



BENGALURUMETROPOLITAN TRANSPORT CORPORATION

CENTRAL OFFICES: BANGALORE-27

Mechanical (Production) Dept

Phone: 080-22537519

e-mail: cme@mybmtc.com

No: BMTC/CO/CME/ 1652 /2022-23

Date: 02 .11.2022

Expression of Interest Notification:

Sub: Expression of Interest (EoI) for supply, operation and maintenance of 100 Mini Non-AC Electric Buses on GCC model for 8+2 years

Bangalore Metropolitan Transport Corporation is state owned urban transport undertaking providing urban transport in and around Bangalore city. At present Bangalore Metropolitan Transport Corporation is operating 5491 buses from its 46 depots with 03 major bus stations and 10 TTMCs and is the biggest urban transportation undertaking in the country.

BMTC intends to invite Expression of Interest (EoI) from reputed /eligible companies / consortium for the supply, operation and maintenance of 100 mini non-AC electric buses of 6-7mtr length within 5 months from the date of LoI.

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 should be registered with the concerned authority of the respective country.
- ii) Minimum Annual Turnover of Rs.40 Cr in the preceding three years from manufacturing of EV buses.
- iii) The company/member of consortium shall be an OEM with an experience of having manufactured, maintained, and operated 100 electric buses of any variant for preceding 01 year.
- iv) The company/member of consortium should have obtained necessary certification for homologation of at least one Electric-Bus variants of 6m 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('s)in country where buses have been supplied and are in operation.(Certificates to be enclosed).

- v) The company/lead consortium member should have managed AMC contract for electric buses with minimum fleet size of 30 buses in any one location or 15 buses at 2 locations for at least 01 year.
- vi) 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 150 Kms per day on single battery charging at 80% SOC
 - f) Battery Guarantee/Warranty conditions
 - g) Battery charging time for operating 100 Kms at 80% SOC
 - h) Number of chargers required for 100 non-AC Electric minibuses.
- vii) The supply and start of operations of the 100 non-AC Electric minibuses must be carried out as per the delivery schedules indicated by BMTC.
- viii) The bidder has to take care of maintenance and operation of these buses during the contract period.
- ix) The necessary training to crew and maintenance staff of BMTC has to be imparted for effective operation of the electric buses.
- x) The detailed specification with regards to the non-AC Electric minibuses should be indicated in the EoI.
- xi) The company should also indicate the tentative end rate of these non-AC Electric minibuses both in terms of INR.
- xii) The company should be prepared to transfer the technology with respect to operation and maintenance of battery, charging infrastructure requirement and effectively maintain the Electric minibuses.
- xiii) The Company should be able to provide all the necessary information on the time-to-time adoption of technology up-gradation to BMTC.
- xiv) The company/lead consortium member should have experience of setting up and maintaining charging infrastructure for 20 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.

xv) BMTC will formulate the technical specification and other conditions for procurement, operation, and maintenance of the non-AC Electric minibuses 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 by 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) Bus 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 to be provided/managed
- 8) Previous experience in supply/operation/AMC/charging infrastructure
- 9) Expectations from BMTC

The prospective companies / consortium 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.

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Chief Mechanical Engineer