

# **TERMS OF REFERENCE**

## **Regional Spatial Planning Expert (International)**

### **Punjab Spatial Strategy**

#### **1. BACKGROUND OF THE PROJECT**

The Government of Punjab has developed the Punjab Growth Strategy 2018 to put Punjab on the path to sustainable economic growth. Its GDP growth rate is hovering around 4%, which is quite low compared to its regional competitors. The Government is of the view that it is important to align sector priorities (such as industrial clusters, transportation, urban development, communications, public utilities, etc.) across the province in order to leverage the benefits of agglomeration economies, reduce redundancy and increase competitiveness. This can be achieved by developing a spatially integrated strategic framework that prioritizes different sectors of the economy to align with the Province's geographic and demographic strengths and opportunities.

To this effect, the Government of Punjab has embarked upon the process of developing a Punjab Spatial Strategy (PSS) to complement the Punjab Growth Strategy in close collaboration with relevant departments such as local governments, line departments, private sector enterprises and other stakeholders. Its main objective is to direct and streamline public and private sector investments across various sectors over the course of the next twenty years by requiring that projects funded through MDTF (Medium-Term Development Framework – a multi-year indicative budget) before approval through the ADP (Annual Development Plan – the annual budget) process are in line with PSS. The principal responsibility for developing and implementing the spatial strategy rests with the P&D Department. The Urban Unit has been designated as the executing agency for PSS.

Punjab Spatial Strategy will help prioritize and coordinate public investment decisions with respect to the

- (i) Location of industrial estates;
- (ii) Investments in large-scale infrastructure projects (especially related to transport connectivity); and
- (iii) Municipal infrastructure investments in order to best support economic growth.

The specific objectives are to:

- Identify and assess the potential of Punjab's growth corridors and nodes with competitive economic position
- Align where government should direct its investment to ensure improved public investment process in infrastructure while considering locational advantages of existing new proposed clusters
- Provide the spatial expression of the Provincial Growth and Development and propose strategic interventions
- Provide a set of normative principles or departure points that guide the Province's approach to dealing with socio-economic issues that are manifested spatially
- Provide a basis for informed consensus on the province's spatial priorities by providing a map giving guidance for the future spatial development

- Guide municipal development plans with normative principles, approach and content

## **2. DUTIES AND RESPONSIBILITIES**

1. To lead & steer the core team in collection of data and development of Punjab Spatial Strategy through:
  - a. Developing a long term spatial vision and strategic policies and proposals required for delivering that vision
  - b. Defining regions and sub-regions across the Province of Punjab
  - c. Assessing Punjab's existing geographical, social, economic and cultural potential as well as current issues
  - d. Identifying potential of growth corridors and nodes using spatial analyses including prioritization of city-regions
  - e. Identifying spatial policies that will make Punjab internationally competitive, socially cohesive and environmentally sustainable
  - f. Providing support to other sectorial teams in developing Provincial Spatial Economic Development Framework and Local Development Frameworks
  - g. Extending technical support to all linked and partner government departments & agencies to improve planning and projects designing related to regional spatial planning
  - h. Making recommendations based on evidence as well as best practices
2. Contributing in the development of Punjab Spatial Strategy (to be developed by the International firm in collaboration with Urban Unit in-house team) which will set out the overall spatial vision including key data and suggested policies related to future spatial development objectives for Punjab.
3. To review the Terms of Reference and Deliverables of the International Firm (to be hired for) developing the Punjab Spatial Strategy.
4. Contributing in the capacity building of core team of Urban Unit through facilitating in learning and knowledge sharing, collaboration and synergies.
5. To support the core team in developing Intermediate Knowledge Products (IKPs) and other outcome reports relevant to the above mentioned tasks.

## **3. REQUIRED QUALIFICATIONS, COMPETENCES AND EXPERIENCE**

### **Qualifications**

- At least Master's Degree in Urban and Regional Planning or equivalent. Candidates with a higher degree(s) will be preferred.

### **Professional experience**

- At least 15 years of professional experience in Urban Planning, Regional Planning and Strategic Planning or equivalent
- The candidate should have technical command on Regional Planning, and sound knowledge of spatial growth frameworks, and expertise in carrying out data analyses.

# **TERMS OF REFERENCE**

## **GIS Expert (International)**

### **Punjab Spatial Strategy**

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- Provide a set of normative principles or departure points that guide the Province's approach to dealing with socio-economic issues that are manifested spatially
- Provide a basis for informed consensus on the province's spatial priorities by providing a map giving guidance for the future spatial development
- Guide municipal development plans with normative principles, approach and content

## **2. DUTIES AND RESPONSIBILITIES**

1. To lead & steer the core team in collection of data and development of Punjab Spatial Strategy through:
  - a. Identifying all spatial data sets required for developing the spatial strategy.
  - b. Defining standard operating procedures for creation, collection and storing of all spatial data layers.
  - c. Defining meta-data standards for spatial data.
  - d. Working with the GIS team at the Urban Unit to ensure that the data being developed is of the required quality.
  - e. Defining standards for spatial data visualization and map creation.
  - f. Working in close coordination with other international experts and the Urban Unit team to identify spatial analysis required for developing the spatial strategy.
  - g. Performing spatial data analysis required for developing the spatial strategy.
2. Designing a web based Spatial Decision Support System (SDSS) for planning and evaluating scheme:
  - a. Identifying the decisions required to be supported by Web based SDSS.
  - b. Identifying key spatial and non spatial data required for each decision.
  - c. Defining workflows, spatial analysis and output for each decision.
3. Contributing in the development of Punjab Spatial Strategy (to be developed by the International firm in collaboration with Urban Unit in-house team) which will set out the overall spatial vision including key data and suggested policies related to future spatial development objectives for Punjab.
4. To review the Terms of Reference and Deliverables of the International Firm (to be hired for) developing the Punjab Spatial Strategy.
5. Contributing in the capacity building of core team of Urban Unit through facilitating in learning and knowledge sharing, collaboration and synergies.
6. To support the core team in developing Intermediate Knowledge Products (IKPs) and other outcome reports relevant to the above mentioned tasks.

## **3. REQUIRED QUALIFICATIONS, COMPETENCES AND EXPERIENCE**

### **Qualifications**

- At least Masters Degree in GIS/Geoinformatics/Spatial Planning or equivalent. Candidates with a higher degree(s) will be preferred.

### **Professional experience**

- At least 15 years of professional experience in applied GIS and spatial planning.
- The candidate should have experience in designing spatial decision support system.
- The candidate should have technical command on use of GIS software for spatial data analysis.

# **TERMS OF REFERENCE**

## **Spatial Economic Development Expert (International)**

### **Punjab Spatial Strategy**

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- Provide a set of normative principles or departure points that guide the Province's approach to dealing with socio-economic issues that are manifested spatially
- Provide a basis for informed consensus on the province's spatial priorities by providing a map giving guidance for the future spatial development
- Guide municipal development plans with normative principles, approach and content

## **2. DUTIES AND RESPONSIBILITIES**

1. To lead & steer the core team in collection / analysis of relevant data and development of Punjab Spatial Strategy through:
  - a. Identification and assessment of the potential of Punjab's growth corridors and nodes with competitive economic position both locally and internationally.
  - b. Identification and prioritization of the existing and new potential industrial zone, special economic zones (SEZs), industrial estate and export processing zones (EPZs) along with the development of a comprehensive industrial development framework for the province.
  - c. Identification and prioritization of the key thematic areas and geographic locations where government should direct its investment to ensure improved public investment process in infrastructure while considering locational advantages of existing and new proposed clusters.
  - d. Review of existing provincial growth performance and development framework with the provision of the spatial expression to the Provincial Growth and Development Framework.
  - e. Providing a road map for province's spatial priorities for the future spatial development.
  - f. Building a decision support system that guides municipal development plans with normative principles, approach and content in such a manner that each local government can prepare local development plan accordingly.
2. Contributing in the development of Punjab Spatial Strategy (to be developed by the International firm in collaboration with Urban Unit in-house team) which will set out the overall spatial vision including key data and suggested policies related to future spatial development objectives for Punjab.
3. To review the Terms of Reference and Deliverables of the International Firm (to be hired for) developing the Punjab Spatial Strategy.
4. Contributing in the capacity building of core team of Urban Unit through facilitating in learning and knowledge sharing, collaboration and synergies.
5. To support the core team in developing Intermediate Knowledge Products (IKPs) and other outcome reports relevant to the above mentioned tasks.

## **3. REQUIRED QUALIFICATIONS, COMPETENCES AND EXPERIENCE**

### **Qualifications**

- At least Masters Degree in Urban/ Spatial/ Regional Economics (preferably) or Development Economics/ Development studies/ Economic Policy / Development Planning or equivalent. Candidates with higher degree(s) will be preferred.

### **Professional experience**

- At least 15 years of professional experience in spatial economic planning, economic development framework and development of economic policy or any other relevant fields.
- The candidate should have technical command on urban/ development economics, policy development and spatial strategy with sound knowledge of spatial growth frameworks, and expertise in carrying out data analyses.

**TERMS OF REFERENCE**  
**Transport Infrastructure & Connectivity Expert (International)**  
**Punjab Spatial Strategy**

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- Provide a set of normative principles or departure points that guide the Province’s approach to dealing with socio-economic issues that are manifested spatially
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- Guide municipal development plans with normative principles, approach and content

## **2. DUTIES AND RESPONSIBILITIES**

1. To lead & steer the core team in collection of data and development of Punjab Spatial Strategy through:
  - a. Assessing Punjab's existing Transportation Infrastructure, demand, and identifying potential of growth corridors and nodes using spatial and economic analysis
  - b. Identifying infrastructure requirements for the development of the potential industrial estates, zones and clusters for coming 25 year
  - c. Providing guidance in Strategic Transport Infrastructure Needs for the Province for coming 25 years
  - d. Devising a strategic mechanism to improve the quantity and quality of transportation infrastructure to attract/boost public and private sector investments to support economic growth
  - e. Devising solutions for enhancing Inter Urban and Regional connectivity
  - f. Supporting Government of the Punjab in prioritizing and coordinating public investment in transportation and connectivity projects in support of productive industrial and urban development
  - g. Ensuring infrastructure investments are well informed by spatial economic analysis and are well-coordinated
  - h. Extending technical support to all government departments & agencies to improve planning and projects designing related to infrastructure and connectivity.
  - i. Making recommendations based on evidence as well as best practices
2. Contributing in the development of Punjab Spatial Strategy (to be developed by the International firm in collaboration with Urban Unit in-house team) which will set out the overall spatial vision including key data and suggested policies related to future spatial development objectives for Punjab.
3. To review the Terms of Reference and Deliverables of the International Firm (to be hired for) developing the Punjab Spatial Strategy.
4. Contributing in the capacity building of core team of Urban Unit through facilitating in learning and knowledge sharing, collaboration and synergies.
5. To support the core team in developing Intermediate Knowledge Products (IKPs) and other outcome reports relevant to the above mentioned tasks.

## **3. REQUIRED QUALIFICATIONS, COMPETENCES AND EXPERIENCE**

### **Qualifications**

- At least Masters Degree in transportation planning/engineering/Urban and Regional Planning/ Infrastructural Planning or equivalent. Candidates with a higher degree(s) will be preferred.

### **Professional experience**

- At least 15 years of professional experience in infrastructure planning and connectivity i.e. Transport, Energy, Urban Planning, Regional Planning and digital connectivity or equivalent
- The candidate should have technical command on infrastructure development and connectivity, sound knowledge of spatial growth frameworks, and expertise in carrying out data analyses.



# **TERMS OF REFERENCE**

## **Urban Settlements & Housing Expert (International)**

### **Punjab Spatial Strategy**

#### **1. BACKGROUND OF THE PROJECT**

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- Provide a set of normative principles or departure points that guide the Province's approach to dealing with socio-economic issues that are manifested spatially
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- Guide municipal development plans with normative principles, approach and content

## **2. DUTIES AND RESPONSIBILITIES**

1. To lead & steer the core team in collection of data and development of Punjab Spatial Strategy through:
  - a. Assessing existing situation, stock/supply, need/demand and issues/problems of housing and settlements
  - b. Developing a clear set of goals for the housing segment for the Punjab Spatial Strategy
  - c. Devising well-balanced and sustainable regions by bringing job and housing markets closer to each other
  - d. Providing guidance in developing methodology and work plan for cities and housing segment
  - e. Working closely with other sectoral teams to ensure coordinated inputs and technical advice
  - f. Making recommendations for housing sector based on evidence as well as best practices
2. To develop a Comprehensive Housing and Habitat Policy for Punjab Province, which will become part of the overarching Urban Planning Framework
3. Contributing in the development of Punjab Spatial Strategy (to be developed by the International firm in collaboration with Urban Unit in-house team) which will set out the overall spatial vision including key data and suggested policies related to future spatial development objectives for Punjab.
4. To review the Terms of Reference and Deliverables of the International Firm (to be hired for) developing the Punjab Spatial Strategy.
5. Contributing in the capacity building of core team of Urban Unit through facilitating in learning and knowledge sharing, collaboration and synergies.
6. To support the core team in developing Intermediate Knowledge Products (IKPs) and other outcome reports relevant to the above mentioned tasks.

## **3. REQUIRED QUALIFICATIONS, COMPETENCES AND EXPERIENCE**

### **Qualifications**

- At least Masters Degree in Urban and Regional Planning, Public Policy, Housing & Human Settlements or equivalent. Candidates with a higher degree(s) will be preferred.

### **Professional experience**

- At least 15 years of professional experience in Housing related projects or equivalent