: Height 750 mm, Depth 650 mm, Width 1350 mm.
- 6) Air extraction (exhaust) module shall be the integral part of the HVAC unit. Supplier is obliged to provide technical support on air extraction as part of pressure protection system.

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1. The upper surface of the Saloon HVAC unit should follow the round shape of the roof.
2. In order to minimize energy consumption, the control based on CO₂ level measurements shall ensure continuous adjustment of the cooling/heating power and the flow of the fresh air. Preferred solution is to compose the HVAC unit with one constant speed compressor and one compressor with variable speed or by-pass valve.
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