

Infrastructure Professionals Enterprise (P) Ltd. (IPE) is a leading development sector consultancy providing services in the fields of international development, public policy, institutional strengthening and capacity building, governance and public sector reforms, public-private-partnership, fiscal and economic studies, monitoring and evaluation, infrastructure development, legal & regulatory framework, health and social sector and environment initiatives. IPE has been focusing on governance reforms through improving participation, transparency and accountability especially in the pro-poor spending.

With offices across India and United Kingdom, and a representative office in Manila, IPE brings with it a rare mix of international and regional expertise. It has a multi-disciplinary team of experts who have substantial relevant experience and knowledge of ground level realities, problems and issues in the different parts of the world. IPE's pool of resources with staff strength of over 200 full-time professionals and around 300 empanelled consultants brings together experts from diverse disciplines.

IPE has undertaken about 300 assignments across Asia, Africa and Europe in about 20 countries. IPE is an employee owned company and has a current annual turnover of around US\$ 20 million.

Vision Statement

To be respected as an "ideas powerhouse" successfully bringing together cutting edge knowledge and management skills to enable policy changes and reforms in the development sector globally.

Mission Statement

To shape the changing development sector needs to achieve the twin objectives of economic growth and social equity.

Quality Policy

To exceed client expectation by delivering value for money services that lead to the twin objectives of economic growth and social equity through continual improvement of the quality management system.

IPE is a ISO 9001:2000 certified company.



Our Clients Include:

▶ The World Bank (WB)	
▶ Asian Development Bank (ADB)	
▶ United Nations Development Program (UNDP)	
▶ Department for International Development (DFID)	
▶ Japanese Bank for International Cooperation (JBIC)	
▶ United States Agency for International Development (USAID)	
▶ United Nations International Children's Emergency Fund (UNICEF)	
▶ Japanese International Cooperation Agency (JICA)	
▶ Africa Capacity Building Foundation (ACBF)	
▶ Central, provincial and local governments of various countries	

Sectoral Expertise:

- | | |
|---|-----------------------------------|
| ▶ Urban Development | ▶ Social Sector and Resettlement |
| ▶ Water -Sanitation and Solid Waste Management | ▶ Governance and Decentralization |
| ▶ Environment Climate Change & Disaster Management | ▶ Public Private Partnership |
| ▶ Public Sector Management and Administration | ▶ Local Governance |
| ▶ Monitoring and Evaluation | ▶ Research and Training |
| ▶ Institutional Strengthening and Capacity Building | ▶ Health |

Country Expertise

Some of the countries where IPE and its core staff have worked and are working:

- | | | |
|---------------|------------------|------------|
| ▶ India | ▶ Sri Lanka | |
| ▶ Bangladesh | ▶ Bhutan | ▶ Nepal |
| ▶ Maldives | ▶ Pakistan | |
| ----- | | |
| ▶ Afghanistan | ▶ Palestine | |
| ▶ Iraq | ▶ Jordan | |
| ----- | | |
| ▶ Vietnam | ▶ Indonesia | ▶ Thailand |
| ----- | | |
| ▶ Zimbabwe | ▶ Ghana | |
| ▶ Kenya | ▶ Tanzania | |
| ----- | | |
| ▶ Switzerland | ▶ United Kingdom | |

Environment, Climate Change and Disaster Management

'Sustainability' is the key word in today's development world. Right from the ill effects of industrial development on environment to the climate change issues resulting there from, it is clear that the world is for 'change' as long as its long term costs do not outweigh its immediate benefits.

Although a recent addition in IPE's domain, this sector has some small but critical projects that help to make this world an ecologically sustainable reality, not an economically developed mirage.

IPE Offices:

New Delhi (Head Office)
A-10 Green Park,
New Delhi - 110016, India
Ph: (91-11) 26969533,26568607,
Fax: (91-11) 26969478
Email: ipe@ipeglobal.com

Bangalore	Bhopal
Bhubaneswar	Hyderabad
Kolkata	Lucknow
Patna	Chennai

London, United Kingdom
Manila, The Philippines



IPE Project Profile:

Climate Change and Disaster Risk Reduction



Support for the Review of Global Opportunities Fund Climate Change and Energy Bids

The Climate Change and Energy Programme focuses on renewable energy, energy efficiency and energy security and climate change projects focusing on eleven priority countries including India. In this project, 18 detailed proposals were evaluated for funding under the GOF- CCE in India. These proposals included clean energy/energy efficiency; carbon markets; renewable/adaptation/ development links; lobbying negotiation planning; clean coal; specific private sector initiatives etc. These were reviewed keeping in mind the project structure, design, risk, budget, sustainability, institutional capacity and strategic fit and assessed whether the proposals duplicated other activities in the sector or made a new contribution to sector.



Environment and Climate Change and Disaster Risk Reduction - Support Programme for Urban Reforms in Bihar (SPUR)

Bihar is amongst those regions with the highest multiple hazard mortality risk. This state has high levels of poverty and is at risk from regular natural hazards expected to worsen with climate change. Whilst regional co-operation is required to manage risks such as flooding, ULBs have a role to play in identifying local risk and managing it through planning.



This ongoing project is funded by DFID and will impact on the housing and built environment of more than 28 towns in Bihar. The assignment aims to protect and enhance environmental health in 28 urban local bodies in Bihar and focuses on the following additional goals:



1. Protect and enhance environmental health in urban areas in Bihar
2. Protect water, soil and air quality in urban areas from contamination and pollution
3. Prevent and mitigate the impact of natural disasters and climate change
4. Improve urban environment quality and public health in SPUR towns
5. Minimise urban impacts on natural resources at a regional scale.
6. Minimise greenhouse gas emissions, waste, noise and pollutants from urban areas.

The activities involve:

- Environmental Profile will be developed for each ULB (air, water, soil monitoring and vulnerability assessment and emission profile),
- Rainwater harvesting in government buildings (UDHD & Patna Municipal Corporation)
- Installation of solar panels
- Solid was management, Identification of landfills and Environmental Impact Assessment of the selected regional landfills, controlling possible methane emissions from dumped solid waste
- Environment and public health awareness for the community through community mobilization plans
- Emergency disaster risk response /mitigation plan
- Procurement of equipment in the Kosi affected towns of Madhevpura, Forbesganj, Birpur and Muraliganj
- Redevelopment of Motihari Jheel



Environment and Climate Change in Design and Implementation of Bihar Health Sector Reform Strategy - Management and Technical Support

The study aims at developing a framework to identify impact of the Bihar Health Sector Reforms Programme on the environment. The study examines the institutional set-up for existing government agencies in-charge of the environment and disasters and their links with the focus areas for the Programme and the key departments involved i.e. Department of Health (DoH), Social Welfare Department (SWD) and Public Health Engineering Department (PHED). It examines the impact of project interventions on the environment, climate change (CC) and disasters and their impacts on the project. The Bihar Health Sector Reform Programme would through its various interventions reduce vulnerability of people to climate change and disasters with improved nutrition and assured potable drinking water and health services.

Environmental and Social Assessment



Environmental Impact Assessment and Social Assessment in Integrated Urban Development Madhya Pradesh

The primary objective of the TA was to prepare a project to promote sustainable growth and poverty reduction in the six Project cities of Bhopal, Gwalior, Indore, Jabalpur, Ratlam and Ujjain, and thereafter in the other cities of the state. The cities are centers of administration, commerce, and industry, with environmental problems similar to those affecting most large cities in the subcontinent: (i) lack of continuous and reliable water supply; (ii) lack of an adequate network for disposing of storm water or wastewater; and (iii) general widespread pollution caused by improper disposal of human, domestic, and industrial waste. As part of the project Initial Environmental Examination and environmental impact assessments/IEE and social assessment were carried out according to ADB guidelines. The IEEs review was carried for all proposed components potential environmental problems associated with location, design, construction stage, and operation and concluded that overall the project will improve the health and sanitation of the communities in six cities and strengthen the environmental planning, management, and monitoring functions of the ULBs.



Bhutan State of Environment, City Development Strategy and National Urbanisation Strategy, Thimphu

The project looks at developing a State of the Environment Report for Thimphu City, ensuring accuracy in environmental decision making at local level through data management based on review / analysis of the physical, socio-economic and environmental situation in urban areas in Bhutan. The project looks at development of National Urbanization Strategy for Bhutan to facilitate the government in ensuring a sustainable and regionally balanced urban development. Policy and institutional reforms were formulated to implement the city's vision of economic growth and employment in an environmentally friendly manner.



Environment Management under City Development Plans (CDP): Gujarat, Tamil Nadu, Madhya Pradesh, Bihar

City Development Plans are prepared to access funds to enable systematic development with futuristic planning. The CDP's also focus on the environment and climate change aspects of the cities. The studies include assessment of environmental quality with respect to air, water and soil, natural resources (water, forest etc) physiographic, climatic condition (temperature, relative humidity, rainfall, and wind direction geology, topography and terrain etc. The impact on these environmental parameters due to future development of city. CDPs also look into formulating strategies for multiple hazard mitigation (reducing vulnerability, risk, loss, and damage); environmental sustainability (reduce waste to landfill, demand management, greenhouse gas emission reduction-water energy and waste); and strategies for conservation, preservation and restoration of natural resource in compliance with national policies.

Solid Waste Management

Management of Solid Waste in Indian Cities' and 'Cost of Provision of Sewerage, Waste Water Treatment and Drainage' - The Twelfth Finance Commission

The study on 'Management of Solid Waste in Indian Cities' looks at exploring environmental and financial sustainability of innovative practices in waste management like segregation leading to composting and recycling, waste-to-energy practices, etc. It also aims at studying existing schemes and planned support in this sector and explores possibility of converging the support which may be considered by the Twelfth Finance Commission.



SWM Learning Program in India

The program aims at improving the capacity of government officials and solid waste specialists to implement integrated and sustainable SWM systems. It also aims at promoting national and regional networks of specialists and practitioners to improve the exchange of ideas and dissemination of best practices, linking those with existing international solid waste associations, and upgrading the profession of local solid waste managers, operators, contractors, and consultants.



Pilot Project on SWM under National Strategy for Urban Poor- NCR Component, UNDP-GOI Project, 2005-2007

The aim of the project is to establish an effective, efficient, affordable, safe and sustainable waste management system in the resettlement area and establish linkages with waste recycling options to promote income generation activities. This would be achieved by implementing a reform action plan for the SWM system, explore linkages of revenue generation activities with community waste management systems and creating linkages between community and service providers, by conducting citizen surveys.



Pilot Project on Segregation of Household Waste

The Municipal Corporation of Delhi (MCD) with support from the JICA initiated a 'Pilot Project for Household Segregation of Solid Waste' in New Delhi. This Project had a dual objective of tracing process of household waste segregation and collection of data and related information, to chart out MCD's actual implementation plan in near future. The present assignment undertook development of an effective system of household waste segregation and collection as a pilot project.



IPE Key Personnel

Mr. Ashwajit Singh

(Masters: Analysis, Design & MIS, London School of Economics, U.K.; Certified Internal Auditor, U.S.A; Company Secretary, ICSI; Chartered Accountant, ICAI; B.Com (Hons))

An urban infrastructure finance and municipal development fund specialist Ashwajit Singh has over 25 years of relevant experience in over 25 large-scale projects as lead sector expert involving areas such as urban infrastructure funds, municipal finance, municipal and infrastructure bonds, financial and fiscal analysis, treasury and cash flow management, private sector participation, capital and debt markets, local government financial management, institutional development and capacity building. As a Team Leader/Project Director/Peer Review, Ashwajit has led many complex urban infrastructure finance projects in India, Sri Lanka, Bangladesh, Bhutan, Afghanistan, Indonesia, Vietnam, Zimbabwe, Ghana and Tanzania.

Mr. P. U. Asnani

(LLB from Sir L A Shah Law College, Ahmedabad, B.Sc from Dharmendra Shinghji College, Rajkot)

P.U.Asnani brings with him around 25 years of relevant experience as a Solid Waste Management (Legal and Policy) Expert. Apart from working as a consultant to donor agencies across Asia on urban management projects, he has served as the Assistant Commissioner of Ahmedabad Municipal Corporation (AMC) for around 15 years, and brings with him hand-on understanding and experience of working in the municipal reform environment. He was appointed on the expert panel to study the existing situation of SWM in 300 Class I cities of India and suggest improvements. He also wrote a major part of the National Manual on SWM and worked on technology advisory group constituted by the Government of India, MoUD.

Mrs. Veena Garella

(Masters degree in Town and Country Planning (Specialization in Urban and Regional Planning), School of Planning and Architecture, New Delhi; B. Arch (Honours), College of Architecture, Chandigarh)

Prof. Veena Garella has more than 30 years of experience in Capacity Building and training. As an academician she was attached for 23 years as a Professor in School of Planning & Architecture, New Delhi and was associated with diverse development and aided agencies like UNICEF, Trondechein, Oxford Brooking. She guided research projects in approx 50 cities in India on diverse subjects of urban development, environment improvement, master plan, heritage conservation, city metropolitan planning, regional planning, and poverty studies in informal sector, and CDPs.

Ms. Sriparna Sanyal Iyer

(Master of Planning (Environment), School of Planning & Architecture, New Delhi, (Gold Medal); M Sc. Geography (specialization in Regional Planning), University of Kolkata; B Sc. (Honors) Geography, University of Kolkata)

Sriparna has over 15 years of experience in Project planning, development, management and implementation across a range of sectors, including pro-poor service delivery, with emphasis on institutional issues in both rural and urban sector. She has an extensive experience of working with various donors like DFID, UNICEF, SIDA and other national and state government agencies. As team leader for Assessment of Municipal Corporation of Delhi's community sanitation programme for the urban poor, she identified the bottlenecks to service delivery – institutional, infrastructural, social, cultural and financial- and recommended management options for improved service delivery.

Mr. Anil Bansal

(M.Tech Environmental Science & Engineering, M.Sc. Environmental Sciences, G.J.University Hisar; PGDM, All India Management Association; ISWA certified International Waste Manager)

Anil Kumar Bansal is a certified Waste Manager with ISWA and has undertaken major assignments in India - SWM Learning Program being implemented in ten states of India initiated by the World Bank Institute, SWM theme, National Strategy for Urban Poor, UNDP; and Preparation of DPR on SWM for Varanasi, Coimbatore, 34 towns of Jharkhand, Dehradun, Nainital, Haridwar and Lucknow as part of JNNURM initiative. He also worked as an expert for biomedical waste management in the Basic Health System Development Project (Himachal - GTZ and Uttaranchal -WB)

Mr. Satish Chand Agarwal

(M.E. (Environment Engineering) Honors, MNIT, Jaipur; B. Tech. (Civil) with Distinction, NIT Waranga;)

Satish Chand Agarwal has around 26 years of relevant experience in Procurement, Urban Infrastructure Project Management and Environment management (Waste Water & Solid Waste Management). He is presently working as in DFID funded Support Program for Urban Poor (SPUR) in Bihar, responsible for providing technical assistance to Government of Bihar in development of Infrastructure facility like improved water supply system, sustainable sewerage management system, solid waste management, improvement of urban drainage system and environment quality.

Mr Hitesh Vaidya

(Diploma in Urban Management, I H S Rotterdam; Post-Graduate Diploma, Urban Development & Planning, University of Pune; Bachelor of Arts, Public Administration, University of Himachal Pradesh)

An urban management and governance expert by qualification and profession, Hitesh has seventeen years of experience in the field of urban management, urban governance including in its ambit project management, service delivery, local government finance and capacity building.

Ms. Madhushree Dutta

(Masters in Environmental Planning, School of Planning & Architecture; Bachelors of Architecture, G.G.S.I.P University)

An architect and an environmental planner, Madhushree has been working as a Project Architect in IPE and is involved in major housing and slum development assignments under JNNURM supporting various state ULB's. She has worked extensively on various Basic Services to Urban Poor (BSUP) and Integrated Housing and Slum Development Project (IHSDP) projects in the states of Jharkhand, Uttar Pradesh, & Tamil Nadu.