Joint Venture of Govt. of NCT of Delhi and IDFC Foundation

An ISO 9001, 14001, OHSAS 18001,ISO 27001 & CMMI L3 Certified Company

NAGAR NIGAM KOTA

In association with

KOTA SMART CITY LIMITED &

KOTA BUS SERVICES LIMITED

PROPOSAL FOR

AVAILING INCENTIVES UNDER

FAME INDIA SCHEME OF GOVERNMENT OF INDIA

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FAME INDIA SCHEME

- GoI approved the National Mission on Electric Mobility in 2011 and subsequently National Mission on Electric Mobility Plan 2020 (NEMMP 2020) in 2013.

- Faster Adoption and Manufacturing of (Hybrid &) Electric Vehicles in India (FAME) Scheme was launched on 1 April 2015.

- Government aims to provide fiscal and monetary incentives through this scheme to kick start this nascent technology. Strong Hybrid, Plug-in Hybrid and Pure Electric technologies (collectively termed as xEV) are covered under this FAME India Scheme.

- Under the scheme, market creation through demand incentives is aimed at incentivizing all vehicle segments i.e. 2-Wheeers, 3-Wheelers Auto, Passenger 4-Wheeler vehicles, Light Commercial vehicles and Buses.

- Now, GOI would like to lay greater emphasis on providing affordable and environmentally friendly public and private transportation / vehicular mobility for the masses. To this end, electric buses and three wheelers, including for last mile connectivity, have been added to the scope of the scheme through recent amendments. The demand incentive is available to buyers (end users / consumers) in the form of an upfront reduced price to enable wider adoption.

OBJECTIVE

- To encourage comprehensive air quality solution of cities
- To promote multi-modal public transportation system through shared electric mobility in the cities

The present EoI is a Pilot Project under FAME India Scheme specifically designed to give a push to multi-modal public transport. Therefore, ***it offers enhanced incentives i.e. above the demand incentives notified under the FAME Scheme in respect of electric buses***

APPLICABILITY/ ELIGIBILITY

- Cities with 1 Million+ population (as per 2011 census)
- State Government Departments / Undertakings, Municipal Corporations, Public authorities etc of million plus cities will coordinate with respective STUs / transport authorities and 4W/3W aggregators and will submit the consolidated proposal to Department of Heavy Industry.
- Special Category States may also be considered for grant under this EoI through a separate window.

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SELECTION PARAMETERS

- Population of City (Million Plus as per 2011 Census)
- Average PM 2.5 of the city as per 2016 data
- No. of vehicles registered in the city (for million plus cities)
- Ranking in Swachhata Abhiyan
- Smart Cities

[Note: Selection Committee shall decide the criteria for selection of the proposals using above said selection parameters.]

GoI FUNDING

A) ELECTRIC BUSES	
Level 1 (Minimum 15% localisation is achieved)	**Level 2 (Minimum 35% localisation is achieved)**
60% of purchase cost or Rs. 1 Crore (whichever is lower)	60% of purchase cost or Rs. 1.5 Crore (whichever is lower)

(B) ELECTRIC 4-WHEELER PASSENGER CAR		
Segment	**Level 1 (Range 70 km)**	**Level 2 (Range 105 km)**
Length not exceeding 4 Meters BEV (Advance Battery)	Rs 76000	Rs 124000
Length exceeding 4 Meters BEV (Advance Battery)	Rs 60000	Rs 138000

(C) ELECTRIC 3-WHEELER (L5 Category)		
Segment	**Level 1 (Range 50 km)**	**Level 2 (Range 80 km)**
BEV (Advance Battery)	Rs 51000	Rs 61000

(D) ELECTRIC 3-WHEELER (Having max. speed less than 25 Km/Hrs)		
Segment	**Level 1 (Range 50 km)**	**Level 2 (Range 80 km)**
BEV (Advance Battery)	Rs 37500	Rs 45000

**The total fund not more than Rs. 105 crore will be provided to each selected city in the current FY 2017-18 for a composite basket of electric buses (max. 100 per city), electric 4-wheeler passenger cars & electric 3-wheeler.*

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GoI FUNDING

Charging Infrastructure

Funding will also be provided for setting up of the charging infrastructure in the selected cities with a ceiling of Rs. 15 crore per city, as per details below:-

A) ELECTRIC BUSES	
10% of total eligible demand incentive for purchase of fleet of EV buses as per contract agreement between purchaser and OEM / Manufacturer / Supplier to State Transport Undertakings / Municipal Corporations.	
(B) Electric 4-Wheelers/Electric 3-Wheelers	
Type of Charger	**Demand Incentive**
AC Smart Charger with two-way communication for low Voltage Vehicles	75% of cost or Rs. 1.2 lakh per charger, whichever is lower
DC Fast Charger (less than 100 Volt) with standard specification	75% of cost or Rs. 7 lakh, whichever is lower, per charger (Cost of charger includes all cost including installation cost)

- The remaining cost for setting up of charging station including its location and operation cost shall be borne by the concerned authority in consultation with Power Discoms in conformity with Acts and Regulations in this regard. These charging stations shall not be limited to the vehicles sanctioned under the project but shall also be open to public at large.

- The funding is available to only those Electric buses / Electric 4-Wheelers passenger cars / Electric 3-Wheeler, which run on advance battery.

[NOTE: "Advance Battery" represents the new generation batteries without lead such as Lithium Polymer, Lithium Iron phosphate, Nickel Metal Hydride, Zinc Air, Sodium Air, Nickel Zinc, Lithium Air etc.]

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RESPONSE DOCUMENT

- Covering letter
- General details about the City
- Detailed Project Report
- Funding Pattern
- Documents related to tie-up with STUs for buses
- Documents related to tie-up with 3W/4W aggregators
- Other papers / documents related to the Project (if any)

BID SCHEDULE

Activity	Details
Last date for receipt of proposals	30th November 2017
Completion of Evaluation of proposals	15th December 2017
Conveying the decision of Approving Authority for the Commencement of Project / Proposal by the Proposer	31st December 2017
Receipt of supply/purchase orders on firms from the Proposer, following due tendering process	15th February 2018

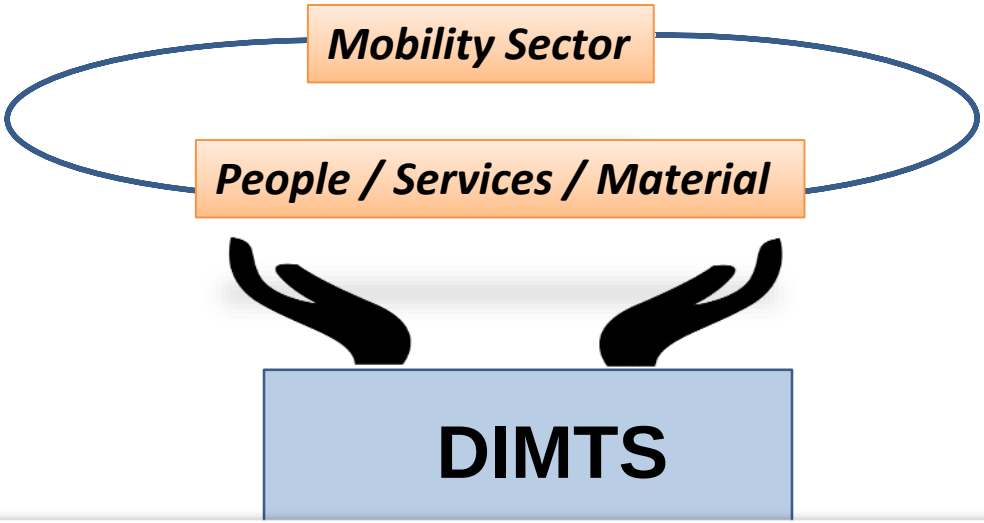
DIMTS VALUE PROPOSITION

Complete solution

Advisory
Policy
Solution structuring
Project creation
Transaction
Knowledge creation services

Asset Creation	Asset life-cycle engagement
Delivery structuring	Ops & Maintenance
Bench marking	Ops S&OP & benchmarking
Bid Process Management – Vendor Evaluation Report	In & post warranty support
PMU.. On-boarding	Asset upgrades & refreshments
Apps & products	Skills development & certification

DIMTS Key Values



✓A ***Joint Venture company set up by the Government of National Capital Territory of Delhi and IDFC Foundation***. ***Strong Public ethos & Public Sector engagement.***

✓***Strong domestic & international Credentials*** & accolades for ***sustainable innovations in urban transportation sector*** through design & technology based interventions… Contractual, ICT, ITS..

✓***Multi-disciplinary, multi-functional urban and transport planning and developmental solutions and services firm*** covering all modes of transit across 23 States / Central Ministries & Countries overseas.

DIMTS Solutions Portfolio

Planning

- Service Planning
- Route Planning
- Route Rationalization
- Policy Advisory
- Transaction Advisory

Transport Technology

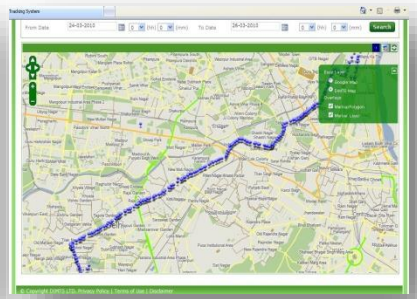
- AVL
- ETM/Ticketing
- ERP
- Surveillance
- PIS
- Control Room

Engineering

- ISBTs
- Terminals
- Depots
- BRT
- BQS

Operation

- Corridor Operation
- Integrated Mechanism
- Terminal Facility Management
- Fleet Management



DIMTS – ELECTRIC BUSES SOLUTION

DIMTS has created an initiative for Concept to Commissioning of Electric vehicles, which will broadly cover the study of Electric vehicles, Fesibility study, Charging Infrastructure creation, On boarding of Rolling Stock and Operations monitoring

DPR- Feasibility Study

DIMTS has initiated a detailed study of Electric vehicles on road feasibility. We have evaluated the project potential for Electric mobility.

-Technical Feasibility
-Financial Feasibility
-Legal Feasibility
-Operational Feasibility

Charging infrastructure

- Identification of Land for new facilities for on-route charging
- Facilities for Battery Storage/Swapping
- Identification of Power Supply
- Additional Infrastructure creation for substation grid for charging facility at Depots.
- Identification of Space in depots
- Battery charging Architecture design
- Parking Space design

DIMTS – ELECTRIC BUSES SOLUTION

Boarding of Rolling Stocks

- Contract Structuring
- Selection of Electric buses as per availability, specifications, Battery Sizing and charging infrastructure
- Provision of Depot and maintenance facility
- Bid process management of Electric buses as per availability and required specifications and its types
- Route Selection, Planning and Rationalization
- Demand Assessment

Operation Management

- Bid Process Management for the selection of Operator
- Operation Readiness Assessment
- Preparation of Operational Plan and Strategies
- Alternate source of operation in case of temporary failure /breakdown
- Routing Strategy
- Frequency of Services considering the swapping/charging time requirement
- Charging Payment Options
- Terminal Infrastructure for swapping/ charging and ITS Applications
  - Real Time Information and way findings
  - Terminals – green buildings
  - Passenger facilities

- ❖ Investment for the permanent equipment (EVSE), charging infrastructure and batteries can be made either by the city or state Govt. Few State owned agencies are also willing to invest for the purpose (per Km/Unit payment basis).
- ❖ Similar business model for rolling stock can also be worked out.
- ❖ Cities/ STUs to provide space for depot and charging station

DIMTS – SUPPORT TO THE KOTA CITY

S.No.	Document	Support
1	Covering Letter	Client / DIMTS
2	General details about the City	Data to be provided by Client / DIMTS
3	Detailed Project Report	1) Extensive interaction with the City Administration and all stakeholders 2) In detail analysis and study of existing Infrastructure reports like CMP, SCP, etc.
4	Funding Pattern	1) All funding patterns to be explored including convergence 2) Exploration of Concessionaire formation
5	Documents related to tie-up with STUs for buses	Facilitate City Administration for tie-up with STU and SPV
6	Documents related to tie-up with 3W/4W aggregators	Identification of best available 3W/4W aggregators for the city and subsequently facilitate tie-up
7	Other papers / documents related to the Project (if any)	DIMTS is in regular interaction with the Power/ Renewable Energy Ministries, State Owned Agencies, Vehicle Manufacturers and other decision makers for smooth realization of City's Electric Mobility proposal

Thank You