

## **Terms of Reference for Recruitment of Urban Transport Planner**

**Applications are invited from eligible candidate for the post of Urban Transport Planners in the Institute of Urban Transport (India) [IUT] as per details given below:**

### **1. About the Institute**

- 1.1 The Institute of Urban Transport (India) [IUT] was established in May, 1997 under the purview of the erstwhile Ministry of Urban Development now Ministry of Housing & Urban Affairs (MoHUA), Government of India as a premier professional non-profit making organization and registered under the Societies Registration Act. The membership of the Institute comprises Academicians, Architects, Economists, Engineers, Transport Planners, Town Planners and professionals from various other disciplines. The Institute has 67 institutional members and about 1600 individual members. It has association with foreign organizations such as LTA Singapore, GIZ and KfW from Germany, CODATU, France and KOTI South Korea. The Secretary, MoHUA, Government of India, is the ex-officio President of the Institute. The Officer on Special Duty (UT) and Ex-officio Joint Secretary in the Ministry is the Acting Director General of the Institute. It has three tiers of management, namely Executive Committee, Governing Council and General Body.
  - 1.2 The aims and objectives of the Institute are to promote, encourage and coordinate the state of the art of urban transport including planning, development, operation, education, research and management and also to organize lectures, seminars, workshops, conferences, etc. on the subjects pertaining to urban transport. In addition, the Institute provides professional support to MoHUA for its various projects and initiatives such as appraisal of Metro Rail / Urban Transport projects received for central assistance, organizing an annual Urban Mobility India Conference cum Exhibition, several workshops and capacity building programs.
  - 1.3 **One of the ongoing activities is to undertake two national level studies, namely “Assessment of Metro Rail impact in various cities in India” and “Innovative measures to increase Non Fare Box Revenue of Metro Rail Projects” being assigned by the Ministry of Housing & Urban Affairs, Govt. of India.**
2. In this connection, it is proposed to recruit two Urban Transport Planners as part of the team for specially undertaking the above mentioned studies as per details given below:
- (i) **Qualifications and Experience** – The applicant should have a bachelor’s degree in Engineering/ Architecture/ Planning and master’s degree in Transport Planning/ Transport Engineering or an equivalent degree awarded by a recognized university or institution, such as M.Tech Infrastructure Engg. Design; Masters of Technology; M.Tech (Centre for Transportation Systems); M.Tech in Transportation Engineering; M.Tech in Infrastructure Systems; Masters in. Urban Transport Planning & Management; etc. having experience of 7 to 8 years after attaining master’s degree.

- (ii) **Maximum Age Limit** - An upper age limit of 40 years is prescribed as on date of issue of this advertisement.
  - (iii) **Preference** will be given to those candidates who have successfully undertaken studies, projects related to Metro Rail Projects in the country.
  - (iv) **Remuneration** – Selected candidate shall be given a suitable consolidated remuneration commensurate with his/ her qualifications and experience.
  - (v) **Selection Process** – The shortlisted candidates will be interviewed virtually through online portal to assess their suitability for selection.
  - (vi) In addition to above, IUT shall prepare a panel of Urban Transport Planners with the above qualifications and experience for filling up of upcoming vacancies.
3. Shortlisted candidates only shall be called for interview by the Recruitment and Remuneration Committee.
4. **Soft copy of the CV and application as in the enclosed format may please be addressed to the Director General, Institute of Urban Transport (India), 1<sup>st</sup> Floor, Anand Vihar Metro Station Building, Delhi – 110092 and e-mailed to [jobs@iutindia.org](mailto:jobs@iutindia.org) latest by 15:00 hrs on Thursday, the 28.07.2022.**

### **Format for Application**

Personal Details		
S.No.	Name	
1	Date of Birth	
2	Gender	
3	Permanent Address	
4	Address for Communication	
5	Telephone	
6	Mobile No.	
7	Email Address	

Qualifications					
S.No.	Class / Degree	Board / University	Year of Passing	Subjects	Marks / Grade obtained
1	Class X				
2	Class XII				
3	Graduation				
4	Post Graduation				
5	Any other qualification including diplomas, etc				

Experience						
S.No.	Designation	Employer	Date of Joining	Date of Relieving	Monthly remuneration received	Total work experience after attaining Master's degree in Transport Planning (if any gap during the job please specify)
1						
2						
3						

**Salary expectation (INR) :**

I hereby declare that the information and particulars furnished above are true and correct to the best of my knowledge and belief and nothing has been concealed.

Date:

Place:

(Name and signature of the applicant)

## **Terms of Reference for Recruitment of Financial Expert**

**Applications are invited from eligible candidate for the post of Financial Expert in the Institute of Urban Transport (India) [IUT] as per details given below:**

### **1. About the Institute**

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- 1.2 The aims and objectives of the Institute are to promote, encourage and coordinate the state of the art of urban transport including planning, development, operation, education, research and management and also to organize lectures, seminars, workshops, conferences, etc. on the subjects pertaining to urban transport. In addition, the Institute provides professional support to MoHUA for its various projects and initiatives such as appraisal of Metro Rail / Urban Transport projects received for central assistance, organizing an annual Urban Mobility India Conference cum Exhibition, several workshops and capacity building programs.
- 1.3 **One of the ongoing activities is to undertake a national level study, namely “Innovative measures to increase Non Fare Box Revenue of Metro Rail Projects” being assigned by the Ministry of Housing & Urban Affairs, Govt. of India.**

### **2. Scope of the study**

- 2.1 The scope of work for this study would involve the following:
  - i. National and International Best practices will be examined to understand present scenario on non-fare box revenue techniques and innovative measures taken up by various metro rail projects around the world.
  - ii. Formulating data collection strategy to build requisite database through primary and secondary sources.
  - iii. Data analysis to identify present scenario of revenue earning by various metro rail projects and identify the gaps and issues relating to it.

- iv. Stakeholder consultation workshop will be conducted in the form of an online/offline workshop in order to get valuable input and feedback by industry experts, various agencies and representatives of metro organization.
- v. Suggest innovative means to increase revenue for improving financial viability of metro rail projects.

### 3. **Job profile of Financial Expert**

3.1 Based on the scope mentioned above, the Financial Expert's role is to provide services in financial planning and suggest the innovative means of financing of metro rail projects in India. The duration of the project is 8 to 10 months and time requirement of expert is 30 to 40% of the total duration of the project. The key responsibilities includes:

- To review the national and international best practices and measures undertaken by various metro rail systems around the world for maximizing non fare box revenue and possibility of their wider replication
- To identify the problems, constraints and hindrances faced by the metro operators in generating or adopting the non-fare box revenue in terms of financial arrangements
- To suggest innovative measures to increase revenue of metro rail projects by non-fare box revenue
- Undertake capacity building activities as and when required
- Prepare primary and secondary data collection formats
- Prepare reports and provide inputs in finalizing the reports as and when required
- H/She may travel to various cities in India as and when required

3.2 H/She must be registered with the relevant professional body. Should have more than 20 years of experience in consulting, demonstrate experience in financial analysis of metro rail projects, extensive knowledge in financial planning, financial viability analysis of projects, excellent technical writing skills (mandatory), experience in preparing project reports, and/or publications, proficient in use of computer software (MS Word, MS Excel, MS PowerPoint, etc) to produce professional documents of international standard.

3.3 At least a Master's Degree, in related discipline from a recognized university.

4. Shortlisted candidates only shall be called for interview by the Recruitment and Remuneration Committee.

5. **Soft copy of the CV and application along with expected remuneration/fee for this assignment** may please be sent to the Director General, Institute of Urban Transport (India), 1<sup>st</sup> Floor, Anand Vihar Metro Station Building, Delhi – 110092 by **e-mail to [jobs@iutindia.org](mailto:jobs@iutindia.org) latest by 15:00 hrs on Thursday, the 28.07.2022.**

## **Terms of Reference for Recruitment of Economic and Financial Expert**

**Applications are invited from eligible candidate for the post of Economic and Financial Expert in the Institute of Urban Transport (India) [IUT] as per details given below:**

### **1. About the Institute**

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- 1.2 The aims and objectives of the Institute are to promote, encourage and coordinate the state of the art of urban transport including planning, development, operation, education, research and management and also to organize lectures, seminars, workshops, conferences, etc. on the subjects pertaining to urban transport. In addition, the Institute provides professional support to MoHUA for its various projects and initiatives such as appraisal of Metro Rail / Urban Transport projects received for central assistance, organizing an annual Urban Mobility India Conference cum Exhibition, several workshops and capacity building programs.
- 1.3 **One of the ongoing activities is to undertake a national level study, namely “Assessment of Metro Rail impact in various cities in India” being assigned by the Ministry of Housing & Urban Affairs, Govt. of India.**

### **2. Scope of the study**

- 2.1 The objective of the study is to review the ridership & peak hour peak direction traffic (PHPDT) of various metro rail projects and examine the impacts of metro rail projects in terms of economic parameters, last mile connectivity and transport and land use integration. Also, recommend the measures to enhance the ridership of the metros in Indian cities. Accordingly, the study is envisaged to cover the following tasks:
  - Task 1: Data collection from the selected metro rail projects.
  - Task 2: Assessment of ridership and peak hour peak direction traffic (PHPDT) of various metro rail projects.
  - Task 3: Assessment of impacts in terms of financial and economic parameters.
  - Task 4: Assessment of impacts on urbanization and land use.
  - Task 5: Assessment of first and last mile connectivity.
  - Task 6: Stakeholder consultation.

- Task 7: Recommendations for improvement of ridership of the metro systems.

### 3. **Job profile of Economic and Financial Expert**

3.1 Based on the scope mentioned above, the Economic and Financial Expert's role is to assess the financial and economic impact of Metro rail projects in India. The duration of the project is 10 -12 months and time requirement of expert is 30 to 40% of the total duration of the project. The key responsibilities includes:

- Review and analyse the economic and financial analysis of Metro projects in the approved DPR.
- Prepares possible financing methods and options in order to realize projects.
- Undertakes activities to build the capacity of the staff identified by the client through coaching and mentoring.
- Prepare primary and secondary data collection formats and provide inputs in finalizing the reports as and when required.
- Compare the cost and savings/benefits projections mentioned in the Detailed Project Report (DPR) of various metros with the existing scenario.
- Identify of gaps, differences and issues with the projections, if any. (information collected through questionnaire or consultation with the operating authorities).
- Assess the impact of metro in terms of financial and economic parameters and prepare report accordingly.
- Compile the findings, suggestions and recommendations to maximize the ridership in order to achieve projections made as per the DPR.
- Undertake capacity building activities as and when required.
- Prepares quality project technical reports as and when required.
- Undertakes the specific tasks from the TOR that are applicable to financial expert.
- Undertakes activities to support financial Investment analysis and financial appraisals of projects.
- H/She may travel to various cities in India as and when required.

3.2 H/She must be registered with the relevant professional body. Should have more than 20 years of experience in consulting, demonstrate experience in economic and financial analysis of metro rail projects, extensive knowledge in economic and financial planning, & viability analysis of infrastructure projects, excellent technical writing skills (mandatory), Experience in preparing project reports, and/or publications, proficient in use of computer software (MS Word, MS Excel, MS PowerPoint, etc) to produce professional documents of international standard.

3.3 At least a Master's Degree, in related discipline from a recognized university.

4. Shortlisted candidates only shall be called for interview by the Recruitment and Remuneration Committee.

5. **Soft copy of the CV and application along with expected remuneration/fee for this assignment** may please be sent to the Director General, Institute of Urban Transport (India), 1<sup>st</sup> Floor, Anand Vihar Metro Station Building, Delhi – 110092 by **e-mail to [jobs@iutindia.org](mailto:jobs@iutindia.org) latest by 15:00 hrs on Thursday, the 28.07.2022.**



## **Terms of Reference for Recruitment of Land Use Expert**

**Applications are invited from eligible candidate for the post of Land Use Expert in the Institute of Urban Transport (India) [IUT] as per details given below:**

### **1. About the Institute**

- 1.1 The Institute of Urban Transport (India) [IUT] was established in May, 1997 under the purview of the erstwhile Ministry of Urban Development now Ministry of Housing & Urban Affairs (MoHUA), Government of India as a premier professional non-profit making organization and registered under the Societies Registration Act. The membership of the Institute comprises Academicians, Architects, Economists, Engineers, Transport Planners, Town Planners and professionals from various other disciplines. The Institute has 67 institutional members and about 1600 individual members. It has association with foreign organizations such as LTA Singapore, GIZ and KfW from Germany, CODATU, France and KOTI South Korea. The Secretary, MoHUA, Government of India, is the ex-officio President of the Institute. The Officer on Special Duty (UT) and Ex-officio Joint Secretary in the Ministry is the Acting Director General of the Institute. It has three tiers of management, namely Executive Committee, Governing Council and General Body.
- 1.2 The aims and objectives of the Institute are to promote, encourage and coordinate the state of the art of urban transport including planning, development, operation, education, research and management and also to organize lectures, seminars, workshops, conferences, etc. on the subjects pertaining to urban transport. In addition, the Institute provides professional support to MoHUA for its various projects and initiatives such as appraisal of Metro Rail / Urban Transport projects received for central assistance, organizing an annual Urban Mobility India Conference cum Exhibition, several workshops and capacity building programs.
- 1.3 **One of the ongoing activities is to undertake a national level study, namely “Assessment of Metro Rail impact in various cities in India” being assigned by the Ministry of Housing & Urban Affairs, Govt. of India.**

### **2. Scope of the study**

- 2.1 The objective of the study is to review the ridership & peak hour peak direction traffic (PHPDT) of various metro rail projects, to examine the impacts of metro rail projects in terms of economic parameters, last mile connectivity and transport and land use integration and to suggest measures to enhance the ridership of the metros in Indian cities. Accordingly, the study is envisaged to cover the following tasks:
  - Task 1: Data collection from the selected metro rail projects.
  - Task 2: Assessment of ridership and peak hour peak direction traffic (PHPDT) of various metro rail projects.
  - Task 3: Assessment of Impacts in terms of financial and economic parameters.
  - Task 4: Assessment of Impacts on urbanization and land use.
  - Task 5: Assessment of first and last mile connectivity.
  - Task 6: Stakeholder consultation.

- Task 7: Recommendations for improvement of ridership of the metro systems.

### 3. Job profile of Land Use Expert

3.1 Based on the scope mentioned above, the Landuse Expert's role is to assess the impacts of metro rail projects on Urbanization and Land use along the metro rail corridor. The duration of the project is 10 -12 months and time requirement of expert is 30 to 40% of the total duration of the project. The key responsibilities include:

- Reviewing the changes in land use pattern and urbanization level after the implementation of metro in various cities.
  - Whether the city master plan has taken the cognizance of metro rail project?
  - Land use changes and increase in built up area/FAR/ Density etc along the metro rail corridor.
  - Change in Land and property values. (Data can be collected from registrar)
  - Any other activity
- Identifying the key developments, influenced by the metro rail corridor. (IT hubs, transport hubs etc.)
- Compiling the findings, suggestions and recommendations to maximize the ridership in order to achieve projections made as per the DPR
- **Knowledge of applicable laws, codes, and ordinances governing land use planning and zoning**
- Undertake capacity building activities as and when required
- Prepare primary and secondary data collection formats and provide inputs in finalizing the reports as and when required.
- **Ability to secure facts through investigation and inspection and to effectively analyse and interpret them.**
- H/She may travel to various cities in India as when required
- To suggest measures to enhance the ridership of the metros in Indian cities.
- Assess the impact of metro on urbanization and land use and prepare the report.

3.2 H/She must be registered with the relevant professional body. Should have more than 20 years of experience in consulting, demonstrate experience in land use analysis of metro projects, extensive knowledge in land use analysis of projects, excellent technical writing skills (mandatory), experience in preparing project reports, and/or publications, **working knowledge of the use and application of GIS technology in land use analysis**, proficient in use of computer software (MS Word, MS Excel, MS PowerPoint, etc) to produce professional documents of international standard.

3.3 At least a Master's Degree, in related discipline from a recognized university.

4. Shortlisted candidates only shall be called for interview by the Recruitment and Remuneration Committee.

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