

# Sectors of operation

## Agri and food infrastructure



- Agribusiness policy & strategy
- Agri clusters & agri corridor
- Agribusiness investment regions
- Hi-tech cultivation
- Post harvest infrastructure
- Food processing zone
- Food processing plant
- Agro & food market infrastructure

## Area development



- Industrial growth centres
- Industrial cluster
- Industrial corridor
- Industrial parks
- Integrated township
- Special economic zones
- Special investment region

## Capacity building & skill set development



- Sustainable development practices
- Knowledge partnership with Government
- Skill set development
- Environment corporate policy
- Off site and on site training
- Knowledge based initiatives

## Industrial infrastructure



- Utilities
- On site and off site infrastructure
- Common services hub
- Environment infrastructure

# Sectors of operation

## Industrial plants and systems



- Foundation
- Buildings and structures
- Utilities for process and non process industries
- Green practices
- Industrial waste management

## Institutional studies



- Sector reforms
- Capacity building
- Restructuring
- PPP advisory
- Sector strategies and investment promotion

## Marine infrastructure



- Port & harbour structures
- Marine foundations
- Cargo and material handling systems
- Dedicated offshore terminals for coal handling
- Ship building and ship repair complex
- Fish landing centres
- Fishing harbour

## Natural disaster management



- Green field rehabilitation clusters
- In-situ rehabilitation
- Eco friendly villages
- Community development

# Sectors of operation

## Renewable energy and sustainability studies



- Ecological conservation
- Alternative & renewable energy studies
- Engineering for solar PV plants
- Solar parks
- Sustainability assessment studies
- Sustainable infrastructure and operation studies

## Rural infrastructure & integrated community development



- Provision of urban amenities in rural areas
- Rural hubs
- Rural clusters
- Community development
- Integrated development

## Social infrastructure



- Affordable housing
- Education and knowledge hubs
- Integrated townships and smart cities
- Low cost housing for urban poor
- Slum free city development

## Tourism infrastructure



- Circuit development
- Destination development
- Island development
- Special tourism zones
- Theme based tourism development
- Tourism projects

# Sectors of operation

## Transportation and logistics



- Airport runway & structures
- Air cargo complex
- Civil aviation plan
- Container freight station and logistics park
- Free trade ware housing zone
- Transport terminal structures

## Urban civic infrastructure



- Urban infrastructure planning studies
- Urban infrastructure design and engineering
- Smart cities development
- Urban water supply
- Urban sewerage
- City and municipal waste management
- Land fill

## Urban mobility



- Traffic surveys & studies
- Transport management studies
- Intelligent transportation system
- Multi level car parking
- Skywalks and bridges

## Water & wastewater



- Water resources development
- Hydraulic structures
- Water treatment & supply
- Wastewater conveyance and treatment
- Recycling
- Water conservation program

# Sectors of operation

| Sectors of operation   | Expertise areas | Concept planning | Engineering investigations, studies | Architecture and planning | Ground engineering, ground improvement | Market demand assessment & forecast | Feasibility studies, detailed project report | Master planning | Environment analysis, environment Impact, sustainability studies | Sourcing of technology suppliers, identification of joint venture partners | PPP & SPV modelling for infrastructure projects | Procurement advisory, transaction advisory PPP, bid process management | Design and detail engineering | Project and program management | Statutory & regulatory compliance | Pre-commissioning trials, performance & acceptance testing, third party inspection | Operation & maintenance studies and support | Capacity building and training, knowledge partner services |
|--|-----------------|------------------|-------------------------------------|---------------------------|--|-------------------------------------|--|-----------------|--|--|---|--|-------------------------------|--------------------------------|-----------------------------------|--|---|--|
| <b>Industrial infrastructure</b> – Industrial corridor, special investment region, area development, special economic zones, industrial parks, industrial growth centres, industrial cluster etc |                 | ●                | ●                                   | ●                         | ●                                      | ●                                   | ●  | ●               | ●  | ●  | ●   | ●  | ●                             | ●                              | ●                                 | ●  | ●   | ●  |
| <b>Water and wastewater sector</b> – Water resources development, irrigation, urban & rural water supply, industrial water supply and in plant water supply systems                              |                 | ●                | ●                                   | ●                         | ●                                      | ●                                   | ●  | ●               | ●  | ●  | ●   | ●  | ●                             | ●                              | ●                                 | ●  | ●   | ●  |
| <b>Urban infrastructure</b> – smart cities, water supply, sewerage, municipal solid waste management, slum free city development   |                 | ●                | ●                                   | ●                         | ●                                      | ●                                   | ●  | ●               | ●  | ●  | ●   | ●  | ●                             | ●                              | ●                                 | ●  | ●   | ●  |

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| <b>Urban transportation</b> - Traffic surveys, roads, multilevel parking, modern bus transit system & terminals, logistics terminal  | ●                | ●                                   | ●                         | ●                                      | ●                                   | ●  | ●               | ●  | ●  | ●   | ●  | ●                             | ●                              | ●                                 | ●  | ●   | ●  |
| <b>Energy</b> - Solar power on grid projects, coal handling facilities for thermal power plants, alternative & renewable energy projects   | ●                | ●                                   | ●                         | ●                                      | ●                                   | ●  | ●               | ●  | ●  | ●   | ●  | ●                             | ●                              | ●                                 | ●  | ●   | ●  |
| <b>Tourism infrastructure</b> - Destination development, circuit development, infrastructure development, special tourism zones, island development, theme based tourism development | ●                | ●                                   | ●                         | ●                                      | ●                                   | ●  | ●               | ●  | ●  | ●   | ●  | ●                             | ●                              | ●                                 | ●  | ●   | ●  |

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|   | Concept planning | Engineering investigations, studies | Architecture and planning | Ground Engineering, ground improvement | Market demand assessment & forecast | Feasibility studies, detailed project report | Master planning | Environment analysis, environment impact, sustainability studies | Sourcing of technology suppliers, identification of joint venture partners | PPP & SPV modelling for infrastructure projects | Procurement advisory, transaction advisory PPP, bid process management | Design and detail engineering | Project and program management | Statutory & regulatory compliance | Pre-commissioning trials, performance & acceptance testing, third party inspection | Operation & maintenance studies and support | Capacity building and training, knowledge partner services |
| <b>Transportation sector</b> - Highways and bridges, ports & waterfront, ship building and ship repair complex, cargo handling systems, dedicated offshore terminal, airport runway and engineering structures, air cargo complex, ropeways | ●                | ●                                   | ●                         | ●                                      | ●                                   | ●  | ●               | ●  | ●  | ●   | ●  | ●                             | ●                              | ●                                 | ●  | ●   | ●  |
| <b>Environment and sustainability studies</b> , environment infrastructure elements   | ●                | ●                                   |                           | ●                                      |                                     | ●  | ●               | ●  | ●  | ●   | ●  | ●                             | ●                              | ●                                 | ●  | ●   | ●  |
| <b>Industrial plants and systems</b> , buildings, facilities, utilities for process and non process industries  | ●                | ●                                   | ●                         | ●                                      | ●                                   | ●  | ●               | ●  | ●  |   | ●  | ●                             | ●                              | ●                                 | ●  | ●   | ●  |

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| <b>Agri and rural infrastructure and integrated development</b> – Agribusiness, post harvest infrastructure, cold chains, agribusiness investment regions, agri clusters, agri corridor, common processing centres, food parks, terminal markets, PURA clusters, community development, fish landing centres, integrated development etc | ●                | ●                                   | ●                         | ●                                      | ●                                   | ●  | ●               | ●  | ●  | ●   | ●  | ●                             | ●                              | ●                                 | ●  | ●   | ●  |
| <b>Social infrastructure</b> – Mass housing, residential townships and complex, hospitals, integrated mega township, education and knowledge hubs, RAY projects  | ●                | ●                                   | ●                         | ●                                      | ●                                   | ●  | ●               | ●  | ●  | ●   | ●  | ●                             | ●                              | ●                                 | ●  | ●   | ●  |



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|---|------------------|-------------------------------------|---------------------------|--|-------------------------------------|--|-----------------|--|--|---|--|-------------------------------|--------------------------------|-----------------------------------|--|---|--|
| Natural disaster rehabilitation and infrastructure – Earthquake, tsunami, flood, cyclone and other natural hazards              | Concept planning | Engineering investigations, studies | Architecture and planning | Ground Engineering, ground improvement | Market demand assessment & forecast | Feasibility studies, detailed project report | Master planning | Environment analysis, environment impact, sustainability studies | Sourcing of technology suppliers, identification of joint venture partners | PPP & SPV modelling for infrastructure projects | Procurement advisory, transaction advisory PPP, bid process management | Design and detail engineering | Project and program management | Statutory & regulatory compliance | Pre-commissioning trials, performance & acceptance testing, third party inspection | Operation & maintenance studies and support | Capacity building and training, knowledge partner services |
| Institutional studies, capacity building, infrastructure and sector development policies, procurement, PPP transaction advisory | ●                | ●                                   |                           |  | ●                                   | ●  | ●               | ●  |  | ●   | ●  | ●                             | ●                              | ●                                 |  |   | ●  |