

Annexure B

Boundary Conditions/Limitations:

1. Heating & cooling load estimation for passenger electric car will be done using annexure A.
2. The system selection (Component Selections & Integration) will be done by an individual team as per the heating load estimation above in point no. 1.
3. The team is instructed to document all the required steps/calculations in the report.
4. The team will be selecting one or combinations of heating strategies as mentioned below to meet the heating requirement of the vehicle:
 - I. Direct Heating Systems (Ex: High Voltage/Low Voltage Electric Heaters)
 - II. Indirect Heating Systems
 - III. Reversible Vapor Compression Heat Pump Systems
 - IV. Heat Pump & PTC (Positive Temperature Coefficient) Heater
 - V. Heat Pump, PTC & Waster Heat Recovery Systems
 - VI. Liquid Cooled Condenser Heating Systems
 - VII. Thermoelectric Heating
 - VIII. Any Other
5. It is mandatory to adhere to the boundary conditions and any discrepancies/deviations will lead to disqualification of the associated team.
6. The final decision on evaluation & selection of the submitted proposals will be given by the organizing committee.
7. All the references & citations needs to mentioned in the report & the soft copy are supposed to be shared/emailed with the organizing team.
8. The final solution report copy will be shared by an individual team in soft copy format.