

Tumakuru Smart City Limited

S.S.Puram, Tumakuru, Karnataka

Invitation for Expression of Interest (EOI) for Public Bicycle Sharing System in Tumakuru City on Public Private Partnership (PPP) mode

No: TSCL/ADMN/PROJECTS/CR/16 /2017-18

About Tumakuru Smart City Ltd (TSCL)

Ministry of Urban Development (MoUD), Government of India (GoI) has initiated the Smart Cities Mission for development and augmentation of the core infrastructure in Indian Cities to improve the amenities and provide better facilities to its citizens. Cities selected under this Mission will be provided a funding of INR 1000 Crores, consisting equal contributions from the Central & State Governments, in order to implement their Smart City Proposals.

Tumakuru Smart City Limited (TSCL) has been incorporated as a Special Purpose Vehicle (SPV) under the Companies Act, 2013 to implement the Smart City Plan of Tumakuru. As part of its plan, TSCL intends to develop a **Public Bicycle Sharing (PBS) System in Tumakuru City on Public Private Partnership (PPP) mode** and towards this end, invites the proposals from the Private sector applicants to establish the same.

About Tumakuru:

Tumakuru City, the district headquarters of Tumakuru district in South East Karnataka, is an educational city spread over about 48 Square Kilometres. Tumakuru is in close proximity to the Karnataka State Capital, Bengaluru which is located just 70 km South West of Tumakuru. Tumakuru city has population of 3.02 Lakhs (as per census 2011). It has a pleasant climate due to its elevation of 822m above mean sea level.

About Project

Tumakuru Smart City Proposal (SCP) proposes a feeder system that would provide last mile connectivity to the residents of Tumakuru. The PBS system has been selected as one of the main components of the feeder system. The PBS system with its multiple benefits, like low cost, quick implementation, environment friendly, last mile connectivity, etc. has a great potential in Tumakuru. The city has 5 degree colleges, 15 ITI Colleges, 6 Polytechnic colleges, 6 engineering colleges and 2 medical colleges. The city is also known for its primary and higher educational institutions, run by government as well as various educational trusts. Besides this, there are 36 government schools, 105 unaided private schools, 20 aided schools in the town. Average literacy rate in Tumakuru is 88.91%. TSCL envisages that timely intervention of a good Public Transport system supported by a good feeder system would encourage the young school and college going population to opt for these sustainable modes of transport, which in turn shall improve the liveability in the city in the long run.

As per Comprehensive Mobility Plan (CMP) for Tumakuru prepared by Urban Development Department, Directorate of Urban Land Transport (DULT), Government of Karnataka in 2014, Motorised 2-wheelers (60%) and Auto Rickshaw (4%) together comprise around 64% of the total modal share, which can be shifted to PBS and around 44% of total trips have trip length lesser than 2km which is a huge advantage to the system. For reference CMP is uploaded on TSCL website www.smartcitytumakuru.in under 'Projects' section. Moreover dedicated cycle tracks (total 2.67 km) along many stretches like Sri Shivakumar swamiji circle to DC office along Bangalore – Honnavar road via Amanikere Lake, Caltex circle to Maralur lake circle via Siddartha Institute along Tumakuru-Kunigal Road, SSIT in Kunigal road to ring road and KEB office to DC office via Amanikere are proposed under Amrut. Also dedicated cycle tracks of approx. 10km and Non-Motorised

Transport (NMT) friendly junctions will be provided under the Smart Road development project by TSCL. Hence creating an enabling environment for the bicycle sharing system.

In this context, TSCL intends to introduce a well-planned and high quality PBS system for the city. The land for docking stations will be provided by the government while the operator may be offered several incentives such as space for commercial activity at certain docking stations. As well as dedicated space may be provided on the docking stations and the bicycles for commercial advertisements and the operator may keep the revenue generated.

TSCL intends to carry out the project in two phases. Phase I for Area Based Development (ABD) 3.5 square kilometres area and phase II for the non ABD area of the city.

In this Regard, TSCL currently decides to carry out phase I i.e., ABD area and as per Institute for Transport and Development Policy (ITDP) guidelines approx. 450 bicycles and 34 docking stations are envisaged, within the ABD area.

Some of the envisaged components of PBS system are;

1. Docking stations with pleasant design having docking spaces as per standards.
2. Bicycles having basic specifications like unisex design, durable, lightweight, theft proof, heavy-duty rims, puncture resistant tires, light reflect or sand LED lights to make the bicycles more visible to vehicles during night
3. A control centre to monitor docking stations remotely
4. Redistribution vehicles
5. Anti-theft and anti-vandalism measures
6. The PBS System could also be a hybrid system (docking-dock less system)

Brief Scope of Work:

- (a) Designing the facility based on the mandatory development as provided in the RFP.
- (b) Raising the finances including Debt, Equity and any other instruments to construct the Project.
- (c) Operation and Maintenance (O&M) of the phase I of the project during the period of Concession period.
- (d) Transfer the Asset/facility to the TSCL after the completion of the Concession period.

TSCL invites Expressions of Interest from eligible applicants on Public Private Partnership (PPP) mode for the setting-up and O&M of the PBS System in Tumakuru. Applicants having similar experience anywhere in the world, are requested to participate in the EOI process.

Expression of Interest Format:

Interested applicants are invited to submit their Expression of Interest in the format given below along with documentary proof quoting the reference number- No: TSCL/ADMN/PROJECTS/CR/16 /2017-18

- Organizational Details
 - Organization profile including registration details, number and location of offices and number of staff.
 - Contact details including email and phone number of authorized representative.
 - Annual turnover for the last three financial years.
 - Undertaking regarding “The applicant shall not be barred by the Central government/ State government, or any entity controlled by it, from participating in any government project”.

- Work Experience
 - Experience in design and O &M of PBS system anywhere in the world (copy of the work order to be enclosed).
 - All Products and service offerings related to bicycles and PBS.
 - All variations of docking spaces in terms of capacity and technology that can be offered.
 - Details regarding following parameters for the implemented PBS systems:
 - 1) *Year of Implementation;*
 - 2) *Time taken to implement/ build the infrastructure;*
 - 3) *No. of years in Operation;*
 - 4) *Coverage area: Location name with area in sq.km;*
 - 5) *Population covered: No. of persons;*
 - 6) *System size: No. of bicycles, No. of docking stations;*
 - 7) *Station Density: No. of stations per sq.km;*
 - 8) *Bicycle per resident: No. of bicycles per 1000 residents;*
 - 9) *Docks per bicycle;*
 - 10) *System efficiency achieved: No. of trips/ uses per bicycle per day;*
 - 11) *Market Penetration: No. of trips per 100 residents.*
 - 12) *Brief description of the implementation model adopted. This would include the administrative and financial roles and responsibilities of the project owner and the project operator*

- The EOI should inter alia include their vision for the project, business plan including staff (human resources) deployment etc.

Note: This Expression of Interest (EOI) shall not be restrictive in nature

Date & Place of Submission:

Completed EOI documents shall be submitted through the e-Procurement portal of Karnataka at www.eproc.karnataka.gov.in on or before **09/10/2017 IST 16.00** hrs. Manual EOI documents shall not be accepted.

The Managing Director and Chief Executive Officer
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For any clarifications, applicants may seek information through mail smartcitytumakuru@gmail.com