



# URBAN AND INFRASTRUCTURE DEVELOPMENT

Urban planning and management, governance & policies, and infrastructure are the core pillars for ensuring liveability and livelihood for more than half of the global population. IPE Global is at the forefront of thought leadership, matched with end-to-end cross-functional service capabilities of an extremely complex, multi-disciplinary sector that will drive economic growth and prosperity in the cities and regions. Our innovative, sustainable and financially-sound services for our clients encompass urban reforms and institutional capacity building, master plans, local economic development, engineering designs, transaction advisory, municipal services and financial management, among other areas. Our expertise is well paced with national and international trends for urban resilience, climate change, city branding, smart cities, eco-tourism, sustainable waste management, innovative construction technologies, waste-to-energy and green buildings.

We have earned a strong reputation for delivery, collaboration and partnerships with our client base consisting of national and state governments in India and internationally, urban local bodies, bilateral organisations, and international donors. We have enriched our management capabilities by leveraging intellectual capital and expertise, built over the years of presence in the sector.

## FOCUS AREAS

URBAN PLANNING AND RE-DEVELOPMENT

URBAN RESILIENCE AND CLIMATE CHANGE

TOURISM, HERITAGE & CONSERVATION

INFRASTRUCTURE AND ENGINEERING

URBAN TRANSPORT AND MOBILITY

SMART CITIES AND MASTER PLANNING

AFFORDABLE HOUSING

WASTE MANAGEMENT AND SANITATION

URBAN REFORMS AND GOVERNANCE

MUNICIPAL FINANCIAL REFORM

LOCAL ECONOMIC DEVELOPMENT

COASTAL ZONE MANAGEMENT PLANNING

COMMUNITY BASED PLANNING

# PROJECTS

## Government of India: Project Development and Management of Smart City Mission (SCM) Projects in Kochi, Jabalpur, Tumakuru, Thiruvananthapuram and Ujjain Cities, India (2016-2020)

IPE Global is managing the transformative city development projects from inception to implementation in the five cities with a collective outlay of over INR 93 billion. More than 3.4 billion city residents will benefit from implementation of nearly 85 sub-projects in Kochi, 91 sub-projects in Jabalpur, 90 sub-projects in Tumakuru, 43 sub-projects in Thiruvananthapuram and 43 sub-projects in Ujjain. Wide range of investments will rebrand and revitalise these cities as destinations for sustainable tourism, economic zones, knowledge hubs, and centres for convergence within larger metropolitan areas. The 'smart initiatives' will be mainstreamed into the urban infrastructure, urban mobility, and soft infrastructure such as command and control centres.

## DFID: Providing Technical Support for Implementation of DFID Technical Assistance for Smart Cities (TASC) Programme, India (2017-2019)

IPE Global is providing strategic advisory support to Ministry of Housing and Urban Affairs (MoHUA) Government of India, and target cities by fostering knowledge exchange with international experts from UK and the region. We are formulating pipeline of financially sound projects with cutting-edge technology for urban rejuvenation, transformation and placemaking. The projects will spur job creation, accelerate poverty reduction, strengthen urban institutions & Smart City Special Purpose Vehicles, and innovation partnerships. The programme builds on synergies of Foreign and Commonwealth Office, UK, funded support to MoHUA to roll-out AMRUT and smart cities mission.

## The World Bank: Capacity Building for Urban Development (CBUD), India (2011-2018)

The World Bank has appointed IPE Global for providing demand driven technical assistance for long term capacity building of 508 Urban Local Bodies (ULBs) covering all states and Union Territories. Under this project we have trained over 17,000 municipal staffs in finance & revenue, engineering & public health, urban planning and administration. We have also provided institutional capacity building reforms in municipal bonds, credit rating, revenue enhancement through property tax and advertisement tax, reducing non-revenue water, and value capture financing. Urban Livability Index of 79 indicators covering 15 categories has also been developed for the first time.

# SERVICES

## INSTITUTIONAL STRENGTHENING AND CAPACITY BUILDING

## TECHNO-ECONOMIC FEASIBILITY

## PROCUREMENT AND CONTRACT MANAGEMENT

## URBAN DESIGN AND PLACEMAKING

## INFORMATION AND COMMUNICATION TECHNOLOGY

## TRANSACTION ADVISORY

## Government of India (GoI): Atal Mission for Rejuvenation and Urban Transformation (AMRUT) in Karnataka, Chhattisgarh and Jammu & Kashmir, India (2016-2021)

IPE Global is assisting the Government of India in improving access to basic services in 41 towns across three states, impacting 22.5 million people to increase quality-of-life of city residents, with focus on poor and underprivileged sections envisaged under AMRUT. IPE Global is strengthening capacities of state and local government agencies in planning and implementing water supply and sanitation systems, sewerage-sewage management, drainage (including Storm Water Drainage), transportation and urban greenery projects. We are managing a portfolio of over 600 projects with estimated project cost of INR 90 billion while working in close association with the State Level Nodal Agencies (SLNA), Urban Local Bodies (ULBs), water boards and other line departments.

## DFID: Project Management for Road Building in Eastern Democratic Republic of Congo (DRC) (2012-2017)

IPE Global delivered project management and fund management services to DFID in building 54 kilometers of gravel roads, drainage and slope stabilisation structures along Sake-Masisi, and Bihambwe, with the objective to reduce income poverty and security in North and South Kivu. The construction activities were carried by local contractors in a time-bound manner, with emphasis on hiring local workers from the community, especially the vulnerable and women workers. It is expected that over a period of time the roads will improve the security and reduce the prices of commodities in the Kivu region by increasing the mobilisation of humanitarian actors and reducing travel times. Extensive stakeholder engagement was carried out with Provincial Government, MONUSCO, and Local Committees for Peace and Development.

## PROJECT DEVELOPMENT, MANAGEMENT AND SUPERVISION

## DETAILED ENGINEERING AND DESIGN

## PUBLIC AND PRIVATE PARTNERSHIP

## GEOGRAPHIC INFORMATION SYSTEM

## MANAGEMENT INFORMATION SYSTEMS

### DFID: Technical Assistance for Implementation of Support Programme for Urban Reforms (SPUR) in Bihar, India (2010-2017)

DFID appointed IPE Global to provide technical advisory support to 28 ULBs and state level Urban Development and Housing Department in Bihar for capacity building to widen coverage of basic urban services. Over a span of seven years, the programme widened access to over 7 million citizens, spearheaded over 9,000 women's Self-Help Groups (SHGs) which have built savings of INR 130 million. Awarded best model/practice for successfully leveraging funds of INR 23 billion from central and state governments and established an enabling environment for cities in Bihar to enter Smart City Mission pool. SPUR was accorded A+ rating by DFID on successful completion of the assignment.

### The World Bank/UNOPS: Somali Urban Investment Planning Project (SUIPP) - Mogadishu Roads Connectivity Assessment and Trunk Drainage Masterplan (2018)

Somali Urban Investment Planning Project (SUIPP) supports the preparation of feasibility studies including preliminary engineering designs of selected urban investments, institutional strengthening and enhanced implementation capacity of municipalities in three cities – Mogadishu, Hargeisa and Garowe. We developed a citywide Trunk Drainage Masterplan for Mogadishu to help map out existing trunk drainage systems and identify gaps in their connectivity and develop topography specific designs. The masterplan will help mitigate unplanned expansion of the drainage system, frequent localised flooding, and road shoulder erosion, among others. This will also ensure that roads built under future urban operations are well maintained. In addition, the masterplan provides Mogadishu municipality an important tool to maximise limited resources and mobilise additional financing for roads and drainage works.

### The World Bank and Ministry of Urban Development & Housing (MUDH), Government of Islamic Republic of Afghanistan: Urban Development Support Project (UDSP) - Housing Supply Assessment in Afghanistan (2018-2019)

To create an enabling policy framework and enhance urban policy-making capacity in the relevant agencies at national-level, the World Bank is assisting the Ministry of Urban Development & Housing (MUDH), Government of Afghanistan in conducting a housing sector study to help inform the development of National Housing Policy and its implementation strategy - National Housing Strategy under UDSP. The current assignment envisages studying supply-side of housing sector in Afghanistan, identifying knowledge gaps, proposing measures contributing to drafting National Housing Policy and National Housing Strategy.

We are carrying out a baseline assessment of the legal framework surrounding the housing sector in Afghanistan; developing relevant short-term and medium-term policies, strategies, and methodologies that can be implemented; and developing management systems and tools to monitor progress. In addition, we are developing a series of reports that provide detailed data and analysis on supply-side topics – developers and construction firms; building materials and techniques; housing typologies and design standards; permitting processes and procedures; developer and construction finance; land release and allocation for housing; infrastructure planning and; market analysis and segmentation.

### DFID: Shaping East African Complex Land Markets in times of Urban Transition (2017-2020)

The objective of the project is to deliver integrated, multi-disciplinary research to help understand and influence political settlements, institutions (formal and informal) and governance in rapidly growing cities in East Africa. The project focuses on the role of complex land markets in delivering sustainable urbanisation in East Africa with a focus on primary and secondary cities in Uganda and Somaliland.

As a consortium member, we are conducting a research to develop practical methodologies for understanding how land markets function, deliver innovative findings and practical policy recommendations to guide oversight and functioning of land markets to better contribute to delivering social and spatial justice. The research is specifically designed to address the dearth of urban research on smaller African cities, whilst building local research capacity, and engaging with local policy makers on issues that impact better urban management. Specifically, we are undertaking a spatial assessment of the historic and physical growth of four cities to inform a more detailed socioeconomic analysis of households and individuals who interact with complex land markets.

### DFID: Cities and Infrastructure for Growth (CIG) - Lot 3 Burma Country Programme (2018-2023)

CIG Burma will deliver demand-driven technical assistance and capacity building to government Ministries, Departments and Agencies (MDAs) at the national and sub-national level. IPE Global, through this project, will provide support to strengthen management of urban and energy sectors and boost investment into infrastructure. The programme will deliver inclusive economic transformation and growth that is climate resilient and contributes to poverty reduction and economic inclusion of disadvantaged groups. IPE Global will be responsible for identification, management and delivery of the technical assistance, to strengthen management of urban, energy and investment, and to help build an investable pipeline of projects.

### The World Bank: Preparation and Capacity Building for implementation of a District Development Plan in Ulaanbaatar, Mongolia (2015)

IPE Global provided support for operationalising a District Development Plan for infrastructure and services in Bayanzurkh pilot district by capacitating local government bodies in exercising its functions. Under this assignment, knowledge dissemination covered strategic prioritisation of planning activities, needs & demands assessments, and an integrated urban planning methodology that could be scaled-up and mobilised in other districts of Ulaanbaatar.

### Ministry of Water, Irrigation & Electricity (MoWIE) Government of Ethiopia: Situation Assessment Study & Preparation of Urban Waste Water Development Plan, Ethiopia (2017-2018)

The Government of Ethiopia (GoE), under One WASH National Programme, aims to increase access to safe water supply to 98 percent for rural areas and 100 percent for urban areas and to provide all Ethiopians with access to basic sanitation. This, in turn, will lead to enhanced hygienic living conditions, an anticipated low incidence of diseases and reduced medical expenses. We conducted the study to assess the wastewater management status of towns having population of over 50,000 souls in Ethiopia including legal, organisational, capacity etc., aspects of the management (excluding the capital, Addis Ababa). The study defined priority criteria for towns to be entitled for wastewater management feasibility study, design and construction. As part of the study, we prepared guidelines to facilitate the implementation of waste water management system in 28 large and medium towns in Ethiopia.

### African Development Bank (AfDB)/Intergovernmental Authority on Development (IGAD): Preparation of IGAD Regional Infrastructure Master Plan (IRIMP) (2018-2019)

IGAD aims to promote regional cooperation and integration among its eight member states (Djibouti, Eritrea, Ethiopia, Kenya, Somalia, Sudan, South Sudan, Uganda) to achieve peace, security and prosperity through increased cooperation in:

- Food security and environmental protection;
- Humanitarian affairs; and
- Economic cooperation and integration.

We are conducting a study to develop an integrated infrastructure masterplan for the IGAD region covering four priority infrastructure sectors, namely Transport, Energy, ICT and Water. The study will constitute a comprehensive strategy for the IGAD Regional Infrastructure Master Plan (IRIMP), which will:

- Facilitate easy intra- and inter- connectivity within the region;
- Stimulate regional economic growth and thereby contribute to poverty reduction; and
- Reduce isolation and promote regional integration and stability.

The study will provide the basis for IGAD to seek development assistance from donors and development partners, and attract private sector financing and guide the process of selection and implementation of regional infrastructure projects.

### Foreign and Commonwealth Office (FCO): City Twinning - Review of India and UK Experience (2017-2018)

City Twinning is a cooperation between the Government of United Kingdom and Government of India to build a more strategic and ambitious urban partnership which brings together governments, businesses, investors and experts to build smarter, more inclusive cities and help cities grow faster. We conducted a detailed research study on India-UK cities twinning which included India- UK partnerships so far, challenges & opportunities of partnerships and benefits of such twinning in urban sector. The study identified the role city twinning plays in India-UK partnerships in terms of trade and investment from past years and parameters which make partnership effective. The study focused on:

- Outlining key evidence and arguments for twinning, including economic benefits, and showcase 3 global best practice examples.
- Reviewing the UK and India experience and opportunities for future UK-India collaboration.