Urban Mobility India Conference and Exhibition 2021
Submission of entry formats for Awards of Excellence in Urban Transport

Part I: General Information

Awards Category under which proposed:
Name of the Project :
Person to be contacted with contact details i. Name: ii. Designation: iii. Department: iv. Organization: v. Phone: vi. Email: vii. Alternative contact person (Name & Mobile No.):

Part II: City related data / information (Compulsory data for all project categories)
(Sources to be mentioned for all data)

II. A. General City Information

i. Population with year:
ii. Area (sq km):
iii. Density (person per sq km):
iv. Road length (km) with year
   a. Total Road length:
   b. Primary road network length (Master Plan roads):
v. Registered vehicles (by vehicle type):
vi. Average monthly household income (in Rs)
vii. Average Monthly household Transport Expenditure(in Rs)

II. B. City Transport Information along with year and source

i. Mass transport system:

Mode	Network length (km)	Fleet Size	Ridership (with year)
a) Road Based Mass Transit			
– City Buses			
– BRT			
– Others (specify)			
b) Rail Based Mass Transit			
– Metro Rail			
– Mono Rail			
– Suburban / Commuter Rail			
c) Name of public transport agency operating Bus / Metro / Rail systems			

ii. Para Transit / NMT (Estimated Daily Ridership with year)
   a. Auto Rickshaw:
   b. Taxi:
   c. App based cab:
   d. E-Rickshaw:
   e. Cycle Rickshaw:
   f. Others (specify)

II. C. Mobility levels (for city) with year and source

i. Daily number of trips - All trips
ii. mode wise trips
iii. Modal split (% share by mode of travel)
iv. Trip purpose (% share by purposes)
v. Average trip length (Km)
   - All trips
   - Motorised trips only

II. D. Traffic accidents (in Number and mention year)

i. Total:
ii. Fatal:
iii. Injurious:

CATEGORY 1: CITY WITH THE MOST SUSTAINABLE TRANSPORT SYSTEM

1. Brief description of project

i. Need / context / problem statement:
ii. Objectives / Aim:
iii. Scope / coverage:
iv. Project brief (250 words max):
v. Key infrastructure requirements (Brief description of the infrastructure built up for this project):

2. Project outline with key financial features

i. Project execution details
   a. Start date:
   b. Contractual completion date:
   c. Actual completion date :
   d. Commencement Date of Operations:
ii. Cost details
   a. Estimated cost:
   b. Actual cost on completion:
iii. Contribution in cost by different agencies (mention name of scheme also)
   a. Centre:
   b. State:
   c. ULB Govt.:
   d. Other sources (Private Funding, Viability Gap Funding, Multilateral Funding, etc):
iv. Financial details
   a. PPP model (Yes / No). If Yes brief details:
   b. Economic benefits (EIRR):
   c. Financial status (FIRR):
   d. Revenue as % to operation cost:

If delayed, identify main reasons for delay in execution of project:

3. Key Performance indicators

i. Share of trips by sustainable modes (%):
   - Public transport share (%)
   - Shared modes (Ola/Uber etc)
   - Cycling share (%)
   - Walk share (%)

ii. Sustainable transport infrastructure supply (nos.)
   - Cycling network (Km)
   - Footpath on both sides of roads (Km)
   - Bus fleet
   - Metro fleet
   - Shared modes fleet (Ola/Uber/autos)
   - E rickshaw
   - Public bike sharing (PBS)
   - Electric vehicle fleet
     Cars
     Two wheelers

Auto rickshaw

iii. Safety aspects
   a. Use of reflective devices, especially for cyclists (%)
   b. Traffic accidents (number)
   c. People killed or seriously injured in road traffic accidents (number)
   d. Use of pedestrian crossing facilities (%)
   e. Fatality rate per lakh population
   f. Fatality rate for pedestrian and NMT (%)
   g. Old vehicles still in use (%)
   h. Effective Police patrol teams (number)

iv. Provision of exclusive pedestrian areas/zone (Car free/vehicle free)
   a. % City covered

v. Segregated NMT (Walking /cycling) network length available in km

vi. Demand Management measures adopted (Brief description of each)
   - Congestion pricing
   - Flexi works schedule
   - Car pool/ Van pool

vii. Transport Governance status (Brief description)
   - Unified transport Authority/Body for decision making
   - Transport cell with transport planners/ town planners for implementation
   - Role of ULB

viii. Urban Transport Financing Mechanism in practice (brief description)
   - Budgetary support
   - Private sector participation
   - Innovative sources of funding

ix. Integrated Land use Transport Planning Approach adopted (brief description)
   - Compact development
   - Transit Oriented Development around stations
   - Transport Guided corridor development
   - Transport Accessibility and Connectivity
      - Population Density (Gross persons /Developed area in hectare)
      - Mixed land use on major transit corridors /Network (% area under non-residential use)
      - Intensity of development -Citywide (FSI)
      - Intensity of Development along Transit Corridors
      - (FSI transit corridor / FSI)
      - Clear pattern and completeness of networks

x. Status on Stakeholder participation/public participation in transport project identification and implementation (brief description)

xi. Availability of Mobility Plan/Comprehensive Traffic and Transport Plan for the city
   - Status (Yes/No) (if yes, then mention year)
   - Updated Plan (Yes/No) (if yes, then mention year)

xii. Urban Transport Information system availability (Brief description)
   - Data Bank/Repository
   - Dashboard

xiii. Status on ULB interaction with Academia/Industry
   - MoU if any
   - Advisory Committees/Expert Committees

4. **Impacts (brief description)**

i. Mobility
   - Before and after policy implementation change in modal share (%)
   - Before and after policy implementation change in share of walk and cycling (%)

ii. Carbon Emissions (GHG)
   - Existing Emission intensity
   - Before and after change (%)

iii. Transport Energy consumption - existing and growth trends for last five years
   - Petrol
   - Diesel
   - CNG

iv. Air Quality
   - Existing average AQI
   - Before and after change (%)

v. Safety
   a. Traffic accidents (number) before and after

vi. Environmental Pollution
   - Levels of Air pollutants from Urban transport such as:
      i. Carbon dioxide (CO2)
      ii. Sulphur dioxide (SO2)
      iii. Carbon monoxide (CO)
      iv. Particulates (PM10)

5. **Key Project Stages (Brief description of each aspect in about 100-150 words maximum)**

i. Conceptualisation and Planning
ii. Project Formulation and Management
iii. Project Financing Approach
iv. Project Monitoring and Evaluation mechanism

6. **Innovation and Achievements/ Impacts (Brief description wherever applicable)**

i. Innovation/Technology Adaptation
ii. Community Participation/Stakeholder involvement
iii. Contribution to City liveability, quality of life and societal impact
   a. aesthetics
   b. safety
   c. environmental quality
   d. efficiency
   e. equity
   f. any other benefits / achievements
iv. what is the involvement of the ULB in the project
v. Potential of scalability (in case of projects which are not yet city wide)
vi. Project Sustainability approach for future

CATEGORY 2: CITY WITH THE BEST PUBLIC TRANSPORT SYSTEM

1. **Brief description of project**
   i. Need / context / problem statement:
   ii. Aim/ Objectives
   iii. Scope / coverage:
   iv. Project brief (250 words max):
   v. Key infrastructure details (Brief description of the infrastructure built up for this project):

2. **Project outline with key financial features**
   i. Project execution details
      a. Start date:
      b. Contractual completion date:
      c. Actual completion date:
      d. Commencement Date of Operations:
   ii. Cost details
      a. Estimated cost (unit Rs):
      b. Actual cost on completion (Unit Rs)
   iii. Contribution in cost by different agencies (mention name of scheme also)
      a. Centre:
      b. State:
      c. ULB Govt.:
      d. Other sources (Private Funding, Viability Gap Funding, Multilateral Funding, etc):
   iv. Financial details
      a. PPP model (Yes / No). If Yes brief details:
      b. Economic benefits (EIRR):
      c. Financial status (FIRR):

If delayed, identify main reasons for delay in execution of project:

3. **Key Physical Performance indicators of the project**
   i. Coverage (km):
   ii. Network density (km/sq km area) :
   iii. Fleet Size
   iv. Vehicle Utilization (Km) :
   v. Fleet Utilisation (%):
   vi. Average Load factor
   vii. Passengers carried /day :
   viii. Passengers carried/bus/day:
   ix. Average Passenger km/day
   x. Utilisation of carrying capacity (passenger km to seat km)
   xi. Staff per Bus Ratio:
   xii. Breakdowns (% of bus in operation)
   xiii. Accidents/1,00,000 bus km
   xiv. Dead mileage (% of total mileage)
   xv. Presence of Organized Public Transport System in Urban Area (%)
   xvi. Extent of Supply - Availability of Public Transport
   xvii. Service Coverage of Public Transport in the city
   xviii. Average waiting time for Public Transport users (min)

xix. Level of Comfort in Public Transport (Crowding)
xx. % fleet size as per urban bus specification
xxi. Any Other:

4. Key Financial Performance Indicators of the project (in Rs)

i. % Operating ratio (operating cost /operating revenue)
ii. Earning per km
iii. Earning per seat km
iv. Earning per bus
v. Earning per passenger km
vi. Cost per passenger km
vii. Cost per km
viii. EPK/CPK ratio
ix. Share of Fare box Revenue of total revenue (%):
x. % return on capital invested
xi. Extent of Non-fare revenue (%)
xii. Staff/bus ratio
xiii. Operating Ratio
xiv. Any other :

5. Key Project Stages (Brief description of each aspect in about 100-150 words maximum)

i. Conceptualisation and Planning
ii. Project Formulation and Management
iii. Project Financing Approach
iv. Project Monitoring and Evaluation mechanism

6. Innovation and Achievements/ Impacts (Brief description wherever applicable)

i. Innovation/Technology Adaptation
ii. Community Participation/Stakeholder involvement
iii. Contribution to City liveability, quality of life and societal impact
    a. safety
    b. environmental quality
    c. efficiency
    d. any other
iv. involvement of the ULB in the project
v. Potential of scalability (in case of projects which are not yet city wide)
vi. Project Sustainability approach for future

CATEGORY 3: CITY WITH THE BEST NON-MOTORISED TRANSPORT SYSTEM

1. **Brief description of project**
   i. Need / context / problem statement:
   ii. Aim/ Objectives :
   iii. Scope / coverage:
   iv. Project brief (250 words max):
   v. Key infrastructure details (Brief description of the infrastructure built up for this project)

2. **Project outline with key financial features**
   i. Project execution details
      a. Start date:
      b. Contractual completion date:
      c. Actual completion date:
      d. Commencement Date of Operations:
   ii. Cost details
      a. Estimated cost (unit Rs):
      b. Actual cost on completion (unit Rs):
   iii. Contribution in cost by different agencies (mention name of scheme also)
      a. Centre:
      b. State:
      c. ULB Govt.:
      d. Other sources (Private Funding, Viability Gap Funding, Multilateral Funding, etc):
   iv. Financial details
      a. PPP model (Yes / No). If Yes provide brief details:
      b. Economic benefits (EIRR):
      c. Financial status (FIRR):
   v. If the project got delayed, identify main reasons for delay in execution of project:
   vi. % of NMT network covered
   vii. Encroachment on Cycle roads by vehicles parking (%)
   viii. NMT Parking facilities at Interchanges (%)

3. **Key Physical Performance indicators of the project**
   i. NMT Network Coverage (km):
   ii. Operational NMT route Network density (km/sq km area) :
   iii. % of population covered under NMT network:
   iv. Estimated Fleet Size :
   v. Estimated passengers carried by NMT modes
   vi. Average Trip Length of NMT user (Km):
   vii. Modal share of NMT modes (%)
   viii. Share of NMT in daily pass km travelled in city
   ix. Trip purpose share by NMT mode
   x. Average trip cost by NMT modes /km and per passkm

4 **Impacts**
   i. Share of NMT trips before & after (%)
   Ii .Share of Walk trips before & after(%)
   Iii .Levels of reduction in Air pollutants:

- Carbon dioxide (CO2)
- Sulphur dioxide (SO2)
- Carbon monoxide (CO)
  Particulates (PM10

5.Key Project Stages (Brief description of each aspect in about 100-150 words maximum)

i. Conceptualisation and Planning
ii. Project Formulation and Management
iii. Project Financing Approach
iv. Project Monitoring and Evaluation mechanism

6.Innovation and Achievements/ Impacts (Brief description wherever applicable)

i. Innovation/Technology Adaptation
ii. Community Participation/Stakeholder involvement
iii. Contribution to City liveability, quality of life and societal impact
   a. safety
   b. environmental quality
   c. efficiency
   d. any other benefits / achievements
iv. what is the involvement of the ULB in the project
v. Potential of scalability (in case of projects which are not yet city wide)
vi. Project Sustainability approach for future

CATEGORY 4: CITY WITH THE BEST SAFETY AND SECURITY SYSTEM & RECORD

1. **Brief description of project**
   i. Need / context / problem statement:
   ii. Objectives / Aim:
   iii. Scope / coverage:
   iv. Project brief (250 words max):
   v. Key infrastructure requirements (Brief description of the infrastructure built up for this project):

2. **Project outline with key financial features**
   i. Project execution details
      a. Start date:
      b. Contractual completion date:
      c. Actual completion date :
      d. Commencement Date of Operations:
   ii. Cost details
      a. Estimated cost:
      b. Actual cost on completion:
   iii. Contribution in cost by different agencies (mention name of scheme also)
      a. Centre:
      b. State:
      c. ULB Govt.:
      d. Other sources (Private Funding, Viability Gap Funding, Multilateral Funding, etc):

3. **Key performance indicators of project**
   a) Presence of monitoring system and its coverage in the city
   b) % of network with street design guidelines (as per IUT)
   c) Police station density (police station per 10000 population)
   d) Number of CCTV cameras before and after project implementation
   e) Number of fatal accidents before and after project implementation
   f) Number of accidents before and after project implementation
   g) People killed or seriously injured in road traffic accidents (number)
   h) % community satisfaction of road safety
   i) Number of thefts/burglaries before and after project implementation
   j) Number of murders before and after project implementation
   k) Number of riots etc. before and after project implementation
   l) Number of street lights before and after project implementation
   m) Number of police personnel per lakh population before and after project implementation
   n) % community satisfied with level of security
   o) Degree of IT application in municipal services
   p) % community satisfied with record automation and availability in ULB
   q) Response time to emergency (minutes)
   r) Use of reflective devices, especially for cyclists (%)

4. **Key Project Stages** (Brief description of each aspect in about 100-150 words maximum)
   i. Conceptualisation and Planning
   ii. Project Formulation and Management
   iii. Project Financing Approach
   iv. Project Monitoring and Evaluation mechanism

5. **Innovation and Achievements/ Impacts** (Brief description wherever applicable)
   i. Innovation/Technology Adaptation
   ii. Community Participation/Stakeholder involvement
   iii. Contribution to City liveability, quality of life and societal impact
      a. safety
      b. environmental quality
      c. efficiency
      d. equity
      e. any other benefits / achievements
   iv. what is the involvement of the ULB in the project
   v. Potential of scalability (in case of projects which are not yet city wide)
   vi. Project Sustainability approach for future

CATEGORY 5: CITY WITH THE BEST INTELLIGENT TRANSPORT SYSTEM (ITS)

1. **Brief description of project**
   i. Need / context / problem statement:
   ii. Objectives / Aim:
   iii. Scope / coverage:
   iv. Project brief (250 words max):
   v. Key infrastructure details (Brief description of the infrastructure built up for this project):

2. **Project outline with key financial features**
   i. Project execution details
      a. Start date:
      b. Contractual completion date:
      c. Actual completion date :
      d. Commencement Date of Operations:
   ii. Cost details
      a. Estimated cost:
      b. Actual cost on completion:
   iii. Contribution in cost by different agencies (mention name of scheme also)
      a. Centre:
      b. State:
      c. ULB Govt.:
      d. Other sources (Private Funding, Viability Gap Funding, Multilateral Funding, etc):
   iv. Financial details
      a. PPP model (Yes / No). If Yes brief details:
      b. Economic benefits (EIRR):
      c. Financial status (FIRR):
      d. Revenue as % to operation cost:

If delayed, identify main reasons for delay in execution of project:

3. **Key Performance indicators of the project**

   i. % of primary road network nodes with Traffic signal density (Traffic signal/total no of nodes on primary network)
   ii. % of Traffic signals with pedestrian phase
   iii. Length of corridors which are signal synchronized (km)
   iv. Number of intersections which are signal synchronized
   v. Presence of command control center and its coverage in the city
   vi. Number of buses enabled with GPS and PIS system for monitoring purpose
   vii. Number of Auto rickshaws and taxis which are GPS enabled
   viii. Incident detection (% of road network/node/area type covered by incident detection)
   ix. Traffic management and traffic control measures (% of road network/node/area type covered by traffic management and traffic control measures)
   x. ITS services coverage (% of road network type covered by ITS services and applications)
   xi. Real-time traffic information relating to current traffic conditions on the road network (% of road network/node/area type covered by real-time traffic information services)

xii. Dynamic travel information on travel data provided by any transport operators or service providers (% of road network /node/area type covered by dynamic travel information services)

xiii. Annual investment in road ITS

- Annual operating & maintenance costs of road ITS
- Availability of traffic surveillance system
- Passenger information system (LED displays and screens inside stations or speakers)
- Global Positioning system
- Signal Synchronization
- Integrated ticketing system
- Signalised intersection

4. Benefits/Impacts of ITS

i. Change in travel time (% change in peak period travel time along routes / within areas where ITS has been implemented or improved)

ii. Change in road accident resulting in death or injuries numbers (% change in number of reported road accidents resulting in death or injuries along routes / within areas where ITS has been implemented or improved)

iii. Change in traffic-CO_2 emissions (% change in annual traffic CO_2 emissions on routes / within areas where ITS has been implemented or improved)

5. Key Project Stages (Brief description of each aspect in about 100-150 words maximum)

i. Conceptualisation and Planning
ii. Project Formulation and Management
iii. Project Financing Approach
iv. Project Monitoring and Evaluation mechanism

6. Innovation and Achievements/ Impacts (Brief description wherever applicable)

i. Innovation/Technology Adaptation
ii. Community Participation/Stakeholder involvement
iii. Contribution to City liveability, quality of life and societal impact
   a. aesthetics
   b. safety
   c. environmental quality
   d. efficiency
   e. equity
   f. any other benefits / achievements
iv. what is the involvement of the ULB in the project
v. Potential of scalability (in case of projects which are not yet city wide)
vi. Project Sustainability approach for future

CATEGORY 6: CITY WITH THE MOST INNOVATIVE FINANCING MECHANISM FOR TRANSPORT

1. **Brief description of project**
   i. Need / context / problem statement:
   ii. Objectives / Aim:
   iii. Scope / coverage:
   iv. Project brief (250 words max):
   v. Component of the project to be financed

2. **Project outline with key financial features**
   i. Project execution details
      a. Start date:
      b. Contractual completion date:
      c. Actual completion date:
      d. Commencement Date of Operations:
   ii. Cost details
      a. Estimated cost:
      b. Actual cost on completion:
   iii. Contribution in cost by different agencies (mention name of scheme also)
      a. Centre:
      b. State:
      c. ULB Govt.:
      d. Other sources (Private Funding, Viability Gap Funding, Multilateral Funding, etc):
   iv. Financial details
      a. PPP model (Yes / No). If Yes brief details:
      b. Economic benefits (EIRR):
      c. Financial status (FIRR):
      d. Revenue as % to operation cost:
      e. Financial Model
      f. Interest rate for the Project: (Only Applicable for Urban Financing Project)
      g. Fund allocation for different project components
      h. Phasing of project cost/investment
      i. Year of Achieving Threshold Level / Breakeven point
      j. Percentage of Non-Fare Revenue:

If delayed, identify main reasons for delay in execution of project:

3. **Key Project Stages** (Brief description of each aspect in about 100-150 words maximum)
   i. Conceptualisation and Planning
   ii. Project Formulation and Management
   iii. Project Financing Innovative Approach
   iv. Project Monitoring and Evaluation mechanism

4. **Innovation and Achievements/ Impacts (** Brief description wherever applicable with emphasis on innovative financing mechanism**)**
   i. Innovation/Technology Adaptation
   ii. Stakeholders involvement

iii. Financial impact (Revenues)
iv. Contribution to City liveability, quality of life and societal impact
    a. aesthetics
    b. safety
    c. environmental quality
    d. efficiency
    e. equity
    f. any other benefits / achievements
v. what is the involvement of the ULB in the project
vi. Potential of scalability (in case of projects which are not yet city wide)
vii. Project Sustainability approach for future

CATEGORY 7: CITY WITH BEST RECORD OF PUBLIC INVOLVEMENT IN ITS TRANSPORT PLANNING

1. **Brief description of project**
   i. Need / context / problem statement:
   ii. Objectives / Aim:
   iii. Scope / coverage:
   iv. Project brief (250 words max):
   v. Key infrastructure requirements (Brief description of the infrastructure built up for this project):

2. **Project outline with key financial features**
   i. Project execution details
      a. Start date:
      b. Contractual completion date:
      c. Actual completion date:
      d. Commencement Date of Operations:
   ii. Cost details
      a. Estimated cost:
      b. Actual cost on completion:
   iii. Contribution in cost by different agencies (mention name of scheme also)
      a. Centre:
      b. State:
      c. ULB Govt.:
      d. Other sources (Private Funding, Viability Gap Funding, Multilateral Funding, etc):
   iv. Financial details (if relevant)
      a. PPP model (Yes / No). If Yes brief details:
      b. Economic benefits (EIRR):
      c. Financial status (FIRR):
      d. Revenue as % to operation cost:

If delayed, identify main reasons for delay in execution of project:

3. **Key Project Stages** (Brief description of each aspect in about 100-150 words maximum)
   i. Conceptualisation and Planning with emphasis public participation /stakeholders
   ii. Project Formulation and Management
   iii. Project Financing Innovative Approach
   iv. Project Monitoring and Evaluation mechanism

4. **Innovation and Achievements/ Impacts (** Brief description on items wherever applicable with focus on public involvement in transport planning**)**
   i. Innovation/Technology Adaptation
   ii. Stakeholders involvement/Public involvement
   iii. Financial impact (Revenues)
   iv. Contribution to City liveability, quality of life and societal impact
      a. aesthetics
      b. safety
      c. environmental quality

d. efficiency
e. equity
f. any other benefits / achievements

v. what is the involvement of the ULB in the project
vi. Is there a transport plan for the city and is public involvement part of the transport planning process
vii. Potential of scalability (in case of projects which are not yet city wide)
viii. Project Sustainability approach for future

CATEGORY 8: CITY WITH THE BEST FREIGHT TRANSPORT SYSTEM

1. **Brief description of project**
   i. Need / context / problem statement:
   ii. Objectives / Aim:
   iii. Scope / coverage:
   iv. Project brief (250 words max):
   v. Key infrastructure requirements (Brief description of the infrastructure built up for this project):
2. **Project outline with key financial features**
   i. Project execution details
      a. Start date:
      b. Contractual completion date:
      c. Actual completion date:
      d. Commencement Date of Operations:
   ii. Cost details
      a. Estimated cost:
      b. Actual cost on completion:
   iii. Contribution in cost by different agencies (mention name of scheme also)
      a. Centre:
      b. State:
      c. ULB Govt.:
      d. Other sources (Private Funding, Viability Gap Funding, Multilateral Funding, etc):
   iv. Financial details
      a. PPP model (Yes / No). If Yes brief details:
      b. Economic benefits (EIRR):
      c. Financial status (FIRR):
      d. Revenue as % to operation cost:

If delayed, identify main reasons for delay in execution of project:

3. **Key Physical Performance indicators of the project**
   i. Average Pay Load (in Tonne)
   ii. Percentage share of NMT/Green Modes
   iii. Average Loading/unloading time (time units)
   iv. Average distance travelled per collection/ delivery (km)
   v. Total distance travelled on roads in urban area transporting goods by vehicles
   vi. Average time taken per collection/delivery (time units)
   vii. Average operating cost per collection/delivery
      -Rs/km
      -Rs/tone km
   viii. Freight Intensity goods moved (ton km/day)
   ix. Average length of haul (km)
   x. Empty running (Km)
   xi. Greenhouse gas emissions (units/day)

4. **Freight Infrastructure planning and management**
   i. Infrastructure for handling freight
   - loading/unloading areas

- freight terminals
- Other facilities

ii. Freight management details
- Spatial Restrictions
- Temporal Restrictions

iii. Is the freight transport infrastructure needs adequately incorporated in the Master Plan

iv. Have the freight infrastructure requirements assessed scientifically in Transport Plan of the city

v. What is the level of ITS application in freight transport management

vi. Has the city implemented any best practices urban freight initiative such as city logsitics

5. **Key Project Stages** (Brief description of each aspect in about 100-150 words maximum)
   i. Conceptualisation and Planning
   ii. Project Formulation and Management
   iii. Project Financing Approach
   iv. Project Monitoring and Evaluation mechanism

6. **Innovation and Achievements/ Impacts (** Brief description wherever applicable**)**
   i. Innovation/Technology Adaptation
   ii. Community Participation/Stakeholder involvement
   iii. Contribution to City liveability, quality of life and societal impact
      a. safety
      b. environmental quality
      c. efficiency
      d. equity
      e. any other benefits / achievements
   iv. what is the involvement of the ULB in the project
   v. Potential of scalability (in case of projects which are not yet city wide)
   vi. Project Sustainability approach for future

CATEGORY 9: CITY WITH THE BEST GREEN TRANSPORT INITIATIVE

1. **Brief description of project**
   i. Need / context / problem statement:
   ii. Objectives / Aim:
   iii. Scope / coverage:
   iv. Project brief (250 words max):
   v. Key infrastructure requirements (Brief description of the infrastructure built up for this project):
2. **Project outline with key financial features**
   i. Project execution details
      a. Start date:
      b. Contractual completion date:
      c. Actual completion date:
      d. Commencement Date of Operations:
   ii. Cost details
      a. Estimated cost:
      b. Actual cost on completion:
   iii. Contribution in cost by different agencies (mention name of scheme also)
      a. Centre:
      b. State:
      c. ULB Govt.:
      d. Other sources (Private Funding, Viability Gap Funding, Multilateral Funding, etc):
   iv. Financial details
      a. PPP model (Yes / No). If Yes brief details:
      b. Economic benefits (EIRR):
      c. Financial status (FIRR):
      d. Revenue as % to operation cost:

If delayed, identify main reasons for delay in execution of project:

3. **Key Performance Indicators of Green Transport**
   i. % share of trips of Walk, NMT & electric mobility the city
   ii. Green Transport fleet supply (Total nos. and per 10,000 population)
   -Cycles
   -Electric Cycles
   -Electric Two wheelers
   -Electric Auto rickshaw
   -Electric cars
   - CNG Buses
   -Electric buses
   -Electric freight vehicles
   - App based cab services (Ola/Uber etc.)
   - Car/van pool services/shuttle
   iii. Operating cost /km and per pass km
   iv. Revenue per km and per pass km
   v. Economic Efficiency before and after
   vi. Energy consumption per pass km
   vii. Alternative Fuels filling stations

4. **Key Project Stages** (Brief description of each aspect in about 100-150 words maximum)
   i. Conceptualisation and Planning
   ii. Project Formulation and Management
   iii. Project Financing Approach
   iv. Project Monitoring and Evaluation mechanism

5. **Innovation and Achievements/ Impacts** (Brief description wherever applicable)
   i. Innovation/Technology Adaptation
   ii. Community Participation/Stakeholder involvement
   iii. Contribution to City liveability, quality of life and societal impact
      a. aesthetics
      b. safety
      c. environmental quality
      d. efficiency
      e. equity
      f. any other benefits / achievements
   iv. what is the involvement of the ULB in the project
   v. Potential of scalability (in case of projects which are not yet city wide)
   vi. Project Sustainability approach for future

CATEGORY 10: METRO RAIL WITH THE BEST MULTIMODAL INTEGRATION

1. **Brief description of project**
   i. Need / context / problem statement:
   ii. Objectives / Aim:
   iii. Scope / coverage:
   iv. Project brief (250 words max):
   v. Key infrastructure details (Brief description of the infrastructure built up for this project):

2. **Project outline with key financial features**
   i. Project execution details
      a. Start date:
      b. Contractual completion date:
      c. Actual completion date:
      d. Commencement Date of Operations:
   ii. Cost details
      a. Estimated cost:
      b. Actual cost on completion:
   iii. Contribution in cost by different agencies (mention name of scheme also)
      a. Centre:
      b. State:
      c. ULB Govt.:
      d. Other sources (Private Funding, Viability Gap Funding, Multilateral Funding, etc):
   iv. Financial details
      a. PPP model (Yes / No). If Yes brief details:
      b. Economic benefits (EIRR):
      c. Financial status (FIRR):
      d. Revenue as % to operation cost:
      e. Share of fare box revenue of total revenue(%)
   v. If delayed, identify main reasons for delay in execution of project:

3. **Key indicators of the project**
   i. Network length (km)
   ii. Network Coverage (km/sq km):
   iii. Average passengers carried/day
   iv. Average daily traffic earning (unit Rs)
   v. Average Passenger km/day
   vi. Capacity utilisation (Passenger km to Capacity km)
   vii. Any Other:

4. **Key Performance Indicators of multi modal integration**
   i. Types of multi modal modes available at metro stations
   ii. % of Interchange passengers
   iii. Average Multi modal interchange area at various levels (sq m)
   iv. Access Modal share of arriving passengers at stations (%)
   v. Dispersal mode share of departing passengers at stations (%)
   vi. Average interchange time at station per passenger (min.)

-Arriving passengers
-Departing passengers

vii. Average daily interchange passenger traffic by various modes
- Arriving passengers,
- Departing passengers,
- Total passengers

viii. Average interchange cost at station per passenger (Rs)

ix. Average interchange time
-Arriving passengers
-Departing passengers
- Overall

x. Ratio of interchange cost to total commuting cost per passenger

xi. Ratio of interchange time to total commuting time per passenger

xii. Details of Feeder transport systems managed by metro agency

xiii. Is there a last mile connectivity policy generally practised at stations

xiv. Parking charges of various access and dispersal modes

xv. Parking management strategy of access and dispersal modes

xvi. Walkability status around primary catchment area (2 sq km)

xvii. Number of bus routes serving various stations

xviii. Details of physical integration

xix. Details of fare integration , if any

xx. Details of operational integration (scheduling), if any

xxi. Total cost per passenger (average)

xxii. Total cost per passenger km (average)

5. Key Project Stages (Brief description of each aspect in about 100-150 words maximum)

i. Conceptualisation and Planning

ii. Project Formulation and Management

iii. Project Financing Approach

iv. Project Monitoring and Evaluation mechanism

6. Innovation and Achievements/ Impacts, if any (Brief description wherever applicable)

i. Innovation/Technology Adaptation

ii. Stakeholder involvement

iii. Contribution to City liveability, quality of life and societal impact
   a. aesthetics
   b. safety
   c. environmental quality
   d. efficiency
   e. equity
   f. any other benefits / achievements

iv. what is the involvement of the ULB in the project

v. Potential of scalability (in case of projects which are not yet city wide)

vi. Project Sustainability approach for future

CATEGORY 11: METRO RAIL WITH THE BEST PASSENGER SERVICES AND SATISFACTION

1. **Brief description of project**
   i. Need / context / problem statement:
   ii. Objectives / Aim:
   iii. Scope / coverage:
   iv. Project brief (250 words max):
   v. Key infrastructure details (Brief description of the infrastructure built up for this project):

2. **Project outline with key financial features**

i. Project execution details
   a. Start date:
   b. Contractual completion date:
   c. Actual completion date:
   d. Commencement Date of Operations:

ii. Cost details
   a. Estimated cost:
   b. Actual cost on completion:

iii. Contribution in cost by different agencies (mention name of scheme also)
   a. Centre:
   b. State:
   c. ULB Govt.:
   d. Other sources (Private Funding, Viability Gap Funding, Multilateral Funding, etc):

iv. Financial details
   a. PPP model (Yes / No). If Yes brief details:
   b. Economic benefits (EIRR):
   c. Financial status (FIRR):
   d. Revenue as % to operation cost:
   e. Share of fare box revenue of total revenue(%)

v. If delayed, identify main reasons for delay in execution of project:

3. **Key indicators of the project**
   i. Network length (km)
   ii. Network Coverage (km/sq km):
   iii. Average passengers carried/day
   iv. Average daily traffic earning (unit Rs)
   v. Average Passenger km/day
   vi. Capacity utilisation (Passenger km to Capacity km)
   vii. Any Other:

4. **Key Performance indicators**

   i. % of passengers satisfied with overall metro system and its service
   ii. % of passengers satisfied with reliability and punctuality of services
   iii. % of passengers satisfied with maintenance of the stations
   iv. % Passengers satisfied with last mile connectivity services

v. % passengers satisfied with station facilities and amenities
vi. % passengers satisfied with safety and security at stations
vii. % passengers satisfied with signages at stations
viii. % passengers satisfied with air conditioning within train
ix. % passengers satisfied with management of crowd at stations
x. % passengers satisfied with ticketing and information kiosks facilities at stations

5. **Key Project Stages** (Brief description of each aspect in about 100-150 words maximum)
   i. Conceptualisation and Planning
   ii. Project Formulation and Management
   iii. Project Financing Approach
   iv. Project Monitoring and Evaluation mechanism

6. **Innovation and Achievements/ Impacts** (Brief description wherever applicable)
   i. Innovation/Technology Adaptation/ Policy intervention
   ii. Community Participation/Stakeholder involvement
   iii. Contribution to City liveability, quality of life and societal impact
      a. safety
      b. environmental quality
      c. efficiency
      d. equity
      e. any other benefits / achievements
   iv. what is the involvement of the ULB in the project
   v. Potential of scalability (in case of projects which are not yet city wide)
   vi. Project Sustainability approach for future

CATEGORY 12: BEST URBAN TRANSPORT PROJECTS IMPLEMENTED BY STATE / UT (Running Trophy)

1. **Brief description of project**
   i. Need / context / problem statement:
   ii. Objectives / Aim:
   iii. Scope / coverage:
   iv. Project brief (250 words max):

2. **Project outline with key financial features**
   i. Project execution details
      a. Start date:
      b. Contractual completion date:
      c. Actual completion date:
      d. Commencement Date of Operations:
   ii. Cost details
      a. Estimated cost:
      b. Actual cost on completion:
   iii. Contribution in cost by different agencies (mention name of scheme also)
      a. Centre:
      b. State:
      c. ULB Govt.:
      d. Other sources (Private Funding, Viability Gap Funding, Multilateral Funding, etc):

3. **Key Performance Indicators**
   i. Share of trips by sustainable modes (%) :
      - Public transport share (%)
      - shared modes (Ola/Uber etc)
      - Cycling share (%)
      - Walk share (%)
   ii. Sustainable transport infrastructure supply (nos.) which ever is relevant to project
      - Cycling network (Km)
      - footpath on both sides of roads (Km)
      - Bus fleet
      - Metro fleet
      - Shared modes fleet (Ola/Uber/autos)
      - e rickshaw
      - Public bike sharing(PBS)
      - Electric vehicle fleet

4. **Impacts**
   i. Passenger demand (mobility) implications before and after
   ii. Energy consumption before and after
   iii. Safety environment before and after
   iv. Environment quality before and after
   v. Social benefits before and after
   vi. Economic benefits before and after

5. **Key Project Stages** (Brief description of each aspect in about 100-150 words maximum)
   i. Conceptualisation and Planning
   ii. Project Formulation and Management
   iii. Project Financing Approach
   iv. Project Monitoring and Evaluation mechanism

6. **Innovation and Achievements/ Impacts** (Brief description wherever applicable)
   i. Innovation/Technology Adaptation
   ii. Community Participation/Stakeholder involvement
   iii. Contribution to City liveability, quality of life and societal impact
      a. aesthetics
      b. safety
      c. environmental quality
      d. efficiency
      e. equity
      f. any other benefits / achievements
   iv. what is the involvement of the ULB in the project
   v. Potential of scalability (in case of projects which are not yet city wide)
   vi. Project Sustainability approach for future