



BENGALURU METROPOLITAN TRANSPORT CORPORATION

CENTRAL OFFICES: BANGALORE-27

Mechanical (Production) Dept

Phone: 080-22537519

e-mail: cme@mybmtc.com

No: BMTC/CO/CME/ 1651 /2022-23

Date: 02 .11.2022

Expression of Interest Notification:

Sub: Expression of Interest (EoI) for procurement of 10 Electric AC Double Decker Buses.

Bangalore Metropolitan Transport Corporation is a state-owned urban transport undertaking in Bangalore, playing a pivotal role in providing urban transport. At present Bangalore Metropolitan Transport Corporation is operating 5646 buses from its 46 depots with 03 major bus stations and 10 TTMCs.

BMTC intends to invite Expression of Interest (EoI) from eligible companies / consortium for the supply of 10 Electric AC Double Decker buses of 9.0 to 9.5 mtr length, as a part of the expansion programme for transition to electric mobility from Diesel fuelled buses.

Interested bidders should meet the following criteria and may submit their EoI containing the following information with supporting documents through sealed cover with due acknowledgement:

- i) The company/member of consortium shall be a registered company under the Companies Act.
- ii) The company/member of consortium should have experience of manufacturing and supplying at least 100 battery operated electric buses of different variants duly compliant to the Statutory requirements as stipulated in MV Act/Rules including Automotive Homologation.
- iii) Minimum Annual Turnover of Rs 40 Cr of the bidder in any three years of the last 5 financial years.
- iv) The company/member of consortium should have obtained necessary certification for homologation of at least one Electric-Bus variants of 9m or above (designed, engineered, manufactured/ integrated by prospective collaborator) from the approving authority (ies) such as Automotive Research Association of India (ARAI) or International Centre for Automotive Technology (ICAT) or approving authority (ies) in country where buses have been supplied and are in operation. (Certificates to be enclosed).

- v) The bidder should provide the following details:
- a) Space required for installation of charging infrastructure
 - b) Type and capacity of charging infrastructure
 - c) Type of battery to be adopted and its life
 - d) Battery Range
 - e) Power consumption required for charging of buses for operating minimum 200 Kms per day in single charge at 80% SoC
 - f) Battery Guarantee/Warranty conditions
 - g) Battery charging time for operating 200 kms
 - h) Number of chargers required for 10 Electric AC Double Decker buses.
- vi) The supply of the Electric AC Double Decker buses must be carried out as per the delivery schedules indicated by BMTC.
- vii) The bidder has to provide all technical assistance in maintenance and operation of these buses during its lifetime.
- viii) The necessary training to crew and maintenance staff of BMTC has to be imparted for effective operation of the electric buses.
- ix) A warranty of 3 years is to be provided for bus and a warranty of 5 years for battery, traction motor and electrical drive line.
- x) Annual Maintenance Contract of 7 years is mandatory and can be extended based on requirement. The company should have managed AMC for electric buses (any variant) with minimum fleet size of 100 buses in any one location or 50 buses at 2 locations for at least 2 years in preceding 3 years.
- xi) The detailed specification with regards to the Electric AC Double Decker buses should be indicated in the EoI.
- xii) The company should also indicate the tentative end rate of these Electric AC Double Decker buses both in terms of INR/USD.
- xiii) The company should be prepared to transfer the technology with respect to operation and maintenance of battery, charging infrastructure requirement and assist BMTC in effective maintenance of the Electric buses.
- xiv) The Company should be able to provide all the necessary information on the time-to-time adoption of technology up-gradation to BMTC.
- xv) The company/lead consortium member should have experience of setting up and maintaining charging infrastructure for 50 charging stations each with minimum 50 KVA capacity and having annual turnover of Rs.20 Cr from such operation and supply for the preceding 3 years for EV charging stations.
- xvi) BMTC will formulate the technical specification and other conditions for procurement of Electric buses as per its requirement at the time of preparation of the Request for Proposal (RFP) for floating a global tender after meeting all the necessary statutory requirements.

The eligible firms will be shortlisted based on the above criteria. The EoI Proposal is to be submitted within 17th November 2022 at the following address.

Postal Address: Chief Mechanical Engineer,
BMTc, Central Offices, Bangalore-27
Phone No: 080-22537519,
Email address: cme@mybmtc.com
Website: www.mybmtc.com

Further, the firms will be called upon for demonstration on the following parameters of electric bus operation.

- 1) Product specifications
- 2) Battery type/performance/specifications
- 3) Battery cycles guaranteed

No. of cycles	No. of years	Range on full recharge

- 4) Average pay load (carrying weight) on full recharge for that range
- 5) Warranty + AMC (Period in years)
- 6) Technology transfer and hand holding
- 7) Type of charging infrastructure
- 8) Previous experience Supply/operation
- 9) Expectations from BMTc

The prospective bidders/companies may prepare 30 mins Power Point Presentation (PPT) on the above aspects and other relevant information they deem fit to present before the committee constituted for this purpose. The date of such presentation will be informed separately. Selection for presentation for EoI process shall in no way be construed as qualification for future bids to be floated by BMTc for procurement and maintenance of EV buses.

The BMTc reserves the right to reject any or all EOIs without giving any reasons whatsoever.

-sd/-

Chief Mechanical Engineer