



# COMPENDIUM OF INVESTMENT PROJECTS



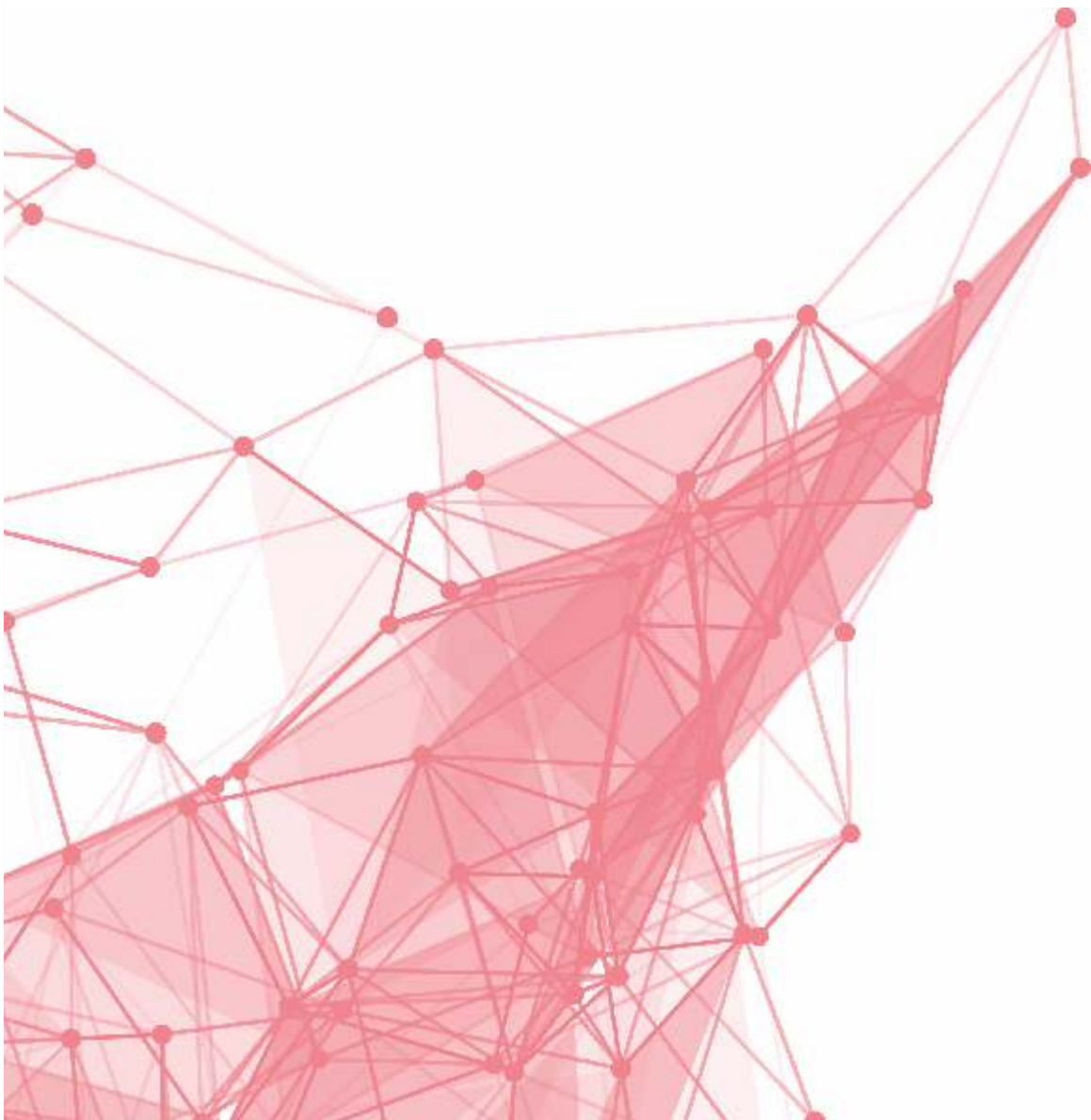
Government of Odisha

 **DISHA**  
NEW OPPORTUNITIES



# COMPENDIUM OF INVESTMENT PROJECTS





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# Foreword



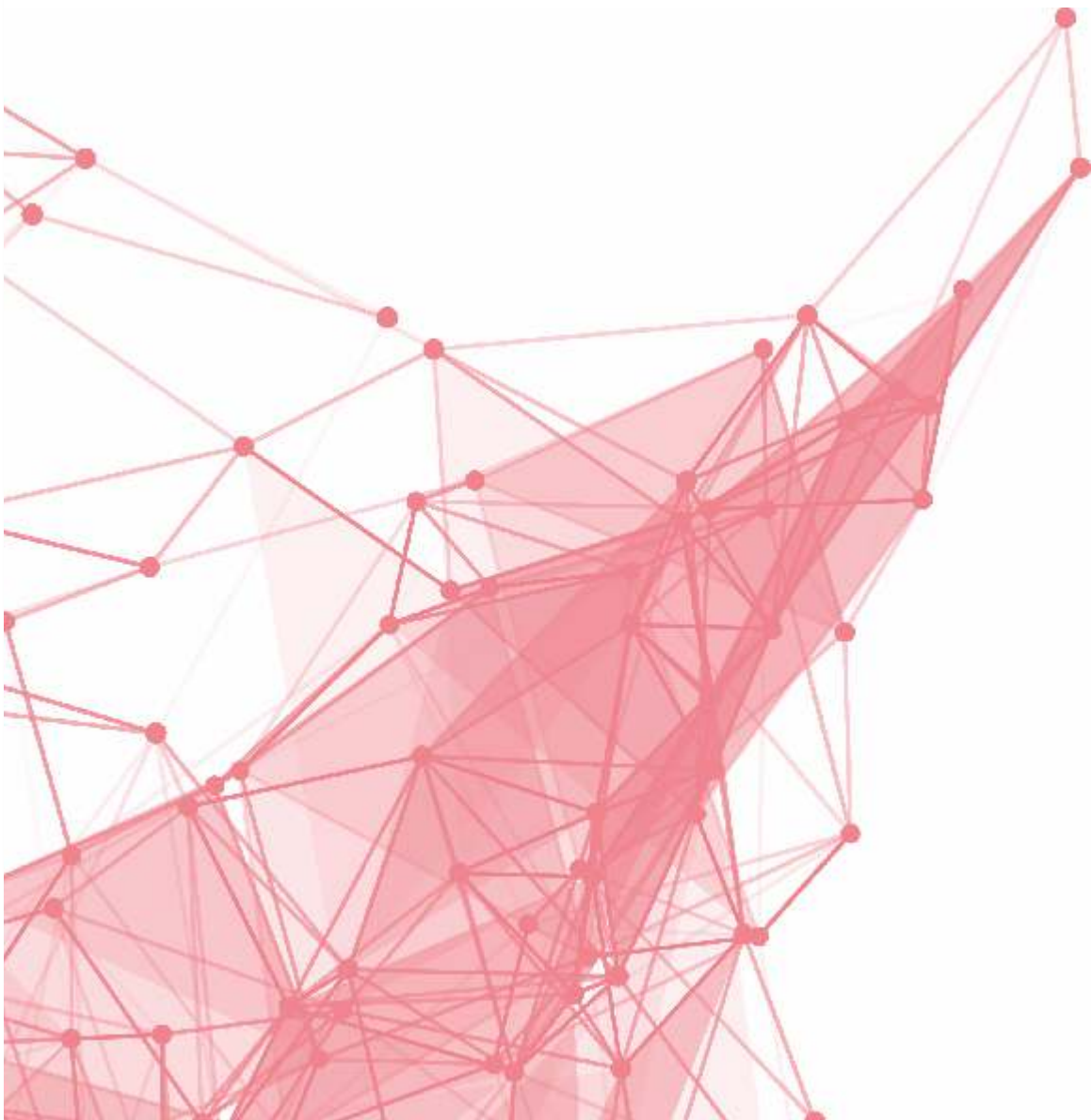
Odisha is fast emerging as the manufacturing hub of the East in India through its industry friendly environment and policy framework. With a rich maritime trade history and one of the largest major ports of the country at Paradip, Odisha is the eastern gateway to the ASEAN region.

The State has been a well-known mineral hub of the country. In the recent past, the State has undertaken a series of initiatives to broad-base the industrial development by attracting investments across diversified sectors with significant potential. My Government has launched Odisha Industrial Development Plan: Vision 2025 with focused attention on 5 sectors which aims to attract investments to the tune of Rs. 2.5 lakh crore and generate direct & indirect employment opportunities for 30 lakh people.

On the back of these initiatives, numerous opportunities for investments have opened up for investors across different sectors. This compendium includes key features of investment projects in sectors and areas including industrial parks, textiles, healthcare, logistics, transport, information technology, electronics manufacturing, food processing, urban infrastructure, smart city, chemicals, petrochemicals, plastics, energy, tourism and downstream industries.

Odisha is committed to ensure "investor delight" and welcomes entrepreneurs and investors from across the globe for a mutually rewarding engagement.

**Naveen Patnaik**  
Chief Minister



INDUSTRIAL PARKS /  
INFRASTRUCTURE

# 1. Industrial Parks / Infrastructure

## 1.1. Aluminium Park - Angul

<b>Name of Project</b>	<b>Aluminium Park, Angul</b>
<b>Project Location</b>	Tulasaipal, District: Angul
<b>Area of the Project</b>	223 acres
<b>Approx. Project Cost</b>	INR 99.6 crore (USD 15 million)
<b>Focus Sector</b>	Manufacturing, Ancillary and Downstream Activities
<b>Employment</b>	Approx. 5,000
<b>Status of Approvals</b>	The Angul Aluminium Park has received final approval under Modified Industrial Infrastructure Up-gradation Scheme (MIUS) of the Department of Industrial Policy and Promotion (DIPP).
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Self-contained facility with committed feedstock of metal for the industries.</li><li>• The project is strategically located and, for the first time in the sub-continent, the molten aluminium can be directly obtained from the smelter.</li><li>• The project is surrounded by industrially developed region and well- established presence of suppliers of raw materials, spares, buyers and other associated services</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Significant downstream and ancillary investment opportunities in the value added products to cater to white goods, auto components, construction and other industries.</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• The site is located about 4 km from NH-42</li><li>• Railway siding abutting the development</li><li>• Bhubaneswar International Airport is at a distance of about 100 kms.</li><li>• Paradip port is situated 174 km from the project site.</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• The water requirement will be met through the perennial Brahmani River which flows near the site.</li><li>• The Government of Odisha assures 24x7 availability of the required power via the National and State power grids.</li><li>• Logistics infrastructure facility will be developed within the park with secured parking lots and 24x7 surveillance system</li></ul>
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO)

## 1.2. National Investment and Manufacturing Zone, Kalinganagar

<b>Name of Project</b>	<b>National Investment and Manufacturing Zone</b>
<b>Project Location</b>	District: Jajpur, Town: Kalinganagar
<b>Area of the Project</b>	160 Sq.km
<b>Approx. Project Cost</b>	INR 6,500 crore (USD 972 million)
<b>Focus Sector</b>	Manufacturing, Ancillary and downstream
<b>Employment</b>	Approx. 1,50,000 (Direct) and 3,00,000 (Indirect)
<b>Status of Approvals</b>	Final approval from the Government of India obtained.
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• The project is spread over 40,000 acres (160 Sq.km) of land with over 23,000 acres (86 Sq.km) designated as industrial area.</li><li>• The project is an integrated development which provides a conducive environment for manufacturing, symbiotic ecosystem built around the existing steel plants (TATA Steel, JSL, Visa Steel, MESCO, NINM, etc.)</li><li>• The project has strong forward and backward linkages and ready availability of developed industrial land at competitive price</li><li>• The zone with its proximity to Paradip and Dhamra ports provides a competitive advantage to access the ASEAN markets</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Manufacturing of Electrical Machinery and Equipment</li><li>• Auto component manufacturing</li><li>• Energy and process equipment</li><li>• Engineering machinery</li><li>• Hot and cold rolled products</li><li>• Foundries, fabrication, machining and precision equipment</li><li>• Products for building and construction sector</li><li>• Infrastructure Development particularly social infrastructure</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• NH – 215 connects the zone to the national road network</li><li>• The zone is adjacent to the Jajpur - Keonjhar Road Railway Station.</li><li>• Bhubaneswar International Airport is about 100 kms away.</li><li>• Paradip Port is the nearest port at 127 kms.</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• 1000 MW of power requirement will be met by the Government of Odisha</li><li>• 215 MLD of water supply will be met by a perennial river source</li><li>• Common Warehousing Unit integrated with a Packaging Unit, Loading and unloading docks, Logistics infrastructure facility with weigh bridge, secured parking lots, and 24/7 surveillance system</li></ul>
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO)

## 1.3. Downstream Parks for Steel based units

<b>Name of Project</b>	<b>Downstream Parks for Steel based units</b>
<b>Project Locations</b>	<ol style="list-style-type: none"><li>1. Jharsuguda</li><li>2. Rourkela</li><li>3. Kalinganagar</li><li>4. Barbil</li><li>5. Paradip</li><li>6. Dhenkanal</li><li>7. Sambalpur</li></ol>
<b>Approx. Project Cost</b>	INR 1200 crore (USD 179 million) towards infrastructure development
<b>Area of the Project</b>	500 acres
<b>Employment</b>	Approx. 5000
<b>Mode of Development</b>	Government/Public Private Partnership
<b>Investment Opportunities</b>	Development of the built infrastructure, Operation and Maintenance
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO)

## 1.4. Development of District-level Mini Tool Rooms

<b>Name of Project</b>	<b>Development of District-level Mini Tool Rooms</b>
<b>Project Locations</b>	<ol style="list-style-type: none"><li>1. Jharsuguda</li><li>2. Rourkela</li><li>3. Keonjhar</li><li>4. Paradip</li><li>5. Dhenkanal</li><li>6. Angul</li><li>7. Jagatsinghpur</li><li>8. Jajpur</li><li>9. Sambalpur</li></ol>
<b>Approx. Project Cost</b>	INR 90 crore (USD 13.5 million)
<b>Area of the Project</b>	20 acres for each Mini-tool Room
<b>Mode of Development</b>	Government/Public Private Partnership
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• In order to facilitate technology up gradation in the downstream units in the metal and metal based fabrication sector, district level mini-tool rooms are envisaged in all the major districts with high concentration of downstream industries in metal based works.</li><li>• These tool-rooms will provide common facilities in CAD/ CAM/ CAE Machines etc., services for product design and development, design and fabrication of molds and dies, design and manufacturing of press tools, gauges, metal components, jigs and fixtures, providing skill development training programmes in tools and dies etc.</li><li>• The Ministry of Micro, Small and Medium Enterprises already has a scheme for setting up of new mini-tool rooms under the public private partnership route. Under this scheme, Mini-tool rooms to be set up by State Governments in cooperation with NGOs (SPVs) who will run the projects on mutually agreed terms.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Development of the built infrastructure, Operation and Maintenance,</li></ul>
<b>Nodal Agency</b>	Odisha Small Industries Corporation (OSIC)



## 1.5. Setting up Technology Facilitation Centre as a networking hub

<b>Name of Project</b>	<b>Technology Facilitation Centre</b>
<b>Project Location</b>	All districts of Odisha
<b>Approx. Project Cost</b>	INR 90 crore (USD 13.5 million)
<b>Area of the Project</b>	To be housed in DICs
<b>Mode of Development</b>	Public Private Partnership
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Department of MSME, Government of Odisha along with the Skill Development and Technical Education Department, in association with institutes of repute, such as Biju Patnaik National Steel Institute, Puri can set up Technology Facilitation Centers to develop courses and modules for adoption of technology by the MSMEs.</li><li>• The Technology Facilitation Centers will be housed within the DIC offices at the district level under the purview of the General Manager, DICs, with representation from eminent technology colleges, ITIs, technology consultants and Training Service Providers (TSPs).</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Skill development and development of Technology Facilitation Centers</li></ul>
<b>Nodal Agency</b>	Department of Skill Development and Technical Education, Department of MSME

## 1.6. Port Based Manufacturing Zone at Dhamra

<b>Name of Project</b>	<b>Port Based Manufacturing Zone, Dhamra</b>
<b>Project Location</b>	Dhamra, District: Bhadrak
<b>Area of the Project</b>	7,500 acres
<b>Approx. Project Cost</b>	INR 5,000 crore (USD 748 million)
<b>Focus Sector</b>	Multi-sector Manufacturing
<b>Employment</b>	Approx.50,000 (direct), 1,50,000 (Indirect)
<b>Status of Approvals</b>	In-principle approval accorded by Government of India
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Dhamra is one of the deepest sea ports in India.</li><li>• The proposed manufacturing zone is proposed as an integrated manufacturing zone comprising of industrial, commercial, residential and associated activities on a self-contained basis complemented with a logistics hub.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Development of essential infrastructure for the zone</li><li>• Investments in manufacturing industries in ancillary and downstream</li><li>• Auto components and other machineries</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• The zone 62 kms away from NH-5</li><li>• The port is connected by rail with the required railway siding</li><li>• The nearest airport is at Bhubaneswar, 143 kms away. An airstrip is proposed to be constructed within the zone in the future.</li><li>• Existing Dhamra Port</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• A 100 MLD desalination plant is proposed to be built within the zone to cater to the requirement of 250 MLD.</li><li>• 1000 MW requirement will be met by the Government</li><li>• Logistic hub will be created within the zone, with required parking and surveillance</li></ul>
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO)

## 1.7. Development of Industrial Park under SIPC Master Plan, Paradip

<b>Name of Project</b>	<b>Development of Industrial Park under SIPC Master Plan</b>
<b>Project Location</b>	Paradip Port, District: Jagatsinghpur
<b>Approx. Project Cost</b>	INR 500 crore – INR 800 crore (USD 75 million – 120 million)
<b>Focus Sector</b>	Port based Industrial Development
<b>Employment</b>	Approx. 20,000 – 25,000
<b>Status of Approvals</b>	Master Plan for the SIPC is in final stages of approval
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Sagarmala project of Govt. of India is a strategic and customer-oriented initiative to modernize India's Ports and encourage port-led development. Under this Paradip Port have been identified for developing into Smart Industrial Port City (SIPC).</li><li>• Paradip Smart Industrial Port City (SIPC) is envisaged on a land of around 1600 acres. Industrial park is one of the project components under SIPC for which around 300 acres have been identified.</li><li>• This Park is envisaged to cater to different categories of industries based on the market demand.</li><li>• At present PPT is planning to set up a Timber based industrial park, an edible oil park, a solar park and a sea food park</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Timber based industrial park,</li><li>• Edible oil park,</li><li>• Solar park</li><li>• Sea food park</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• The nearest railway station is situated Paradip town at about 10kms from the port</li><li>• The project site is situated 120 kms from Bhubaneswar International Airport</li><li>• The project is situated within Paradip Port Area</li></ul>
<b>Nodal Agency</b>	Paradip Port Trust (PPT)

## 1.8. Multi Product SEZ at Gopalpur by TATA Steel

<b>Name of Project</b>	<b>TATA Steel SEZ at Gopalpur</b>
<b>Project Location</b>	Near Chatrapur Square , District: Ganjam
<b>Focus Sector</b>	Multi product SEZ
<b>Status of Approvals</b>	Notified SEZ
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• The project is planned on 2970 acres (1202 Ha) of contiguous land, strategically located near Gopalpur Port area in Ganjam District of Odisha</li><li>• First multi-product SEZ in the eastern part of the country</li><li>• 1250 acres of SEZ and 1720 acres of DTA area</li><li>• Developed roads, utilities and other infrastructures to be provided by developer.</li><li>• Site enjoys access to a significant export catchment comprising East Asian countries</li><li>• Adequate availability of Skilled manpower in the catchment</li><li>• Established Power Supply sourced from Govt. of Odisha at competitive rate of INR 5.02/ kwh</li><li>• Water commitment - perennial water supply</li><li>• Tata Steel has already committed anchor investment of INR 800 crore for setting up a 55000 TPA High Carbon Ferro-chrome Plant in an area of 400 acres</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Defence and Aerospace</li><li>• Electrical and Electronic manufacturing</li><li>• Basic and Light Metal Fabrication</li><li>• Warehousing and Logistics</li><li>• Textile and wearing apparel</li><li>• Chemical and Pharmaceuticals</li><li>• MSME Sectors</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• Road: The site is abutting NH-5 which connects Kolkata and Chennai. Capital city Bhubaneswar is 180 kms from the project site (3 hour drive)</li><li>• Rail: Rail access through Berhampur Railway Station, 15 kms away</li><li>• Port: 1 km from Gopalpur port, 220 kms from Paradip port and 290 kms from Vizag port.</li><li>• Air: International connectivity through Bhubaneswar International Airport which at 3 hours distance from the site. There is an operational airstrip nearby which is operated by defence forces.</li></ul>
<b>Nodal Agency</b>	TATA Steel Special Economic Zone Ltd.

## 1.9. City-side Development for Bhubaneswar Airport, Bhubaneswar

<b>Name of Project</b>	<b>City-side Development for Bhubaneswar Airport, Bhubaneswar</b>
<b>Project Location</b>	Within premises of Bhubaneswar International Airport
<b>Approx. Project Cost</b>	For Site 1: INR 150 crore (USD 23 million) For Site 2: INR 500 crore (USD 75 million)
<b>Area of the Project</b>	For Site 1: 7.16 acre For other 2 sites : 52.4 acre
<b>Mode of Development</b>	Public Private Partnership
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• AAI intends to develop world class self-sustaining integrated development catering to the needs of passengers</li><li>• Development of international level business and leisure destination providing world-class environment, in which people can work, play and stay catering to the surge in corporate travelers and tourists.</li><li>• The trunk infrastructure required for the proposed project will be developed by AAI.</li><li>• Proposed developments are:<ul style="list-style-type: none"><li>• Hotels &amp; Motels and convention center facilities</li><li>• Logistics &amp; Warehousing Park</li><li>• Airport Commercial District<ul style="list-style-type: none"><li>- Airport Business Park</li><li>- Passenger Convenience &amp; Amenities (F&amp;B, etc.)</li></ul></li></ul></li><li>• Miscellaneous: (Medical Centers, Fuel Pump, Aviation Skill Development Centres, etc.)</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Development, Operation and Maintenance of Built Infrastructure</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• Within the premises of Bhubaneswar International Airport</li></ul>
<b>Nodal Agency</b>	Airports Authority of India (AAI)

TEXTILES  
&  
APPAREL

## 2. Textiles & Apparel

### 2.1. Bhadrak Apparel Park

<b>Name of Project</b>	<b>Bhadrak Apparel Park, Bhadrak</b>
<b>Project Location</b>	Dhamnagar Chhak, District: Bhadrak
<b>Area of the Project</b>	100 acre
<b>Approx. Project Cost</b>	INR 74 crore (USD 11.08 million)
<b>Focus Sector</b>	Textiles & Apparel
<b>Employment</b>	Approx. 48,900
<b>Status of Approvals</b>	Application for in-principle approval under the Scheme for Integrated Textile Parks (SITP) made. EOI has been floated for appointment of project consultant.
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Industrial plots will be developed to accommodate around 45 apparel manufacturing industries.</li><li>• The upcoming industries will be facilitated with provisions for basic enabling infrastructure, essential utilities and appropriate common facilities</li><li>• To be developed under the SITP (Scheme for Integrated Textile park)</li><li>• Common infrastructure to support to the industries within the park</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Ready Made Garments (RMG),</li><li>• Textile production</li><li>• Technical Textiles</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• The project is situated adjacent to NH-5</li><li>• The nearest railway station is situated 18 km away at Bhadrak town</li><li>• The project site is situated 140 km from Bhubaneswar International Airport</li><li>• The project is situated 150 km from Paradip port and 60 km from the Dhamra Port</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Water supply infrastructure of 2.5 MLD</li><li>• 24/7 power supply for the required 4 MW for the project</li></ul>
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO)



## 2.2. Textile Park at Ramdaspur/ Choudwar

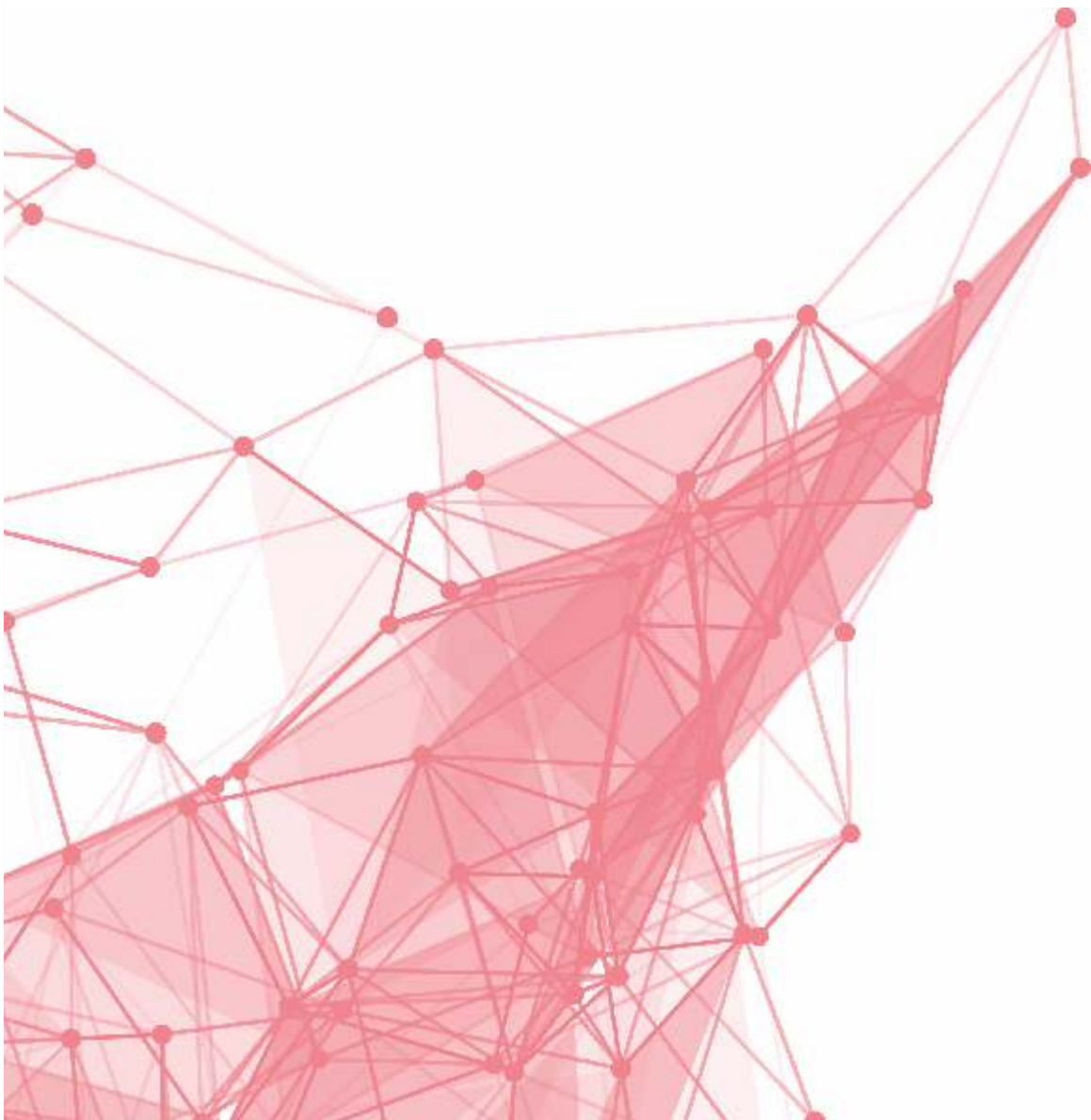
<b>Name of Project</b>	<b>Textile Park at Ramdaspur/Choudwar</b>
<b>Project Location</b>	Ramdaspur/Choudwar, Tahsil: Choudwar District: Cuttack
<b>Area of the Project</b>	170 acres approx.
<b>Focus Sector</b>	Textiles & Apparel
<b>Status of Approvals</b>	EOI invited for the project
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• To be developed as a dedicated park for apparel industry</li><li>• Approx. 32,000 population in the immediate vicinity</li><li>• Ready availability of land</li><li>• One of the most competitive labour wages</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Apparel Manufacturing</li><li>• Textile production</li><li>• Technical Textiles</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• The nearest railway station is located at Cuttack around 25 Kms from the site</li><li>• The project site is situated 20 kms from Bhubaneswar International Airport</li><li>• The project is situated 100 kms from Paradip port</li></ul>
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO)

## 2.3. Integrated Textile Parks

<b>Name of Project</b>	<b>Integrated Textile Parks</b>
<b>Project Locations</b>	<ol style="list-style-type: none"><li>1. Bhubaneswar</li><li>2. Balasore</li><li>3. Bargarh</li><li>4. Cuttack</li><li>5. Ganjam</li><li>6. KBK Districts</li></ol>
<b>Approx. Project Cost</b>	INR 200 crore (USD 30 million) of Central Government funding, INR 100 crore (USD 15 million) of State funding
<b>Area of the Project</b>	100 acre for each location
<b>Employment</b>	Approx. 5000
<b>Mode of Development</b>	SPV – Equity participation
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Being a Textile rich state, it is planning to develop such parks at Bhubaneswar, Baragarh, Cuttack, Ganjam, KBK districts and Balasore</li><li>• These parks will have provision for location of at least 20 manufacturing or services enterprises.</li><li>• Any industry association / industrial house / cooperative society or any Government body shall be eligible as a developer to avail benefits for the Textile Park.</li><li>• The developer must commit to hold equity participation in the project. Implementation of the scheme will be done through a Special Purpose Vehicle which will carry out the business of developing, operating and maintaining the infrastructure, amenities and common facilities created in the park.</li><li>• The park will have common infrastructure facilities available to all units. These facilities will be developed and operated by the chief operator or SPV.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Developing, operating and maintaining the infrastructure, amenities and common facilities created in the park.</li></ul>
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO)

## 2.4. Development of Centre of Excellence

<b>Name of Project</b>	<b>Development of Centre of Excellence</b>
<b>Project Location</b>	Bhubaneswar
<b>Approx. Project Cost</b>	INR 50 crore (USD 7.5 million)
<b>Area of the Project</b>	5 acre
<b>Employment</b>	Approx. 500
<b>Mode of Development</b>	Public Private Partnership
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• This enterprise will take up activities such as R&amp;D, skill-development curriculum, technical services and consultancy, incubation, publication of industry journals, testing and evaluation of Textiles.</li><li>• This center will help users develop Technical Textile products in various segments of automobiles, construction, geotextiles, medical and other industries.</li><li>• It will also, in association with NIFT, forecast fashion trends in the Textile sectors, help organize workshops, work with designers of the handloom clusters and provide mentoring support from industry experts.</li><li>• The State would utilize the Central Government Scheme for promotion of research - Setting up of Revolving Funds for Providing Assistance to Entrepreneurs for R&amp;D</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Developing, operating and maintaining the infrastructure</li><li>• Facilitating knowledge dissemination on the various sub-segments of Technical Textiles</li></ul>
<b>Nodal Agency</b>	Department of Handloom, Textiles and Handicrafts



HEALTHCARE  
AND  
BIOTECH

## 3. Healthcare and Biotech

### 3.1. Biotech Park

<b>Name of Project</b>	<b>Biotech Park</b>
<b>Project Location</b>	Andharua, Bhubaneswar, District: Khurdha
<b>Area of the Project</b>	5.6 acre (Mauza Gadakana)
<b>Approx. Project Cost</b>	INR 93 crore (USD14 million)
<b>Focus Sector</b>	Biotechnology, Pharmaceuticals
<b>Employment</b>	Approx. 5,000
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Odisha Biotech Park Limited is the special purpose vehicle (SPV) formed by the Bharat Biotech International Limited (BBIL) and IDCO for execution of this Project.</li><li>• The state of the art park is being developed in PPP mode to enable advancement of Biotechnology sector in the State.</li><li>• The park is designed with common facilities such as testing centres and R&amp;D labs to facilitate the industries in advanced manufacturing practices.</li><li>• The park also contains Incubation Centres to enable budding entrepreneurs in developing their own biotech industry.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• The major investment opportunities lie in setting up Biotechnology, Pharmaceuticals, generic drugs manufacturing and R&amp;D units.</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• The site is very close to NH-5</li><li>• The nearest railway station is 22 km at Bhubaneswar</li><li>• The nearest airport is situated at a distance of 10 km at Bhubaneswar</li><li>• The project is situated 130 km from Paradip port</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Government has assured to provide the required 1 MLD of water to the project.</li><li>• 1MW of required uninterrupted power shall be provided by the Government</li></ul>
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO)

## 3.2. BMC Hospital

<b>Name of Project</b>	<b>Establishment and Augmentation of Healthcare Network in Bhubaneswar under PPP Framework</b>
<b>Project Location</b>	Bhubaneswar
<b>Approx. Project Cost</b>	INR 200 crore ( USD 30 million)
<b>Focus Sector</b>	Healthcare
<b>Status of Approvals</b>	Approved by Department of Housing and Urban development (H&UD). Govt. of Odisha. Bhubaneswar Municipal Corporation (BMC) is the nodal agency for execution of this project. EOI invited by BMC.
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• BMC to offer site for Greenfield hospital and existing dispensaries for development and refurbishment.</li><li>• Private player needs to develop a Greenfield multi - specialty care hospital and upgrade 5 existing dispensaries into accredited health centers with fully functioning staff and equipment.</li><li>• The minimum number of beds to be installed:<ul style="list-style-type: none"><li>• Green field Multispecialty Hospital (Mauza Gadakana): 300 beds</li><li>• Kapilaprasad: 100 beds</li><li>• Brahmeswar Patna: 30 beds</li><li>• Rasulgarh: 30 beds</li><li>• Gadakana: 30 beds</li><li>• Bharatpur: 6 beds</li></ul></li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Construction, refurbishment, procurement, installation of equipment, completion, testing and commissioning of the Greenfield Hospital and other medical facilities</li><li>• Develop Urban Primary Health Centres</li></ul>
<b>Nodal Agency</b>	Bhubaneswar Municipal Corporation (BMC)



### 3.3. Development of Low cost Hospital on Public Private Partnership mode in all districts of Odisha

<b>Name of Project</b>	<b>Odisha Affordable Healthcare Project – Development of Low cost Hospital on Public Private Partnership Mode</b>
<b>Project Locations</b>	All Districts of Odisha
<b>Area of the Project</b>	To be determined post due diligence
<b>Approx. Project Cost</b>	INR 60 lakh (USD 90,000)
<b>Focus Sector</b>	Healthcare
<b>Status of Approvals</b>	Project development under way
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• The project involves roll out of low cost primary/secondary care hospitals across the State at various district headquarters in a PPP model which will offer decent quality care at affordable prices</li><li>• The project will look at the entire state as a whole and based on detailed financial, fiscal, logistics and operational due diligence, a network will be developed with recommendations on the number, size, type and locations of the hospitals to be developed.</li><li>• With 83% of Odisha's population being rural, the project will have a major beneficial impact on the provision of primary and preventive care services to the people of the state, especially in interiors of the state and rural areas, by strengthening the health infrastructure in small Tier 2 and Tier 3 towns across the state.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Primary and secondary care hospitals</li></ul>
<b>Connectivity</b>	To be determined post site selection and land identification
<b>Proposed Infrastructure</b>	Well-developed Primary Health centers & Secondary Healthcare infrastructure with modern facilities.
<b>Nodal Agency</b>	Department of Health & Family Welfare

LOGISTICS  
AND  
TRANSPORT

# 4. Logistics and Transport

## 4.1. Coal Railway Corridor at Talcher

<b>Name of Project</b>	<b>Coal Railway Corridor, Angul-Chhendipada</b>
<b>Project Location</b>	Angul-Chhendipada, Districts covered: Angul and Talcher
<b>Approx. Project Cost</b>	INR 8,000 crore (USD 1,197 million)
<b>Focus Sector</b>	Rail Infrastructure
<b>Status of Approvals</b>	Detailed Project Report under preparation
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Odisha is endowed with coal reserves of 65 Billion Tons which is about 25% of total reserves in India. Talcher area alone has 43 Billion Tons coal reserve-the highest in any coal field in the country.</li><li>• To explore and extract this coal, the Government of Odisha together with the Government of India has created this project to create a Coal Corridor which enables faster evacuation of coal from the area.</li><li>• The development of the 143-km corridor, with a capacity to handle coal in excess of 100 million tonne annually, will benefit more than 50 industries in sectors like steel, aluminium and power.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Major investment opportunity lies in the construction of the railway corridor and its maintenance</li></ul>
<b>Nodal Agency</b>	Brahmani Railways Ltd.

## 4.2. Elevated Corridor at Joda in Public Private Partnership mode

<b>Name of Project</b>	<b>Flyover (Elevated Corridor) near Joda town in the district of Keonjhar, Odisha on Public Private Partnership mode</b>
<b>Project Location</b>	Joda, Keonjhar District
<b>Project Cost</b>	INR 225 crore (USD 33.5 million)
<b>Focus Sector</b>	Roads & Highways
<b>Status of Approvals</b>	The feasibility has been completed and the bidding process for selection of private sector developer will commence shortly.
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• 11 m wide Flyover with Service road on both sides and landscaping are proposed in between piers up to clear height of 5.50 m from service road top level to bottom of the pier cap and beyond full width of Flyover up to abutment.</li><li>• Straight flyover along Joda-Bamberi road</li><li>• Three lane carriageway without footpaths but with Anti crash barriers on either side.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Develop, operate and maintain the elevated corridor in BOT mode</li></ul>
<b>Nodal Agency</b>	Works Department

## 4.3. Road Projects – Development & Maintenance on Public Private Partnership

<b>Name of Project</b>	<b>Operations and Maintenance (OMT Toll) project</b>
<b>Project Location</b>	OMT (Toll) project from Cuttack (for OMT (Toll) project from Naranpur – Pandapara – Brahmnipal – Duburi om Kandarpur) - Paradip Road OMT (Toll) project from Bhadrak – Kothari – Aredi OMT (Toll) project from Bisoi to Rairangpur
<b>Length of the Project Road</b>	82.00 km
<b>Approx. Project Cost</b>	INR 283 crore (USD 42 million)
<b>Focus Sector</b>	Roads & Highways
<b>Status of Approvals</b>	The feasibility reports for the projects have been prepared and the bidding process for selection of private sector developer will commence shortly.
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Operate and maintain roads in Operate, Maintain and Toll model</li></ul>
<b>Nodal Agency</b>	Works Department

## 4.4. Bhubaneswar – Paradip PCPIR Road in Public Private Partnership

<b>Name of Project</b>	<b>Greenfield Bhubaneswar – Paradip PCPIR Road</b>
<b>Project Location</b>	District: Khurda/ Cuttack/ Jagatsinghpur
<b>Length of the Project Road</b>	73.00 km
<b>Approx. Project Cost</b>	INR 350 crore (USD 52 million)
<b>Focus Sector</b>	Roads & Highways
<b>Status of Approvals</b>	The feasibility study is currently underway and the bid process for selection of private sector developer will commence shortly.
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Petroleum, Chemicals and Petrochemicals Investment Region (PCPIR) at Paradeep with an area of around 250 square kilometers planned for the establishment of manufacturing facilities for domestic and export led production in petroleum, chemicals &amp; petrochemicals, along with the associated services and infrastructure.</li><li>• The proposed road, a greenfield corridor, will connect Bhubaneswar with PCPIR region, significantly reducing the travel time.</li></ul>
<b>Investment Opportunities</b>	Design, build and operate the project road
<b>Proposed Infrastructure</b>	Four lane carriageway.
<b>Nodal Agency</b>	Odisha Industrial Development Corporation (IDCO)

## 4.5. Mahanadi Riverine Port

<b>Name of Project</b>	<b>Mahanadi Riverine Port, Odisha</b>
<b>Project Location</b>	River mouth in Malakalpada block of Kendrapada District
<b>Approx. Project Cost</b>	INR 2,562 crore (USD 600 million)
<b>Focus Sector</b>	Port Infrastructure
<b>Employment</b>	Approx. 1000
<b>Status of Approvals</b>	Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Based on baseline studies, container volumes at Mahanadi River Port are estimated to reach 27 MMTPA by the end of Phase-1 and 67 MMTPA by the end of Phase-2.</li><li>• Proposed capacity of the Mahanadi River Port is in the range of 50 MT + 0.20 MTEU</li><li>• Container berth width of 40.0 m has been proposed in both Phases</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Development and construction of the Port</li><li>• Capital and maintenance dredging</li><li>• Construction of berths, facilities for cargo storage, equipment for cargo handling</li><li>• Operation and maintenance</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• It is located at a distance of 35Kms from existing Paradip Port</li><li>• Nearest Airport is at Bhubaneswar – 120 Kms</li></ul>
<b>Proposed Infrastructure</b>	Berths for dry, bulk and container cargo, Navigation Channel, Navigational Aides
<b>Nodal Agency</b>	Directorate of Ports & Inland Water Transport, Commerce & Transport Department



## 4.6. Development of Multi Modal Logistics Park at Paradip

<b>Name of Project</b>	<b>Development of Multi Modal Logistics Park at Paradip</b>
<b>Project Location</b>	Paradip Port, District: Jagatsinghpur
<b>Approx. Project Cost</b>	INR 200 crore (USD 30 million)
<b>Focus Sector</b>	Logistics and Warehousing
<b>Employment</b>	Approx. 7,000
<b>Status of Approvals</b>	Master Plan in final stages of approval.
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Sagarmala project of Govt. of India is a strategic and customer-oriented initiative to modernize India's Ports and encourage port-led development. Under the project, Paradip Port have been identified for developing into Smart Industrial Port City (SIPC).</li><li>• Paradip Smart Industrial Port City (SIPC) is envisaged on a land of around 1600 acres. Multi Modal Logistics Park is one of the project components under SIPC for which around 316 acres have been identified.</li><li>• Following are the suggested project components within MMLP<ul style="list-style-type: none"><li>• Free Trade and Warehousing Zone reserved for warehousing and processing industry</li><li>• Truck Parking Area</li><li>• Multi-Modal Logistic Park including warehouses</li><li>• Container Yard</li><li>• Empty Container Yard</li></ul></li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Free Trade and Warehousing Zone</li><li>• Truck Terminal</li><li>• Multi-Modal Logistic Park</li><li>• Container Yard</li><li>• Empty Container Yard</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• The nearest railway station is situated Paradip town at about 10kms from the port</li><li>• The project site is situated 120 kms from Bhubaneswar International Airport</li><li>• The project is situated within Paradip Port Area</li></ul>
<b>Nodal Agency</b>	Paradip Port Trust (PPT)

## 4.7. Port at various locations in Odisha

<b>Name of Project</b>	<b>Ports at various locations</b>
<b>Project Locations</b>	Bichitrapur, Balasore District Bahabalpur Port Project Chandipur, Balasore Inchudi, Balasore Baliharachandi, Puri Palur, Ganjam District Bahuda, Ganjam District
<b>Approx. Project Cost</b>	INR 1000 crore – 1500 crore (USD 150 million – 223 million) for each port
<b>Focus Sector</b>	Minor Ports
<b>Status of Approvals</b>	Approved by Directorate of Ports ,Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Govt. of Odisha has formulated Port Policy during the year 2004 for private participation in the development of ports.</li><li>• It has already identified 14 potential sites for development of Minor Ports. Out of which:<ul style="list-style-type: none"><li>• Paradip, Dhamra and Gopalpur are operational Ports</li><li>• Subarnarekha, Astaranga, Chudamani and Jatadhar Muhan Ports are under construction</li></ul></li><li>• 7 more sites are under consideration for port development through Public Private Partnership</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Port development in Public Private Partnership</li></ul>
<b>Nodal Agency</b>	Directorate of Ports & Inland Water Transport, Commerce & Transport Department

## 4.8. Development of storage and warehousing infrastructure

<b>Name of Project</b>	<b>Development of Storage and Warehousing Infrastructure under State PEG (Private Entrepreneurs Guarantee) Scheme</b>
<b>Project Location</b>	Across major districts of Odisha
<b>Focus Sector</b>	Logistics and Warehousing
<b>Status of Approvals</b>	Approved by Department of Food and Public Distribution, Ministry of Consumer affairs, Food and Public Distribution.
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Odisha has proposed total Storage capacity of 3,65,000 MT under PEG (private entrepreneurs guarantee) Scheme</li><li>• Around 1,75,200 MT capacity will be implemented by Central Warehousing Corporation (CWC)</li><li>• Around 1,27,500 MT capacity will be constructed by State Warehousing Corporation (SWC) and</li><li>• Around 65,000 MT Capacity will be constructed by Private developers</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• At present 25,000 MT of storage and warehousing space is in proposal stage. Private developer can associate with department for implementation of the project</li></ul>
<b>Nodal Agency</b>	Odisha State Civil Supplies Corporation Limited

## 4.9. Develop Multimodal Logistics Parks

<b>Name of Project</b>	<b>Development of Multimodal Logistics Parks</b>
<b>Project Locations</b>	Angul Rourkela Muniguda, Ganjam
<b>Approx. Project Cost</b>	INR 200 crore - 250 crore (USD 30 million – 37 million) each
<b>Area of the Project</b>	Approx. 100 - 120 acres
<b>Employment</b>	Approx. 5,000
<b>Mode of Development</b>	Public Private Partnership
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• The projects are surrounded by industrially developed region and well- established presence of suppliers of raw materials, spares, buyers and other associated services</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• The sites are located close to National Highways</li><li>• Railway sidings abutt the development</li><li>• Bhubaneswar International Airport is at a distance of about 100-125 kms. depending on location.</li><li>• Paradip port is situated 174 - 200 kms depending on the project location</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Will be developed in PPP Mode. Development of the built infrastructure will be taken up by Private Developer</li><li>• Significant downstream and ancillary investment opportunities lay in the value added products to cater to white goods, auto components, construction and other industries.</li></ul>
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO)

## 4.10. Inland Container Depots

<b>Name of Project</b>	<b>Inland Container Depots</b>
<b>Project Locations</b>	Paradip Rayagada Kalinganagar Dhamra
<b>Approx. Project Cost</b>	INR 100 crore (USD 15 million) each
<b>Area of the Project</b>	50 acres at each location
<b>Employment</b>	Approx. 500– 1000 at each location
<b>Mode of Development</b>	Public Private Partnership
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Odisha has one Inland Container Depot (ICD) at Balasore and a Domestic Container Terminal (DCT) at Rourkela</li><li>• Odisha has significant marine exports and port activities, with the proposed ICDs, it will reduce overall cost of transit cargo and decongest the seaports.</li><li>• ICDs will be equivalent to seaports in the hinterland with all the loading and offloading equipment needed to handle container and general cargo.</li><li>• ICDs will have other state-of-the-art facilities including cold storages, refrigeration, cutting-edge technology such as RFID based container tracking, sophisticated container handling equipment and other infrastructure earmarked for the marine produce of the State</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Will be developed in PPP Mode. Development of the infrastructure will be taken up by Private Developer</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• All locations are well connected by National Highways and are approximately 100– 150 km from Bhubaneswar airport</li><li>• The distance from Rayagada to Paradip port is about 521 km &amp; to Dharma port is about 618 km</li><li>• The distance from Kalinganagar to Paradip port is about 360 km &amp; to Dharma port is about 45 km</li></ul>
<b>Nodal Agency</b>	Container Corporation of India Ltd.(CONCOR)

## 4.11. Development of Fishery Harbours

<b>Name of Project</b>	<b>Fishery Harbours</b>
<b>Project Locations</b>	Astarang, District: Puri Balaramgarhi, Bahabalpur, District: Balasore Chudamani, District: Bhadrak
<b>Approx. Project Cost</b>	INR 160 crore (USD 24 million) each
<b>Area of the Project</b>	25 - 30 acres at each location
<b>Employment</b>	Approx. 1000-2000 at each location
<b>Mode of Development</b>	Government
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Odisha has only one major fishery harbour at Paradip, despite being one of the major producers of inland and marine fishery resources. Approximately 700 deep-sea trawlers and 2000 medium capacity shipping boats operate from this harbour.</li><li>• Development of major fishery harbours at identified destinations will not only ease pressure on Paradip, but will also create sustainable livelihood for several thousand fishermen in these districts of the State</li><li>• The fishing harbours will have all the requisite infrastructure including cold storages, refrigeration and facilities for hygienic handling of fish as per the international standards.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Development of the built infrastructure for the Harbors</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• All the proposed locations are well connected by NH to Bhubaneswar and other parts of the State</li></ul>
<b>Nodal Agency</b>	Department of Fisheries and Animal Resources Development

## 4.12. Inspection and Certification Centre for Motor Vehicles

<b>Name of Project</b>	<b>Inspection and Certification Centre For Motor Vehicles</b>
<b>Project Locations</b>	All 35 Regional Transport Offices (RTO)
<b>Approx. Project Cost</b>	INR 25 crore (USD 4 million) apart from cost of land which can be provided by govt.
<b>Area of the Project</b>	Land area required for the project is 5 acres approx. per unit
<b>Focus Sector</b>	Logistics & Transportation
<b>Employment</b>	Minimum 20 persons per unit as direct and 100 persons as indirect
<b>Status of Approvals</b>	One unit has been approved by Ministry of Road Transport and Highways, Government of India for Cuttack and same will be replicated by Government of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Operator has to establish automated motor vehicle testing</li><li>• Centre for grant of fitness certificate to each transport vehicles of the area and collect testing fees.</li><li>• Number of garages are to be located near the centre for empanelment , where repairs of rejected vehicles would be taken up and further testing would be done for grant of FC(as per statutory requirement of MV Act)</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• This is opportunity for automobile part and vehicle testing equipment manufacturers</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Administrative building ,test lane and motor vehicle testing equipment</li></ul>
<b>Nodal Agency</b>	Office of the Transport Commissioner

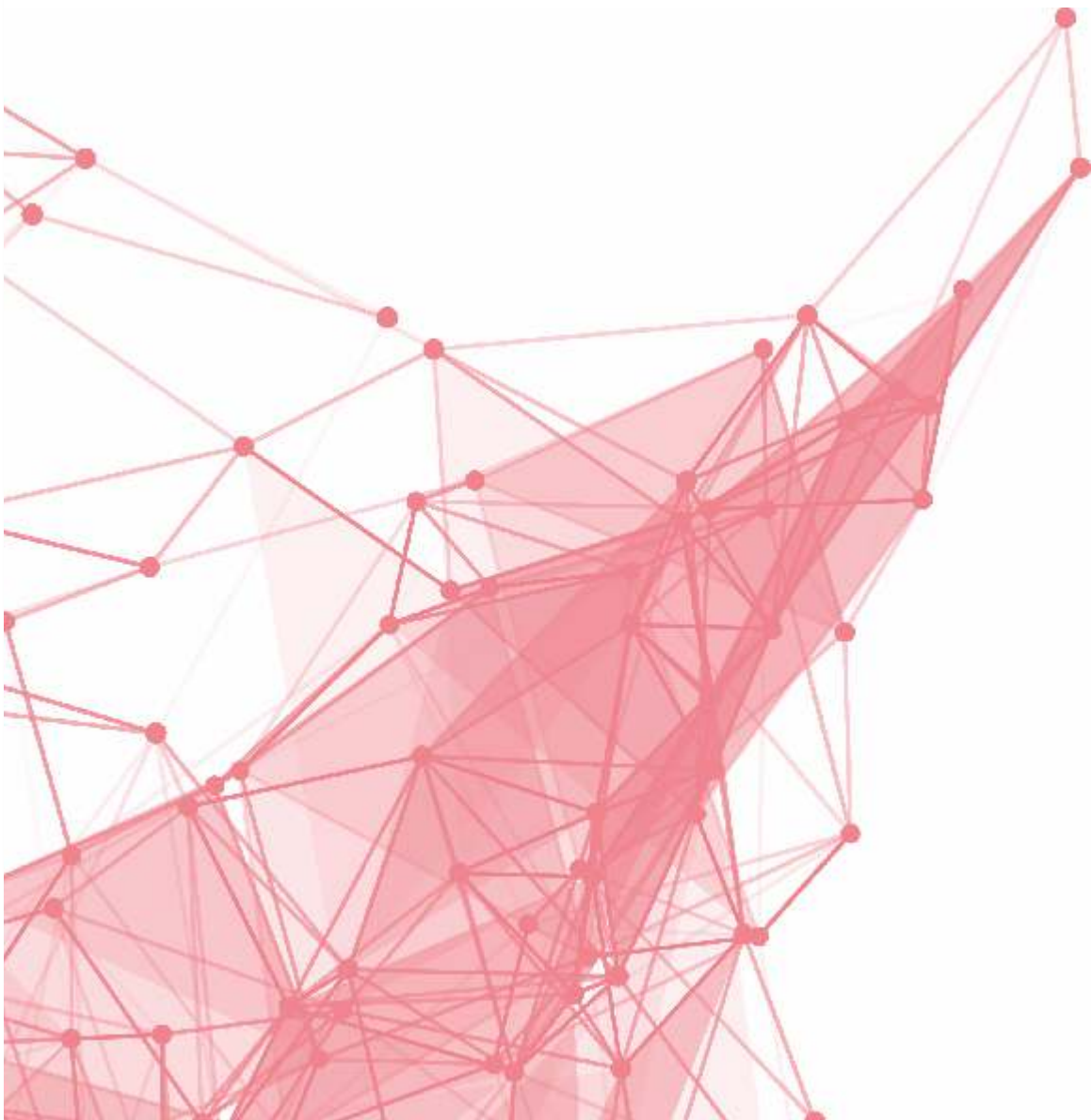
## 4.13. Institute of Driving Training and Research (IDTR)

<b>Name of Project</b>	<b>Institute of Driving Training and Research (IDTR) or HMV and LMV Driving Training Institute</b>
<b>Project Location</b>	All 35 Regional Transport Offices (RTO)
<b>Approx. Project Cost</b>	INR 15 crore (USD 2.5 million) apart from cost of land which can be provided by govt.
<b>Area of the Project</b>	Land area required for each project is minimum 25 acres
<b>Focus Sector</b>	Logistics & Transport
<b>Employment</b>	20 persons per unit
<b>Status of Approvals</b>	One unit has been approved by Ministry of Road Transport and Highways, Government of India for Jajpur and same will be replicated by Government of Odisha.
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• To impart driving training to persons aspiring to be professional drivers and collect driving training fees</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Opportunity for automobile manufacturers or corporate houses that may make tie up with any such manufacturers</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Institute building with class rooms, workshop, garages ,office rooms, computer lab, hostel for inmates, driving training track, vehicles as requirement</li></ul>
<b>Nodal Agency</b>	Office of the Transport Commissioner



## 4.14. Automated Driving Testing System (ADTS)

<b>Name of Project</b>	<b>Automated Driving Testing System(ADTS)</b>
<b>Project Location</b>	All 35 Regional Transport Offices (RTO)
<b>Approx. Project cost</b>	INR 5 crore (USD 0.75 million) apart from cost of land which can be provided by govt.
<b>Area of the Project</b>	Land area required for each project is 5 acres
<b>Focus Sector</b>	Logistics & Transport
<b>Employment</b>	20 persons per unit
<b>Status of Approvals</b>	Under process for approval
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• To impart driving training to persons aspiring to be professional drivers and collect driving training fees</li><li>• To establish driving testing track complex comprising of testing, building, IT system for automation.</li><li>• Each applicant for license in the state would be tested on the ADTS for pass/fail and testing fees would be collected from the applicant</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Opportunity for automobile part and vehicle equipment manufacturers</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Administrative building ,test lane and motor vehicle equipment</li></ul>
<b>Nodal Agency</b>	Office of the Transport Commissioner



INFORMATION TECHNOLOGY (IT)  
& ELECTRONICS SYSTEM DESIGN  
AND MANUFACTURING (ESDM)

# 5. Information Technology & Electronics System Design and Manufacturing

## 5.1. Electronics Manufacturing Cluster, Bhubaneswar

<b>Name of Project</b>	<b>Electronics Manufacturing Cluster, Bhubaneswar</b>
<b>Project Location</b>	Harapur and Durgapur village, Jatni Tehsil, Khurda District
<b>Area of the Project</b>	216 acre
<b>Approx. Project Cost</b>	INR 745 crore (USD 111.5 million)
<b>Focus Sector</b>	ESDM
<b>Employment</b>	Approx. 12,000
<b>Status of Approvals</b>	Final approval for the project has been received from Department of Electronics and Information Technology, Government of India. The park is to be set up under Electronic Manufacturing Cluster (EMC) scheme of the Centre
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• The project will be developed over 216 acres of land and will accommodate around 100 electronics products and components manufacturing units.</li><li>• The project is part of an integrated township with walk-to-work concept.</li><li>• The project is surrounded by a well-developed IT and software ecosystem led by leading IT players in the country including Infosys, Tata Consultancy Services, Wipro etc.</li><li>• The project is planned to have 150 acre of fully developed plots ranging from 0.5 to 5 acre catering to all sectors of the ESDM ecosystem.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Major opportunities include manufacturing of Electronic Products, Electronic components, Semiconductor design and fabrication and Equipment manufacturing.</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• The project is situated just 3 km from National Highway 5</li><li>• The project is situated on the outskirts of Bhubaneswar and is just 23 kms from Bhubaneswar airport</li><li>• Paradip port is around is around 130 Kms</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• The proposed requirement of 1.65 MLD water will be provided by the Government.</li><li>• Central Electricity Supply Utility of Odisha shall provide 25 MW of power to the project.</li></ul>
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO)

## 5.2. Infovalley, Bhubaneswar

<b>Name of Project</b>	<b>Infovalley, Bhubaneswar</b>
<b>Project Location</b>	Harapur and Durgapur village , Khurda District
<b>Area of the Project</b>	600 acre
<b>Approx. Project Cost</b>	INR 18,000 crore (USD 2,693 million)
<b>Focus Sector</b>	ESDM and IT & IT Enabled Services
<b>Employment</b>	Approx. 12,000
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Infovalley region is being developed by the Orissa government on over 600 acres of land at Janla between Bhubaneswar and Khurda.</li><li>• Infosys is the anchor tenant of the region. Infosys has committed an investment of Rs 300 crore in the first phase of the project which is implementation</li><li>• The Infovalley is part of planned ITIR (IT Investment Region). The Major components of the projects are:<ul style="list-style-type: none"><li>• 262 acre of Notified IT Special Economic Zone (SEZ)</li><li>• 35 acre of Business Park</li><li>• 216 acre of Proposed IT ESDM Park</li><li>• 100 acre of green pace</li></ul></li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Major opportunities are in development of the entire physical and social infrastructure for 'Infovalley' along with the government.</li><li>• Setting up IT &amp; ITeS facilities in the Park</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• The project is situated just 3 km from National Highway 5</li><li>• The project is situated on the outskirts of Bhubaneswar and is just 23 kms from Bhubaneswar station and 22 km from the airport</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• The proposed requirement of water will be met by Govt.</li><li>• 24/7 supply of power guaranteed by the Government</li></ul>
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO)

## 5.3. Upgradation of Odisha State Wide Area Network (OSWAN)

<b>Name of Project</b>	<b>Upgradation of Odisha State Wide Area Network (OSWAN)</b>
<b>Project Location</b>	State Headquarter, 30 Districts & 284 Blocks
<b>Approx. Project Cost</b>	INR 100 crore (USD 15 million)
<b>Focus Sector</b>	e-Governance & Information Technology
<b>Employment</b>	Approx. 325
<b>Status of Approvals</b>	Appointment of Consultant is under process.
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• SWAN is one of the core infrastructure of NeGP. Odisha SWAN is operational since August 2010.</li><li>• As part of SWAN, the State Head Quarter (SHQ) has been connected with all District Head Quarters (DHQs) &amp; 284 Block Head Quarters (BHQs).</li><li>• The Network is capable of carrying Voice, Video &amp; Data.</li><li>• 40 Video Conferencing Studios have been established under OSWAN.</li><li>• Similarly critical Govt. offices like Tahasils, Registration offices, Treasuries, Sub-Collector offices, DRDAs, sadar Blocks, ULBs, Health Institutions etc. have been provided with 2 Mbps OSWAN connectivity as Horizontal Offices.</li><li>• MPLS connectivity shall be used during up-gradation of OSWAN.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Supply, installation and maintenance of network components</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• After detailed study of the existing equipment and technologies available, the Consultant shall finalize the proposed infrastructure.</li></ul>
<b>Nodal Agency</b>	Odisha Computer Application Centre (OCAC)

## 5.4. Expansion of Odisha State Data Centre

<b>Name of Project</b>	<b>Expansion of Odisha State Data Centre</b>
<b>Project Location</b>	OCAC Building, Bhubaneswar
<b>Area of the Project</b>	11150 Sq.ft.
<b>Approx. Project Cost</b>	INR 33 crore (USD 5 million)
<b>Focus Sector</b>	Information Technology
<b>Status of Approvals</b>	Approved by Electronics & IT Department
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Design and Site Preparation for the expansion of Odisha State Data Centre in terms of the civil, electrical and mechanical work and all other necessary components required to build the Data Centre in line with the existing SDC.</li><li>• Supply, installation and setting up of the necessary basic Infrastructure (State of the Art UPS and Air-Conditioning System, Fire Detection and Control System, Diesel Generator Units, Lighting system, Power and Network Cabling etc.).</li><li>• Supply, installation and setting up of the multi-layer Physical Security infrastructure like biometric/ Smart card etc. based access-control system, CCTV/ surveillance systems.</li><li>• Establish effective and efficient Infrastructure monitoring &amp; management practices to ensure reliability, availability, quality of services and security of the Information systems.</li><li>• Help departments to focus on addressing the issues in service delivery &amp; administration.</li><li>• Help in freeing the departments from the problems relating to vendor management, Infrastructure, Security and performance management to a competent Implementation Partner identified for the entire State.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Co-location and Shared Hosting</li><li>• Platform availability for various departments</li><li>• Support system for e-Governance</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• IT &amp; Non-IT infrastructure</li><li>• Aggregation of IT infrastructure (Hardware, Storage, Networking and Software) and management resources.</li><li>• Operation &amp; Maintenance – 24x7x365</li></ul>
<b>Nodal Agency</b>	Odisha Computer Application Centre (OCAC)

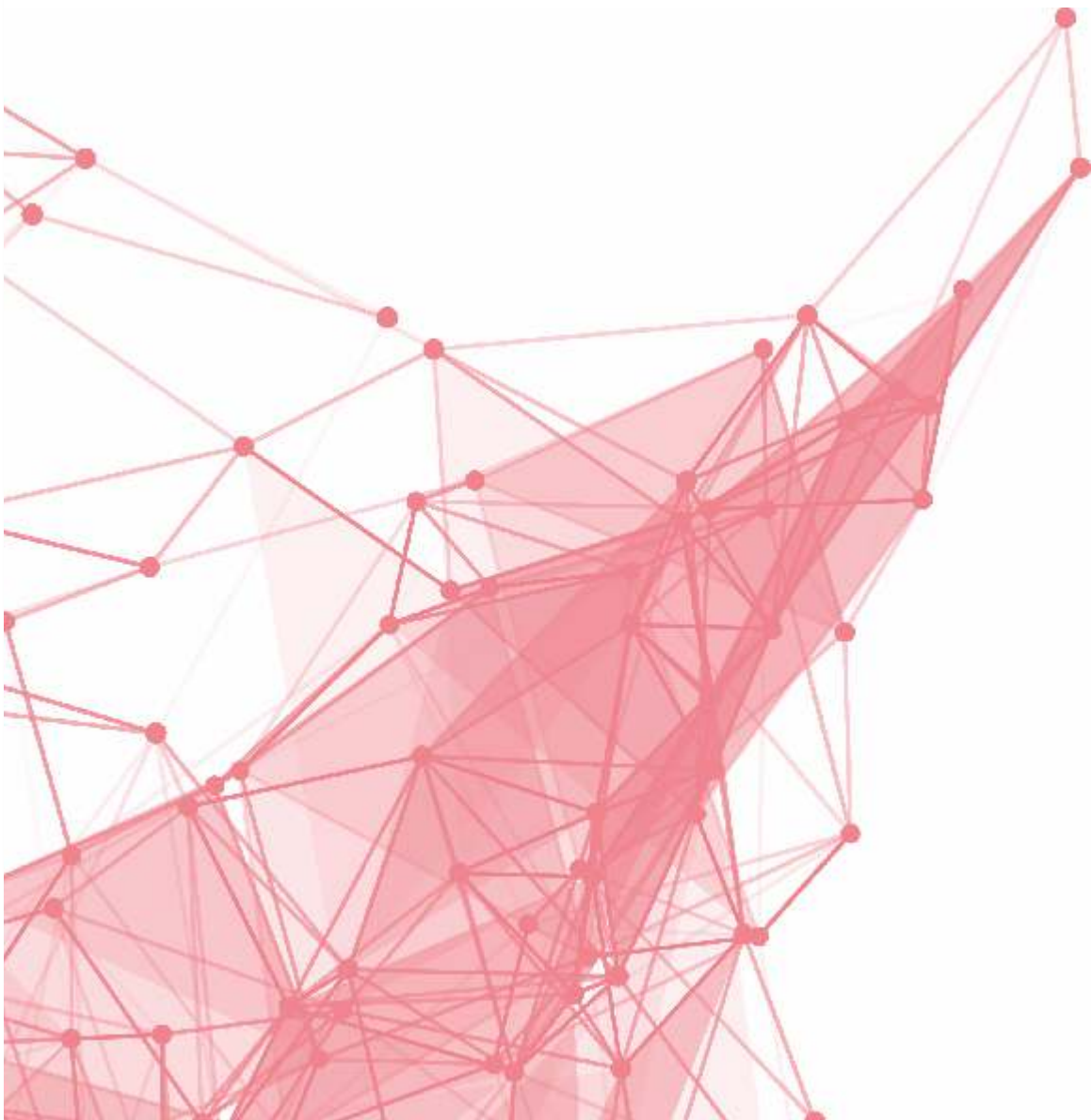
## 5.5. Development of ESDM Clusters

Name of Project	Development of ESDM Clusters
Project Locations	Rayagada Balasore Rourkela
Approx. Project Cost	INR 500 crore (USD 75 million) including Central Government and State Government funds
Area of the Project	200 acres
Employment	Approx. 5000
Mode of Development	Public Private Partnership
Project Contours	<b>Proposed Infrastructure and Amenities</b> <ul style="list-style-type: none"><li>• These developments are in accordance with the State's sector road-map for the ESDM sector</li><li>• Each cluster dedicated to EMC manufacturing will have common facilitation centers with full-fledged testing facilities for EMC Safety testing, RF, Microwave testing, and Endurance testing.</li></ul>
Investment Opportunities	<ul style="list-style-type: none"><li>• Developing, operating and maintaining the infrastructure, amenities and common facilities created in the park.</li></ul>
Nodal Agency	Odisha Industrial Infrastructure Development Corporation (IDCO)



## 5.6. Development of Design Centre at Bhubaneswar

<b>Name of Project</b>	<b>Development of Design Centre at Bhubaneswar</b>
<b>Project Location</b>	Bhubaneswar
<b>Approx. Project Cost</b>	INR 100 crore (USD 15 million)
<b>Area of the Project</b>	25 acres
<b>Employment</b>	Approx. 500
<b>Mode of Development</b>	Public Private Partnership
<b>Project Contours</b>	<p>The proposed site is in close proximity to institutes like IIT, IIIT, Bhubaneswar and College of Engineering &amp; Technology, Bhubaneswar. These institutes can act as the talent hub for attracting suitable talent for a design center. This center will offer special targeted facilities for the ESDM sector including:</p> <ul style="list-style-type: none"><li>• Test and Certification; Tool Room, Design House</li><li>• IT/Communication Centre</li><li>• Common Training/ Convention Centre</li><li>• Workers Housing Complex and Related facilities</li><li>• Utilities, Roads, Backup Power generation, Water supply, Welfare facilities</li><li>• ESDM innovation centers for entrepreneurs for concept to prototyping</li><li>• Enabling infrastructure such as VLSI design tools, prototype development facilities, testing facilities, characterization labs, compliance and certifications labs</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Developing, operating and maintaining the infrastructure, amenities and common facilities created in Design Center.</li></ul>
<b>Nodal Agency</b>	Department of Electronics and Information Technology and Odisha Industrial Infrastructure Development Corporation (IDCO)



AGRO  
&  
FOOD PROCESSING

# 6. Agro & Food Processing

## 6.1. Rice Technology Park, Bhadrak

<b>Name of Project</b>	<b>Rice Technology Park at Bhadrak</b>
<b>Project Location</b>	Dhamnagar Chhak, Bhadrak
<b>Area of the Project</b>	134.65 acres
<b>Approx. Project Cost</b>	INR 107 crore (USD 16 million)
<b>Focus Sector</b>	Agri and Food processing
<b>Employment</b>	Approx. 8000 (3,200 direct and 4,800 indirect)
<b>Status of Approvals</b>	Proposal under preparation for positioning under mega food park scheme of Ministry of Food Processing Industries (MoFPI)
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• The project will accommodate around 31 industrial units along with provisions for basic enabling infrastructure, essential utilities and appropriate common facilities.</li><li>• It is a self-contained facility providing all the support needed at the Farm level such as seeds, soil testing facility, Krishi-vikas Kendra, R&amp;D support etc.</li><li>• Post harvesting infrastructure such as paddy drying units and DE stoning units are also planned.</li><li>• All primary and tertiary units related to paddy and rice will be located in this one facility along with other rice based food processing industry.</li><li>• Envisaged integration of value chain to minimize losses.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Rice flour, Rice Rava, Rice Bran Oil, Noodles, Rice-Based Alcohol, Animal and Poultry Fee, Paddy Husk used for Power Generation, Brick Making etc.</li><li>• Rice based food processing industry</li><li>• Paddy drying units and DE stoning units</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• The project is situated adjacent to NH-5.</li><li>• The nearest railway station is situated 18 kms away at Bhadrak town</li><li>• The project site is situated 140 kms from Bhubaneswar International Airport</li><li>• The project is situated 150 kms from Paradip port and 60 kms from the Dhamra Port</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• 3MLD proposed requirement will be met by the Government</li><li>• 3MW proposed power will be met by the Government</li></ul>
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO)

## 6.2. Sea Food Park at Deras

<b>Name of Project</b>	<b>Seafood Park at Deras</b>
<b>Project Location</b>	Village Haripur and Haridamada, Block Jatni, District Khurda
<b>Area of the Project</b>	150 acre
<b>Approx. Project Cost</b>	INR 134 crore (USD 20 million)
<b>Focus Sector</b>	Food Processing
<b>Employment</b>	Direct: 20,500, Indirect: 2,82,050, Total: 3,03,550
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• The project is first-of-its-kind on the East Coast of India exclusively focused on seafood and marine products.</li><li>• The project has 150 acres of developed plots with dedicated common facility center comprising of cold storage, pre-processing and post-processing facilities, ice plant and packaging units is being set up.</li><li>• The cluster has a Central Processing Center (CPC) located within the park is connected to seven Primary Processing Centers (PPC) for access to raw materials.</li><li>• 15 Pre-processing centers, each of 10 MT, Cold storages of 2,000 MT capacity, 100 MT of Block Ice manufacturing, Polythene Unit and Packaging Unit are part of the project.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Pre-processing units</li><li>• Packaged food</li><li>• Raw processing</li><li>• Hatcheries</li><li>• Freezing systems</li><li>• Warehousing and cold storage</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• The park is only 15 km from NH-5 and 1 km from Chandaka - Pitapalli road</li><li>• The park is 28 kms away from Bhubaneswar station</li><li>• Nearest airport is situated 19 kms away at Bhubaneswar</li><li>• Nearest port is situated 140 kms away at Paradip</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• 8MLD water agreement signed Munduli PPP project</li><li>• 30 MW proposed requirement for power will be met by the Government</li></ul>
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO)

## 6.3. MITS Food Park at Rayagada

<b>Name of Project</b>	<b>MITS Food Park at Rayagada</b>
<b>Project Location</b>	Bhujabal, District - Rayagada
<b>Area of the Project</b>	50.5 acre
<b>Approx. Project Cost</b>	INR 200 crore (USD 30 million)
<b>Focus Sector</b>	Food Processing
<b>Employment</b>	Approx. 30,000
<b>Status of Approvals</b>	<p>A special purpose vehicle (SPV) called MITS Mega Food Park has been formed involving IDCO, Expo Bio-Tech Ltd, Keventor Agro Ltd and Basanta Devi Charitable Trust</p> <p>The SPV has got final approval from Ministry of Food Processing Industries (MoFPI).</p>
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• MITS Mega Food Park is an inclusive concept which aims at establishing direct linkages from the farm to processing and on to the consumer markets, through a network of collection centers and Primary Processing Centers.</li><li>• Efficient logistics facilities will connect the collection centers to the primary processing centers, which in turn will be connected to a central processing centre by hub and spoke model.</li><li>• The PPCs will be fed by field Collection Centers which will be the first point of contact with growers.</li><li>• The park will have facilities such as modern rice processing complex, cashew processing unit and bottling plants for mango pulp and other fruits are in advanced stage</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Pre-processing units</li><li>• Packaged food</li><li>• Raw processing</li><li>• Freezing systems</li><li>• Warehousing and cold storage</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• Rayagada railway station is around 15 Kms from the site</li><li>• Nearest airport is situated 160 kms away at Visakhapatnam</li><li>• Nearest port is situated 160 kms away at Visakhapatnam</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Modern dry warehouse with 10,000 ton capacity</li><li>• MSME sheds</li><li>• Overhead water tank of one lakh litre capacity</li></ul>
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO)

## 6.4. Development of Mega and Medium Food Parks

<b>Name of Project</b>	<b>Development of Mega and Medium Food Parks</b>
<b>Project Locations</b>	Ganjam, Kalahandi, Dhenkanal, Balasore, Baragarh
<b>Approx. Project Cost</b>	INR 100 crore (USD 15 million) each
<b>Area of the Project</b>	248.2 acres have been identified by IDCO
<b>Employment</b>	Approx. 5,000 each
<b>Mode of Development</b>	Public Private Partnership
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• The Mega Food Parks will be developed according to the Mega Food Park Scheme by the Ministry of Food Processing.</li><li>• In addition to the common infrastructure, these Parks will have following infrastructure:<ul style="list-style-type: none"><li>• Facilities for aggregation of agricultural produces</li><li>• Post-harvest infrastructure for storage, sorting and grading at the farm level, as inadequate post-harvest handling, processing and storage infrastructure are the major challenges Odisha is facing currently</li><li>• Platform for end-to-end integrated projects with the involvement of Model Farms (CoEs), Agropreneurs, Contract Farmers, SHGs, Producer Companies on one hand, and Retail chains, Individual Customers, Large Overseas Buyers on the other hand</li><li>• Provision of access of stakeholders to Government/ Research agencies, multilateral bodies (WB, ADB, IFAD etc.), Companies with Technology, Knowledge and Capital, and Financial Institutions. Central Ministries including Food Processing industries, MSME, Agriculture, Rural Development, FSSAI, Commerce and Industries will also provide support separately to the end-to-end projects in the Food Park</li></ul></li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Creation of built infrastructure, Operation and maintenance</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• Airport and capital city Bhubaneswar – 150 - 200 km</li><li>• Railway Station in the respective city / town</li><li>• Port: Gopalpur Port – 50 – 100 Kms, Paradip Port – 100 – 254 Kms</li></ul>
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO), Ministry of Food Processing

## 6.5. Centres of Excellence (CoE) for Agro and Marine Products

<b>Name of Project</b>	<b>Development of Centre of Excellence (CoE)</b>
<b>Project Locations</b>	Angul, Dhenkanal, Ganjam Nabarangapur, Kandhamal
<b>Approx. Project Cost</b>	INR 5 crore – 25 crore (USD 0.75 million - 3.75 million)
<b>Mode of Development</b>	Public Private Partnership
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• The CoE would be set up with support from the Orissa University of Agriculture and Technology and would support specific crop development through research and development.</li><li>• These CoEs would also conduct field and lab exercises, support research and project activities and provide facilities for hands-on practical experience, demonstrations, trainings and research opportunities for the start-ups and MSMEs in the region.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• CoEs will be developed in PPP Mode. Development of the built infrastructure will be taken up by Private Developer</li></ul>
<b>Nodal Agency</b>	MSME Department and the Orissa University of Agriculture and Technology



## 6.6. Development of food quality testing and phyto-sanitary laboratories

<b>Name of Project</b>	<b>Development of food quality testing and phyto-sanitary laboratories</b>
<b>Project Location</b>	In all the district headquarters
<b>Approx. Project Cost</b>	INR 30 crore (USD 4.5 million)
<b>Mode of Development</b>	Government / Public Private Participation
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• The testing labs will have common usage in a cluster as well as for use by individual units.</li><li>• Food processing centers at divisional and district level under the General Manager, DICs, will be formed, modernized and strengthened to ensure the monitoring and implementation of the Food Processing policy and other initiatives at a district level</li></ul>
<b>Investment Opportunities</b>	Creation of Infrastructure
<b>Nodal Agency</b>	Department of Micro, Small & Medium Enterprises

## 6.7. Commodity Value Chain based Cluster Development in Public Private Partnership mode

<b>Name of Project</b>	<b>Commodity Value Chain based Cluster Development</b>
<b>Project Location</b>	Various locations across the state
<b>Approx. Project Cost</b>	INR 10 crore – 15 crore (USD 1.5 million - 2.2 million) per cluster
<b>Mode of Development</b>	Public Private Partnership
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Commodity based cluster development will enable a planned and focused approach towards developing the food processing industry in the State and based on the food processing strengths of the respective geographically demarcated areas.</li><li>• The clusters will have access to technology consultancy cells at a district level, training centres providing continual training addressing specific industry requirements, access to cold storages, warehousing facilities, logistics network, packaging facilities and National level food testing laboratory.</li><li>• Units will be housed in plug and play facilities set up by the Government</li><li>• Common Facility Centers (CFC) will have Selling Center, Centralized Effluent Treatment Plants, Training and R&amp;D Centers, Common Logistics Center, Central Warehousing etc.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Partner State Govt. in development of infrastructure and maintenance</li></ul>
<b>Nodal Agency</b>	Department of Agriculture and Farmer's Empowerment

## 6.8. Packaging Development Centres

<b>Name of Project</b>	<b>Packaging Development Centres</b>
<b>Project Location</b>	Various locations across the state
<b>Approx. Project Cost</b>	INR 5 crore – 15 crore (USD 0.75 million - 2.5 million) per Centre
<b>Area of the Project</b>	10-20 acres each
<b>Employment</b>	Approx. 2000 (each centre)
<b>Mode of Development</b>	Public Private Partnership
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Packaging Development centres will help the food processing industry in particular to package the processed food and derivatives for longer shelf life and exports</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Development of built infrastructure</li></ul>
<b>Nodal Agency</b>	Department of MSME and Department of Industries

## 6.9. Food processing exports through the development of AEZ

<b>Name of Project</b>	<b>Agri Export Zones (AEZs)</b>
<b>Project Locations</b>	Angul, Dhenkanal, Ganjam, KBK Region
<b>Approx. Project Cost</b>	INR 50 crore – 100 crore (USD 7.5 million – 15 million)
<b>Mode of Development</b>	Public Private Partnership
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• State has only one AEZ at Kandhamal for ginger and turmeric</li><li>• Development of AEZs will benefit the units manufacturing the products immensely and will lead to:<ul style="list-style-type: none"><li>• Strengthened backward linkages with a market oriented approach,</li><li>• Better product acceptability,</li><li>• Increased value-addition,</li><li>• Reduced cost of production,</li><li>• Improvement in product quality and packaging,</li><li>• Enhanced trade related research and development</li><li>• Increased employment opportunities</li></ul></li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Private players can partner State Govt. in development and maintenance of the AEZ</li></ul>
<b>Nodal Agency</b>	Department of MSME and Department of Agriculture & Farmers' Empowerment

## 6.10. Development of Cold Storage Facilities

<b>Name of Project</b>	<b>Development of Cold Storage Facilities</b>
<b>Project Locations</b>	Khurdha, Bhadrak, Jagatsinghpur, Cuttack, Balasore, Rayagada, Ganjam,
<b>Approx. Project Cost</b>	INR 2000 crore (USD 300 million)
<b>Area of the Project</b>	100 acres of land
<b>Employment</b>	Approx. 50– 100 at each location
<b>Mode of Development</b>	Public Private Partnership
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• The average capacity of cold storages in Odisha is only 2.1 MT per sq. Km which is inadequate to address the present demand which lead to 35-40% wastage of vegetables, fruits, marine products etc.</li><li>• Odisha is planning additional cold storage, targeting predominantly the marine industry, of capacity 10.1 lakhs MT per sq. km by 2025-26</li><li>• The Government has already decided to set up an additional 150 Cold storages in the state, with a capacity of 747,280 MT in the public-private partnership route by 2019</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Creating of Infrastructure, operation and maintenance through PPP Mode.</li></ul>
<b>Nodal Agency</b>	Odisha Small Industries Corporation (OSIC)

## 6.11. Development of a state-of-the-art laboratory for fish and shrimp processor and mobile aqua lab

<b>Name of Project</b>	<b>Development of a state-of-the-art laboratory for fish and shrimp processor and mobile aqua lab</b>
<b>Project Location</b>	Bhubaneswar
<b>Approx. Project Cost</b>	INR 22.5 crore (USD 3.5 million)
<b>Area of the Project</b>	20 acres
<b>Mode of Development</b>	Public Private Partnership
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Government of Odisha has already prepared a roadmap to achieve marine exports of INR 20,000 crore by 2020.</li><li>• In order to boost the testing and quality control facilities for the marine processing units in the State, a state-of-the-art laboratory for processors and exporters</li><li>• The State is also planning to have mobile aqua labs for every 500 hectares under the PPP mode, involving local farmers, farmers' societies, and associations.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Development of the State of art laboratories and Procurement of Mobile Aqua Land including Operation and Maintenance will be taken up through PPP</li></ul>
<b>Nodal Agency</b>	Department of Fisheries and Animal Resources Development

URBAN  
INFRASTRUCTURE  
& UTILITIES

## 7. Urban Infrastructure & Utilities

### 7.1. Improvement of Water Supply of Greater Berhampur

<b>Name of Project</b>	<b>Improvement of Water Supply of Greater Berhampur</b>
<b>Project Location</b>	Berhampur Municipal Corporation, District: Ganjam
<b>Approx. Project cost</b>	INR 488 crore (USD 73 million)
<b>Focus Sector</b>	Water Supply
<b>Status of Approvals</b>	Approved by Housing and Urban Development Department (H&UD), Govt. of Odisha
<b>Project Contours</b>	<p>The current water supply to Berhampur is only 50 MLD and faces water scarcity every summer. It is proposed to augment the water supply source and improve the distribution network of Berhampur town.</p> <p>The key components of the project are:</p> <ul style="list-style-type: none"><li>• Intake Well</li><li>• Raw Water Transmission Mains (Rising Main and Gravity Mains)</li><li>• Water Treatment Plant (WTP)</li><li>• Clear Water Transmission Mains</li><li>• Laying of feeder transmission mains to UGRs</li><li>• Construction of 10 no. Underground Reservoirs (UGR)</li><li>• 17 no. Elevated Service Reservoirs (ESR) and 18 no. Pump Houses</li><li>• Laying of 232 Km distribution network</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Creating water supply and distribution infrastructure in Engineering Procurement Construction (EPC) mode</li></ul>
<b>Nodal Agency</b>	Public Health Engineering Office, Govt of Odisha



## 7.2. Development of affordable housing with private sector participation in Bhubaneswar

<b>Name of Project</b>	<b>Development of affordable housing with private sector participation in Bhubaneswar</b>
<b>Project Location</b>	Chandrashekarapur, Bhubaneswar
<b>Area of the Project</b>	22.8 acres
<b>Approx. Project Cost</b>	INR 500 crore (USD 75 million)
<b>Focus Sector</b>	Housing
<b>Status of Approvals</b>	The transaction structure for development of the project with private sector has been approved by the Empowered Committee on Infrastructure with consent to identify the private sector through a competitive bid process. The bid process to be commenced once the final notification by MoEF regarding development on the project site is issued.
<b>Project Contours</b>	<ol style="list-style-type: none"><li>1. Develop affordable housing units on 14 acres of land parcel in accordance with the design and construction requirements of BDA</li><li>2. Hand back affordable housing development to BDA free of cost on completion of construction</li><li>3. Make payment (@2% of the cost of EWS units) to an account for O&amp;M and carry out maintenance of the Affordable Housing Development for a period of 2 years post handover.</li><li>4. Undertake residential units for middle or high income categories and / or commercial development on 8 acres of land parcel within specified time frames and have the flexibility to sell such units as per market pricing</li></ol>
<b>Investment Opportunities</b>	The interested firms could bid for the project upon commencement of bid process by BDA.
<b>Connectivity</b>	The site is located in the heart of the city and is well connected by road. <ul style="list-style-type: none"><li>• Rail: Bhubaneswar railway station</li><li>• Road: Directly connected to the State road network</li><li>• Air: Biju Patnaik International Airport</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• 2960 EWS Housing Units on Affordable Housing Area.</li><li>• Residential units for middle or high income categories and / or commercial development on Developer Area.</li><li>• Basic Infrastructure Facilities including provision for water supply, internal roads, waste management, sewerage system, power, street lights etc.</li><li>• Social Infrastructure comprising neighbourhood shopping and community facilities - primary school, market place and primary health centre</li></ul>
<b>Nodal Agency</b>	Bhubaneswar Development Authority (BDA)

## 7.3. Sewerage System Project at Sambalpur

<b>Name of Project</b>	<b>Sewerage System Project at Sambalpur</b>
<b>Project Location</b>	Sambalpur town
<b>Area of the Project</b>	Sewerage Network of 255 Km for Sambalpur Town
<b>Approx. Project Cost</b>	INR 376 crore (USD 56 million)
<b>Focus Sector</b>	Infrastructure
<b>Status of Approvals</b>	Approved by Housing and Urban Development Department (H&UD), Govt. of Odisha. Tender floated, Land acquisition in progress
<b>Project Contours</b>	<p>It is proposed to set up sewerage system for Sambalpur town comprising the following:</p> <ul style="list-style-type: none"><li>• Sewerage Network of 255 Km for Sambalpur Town</li><li>• 8 nos. of sewerage Intermediate Pumping Stations</li><li>• One Sewerage Treatment Plant of 42 MLD capacity is proposed using Activated Sludge Process Technology</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• The project will be developed in EPC mode</li></ul>
<b>Nodal Agency</b>	Odisha Water Supply & Sewerage Board (OWSSB)

## 7.4. Solid Waste Management project in 36 towns grouped in 12 clusters

<b>Name of Project</b>	<b>Solid Waste Management project in 36 towns grouped in 12 clusters</b>
<b>Project Location</b>	Across Odisha
<b>Approx. Project Cost</b>	INR 230 crore (USD 34 million)
<b>Focus Sector</b>	Solid Waste Management
<b>Status of Approvals</b>	Prefeasibility report under preparation for 26 towns. Consultant to be appointed for additional 10 towns
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Objective to implement the Project of providing Municipal Solid Waste Management including collection, transportation, processing and disposal of waste generated in the various ULBs on cluster basis.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Partner with different Urban Local Bodies for project implementation. Project will be developed through Public Private Partnership</li></ul>
<b>Nodal Agency</b>	Director of Municipal Administration, Govt. of Odisha

## 7.5. Sewerage System at Rourkela East and West Project

<b>Name of Project</b>	<b>Sewerage System at Rourkela East and West Project</b>
<b>Project Location</b>	Rourkela Municipal Corporation, District-Sundergarh
<b>Approx. Project Cost</b>	INR 81.05 crore (USD 12 million) (East Project) and INR 307.66 crore (USD 46 million) (West Project)
<b>Focus Sector</b>	Urban Infrastructure
<b>Status of Approvals</b>	Approved by Housing and Urban Development Department (H&UD), Govt. of Odisha
<b>Project Contours</b>	<p><b>Rourkela East Project</b></p> <p>The project involves abatement of pollution and prevention of untreated sewage into river Koel and comprises the following components:</p> <ul style="list-style-type: none"><li>• 8 MLD capacity STP at Koel Nagar based on SBR technology</li><li>• Two sewerage pumping stations</li><li>• Sewerage network of 46.4 Km</li></ul> <p><b>Rourkela West Project</b></p> <p>The project involves abatement of pollution of river Koel and river Brahmani and comprises the following components:</p> <ul style="list-style-type: none"><li>• 40 MLD STP at Ruptola using SBR technology</li><li>• 4 Sewerage pumping stations</li><li>• 189 Km Sewerage network</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Project will be developed through Engineering Procurement Construction (EPC)</li></ul>
<b>Nodal Agency</b>	Orissa Water Supply & Sewerage Board.

## 7.6. Mega Water Supply Projects in different districts of Odisha

<b>Name of Project</b>	<b>Mega Water Supply Projects in different districts of Odisha</b>
<b>Project Locations</b>	Balasore, Bhadrak, Keonjhar, Puri, Bolangir, Cuttack, Jagatsinghpur, Angul, Jajpur
<b>Approx. Project Cost</b>	INR 800 crore (USD 119 crore)
<b>Focus Sector</b>	Rural water supply
<b>Status of Approvals</b>	Approved by State Govt. Bid process for the project is yet to commence
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• 5 nos. of Individual Rural Piped Water Supply Scheme pertaining to Balasore/Bhadrak/Keonjhar/Puri/Bolangir Districts including five years Operation &amp; Maintenance" under Package-1. (Estimated Project Cost: INR 274.81 crore)</li><li>• 2 nos. Of Individual Rural Piped Water Supply Scheme pertaining to Cuttack/ Jagatsinghpur Districts including five years Operation &amp; Maintenance" under Package-2. (Estimated Project Cost: INR 272.56 crore)</li><li>• Execution of Rural Piped Water Project pertaining to Anugul District including five years Operation &amp; Maintenance". (Estimated Project Cost: INR 160.61 crore)</li><li>• Execution of 03 Nos. Individual Rural Piped Water Supply Project in mining affected villages pertaining to Jajpur/ Keonjhar districts including 5 years O&amp;M on EPC contract under Package-1" (Estimated Project Cost: INR 90.87 crore)</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Project will be developed in Engineering Procurement Construction (EPC) mode</li><li>• Water Supply infrastructure and distribution network</li><li>• Operation and Maintenance</li></ul>
<b>Nodal Agency</b>	Rural Water Supply and Sanitation (RWSS), Rural Development Department

## 7.7. Affordable Housing Project at Rourkela

<b>Name of Project</b>	<b>Affordable Housing Project at Madhusudan Palli, Rourkela in PPP</b>
<b>Project Location</b>	Madhusudan Palli, Town :Rourkela, District: Sundargarh
<b>Area of the Project</b>	25 acre
<b>Approx. Project Cost</b>	INR 300 crore (USD 45 million)
<b>Focus Sector</b>	Housing and Infrastructure
<b>Status of Approvals</b>	Approved by H&UD Department, Govt. of Odisha. Tender has been floated for appointment for consultant for Bid Process Management
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• There is a shortage of affordable housing in Odisha.</li><li>• To meet the demand in this segment Rourkela Development Authority is coming up with Affordable Housing Scheme under Housing for All scheme in Madhusudan Palli area</li><li>• About 3,200 units of affordable housing can be developed in the said site.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Housing development</li></ul>
<b>Nodal Agency</b>	Rourkela Development Authority

SMART CITY  
PROJECTS

# 8. Smart City Projects Bhubaneswar Smart City

## 8.1. Bhubaneswar Smart City - Railway Station Multi Modal Hub

<b>Name of Project</b>	<b>Railway Station Multi Modal Hub</b>
<b>Project Location</b>	Bhubaneswar City
<b>Area of the Project</b>	12 acres
<b>Approx. Project Cost</b>	INR 640 crore (USD 95 million)
<b>Focus Sector</b>	Smart Cities
<b>Employment</b>	Approx. 5400 (direct and indirect)
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Transit oriented development project on 12 acres of land</li><li>• This project will cater to transit population of 2,385</li><li>• The purpose is decongestion of Bhubaneswar railway station square and re-densification &amp; streamlining of traffic flow to the Station</li><li>• Adaptive reuse of underutilized existing parking area</li></ul>
<b>Investment Opportunities</b>	Development of 20.32 lakh sq. ft. of built up area comprising of offices, retail areas, hotels, convention centre and residences
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Solar canopy with Net metering</li><li>• Rainwater harvesting structures</li><li>• Waste recycling station</li><li>• Shared parking with real time tracking option</li><li>• Night shelter for transit population and urban poor</li><li>• Pedestrian transit plaza</li><li>• Mixed-Use Multi-Level Smart Parking</li><li>• Grid connected Solar panel parking lot</li><li>• Dedicated street vending zones</li></ul>
<b>Nodal Agency</b>	Bhubaneswar Smart City Limited



## 8.2. Bhubaneswar Smart City – Janpath Government Housing Redevelopment

<b>Name of Project</b>	<b>Janpath Government Housing Redevelopment</b>
<b>Project Location</b>	Bhubaneswar City
<b>Area of the Project</b>	30 acres
<b>Approx. Project Cost</b>	INR 1260 crore (USD 188 million)
<b>Focus Sector</b>	Smart Cities
<b>Employment</b>	Approx. 11,650 (direct and indirect)
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Spread across 30 acres of govt. land, this redevelopment and re-densification project will provide 3800 houses</li><li>• Will house around 8,775 population</li><li>• Mixed use high rise high density development</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Residential redevelopment of 3800 houses with average 1,000 sq. ft. carpet area and 1,600 sq. ft. saleable area.</li><li>• Development of hospitals, multi-level car parking, retail and office spaces</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Residential units, multi-level car parking, retail and office spaces</li></ul>
<b>Nodal Agency</b>	Bhubaneswar Smart City Limited

### 8.3. Bhubaneswar Smart City – Mission Awaas (Slum Redevelopment Projects)

<b>Name of Project</b>	<b>Smart City – Mission Awaas (Slum Redevelopment Projects)</b>
<b>Project Location</b>	Bhubaneswar City
<b>Area of the Project</b>	Spread over four locations – Bapuji Nagar, Kharabela Nagar, Shanti Nagar and Shahid Nagar
<b>Approx. Project Cost</b>	INR 840 crore (USD 125 million)
<b>Focus Sector</b>	Smart Cities
<b>Employment</b>	Approx. 4000
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• This project will provide Dwelling Units in EWS and HIG/MIG segment Addressing housing need of Urban poor and EWS</li><li>• Providing basic infrastructures and utilities</li><li>• Improvement of quality of living</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Development of 6,000 EWS residential units and 1,200 HIG/MIG units for cross subsidisation</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Residential units (EWS and HIG/MIG)</li></ul>
<b>Nodal Agency</b>	Bhubaneswar Smart City Limited

## 8.4. Bhubaneswar Smart City – Solid Waste Management

<b>Name of Project</b>	<b>Smart City – Solid Waste Management</b>
<b>Project Location</b>	Bhubaneswar City
<b>Area of the Project</b>	Pan-city project
<b>Approx. Project Cost</b>	INR 14.5 crore (USD 2 million)
<b>Focus Sector</b>	Smart Cities
<b>Employment</b>	Approx. 450
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Installation and maintenance of smart waste bins</li><li>• Creation of recycling plants</li><li>• Energy production from waste</li><li>• Online systems for waste collection routes</li></ul>
<b>Investment Opportunities</b>	Across areas of solid waste management
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Primary and secondary collection infrastructure</li><li>• Rolling stock for collection and transportation</li><li>• Treatment and disposal infrastructure</li></ul>
<b>Nodal Agency</b>	Bhubaneswar Smart City Limited

## 8.5. Bhubaneswar Smart City – Public Bicycle Sharing Scheme

<b>Name of Project</b>	<b>Public Bicycle Sharing Scheme</b>
<b>Project Location</b>	Bhubaneswar City
<b>Area of the Project</b>	Along Janpath, Bhubaneswar
<b>Approx. Project Cost</b>	INR 9.5 crore (USD 1.5 million)
<b>Focus Sector</b>	Smart Cities
<b>Employment</b>	Approx. 100
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• The 5 km long commercial and transit corridor of Janpath will undergo a redesigning of the existing 60m RoW into a pedestrian friendly roadway.</li><li>• Bicycle sharing and renting scheme and shared lane bicycle marking interventions are proposed</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Development of cycling infrastructure</li><li>• Implementation of public bicycle sharing system and operations handling</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Cycling infrastructure</li></ul>
<b>Nodal Agency</b>	Bhubaneswar Smart City Limited

## 8.6. Bhubaneswar Smart City – E-rickshaw project

<b>Name of Project</b>	<b>Smart City – E-rickshaw project</b>
<b>Project Location</b>	Bhubaneswar City
<b>Area of the Project</b>	Pan-city project
<b>Approx. Project Cost</b>	INR 10.5 crore (USD 1.5 million)
<b>Focus Sector</b>	Smart Cities
<b>Employment</b>	Approx. 750
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Setting up and installation of 500 E-Rickshaws, allied infrastructure and charging stations</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Development of online system for tracking of rickshaw fleet</li><li>• Instant booking for short distances</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Booking facilities</li><li>• Online tracking system</li></ul>
<b>Nodal Agency</b>	Bhubaneswar Smart City Limited

## 8.7. Bhubaneswar Smart City – LED Street Lighting

<b>Name of Project</b>	<b>Smart City – LED Street Lighting</b>
<b>Project Location</b>	Bhubaneswar City
<b>Area of the Project</b>	Pan-city project
<b>Approx. Project Cost</b>	INR 3 crore (USD 0.45 million)
<b>Focus Sector</b>	Smart Cities
<b>Employment</b>	Approx. 50
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Installation and Commissioning of LED Street lighting in Bhubaneswar Town Centre District (BTCD) Area</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Supply, installation, operation and maintenance of LED street lighting</li><li>• Call centre for citizen interaction</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• LED street lighting</li></ul>
<b>Nodal Agency</b>	Bhubaneswar Smart City Limited

## 8.8. Bhubaneswar Smart City – Micro Solar Power project

<b>Name of Project</b>	<b>Smart City – Micro Solar Power Project</b>
<b>Project Location</b>	Bhubaneswar City
<b>Area of the Project</b>	Pan-city project
<b>Approx. Project Cost</b>	INR 3 crore (USD 0.45 million)
<b>Focus Sector</b>	Smart Cities
<b>Employment</b>	Approx. 100
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Rooftop solar projects of 2 MW on existing public buildings and 0.4 MW in mini-solar power plant project in Lake Neutral</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Supply, installation, operation and maintenance of solar power cells</li><li>• Automated operations and net metering of power supplied</li></ul>
<b>Nodal Agency</b>	Bhubaneswar Smart City Limited

## 8.9. Bhubaneswar Smart City – Satya Nagar Institutional Core

<b>Name of Project</b>	<b>Bhubaneswar Smart City – Satya Nagar Institutional Core</b>
<b>Project Location</b>	Bhubaneswar City
<b>Area of the Project</b>	40 acres
<b>Approx. Project Cost</b>	INR 1000 crore (USD 150 million)
<b>Focus Sector</b>	Smart Cities
<b>Employment</b>	13,850
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Redevelopment of 40 acres of underutilized public land</li><li>• This development will house around 3,015 population</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Commercial Hub</li><li>• Establishment of educational hub</li><li>• Promotion of cultural activities</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Non - vehicular zones</li><li>• Mixed-Use Multi-Level Smart Parking</li><li>• Dedicated street vending zones</li><li>• Central Plaza for cultural and congregational activity</li></ul>
<b>Nodal Agency</b>	Bhubaneswar Smart City Limited

# Rourkela Smart City

## 8.10. Rourkela Smart City – JATAYAT Project

<b>Name of Project</b>	<b>Railway Station Multi Modal Hub</b>
<b>Project Location</b>	Rourkela City
<b>Area of the Project</b>	Pan city
<b>Approx. Project Cost</b>	INR 295 crore (USD 44 million)
<b>Focus Sector</b>	Smart Cities
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Gateway to Rourkela</li><li>• Pedestrian friendly roads with footpath, signage and designated no-vehicle zones</li><li>• Smart Bus Terminus and Improved Bus Stops</li><li>• Dedicated bi-cycle track</li><li>• Underground ducting for visible improvement of ABD</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Design, develop, construct, install, operate and maintain the assets for a specified time period.</li><li>• Install, implement, commission, manage and operate signage and advertisement boards.</li><li>• Share surplus revenue with SPV.</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Transit complex,</li><li>• Multi-level smart parking</li><li>• Information kiosk</li><li>• e-rickshaw stand</li><li>• 112 km pedestrian friendly roads</li><li>• Underground ducting for 45 km</li><li>• 15 automatic signalized junctions, 5 bus-stops</li><li>• 98 km dedicated cycle track</li><li>• 12 km designated no-vehicle zones</li><li>• 6 footover bridges. zones</li></ul>
<b>Nodal Agency</b>	Rourkela Municipal Corporation

## 8.11. Rourkela Smart City – SURAKSHIT ROURKELA

<b>Name of Project</b>	<b>Rourkela Smart City – SURAKSHIT ROURKELA</b>
<b>Project Location</b>	Rourkela City
<b>Area of the Project</b>	Pan city
<b>Approx. Project Cost</b>	INR 67 crore (USD 10 million)
<b>Focus Sector</b>	Smart Cities
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Emergency response system</li><li>• CCTV Cameras with ANPR and face detection</li><li>• Signage in Critical Areas</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• CCTV vendor to install cameras and manage O&amp;M.</li><li>• Security vehicles vendor to procure and provide maintenance support for vehicles used by police, hospitals etc.</li><li>• Emergency Response Centre vendor to procure and install equipment, provide proprietary license and software, manage services and provide high-end analytics through FTEs.</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• CCTV cameras at 30 strategic locations</li><li>• Street signages</li><li>• Emergency response system.</li></ul>
<b>Nodal Agency</b>	Rourkela Municipal Corporation

## 8.12. Rourkela Smart City – Brahmani Riverfront Development in Public Private Partnership

<b>Name of Project</b>	<b>Rourkela Smart City – Brahmani Riverfront Development in Public Private Partnership</b>
<b>Project Location</b>	Rourkela City
<b>Area of the Project</b>	148 acres
<b>Approx. Project Cost</b>	INR 340 crore (USD 51 million)
<b>Focus Sector</b>	Smart Cities
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• The project includes development of 148 acres of Brahmani Riverfront along 3 km stretch to provide a meaningful waterfront environment and to redefine an identity of Rourkela around the river;</li><li>• In addition, Pan-City projects including unified command &amp; control centre, GIS mapping etc. will also supplement implementation of the project</li><li>• Development of Brahmani Riverfront</li><li>• Development of Smart Recreation Zone</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Develop the area as per approvals.</li><li>• Maintain the area for 10 years as per agreement.</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Landscaped gardens,</li><li>• Theme park,</li><li>• Tribal-Haat,</li><li>• Wi-fi hotspots,</li><li>• Vending zones</li><li>• Recreation facilities,</li><li>• Convention hall;</li><li>• Stadium.</li></ul>
<b>Nodal Agency</b>	Rourkela Municipal Corporation



## 8.13. Rourkela Smart City – JALDHARA Project

<b>Name of Project</b>	<b>Rourkela Smart City – JALDHARA Project</b>
<b>Project Location</b>	Rourkela City
<b>Area of the Project</b>	Pan city
<b>Approx. Project Cost</b>	INR 95 crore (USD 14.17 million)
<b>Focus Sector</b>	Smart Cities
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Installation of SCADA</li><li>• Installation of smart meters at household level</li><li>• Waste water recycling and rain water harvesting in all public buildings</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Design, develop, construct, install and maintain the assets for a specified time period.</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• SCADA to monitor from a single point the water quantity, quality, treatment &amp; distribution process in real time;</li><li>• 24000 smart water meters;</li><li>• 21 rain water harvesting systems in public buildings</li></ul>
<b>Nodal Agency</b>	Rourkela Municipal Corporation

## 8.14. Rourkela Smart City – Green Rourkela

<b>Name of Project</b>	<b>Rourkela Smart City – Green Rourkela</b>
<b>Project Location</b>	Rourkela City
<b>Area of the Project</b>	Pan city
<b>Approx. Project Cost</b>	INR 223 crore (USD 33 million)
<b>Focus Sector</b>	Smart Cities
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<p>GREEN ROURKELA includes connected neighborhood project with high quality Parks/open spaces for creating unique identity and enhancing social interaction</p> <ul style="list-style-type: none"><li>• Citizen friendly parks</li><li>• Smart electricity meters</li><li>• Air Quality Monitoring</li><li>• Solar panels in public buildings and solar powered sensor based LED street lamps</li><li>• Smart Power Grid</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Execute installation of smart meters to improve visualization of energy consumption and power quality management.</li><li>• Solar panels: Install on turnkey basis along with O &amp; M for the next 20 to 25 years</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• 8.5 lakh sqft Solar Panels in public buildings &amp; facilities;</li><li>• 3271 Energy-efficient Intelligent LED Street lights;</li><li>• 24000 Smart Electric Metering;</li><li>• 1120 sensors for air quality monitoring;</li><li>• Public information systems for air and water quality monitoring;</li><li>• Wifi,</li><li>• Yoga centre</li></ul>
<b>Nodal Agency</b>	Rourkela Municipal Corporation

## 8.15. Rourkela Smart City – Integrated Informal Settlement

<b>Name of Project</b>	<b>Rourkela Smart City – Integrated Informal Settlement</b>
<b>Project Location</b>	Rourkela City
<b>Area of the Project</b>	Pan city
<b>Approx. Project Cost</b>	INR 284 crore (USD 42 million)
<b>Focus Sector</b>	Smart Cities
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Integrated informal settlements program using local material and solar roof top</li><li>• The projects will be developed individually on Public Private Partnership model.</li><li>• The concessionaire will quote a “concession fee” either positive (premium) or negative (VGF), depending on the individual project structure.</li><li>• Provide for transit housing</li><li>• Develop EWS units as per contract and handover to government for allotment</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Realize revenue from Developer's area to cross-subsidize EWS housing.</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• In-situ redevelopment of 8000 dwelling units with access to all basic services,</li><li>• 13 tele-medicine centers,</li><li>• 13 smart class rooms,</li><li>• Solar rooftop, rain water harvesting,</li><li>• Energy efficient lighting</li><li>• Waste water recycling system.</li></ul>
<b>Nodal Agency</b>	Rourkela Municipal Corporation

## 8.16. Rourkela Smart City – Vibrant Rourkela

<b>Name of Project</b>	<b>Rourkela Smart City – Vibrant Rourkela</b>
<b>Project Location</b>	Rourkela City
<b>Area of the Project</b>	Pan city
<b>Approx. Project Cost</b>	INR 309 crore (USD 46 million)
<b>Focus Sector</b>	Smart Cities
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Upgradation of Markets</li><li>• Setting up of Information Kiosks</li><li>• Skill development &amp; incubation/ training centres - One Project Implementing Agency will be responsible for Identification, Integration, Incubation and Innovation support.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Upgradation of markets: The contract will be structured in following ways: Outright auction, Joint Venture (Incorporated/ Unincorporated) or Development Agreement</li><li>• Skill Development and Incubation Centre Implementing Agency: Coordination with industry for apprenticeship, Run incubation centres for MSMEs</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Local skill development/ incubation center for youths;</li><li>• Vending zones for promoting livelihood;</li><li>• Tribal art centre for promotion &amp; preservation of tribal &amp; folk arts;</li><li>• Smart parking;</li><li>• Market area redevelopment</li></ul>
<b>Nodal Agency</b>	Rourkela Municipal Corporation

## 8.17. Rourkela Smart City – CITY GOV Project

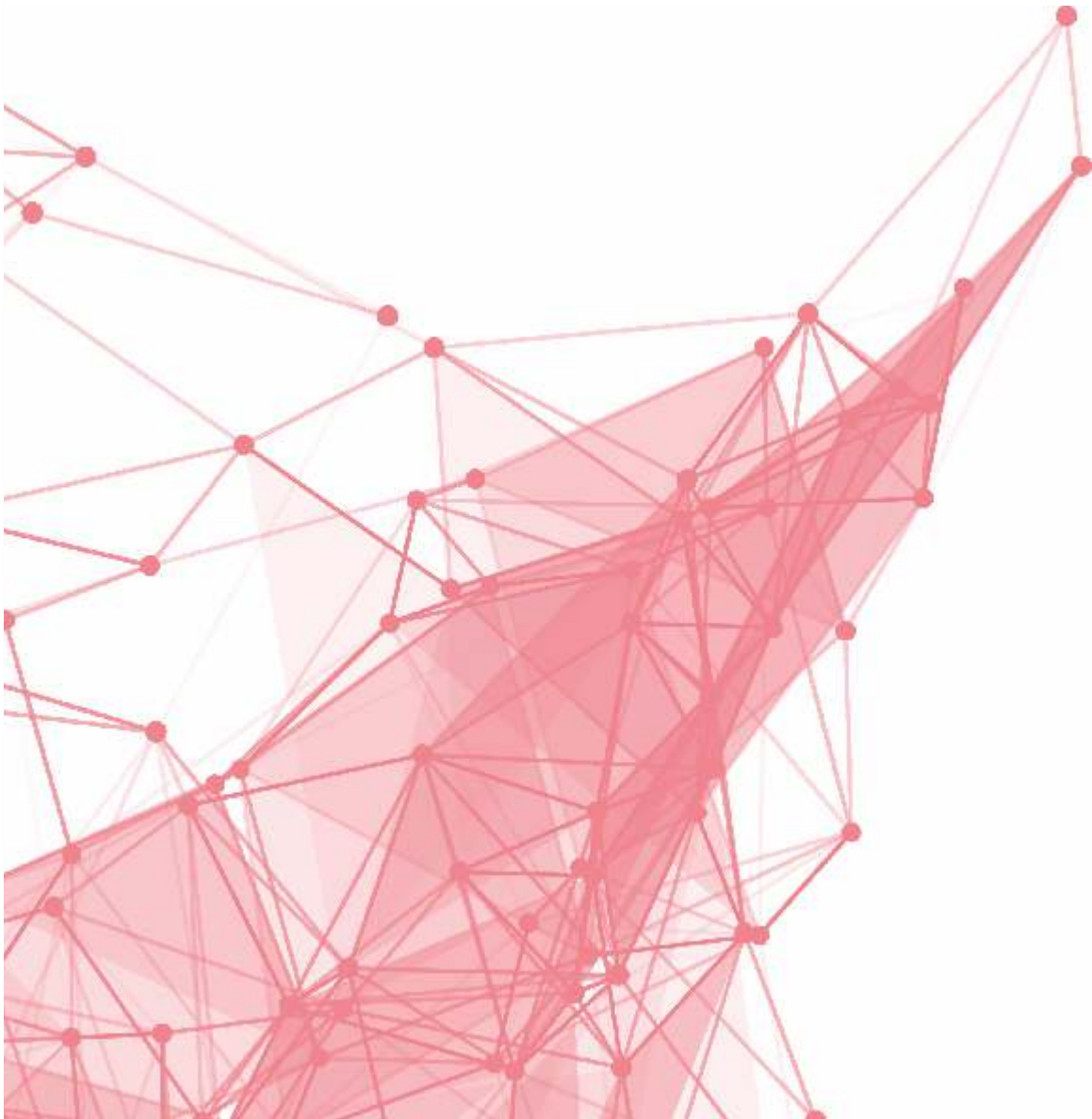
<b>Name of Project</b>	<b>Rourkela Smart City – CITY GOV Project</b>
<b>Project Location</b>	Rourkela City
<b>Area of the Project</b>	Pan city
<b>Approx. Project Cost</b>	INR 210.6 crore (USD 31.43 million)
<b>Focus Sector</b>	Smart Cities
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Development of Smart City App (comprising Employment/ Industry portal, Emergency response system, Grievance redressal system etc.)</li><li>• One-Stop Rourkela: Citizen Facilitation Centre</li><li>• Setting up of one stop Rourkela centres</li><li>• Setting up of command and control centre</li><li>• Setting up of OFC duct network</li><li>• Establishing WIFI hotspots</li><li>• Undertake GIS based mapping</li><li>• Setting up of data centre</li><li>• Digitization of records</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Opportunity for solution vendors</li><li>• PPP/Vendor opportunity for Public Wi-Fi and optical fibre</li><li>• Vendor opportunity for IOC and Citizen services</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Citizen Facilitation Centre comprising of 200 Touch screen kiosks, Call Centre, 40 Telemedicine/e-health centres, etc.</li><li>• Command and control centre</li><li>• OFC duct network</li><li>• WIFI hotspots</li><li>• Data centre</li></ul>
<b>Nodal Agency</b>	Rourkela Municipal Corporation

## 8.18. Rourkela Smart City – PARIBAHAN Project

<b>Name of Project</b>	<b>Rourkela Smart City – PARIBAHAN Project</b>
<b>Project Location</b>	Rourkela City
<b>Area of the Project</b>	Pan city
<b>Approx. Project Cost</b>	INR 62.6 crore (USD 9.34 million)
<b>Focus Sector</b>	Smart Cities
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• GPS tracking of 30 buses</li><li>• Battery operated e-Rickshaws with charging stations</li><li>• Adaptive Traffic Signals</li><li>• Smart Parking App</li><li>• Public Information System (PIS) at bus stops, junctions</li><li>• Fleet Management from Central Command &amp; Control Centre</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Vendor opportunities for Intelligent Road Asset Management Systems</li><li>• Opportunity for Network operators, Smart Parking vendors, and vendors for Adaptive Traffic Signals</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• ICT based intelligent traffic management system</li><li>• Adaptive traffic signals</li><li>• e-buses/e-rickshaws</li><li>• Smart parking</li><li>• Passenger information systems</li></ul>
<b>Nodal Agency</b>	Rourkela Municipal Corporation

## 8.19. Rourkela Smart City – Swachh Rourkela Project

<b>Name of Project</b>	<b>Rourkela Smart City – Swachh Rourkela Project</b>
<b>Project Location</b>	Rourkela City
<b>Area of the Project</b>	Pan city
<b>Approx. Project Cost</b>	INR 554.5 crore (USD 82.6 million)
<b>Focus Sector</b>	Smart Cities
<b>Status of Approvals</b>	Approved by Govt. of Odisha
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Clean City Initiatives</li><li>• Waste to Resource</li><li>• O &amp; M (collection &amp; segregation) for 5 years along with capex (transportation &amp; disposal) to be funded by the SPV.</li><li>• Treatment / Disposal will be done on PPP basis.</li></ul>
<b>Investment Opportunities</b>	Opportunity for Solid Waste Management service provider companies
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Sensor tagged waste bins</li><li>• Geo-tagged collection vehicles and other infrastructure assets</li></ul>
<b>Nodal Agency</b>	Rourkela Municipal Corporation





CHEMICALS,  
PETRO-CHEMICALS  
AND PLASTIC

# 9. Chemicals, Petro-Chemicals and Plastic

## 9.1. Petroleum, Chemicals and Petro-Chemicals Investment Region (PCPIR), Paradip

<b>Name of Project</b>	<b>PCPIR</b>
<b>Project Location</b>	District: Jagatsinghpur and Kendrapada, Town: Paradip
<b>Area of the Project</b>	284 sq. km
<b>Approx. Project Cost</b>	INR 13,643 crore (USD 2,041 million)
<b>Focus Sector</b>	Chemicals and Petro chemicals
<b>Employment</b>	Approx. 2,00,000 (Direct) and 4,50,000 (Indirect)
<b>Status of Approvals</b>	In-principle approval obtained. Master Plan under preparation.
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• The project is strategically located at Paradip anchored by the Paradip Port, the largest port on the east coast of India.</li><li>• Indian Oil Corporation Limited (IOCL), India's biggest state-owned oil and gas corporation, is the Anchor Tenant with the refinery under operation.</li><li>• The project has committed feedstock comprising of:<ul style="list-style-type: none"><li>• Paraxylene – 200 KTA (Kilo Tonnes Per Annum)</li><li>• Polypropylene – 700 KTA (Kilo Tonnes Per Annum)</li><li>• Petcoke – 1250 KTA (Kilo Tonnes Per Annum)</li><li>• Mono Ethylene Glyco – 400 KTA (Kilo Tonnes Per Annum)</li></ul></li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Integrated Petrochemical Products such as Polyester Chips, Fibres, PET Bottles, PET Chips, Sheets and Thermoforming</li><li>• Industrial Distillates</li><li>• Research &amp; Development</li><li>• Development of Infrastructure</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• The region is 2.5 km from NH-5A and 3 kms from SH-12</li><li>• Railway head is already present at Hardaspur within the region.</li><li>• The region is 120 kms from Bhubaneswar International Airport. The region however has a proposed airport to be built within the zone.</li><li>• The region is situated adjacent to Paradip Port</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• The Government ensures 24/7 power supply, which is estimated to require 2000 MW of power.</li><li>• 650 MLD water supply will be met by a perennial river source</li><li>• 5 MMTA Gail terminal and 5MMTA IOCL terminal will be developed as part of the region.</li><li>• Logistic hub will be developed within the region with truck parking, loading and unloading bays</li></ul>
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO)

## 9.2. Paradip Plastic Park

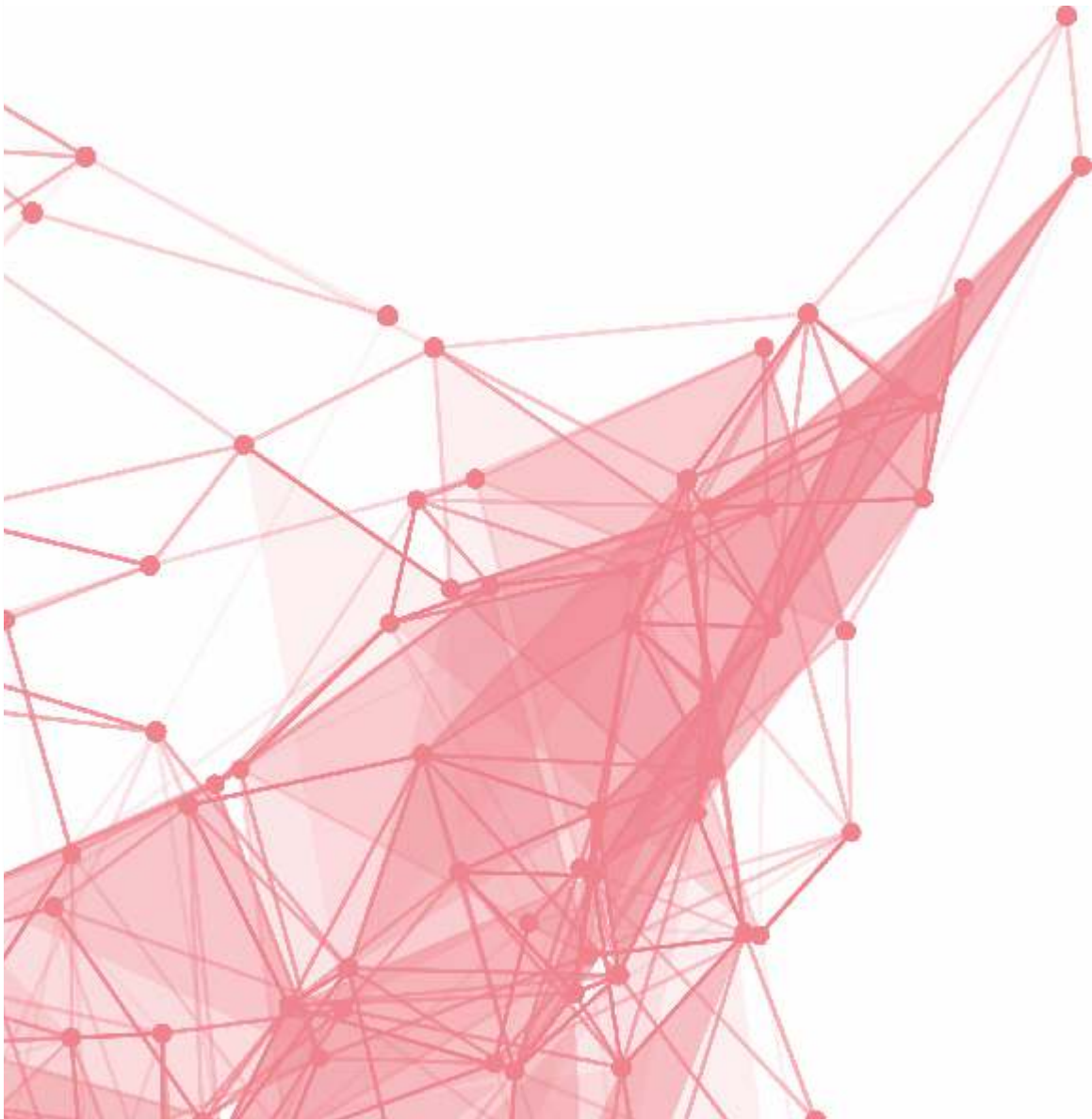
<b>Name of Project</b>	<b>Paradip Plastic Park</b>
<b>Project Location</b>	Siju Village, Kujang Tehsil, Jagatsinghpur District
<b>Area of the Project</b>	120 acres
<b>Approx. Project Cost</b>	INR 107 crore (USD 16 million)
<b>Focus Sector</b>	Chemicals and Petro chemicals
<b>Employment</b>	Approx. 10,000
<b>Status of Approvals</b>	Final approval received. MoA signed with GoI.
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• The park is present within the PCPIR adjacent to the IOCL refinery.</li><li>• It is expected to provide integrated infrastructure for making value added products like woven sacks, plastic pipes, injection moulded components, films, pouches, packaging products and other consumer plastic products. The project site will also include supporting infrastructures such as training institutes, research facilities and testing centres.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Major Opportunities include investment in injection moulding, blow &amp; roto moulding and extrusion moulding facilities.</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• The region is 2.5 km from NH-5A and 3 kms from SH-12</li><li>• Railway head is already present at Hardaspur within the region.</li><li>• The region is 120 kms from Bhubaneswar International Airport. The PCPIR, Paradip however has a proposed airport to be built within the region.</li><li>• The region is situated adjacent to Paradip Port.</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Commitment of 1.5 MLD of water from Water Resources Department, Odisha</li><li>• 22 MW of proposed power requirement to be met by Govt.</li></ul>
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO)

## 9.3. Development of Chemical units based on Coal Gasification

<b>Name of Project</b>	<b>Development of Chemical units based on Coal Gasification</b>
<b>Project Location</b>	Industrial locations of Talcher, Angul, Jajpur, Paradip
<b>Approx. Project Cost</b>	INR 160 crore (USD 24 million)
<b>Area of the Project</b>	25 - 30 acres at each location
<b>Employment</b>	Approx. 1000-2000 at each location
<b>Mode of Development</b>	Government / PPP/ Private
<b>Project Contours</b>	<p>Gol is planning to develop a policy for production of urea and ethanol based on coal gasification.</p> <p>Recognizing the potential of coal gasification, there are 2-3 projects already underway in Odisha. These are:</p> <ul style="list-style-type: none"><li>• RCF's urea plant: - Urea from Coal gasification: GAIL (India) Limited, Coal India Limited (CIL), Rashtriya Chemicals and Fertilizers (RCF) and Fertilizer Corporation of India Limited (FCIL) have signed Joint Ventures Agreements (JVAs) to set up an Integrated Coal Gasification cum Fertilizer and Ammonium Nitrate complex at Talcher in Odisha.</li><li>• JSPL (Jindal Steel and Power Limited) has recently set-up coal gasification unit in Angul, Odisha. Lurgi is the technology supplier.</li><li>• IOCL has done a JV with Celanese (also the technology supplier) for setting up an ethanol and acetic acid plant via petcoke gasification at Paradip (Odisha).</li></ul> <p>More such plants will be encouraged for manufacturing of urea and ethanol, along with downstream chemicals</p>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Development of industrial infrastructure</li></ul>
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO)

## 9.4. Development of a chemical and pharmaceutical cluster in Berhampur

<b>Name of Project</b>	<b>Development of chemical and pharmaceutical cluster in Berhampur</b>
<b>Project Location</b>	Berhampur
<b>Approx. Project Cost</b>	INR 10 crore (USD 1.5 million) for the development of common utilities and CETP at the cluster site.
<b>Area of the Project</b>	50-80 acre
<b>Employment</b>	Approx. 1000-5000
<b>Mode of Development</b>	Public Private Partnership
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Berhampur is industrial hub for food and textiles.</li><li>• Jayashree Chemicals, a large manufacturing company producing basic chemicals, has its base in Berhampur. Besides this, about 385 small scale chemical units 86 with an invested capital of over INR 10 Crore, employing over 2500 people, are also present in the district. This makes it a suitable location for expansion of the chemical cluster.</li><li>• Essential chemicals include caustic soda which is the most basic alkali used in all industries (Aluminum, Textiles, Surfactants, Paper, Inorganic Chemicals, Organic Chemicals), and need basic salt for production. Odisha's salt production is primarily done in Ganjam and Sumadi, and hence is location-convenient.</li><li>• Berhampur is only 40 minutes from Gopalpur via NH-59 (15 km). Gopalpur has an operational port which is an enabler for a growing industrial zone. The port also has a proposed SEZ which is expected to attract investments of INR 10,000 crore and opportunities for employment for 10,000 people. The SEZ is expected to house industries in steel, allied downstream, chemical, engineering and emerging sectors.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Development of industrial infrastructure</li></ul>
<b>Nodal Agency</b>	Odisha Industrial Infrastructure Development Corporation (IDCO)



ENERGY

# 10. Energy

## 10.1. Development of Solar Parks of 1000 MW in Odisha

<b>Name of Project</b>	<b>Development of Solar Park of 1000 MW in Odisha</b>
<b>Project Locations</b>	2 locations in Balasore Keonjhar Deogarh Boudh Kalahandi Angul
<b>Area of the Project</b>	6,087.28 acres
<b>Approx. Project Cost</b>	INR 5,000 crore (USD 750 million)
<b>Focus Sector</b>	Renewable Energy (Solar)
<b>Status of Approvals</b>	Project preparation activities underway
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Solar PV projects will be developed at 7 Nos of sites spread across 6 districts of the State</li><li>• The projects are envisaged to be developed under the Solar Park scheme of MNRE</li><li>• The project envisages to seek World Bank funding for the development of internal infrastructure, such as substations and associated transmission lines, of the project.</li><li>• The implementing agency is GEDCOL</li></ul>
<b>Investment Opportunities</b>	The interested firms could bid for the project upon commencement of the bid process by GEDCOL
<b>Connectivity</b>	The transmission infrastructure for connecting the project to the grid is envisaged to be funded using World Bank financing.
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Land required for the development of 1000 MW solar PV projects</li><li>• Road connectivity</li><li>• Evacuation infrastructure</li></ul>
<b>Nodal Agency</b>	Green Energy Development Corporation of Odisha Limited (GEDCOL)



TOURISM

# 11. Tourism

## 11.1. Destination Development – Satapada, Puri

<b>Name of Project</b>	<b>Destination Development under Coastal Circuit, Odisha - Satapada, Puri</b>
<b>Project Location</b>	Satapada, Puri district
<b>Approx. Project Cost</b>	INR 5.23 crore (USD 0.78 million)
<b>Focus Sector</b>	Tourism
<b>Status of Approvals</b>	Approved by Ministry of Tourism, Government of India under Swadesh Darshan Scheme.
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Satapada is the home of Irrawady dolphins in Chilka Lake and attracts large number of tourists</li><li>• The main attraction at Satapada is its Chilika boating and Dolphin watch</li><li>• The project envisages creation of enabling infrastructure for development of Satapada as a major tourism destination along the Coastal Circuit.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Construction of proposed infrastructure facilities</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• Nearest Railhead – Puri (50 Km)</li><li>• Nearest airport – Biju Patnaik International Airport, Bhubaneswar (105 Km)</li><li>• Connected by National Highway 203 &amp; 203A</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Jetty for Ferry Ride</li><li>• Tourist Reception Center</li><li>• Approach Road</li><li>• Solar Lighting (Small)</li><li>• Solar Street Lights</li><li>• Jetty for Speed Boats</li><li>• Solid Waste Management</li><li>• Sewage Treatment Plant</li></ul>
<b>Nodal Agency</b>	Odisha Tourism Development Corporation (OTDC)

## 11.2. Destination Development – Barkul, Khurdha

<b>Name of Project</b>	<b>Destination Development under Coastal Circuit, Odisha – Barkul, Khurdha</b>
<b>Project Location</b>	Barkul, Khurdha district
<b>Approx. Project Cost</b>	INR 9.87 crore (USD 1.5 million)
<b>Focus Sector</b>	Tourism
<b>Status of Approvals</b>	Approved by Ministry of Tourism, Government of India under Swadesh Darshan Scheme.
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• A major tourism attraction in Odisha, Barkul is located between hills on one side and the largest brackish water lake in Asia, Lake Chilika covering an area of over 1,100 sq. km</li><li>• Barkul has an existing OTDC Water Sports Complex</li><li>• The project envisages creation of enabling infrastructure for development of Barkul as a major tourism destination along the Coastal Circuit.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Construction of proposed infrastructure facilities</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• Nearest Railhead – Balugaon (5 Km)</li><li>• Nearest airport – Biju Patnaik International Airport, Bhubaneswar (103 Km)</li><li>• Connected by National Highway NH-5</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Water sports (Banana Boat, Water Zorbing, Bandwagon, Grandstand etc)</li><li>• Floating Restaurant (100 Seat)</li><li>• Jetty for ferry ride</li><li>• Solar Street Lighting</li><li>• Golf Carts, Gazebos and Benches</li><li>• Road Enhancement</li><li>• Solid Waste Management</li><li>• Sewage Treatment Plant</li></ul>
<b>Nodal Agency</b>	Odisha Tourism Development Corporation (OTDC)

## 11.3. Destination Development – Tampara, Ganjam

<b>Name of Project</b>	<b>Destination Development under Coastal Circuit, Odisha – Tampara Lake, Ganjam</b>
<b>Project Location</b>	Tampara lake, Chhatrapur, Ganjam district
<b>Approx. Project Cost</b>	INR 33.4 crore (USD 5 million)
<b>Focus Sector</b>	Tourism
<b>Status of Approvals</b>	Approved by Ministry of Tourism, Government of India under Swadesh Darshan Scheme.
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• About 12 km from Chhatrapur, Tampara is a fresh water natural lake and one of the major tourist attractions in the region.</li><li>• Tampara lake is 8 Km long and 0.8 Km wide</li><li>• Boating, jungle trek and excursion are the major tourism activities</li><li>• The project envisages creation of enabling infrastructure for development of Tampara lake as a major tourism destination along the Coastal Circuit.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Construction of proposed infrastructure facilities</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• Nearest Railhead – Chatrapur (12 Km)</li><li>• Nearest airport – Biju Patnaik International Airport, Bhubaneswar (150 Km)</li><li>• Connected by National Highway NH-5</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Water Park</li><li>• Big Jetty</li><li>• Eco - Cottages 12 Rooms</li><li>• Tourist Reception Centre</li><li>• Enhancement of Water Sports (5 Jet ski &amp; 5 Speed Boat)</li><li>• Solid Waste management</li><li>• Solar Street Lighting</li><li>• Roads</li></ul>
<b>Nodal Agency</b>	Odisha Tourism Development Corporation (OTDC)

## 11.4. Destination Development – Special Tourism Area at Gopalpur, Ganjam

<b>Name of Project</b>	<b>Destination Development under Coastal Circuit, Odisha – Special Tourism Area at Gopalpur, Ganjam</b>
<b>Project Location</b>	Gopalpur, Ganjam district
<b>Approx. Project Cost</b>	INR 42.75 crore (USD 6.4 million)
<b>Focus Sector</b>	Tourism
<b>Status of Approvals</b>	Approved by Ministry of Tourism, Government of India under Swadesh Darshan Scheme.
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Famous sea beach and tourist destination around 15 km from Berhampur</li><li>• Gopalpur has existing OTDC Water Sports Complex</li><li>• Wind Surfing, Rowing, Scuba Diving, Swimming, Paddle Boat, Water Scooter are some of the major sports and fun rides being provided for tourists as well as professionals</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Construction of proposed infrastructure facilities</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• Nearest Railhead – Balugaon (5 Km)</li><li>• Nearest airport – Biju Patnaik International Airport, Bhubaneswar (170Km)</li><li>• Connected by National Highway NH-5</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Aquatic Centre</li><li>• Water Sports Complex</li><li>• Tourist Reception Center</li><li>• Sand Art Park</li><li>• Marine Museum</li><li>• Solid Waste management</li><li>• Solar Street Lighting</li><li>• Roads</li></ul>
<b>Nodal Agency</b>	Odisha Tourism Development Corporation (OTDC)

## 11.5. Chilika Development Authority – Aranya Eco Village, Ganjam

<b>Name of Project</b>	<b>Destination Development – Aranya Eco village</b>
<b>Project Location</b>	Khallikote, Ganjam district
<b>Area of the Project</b>	2.5 acres
<b>Approx. Project Cost</b>	INR 13 crore (USD 2 million)
<b>Focus Sector</b>	Tourism
<b>Status of Approvals</b>	Master Plan under final stages of approval
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Capacity of the proposed Eco Village would be 40 traditional cottages.</li><li>• The village would act as base for adventure activities in forest &amp; Salia Dam such as 1 day / 2 day / 3 day forest trails, tree walks, hurdle trails etc.</li><li>• A village with cottages carefully designed from eco - friendly materials resembling ethnic huts found in the locality. It would merge into the surrounding terrain.</li><li>• The village would provide unique staying facility with flavors of local lifestyle to the tourists visiting Mangalajodi and Nairi.</li><li>• The tourist will enjoy local cuisines at the restaurant developed with rustic design and interior after a rejuvenating experience at spa and naturopathy centre.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Construction of support infrastructure and built infrastructure</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• Site is located at around 5 Km from NH – 5 connecting Bhubaneswar and Berhampur</li><li>• Nearest airport – Biju Patnaik International Airport, Bhubaneswar (50 Km)</li></ul>
<b>Proposed Infrastructure</b>	<ul style="list-style-type: none"><li>• Natures Trail</li><li>• 40 Eco cottages</li><li>• Solid Waste management</li><li>• Solar Street Lighting</li></ul>
<b>Nodal Agency</b>	Chilika Development Authority

## 11.6. Chilika Development Authority – Iconic Tower, Satapada

<b>Name of Project</b>	<b>Chilika Development Authority – Iconic Tower</b>
<b>Project Location</b>	Satapada, District : Puri
<b>Area of the Project</b>	10 acres
<b>Approx. Project Cost</b>	INR 74 crore (USD 11 million)
<b>Focus Sector</b>	Tourism
<b>Status of Approvals</b>	Master Plan under final stages of approval
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Iconic tower is envisage as symbol of Chilika that will be visible from far</li><li>• From its top viewing gallery, Sea Mouth, Nalaben, Barkul, Honeymoon Island, Rambha and other landmarks will be visible.</li><li>• Other activities includes-<ul style="list-style-type: none"><li>• Lagoon Park - that houses Aquarium, Marine Zoo,</li><li>• Auditorium (for 150 people), Bird Galleries.</li><li>• Amenities corner/Food Court to accommodate</li><li>• 250-300 people at one time.</li><li>• An Amphitheatre which will house a laser based audio visual show telling the story of Chilika.</li></ul></li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Construction of support infrastructure and built infrastructure</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• Site is located at around 5 Km from NH – 203 A connecting Satpada and Puri</li><li>• Nearest airport – Biju Patnaik International Airport, Bhubaneswar (110Km)</li><li>• Satapada has water way connectivity to other clusters.</li></ul>
<b>Nodal Agency</b>	Chilika Development Authority

## 11.7. Chilika Development Authority – Day Cruise

<b>Name of Project</b>	<b>Chilika Development Authority – Day Cruise</b>
<b>Project Location</b>	Satapada to Barkul
<b>Approx. Project Cost</b>	INR 4.6 crore (USD 0.7 million)
<b>Focus Sector</b>	Tourism
<b>Status of Approvals</b>	Master Plan under final stages of approval
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Positioned to experience the vastness of the lake and to cover significant spots.</li><li>• Day trip would be in a Cruise Ship with viewing gallery on upper deck and restaurant/cafe, sitting cum viewing area on lower deck. Fitted with binoculars &amp; guides for complete experience.</li><li>• Two ships stationed at Satapada and one at Barkul. Both locations could offer morning and evening tours lasting 4-5 hours each.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Construction of support infrastructure and built infrastructure</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• Site is located at around 5 Km from NH – 203A connecting Satpada and Puri</li><li>• Nearest airport – Biju Patnaik International Airport, Bhubaneswar (100 Km)</li></ul>
<b>Nodal Agency</b>	Chilika Development Authority



## 11.8. Chilika Development Authority – Water Sports at Rambha

<b>Name of Project</b>	<b>Chilika Development Authority – Water Sports at Rambha</b>
<b>Project Location</b>	Rambha
<b>Approx. Project Cost</b>	INR 5 crore (USD 0.75 million)
<b>Focus Sector</b>	Tourism
<b>Status of Approvals</b>	Master Plan under final stages of approval
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• The project would provide wide range of water based recreational activities such as daytime water sports and laser show in evening which can be attractions to promote the node.</li><li>• The proposed project positions Rambha as an adventure destination. Children and young tourists would be the target segments.</li><li>• Locals can be employed for operation and maintenance of the project after adequate training. The visitors can also get training for water sports from the professional trainers.</li><li>• The activities can be operated from existing jetty at Rambha with installation of additional floating jetties for smooth and hassle free operations. The tourists can enjoy a water laser show and water stunts conducted by the professionals in the evening as promotional feature.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Construction of support infrastructure and built infrastructure</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• Rambha is around 100 kms from Capital city of Bhubaneswar</li><li>• Rambha lies at a distance of 3 Km from NH - 5</li></ul>
<b>Nodal Agency</b>	Chilika Development Authority

## 11.9. Chilika Development Authority – Luxury Resort & Convention Centre

<b>Name of Project</b>	<b>Luxury Resort &amp; Convention Center at Rambha</b>
<b>Project Location</b>	Rambha
<b>Area of the Project</b>	33 acres
<b>Approx. Project Cost</b>	INR 187 crore (USD 28 million)
<b>Focus Sector</b>	Tourism
<b>Status of Approvals</b>	Master Plan under final stages of approval
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Rambha site provides an opportunity to capture tourist of the thriving leisure and corporate (MICE) segment in the hills-water sub-segment.</li><li>• Proposal for a high end luxury resort with an international convention centre.</li><li>• Accommodation 84 units (Lake view villas, deluxe rooms etc)</li><li>• Restaurant 1440 persons per day</li><li>• Auditorium facilities 500 persons</li><li>• Café 360 persons per day</li><li>• Main Hall 1000 persons</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Construction of support infrastructure and built infrastructure</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• Rambha is around 100 km from Capital city of Bhubaneswar</li><li>• Rambha lies at a distance of 3 Km from NH - 5</li></ul>
<b>Nodal Agency</b>	Chilika Development Authority

## 11.10. Chilika Development Authority – Tourism Node at Mangaljodi

<b>Name of Project</b>	<b>Tourism Node at Mangaljodi</b>
<b>Project Location</b>	Mangaljodi
<b>Area of the Project</b>	4 acres
<b>Approx. Project Cost</b>	INR 21 crore (USD 3.15 million)
<b>Focus Sector</b>	Tourism
<b>Status of Approvals</b>	Master Plan under final stages of approval
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Mangaljodi is known for its scenic beauty and migratory birds</li><li>• Large piece of land next to village with access road bypassing the village is ideal for creating an Integrated Tourist Node with following facilities:<ul style="list-style-type: none"><li>• 49 room hotel</li><li>• Parking for visitors</li><li>• Tourist Interpretation Centre, Restaurant, Cafe, ATM and Convenience Stores</li><li>• Handicrafts and Souvenir Stores</li><li>• Police Post &amp; Primary Health Centre</li><li>• Emergency Services.</li></ul></li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Construction of support infrastructure and built infrastructure</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• Mangaljodi is around 75 km from Capital city of Bhubaneswar</li><li>• Mangaljodi lies at a distance of 5 Km from NH - 5</li></ul>
<b>Nodal Agency</b>	Chilika Development Authority

## 11.11. Chilika Development Authority – Tourism Node at Rambha

<b>Name of Project</b>	<b>Tourism Node at Rambha</b>
<b>Project Location</b>	Rambha
<b>Area of the Project</b>	6 acres
<b>Approx. Project Cost</b>	INR 37 crore (USD 5.5 million)
<b>Focus Sector</b>	Tourism
<b>Status of Approvals</b>	Master Plan under final stages of approval
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Capacity of Panthanivas developed by State Tourism (OTDC) at Rambha is exhausted.</li><li>• Existing Panthanivas at Rambha, can be redeveloped as tourism node which would have cluster of budget hotels, tourists' amenities, parking along with an interpretation centre and jetty for water based recreation activities.</li><li>• The room demand at Rambha could increase upto approx 370 rooms by 2020 and 900 rooms by 2025.</li><li>• Capacity of the proposed hotel would be 94 rooms with shops in basement and parking facilities.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Construction of support infrastructure and built infrastructure</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• Rambha is around 100 km from Capital city of Bhubaneswar</li><li>• Rambha lies at a distance of 3 Km from NH - 5</li></ul>
<b>Nodal Agency</b>	Chilika Development Authority

## 11.12. Chilika Development Authority – Hotels Hub at Satapada

<b>Name of Project</b>	<b>Hotels Hub at Satapada</b>
<b>Project Location</b>	Satapada
<b>Area of the Project</b>	2 acres
<b>Approx. Project Cost</b>	INR 21 crore (USD 3.15 million)
<b>Focus Sector</b>	Tourism
<b>Status of Approvals</b>	Master Plan under final stages of approval
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Satapada receives significant diversion of day tourists from Puri.</li><li>• The projected demand for accommodation at Satapada is approx. 390 rooms by 2020 and 700 rooms by 2025.</li><li>• Proposed cluster of 2 star and 3 star category hotels at Satapada would encourage the tourists to stay which would help the local economy.</li><li>• Initially 60 rooms are proposed to be constructed at a cost of Rs. 20.54 crore (escalated). (1 hotel of 60 rooms or 2 hotels with 30 rooms each).</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Construction of support infrastructure and built infrastructure</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• Site is located at around 5 Km from NH – 203 A connecting Satapada and Puri</li><li>• Nearest airport – Biju Patnaik International Airport, Bhubaneswar (100Km)</li></ul>
<b>Nodal Agency</b>	Chilika Development Authority

## 11.13. Chilika Development Authority – Eco Village at Rambha

<b>Name of Project</b>	<b>Tourism Node at Rambha</b>
<b>Project Location</b>	Rambha
<b>Area of the Project</b>	5 acres
<b>Approx. Project Cost</b>	INR 10 crore (USD 1.5 million)
<b>Focus Sector</b>	Tourism
<b>Status of Approvals</b>	Master Plan under final stages of approval
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Chilika has many islands that are preserved because of CRZ-I guidelines. They offer an exquisite and unique opportunity for camping or similar activity that will maintain the environment.</li><li>• Log huts, wooden chalets or huts of any other eco-friendly material and tents on island would provide self-contained units for tourists interested in staying at secluded places.</li><li>• The room demand at Rambha could increase up to approx 370 rooms by 2020 and 900 rooms by 2025.</li><li>• Capacity of the proposed Eco Village would be 45 units which include wooden cottages, chalets and camps.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Construction of support infrastructure and built infrastructure</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• Rambha is around 100 km from Capital city of Bhubaneswar</li><li>• Rambha lies at a distance of 3 Km from NH - 5</li></ul>
<b>Nodal Agency</b>	Chilika Development Authority

INVESTMENT  
OPPORTUNITIES FOR  
DOWN STREAM  
INDUSTRIES

# 12. Investment Opportunities for Down Stream Industries

## 12.1. Aluminium

<b>Project Location:</b>	<b>Angul &amp; Jharsuguda</b>
<b>Area Required:</b>	900 sq. m. to 5 acre
<b>Manpower Requirement:</b>	10 to 65 per unit
<b>Level of Investments:</b>	INR 0.2 crore - INR 15 crore (USD 30,000 - 2.23 million)
<b>Nodal Agency:</b>	Industrial Promotion & Investment Corporation of Odisha Limited (IPICOL)

### List of Opportunities for manufacturing of

1. Aluminium Die Casting
2. Aluminium Shots & Notch Bars
3. Aluminium Wire Rod
4. Aluminium Powder
5. Caps and Closures
6. Fabricated Aluminium Products
7. Aluminium Circles
8. ACSR Grade Aluminium Conductors
9. AAAC Grade Aluminium Conductors
10. Aluminium Extrusion
11. Aluminium Forgings
12. Aluminium Hinges
13. Aluminium Utensils
14. Aluminium Recycling Plant
15. Aluminium Tower Bolts
16. Vanatian Blinds
17. Anodising Plant
18. Centralised Metal Testing Laboratory
19. Aluminium Dross Processing
20. Expanded Metal Mesh Manufacturing

\*Detailed Profiles of the above Projects can be downloaded from [www.investodisha.org/MIO/projects](http://www.investodisha.org/MIO/projects)



## 12.2. Stainless Steel

<b>Project Location:</b>	<b>Jharsuguda &amp; Kalinganagar</b>
<b>Area Required:</b>	200 sq. m. to 4,000 sq. m.
<b>Manpower Requirement:</b>	8 to 35 workers per shift
<b>Level of Investments:</b>	INR 0.75 crore - INR 10 crore (USD 0.1 million - 1.5 million)
<b>Nodal Agency:</b>	Industrial Promotion & Investment Corporation of Odisha Limited (IPICOL)

### List of Opportunities for manufacturing of

1. Cutlery
2. Bathroom Fixture
3. Sinks
4. Staplers
5. Stainless Steel Drum and Bucket
6. Fasteners (Bolts)
7. SS Flanges
8. Self-Tapping Screws
9. Hinges
10. Razor Blades
11. Stainless Steel Westwood Rims and Mud Guard
12. Stainless Steel Wire
13. Bright Bars
14. Stainless Steel Pipes
15. Stainless Steel Structures
16. Pencil INGOT Caster for Stainless Steel
17. Stainless Steel Annealing Shop
18. Re-rolling mills for Stainless Steel INGOTs
19. Fabrication shops for smaller items
20. Fabrication shops for larger items
21. Service Centre
22. Expanded Metal Mesh Manufacturing Unit

\*Detailed Profiles of the above Projects can be downloaded from [www.investodisha.org/MIO/projects](http://www.investodisha.org/MIO/projects)

## 12.3. Steel

<b>Project Location:</b>	<b>Jharsuguda &amp; Kalinganagar</b>
<b>Area Required:</b>	200 sq. m. to 8,000 sq. m.
<b>Manpower Requirement:</b>	5 to 36 workers per unit
<b>Level of Investments:</b>	INR 0.45 crore - INR 8 crore (USD 67,000 - 1.2 million)
<b>Nodal Agency:</b>	Industrial Promotion & Investment Corporation of Odisha Limited (IPICOL)

### List of Opportunities for manufacturing of

1. Hinges
2. Link Chains
3. Welding Electrodes
4. Hacksaw Blades
5. Self Tapping Screws
6. Production of Wire Nail
7. Corrugated Sheets
8. Adjustable Hospital Beds
9. Agricultural Implements
10. Barbed wire
11. Expanded Metal Mesh
12. Cable Tray
13. Electric Panel
14. Bar Bending & Mesh Making
15. Wire Drawing Plant
16. Lancing Pipe
17. Steel Furniture
18. Steel Pipes
19. Motor Rewinding Shop
20. Galvanising facilities for structural pipes
21. Pipe Coating Plant
22. Fabrication Shop
23. Forging Shop
24. Foundry Shop

\*Detailed Profiles of the above Projects can be downloaded from [www.investodisha.org/MIO/projects](http://www.investodisha.org/MIO/projects)

SKILL  
DEVELOPMENT

# 13. Skill Development

## 13.1. Skill Development Centres across the state

<b>Name of Project</b>	<b>Skill Development Centres across the State</b>
<b>Project Locations</b>	<ol style="list-style-type: none"><li>1. Siruli, Puri</li><li>2. Chandrabahal, Angul</li><li>3. Hidigaon, Chandipur, Balasore</li><li>4. Chandma, JK Roa, jajpur</li><li>5. Tentia, Baragarh</li><li>6. Hatibadi, Gopinathpur, Gajapati</li><li>7. Pulbani, Kandhamal</li><li>8. Patrapalli, Kolabira, Jharsuguda</li><li>9. Khamar, Keshpur, Kendrapada</li><li>10. Taira, Ranital, Bhadrak</li><li>11. Agnipur, Mouza, Nabarangpur</li><li>12. Begunia, Khurda</li><li>13. Pallahara, Angul</li></ol>
<b>Project Contours</b>	Govt. of Odisha is establishing Skill Development Centres across all districts to ensure availability of training infrastructure across the State. These SDCs are proposed to be operated under Public Private Partnership (PPP) mode.
<b>Mode of Private Participation</b>	Private Partners are invited to operate and maintain the Skill Development Centre and train students on various approved trades in the Priority Sectors of the State.
<b>Training Capacity</b>	Approx. 100 – 120 in one shift
<b>Nodal Agency</b>	Odisha State Employment Mission (OSEMS) & Directorate of Employment

## 13.2. Skill Development Training Extension Centres under OSEMS

### Name of Project

### Project Locations

### Skill Development Training Extension Centres under OSEMS

1. Government Polytechnic, Angul
2. Government Polytechnic, Balasore
3. ITI, Balasore
4. Government Polytechnic, Bhadrak
5. ITI, Bargarh – 2nd campus at Kantapalli
6. Government Polytechnic, Boudh
7. ITI, Bolangir
8. ITI, Kantabanji
9. ITT, Choudwar
10. SDC, Badamba
11. ITI, Barkote
12. Government Polytechnic, Dhenkanal
13. ITI, Mohana
14. ITI, Gumma
15. ITI, Berhampur
16. SDC, Shergarh
17. New ITI, Jajpur
18. JES, Jharsuguda
19. SIPT (ITI), Pattamundai – 2nd campus
20. Government Polytechnic, Bhubaneswar
21. ITI, Phulbani
22. Government Polytechnic, Phulbani
23. OEME, Keonjhar
24. New ITI, Laxmipur
25. GITI, Ambaguda
26. ITI, Bhawanipatna
27. Government Polytechnic, Kalahandi
28. ITI, Takatpur
29. Government Polytechnic, Mayurbhanj
30. ITI, Malkangiri
31. New Government ITI, Nayagarh

32. Government Polytechnic, Nuapada
33. SDC, Kodinga, Kosagunda (KVY)
34. SDC, Dabugaon (KVY)
35. SDC, Nandahandi (KVY)
36. SDC, Krushnaprasad
37. ITI, Rayagada
38. ITI, Hirakud
39. New ITI, Rasanpur (LWE)
40. ITI, Sonapur
41. ITI, Rourkela
42. UGIE, Rourkela

#### Project Contours

Govt. of Odisha is establishing Skill Development Training Extension Centres across all districts to ensure availability of training infrastructure across the State. These Training Extension Centres are proposed to be operated under Public Private Partnership (PPP) mode.

#### Mode of Private Participation

Private Partners are invited to operate and maintain the Skill Development Centre and train students on various approved trades in the Priority Sectors of the State.

#### Training Capacity

Approx. 100 – 120 in one shift

#### Nodal Agency

Odisha State Employment Mission (OSEMS) & Directorate of Employment

## 13.3. Development of Sector Specific Skill Development Centres

<b>Name of Project</b>	<b>Sector Specific Skill Development Centres</b>
<b>Project Locations</b>	<ol style="list-style-type: none"><li>1. Jharsuguda</li><li>2. Rourkela</li><li>3. Keonjhar</li><li>4. Paradip</li><li>5. Dhenkanal</li><li>6. Angul</li><li>7. Jagatsinghpur</li><li>8. Jajpur</li><li>9. Sambalpur</li></ol>
<b>Investment</b>	INR 90 Crore (USD 13.5 million)
<b>Land Area</b>	10 acres of land required for each cluster
<b>Mode of Development</b>	Public Private Partnership
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Govt. of Odisha is planning to setup Sector Specific Skill Development Centers in the nine major districts of presence of the downstream industries.</li><li>• These centers will be conceived as Centers of Excellence (CoEs) and shall work in close coordination with the eminent industry players, Sector Skill Councils (SSCs) and Training Service Providers (TSPs).</li><li>• CoEs, will conduct higher NSQF level courses and also support the broader skill development ecosystem by conducting Train the Trainer programs, curriculum and pedagogy development and setting international training standards etc.</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Development of the built infrastructure, Operation and Maintenance and Skill development</li></ul>
<b>Nodal Agency</b>	Department of Skill Development and Technical Education

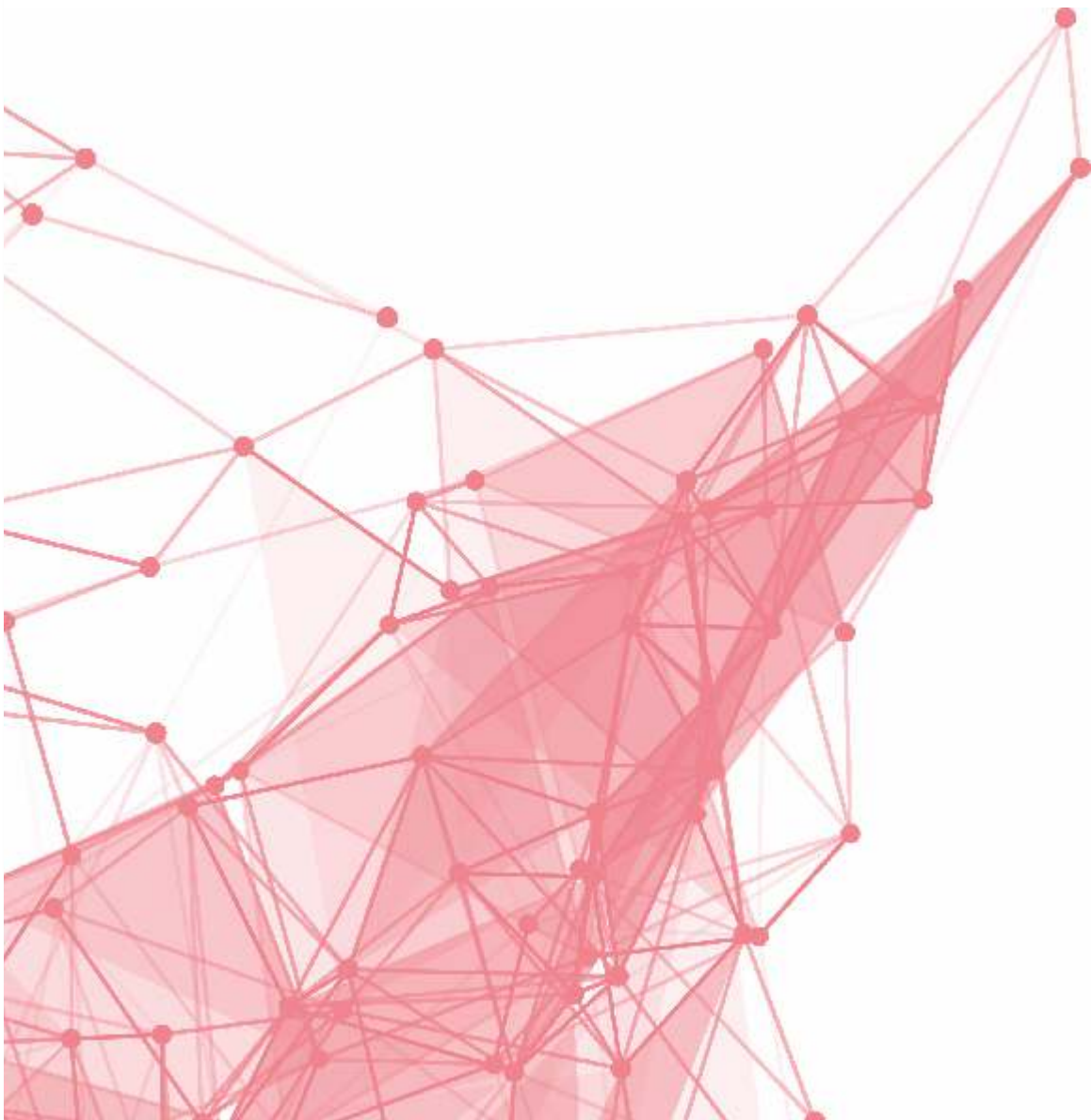
## 13.4. Advanced Skills Training Institute (ASTI) – Model A

<b>Name of Project</b>	<b>Advanced Skills Training Institute (ASTI) – Model A</b> <b>under Odisha Skill Development Project (OSDP) supported by ADB</b>
<b>Project Location</b>	Locations for Model A: Bhubaneswar, Berhampur, Jeypore (Koraput district), Titlagarh (Bolangir district), Jharsuguda, Rourkela
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Finishing and Advanced skills linked to employment for 170,000 youth</li><li>• Recognition of Prior Learning and Self-Employment for 30,000 youth</li><li>• 8 ASTIs and 30 ITIs to operate in a Hub &amp; Spoke model</li><li>• Training of 20,000 trainers and a cadre of 250 Master Trainers</li><li>• International level quality assurance and benchmarking</li><li>• Technology enable teaching and learning</li><li>• Professional management through Odisha Skill Development Society (OSDS)</li></ul>
<b>Mode of Private Participation</b>	<ul style="list-style-type: none"><li>• Training operations of ASTIs (selection through ASTI operations bid)</li><li>• Civil construction of ASTIs (selection through civil construction bid)</li><li>• Equipment supply to ASTIs (selection through equipment supply bid)</li><li>• Quality Assurance Consultants (selection of firm through QAC bid)</li><li>• Project Management Consultants (selection of firm through PMC bid)</li><li>• Self Employment Operator (selection of firm through SEO bid)</li></ul>
<b>Training Capacity</b>	Each ASTI to target 3000-4000 youth per year as below <ul style="list-style-type: none"><li>• ITI pass outs – not in employment, not in training</li><li>• Unemployed engineers, graduates, polytechnic students/ graduates</li><li>• Customized skill up-gradation of existing workforce</li></ul>
<b>Investment Envisaged</b>	ASTIs (Model A) <ul style="list-style-type: none"><li>• No Capital Investment</li><li>• Working Capital Investment for training operations</li><li>• Revenue generation and payback to OSDS</li></ul>
<b>Nodal Agency</b>	Odisha Skill Development Society



## 13.5. Advanced Skills Training Institute (ASTI) – Model B

<b>Name of Project</b>	<b>Advanced Skills Training Institute (ASTI) – Model B under Odisha Skill Development Project (OSDP) supported by ADB</b>
<b>Project Location</b>	Locations for Model B: Any two locations in Odisha as proposed by the private operator where it holds land and building to operate an ASTI. To avoid coinciding with Model 'A' locations
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Finishing and Advanced skills linked to employment for 170,000 youth</li><li>• Recognition of Prior Learning and Self-Employment for 30,000 youth</li><li>• 8 ASTIs and 30 ITIs to operate in a Hub &amp; Spoke model</li><li>• Training of 20,000 trainers and a cadre of 250 Master Trainers</li><li>• International level quality assurance and benchmarking</li><li>• Technology enable teaching and learning</li><li>• Professional management through Odisha Skill Development Society (OSDS)</li></ul>
<b>Mode of Private Participation</b>	<ul style="list-style-type: none"><li>• Training operations of ASTIs (selection through ASTI operations bid)</li><li>• Civil construction of ASTIs (selection through civil construction bid)</li><li>• Equipment supply to ASTIs (selection through equipment supply bid)</li><li>• Quality Assurance Consultants (selection of firm through QAC bid)</li><li>• Project Management Consultants (selection of firm through PMC bid)</li><li>• Self Employment Operator (selection of firm through SEO bid)</li></ul>
<b>Training Capacity</b>	Each ASTI to target 3000-4000 youth per year as below <ul style="list-style-type: none"><li>• ITI pass outs – not in employment, not in training</li><li>• Unemployed engineers, graduates, polytechnic students/ graduates</li><li>• Customized skill up-gradation of existing workforce</li></ul>
<b>Investment Envisaged</b>	ASTIs (Model B) <ul style="list-style-type: none"><li>• Use of existing land and building. Joint Ventures would be allowed.</li><li>• Working Capital Investment for training operations</li><li>• Revenue generation and payback to OSDS</li></ul>
<b>Nodal Agency</b>	Odisha Skill Development Society



# INCUBATION CENTRES

# 14. Incubation Centres

## 14.1. MSME Start-up Incubation Centres

<b>Name of Project</b>	<b>MSME Start up Incubation Centres</b>
<b>Project Location</b>	<ol style="list-style-type: none"><li>1. Khurdha</li><li>2. Sambalpur</li><li>3. Ganjam</li></ol>
<b>At 7 locations</b>	<ol style="list-style-type: none"><li>4. Kandhamal</li><li>5. Dhenkanal</li><li>6. Nabarangapur</li><li>7. Rayagada</li></ol>
<b>Investment</b>	Approx. INR 10 crore - 15 crore (USD 1.5 million - 2.2 million)
<b>Land Area</b>	Approx. 1 - 5 acres
<b>Mode of Development</b>	PPP (Public Private Partnership)
<b>Project Contours</b>	<ul style="list-style-type: none"><li>• Khurdha is the major producer of paddy, pulses, vegetables, oilseeds, and fruit crops</li><li>• Food Processing has been identified as a start-up priority segment</li><li>• Government through Public Private Partnership will create a plug and play start-up infrastructure</li><li>• Government will help setting up new units through seed assistance, office rentals and technical know-how</li></ul>
<b>Investment Opportunities</b>	<ul style="list-style-type: none"><li>• Strategic partnership with Govt. of Odisha to develop Start up incubation centers in the State</li></ul>
<b>Connectivity</b>	<ul style="list-style-type: none"><li>• Khurdha is well connected to all parts of the state.</li><li>• Capital city Bhubaneswar is part of Khurdha district. The district headquarted is a Khurdha which is a municipality</li><li>• Bhubaneswar International Airport is 25 kms from the Khurdha town</li></ul>
<b>Nodal Agency</b>	Department of Micro, Small & Medium Enterprises

# List of Abbreviations

<b>AAI</b>	Airports Authority of India
<b>AEZ</b>	Agro Export Zone
<b>APEDA</b>	Agricultural and Processed Food Products Export Development Authority
<b>ASTI</b>	Advanced Skills Training Institute
<b>BBIL</b>	Bharat Biotech International Limited
<b>BDA</b>	Bhubaneswar Development Authority
<b>BHQ</b>	Block Headquarter
<b>BMC</b>	Bhubaneswar Municipal Corporation
<b>BOT</b>	Build Operate & Transfer
<b>BSCIL</b>	Bhubaneswar Smart City Limited
<b>CDA</b>	Chilika Development Authority
<b>CETP</b>	Common Effluent Treatment Plant
<b>CIL</b>	Coal India Limited
<b>CoE</b>	Centre of Excellence
<b>CONCOR</b>	Container Corporation of India Limited
<b>CPC</b>	Central Processing Centre
<b>CWC</b>	Central Warehousing Corporation
<b>DCT</b>	Domestic Container Terminal
<b>DHQ</b>	District Headquarter
<b>DIC</b>	District Industries Centre
<b>DIPP</b>	Department of Industrial Policy and Promotion
<b>DTA</b>	Domestic Tariff Area
<b>ELCINA</b>	Electronic Industries Association of India
<b>EMC</b>	Electronic Manufacturing Cluster
<b>EOI</b>	Expression of Interest
<b>EPC</b>	Engineering, Procurement and Construction
<b>ESDM</b>	Electronic System Design & Manufacturing
<b>ESR</b>	Elevated Service Reservoir
<b>EWS</b>	Economically Weaker Section
<b>FCIL</b>	Fertilizer Corporation of India Limited
<b>GAIL</b>	Gas Authority of India Limited
<b>GEDCOL</b>	Green Energy Development Corporation of Odisha Limited

<b>GoI</b>	Government of India
<b>GoO</b>	Government of Odisha
<b>H&amp;UD</b>	Housing and Urban Development
<b>HIG</b>	High Income Group
<b>HMV</b>	Heavy Motor Vehicle
<b>ICD</b>	Inland Container Depot
<b>IDCO</b>	Odisha Industrial Infrastructure Development Corporation
<b>IDTR</b>	Institute of Driving Training and Research
<b>IESA</b>	India Electronics & Semiconductor Association
<b>IOCL</b>	Indian Oil Corporation Limited
<b>IPICOL</b>	Industrial Promotion & Investment Corporation of Odisha Limited
<b>IPR</b>	Industrial Policy Resolution
<b>IT</b>	Information Technology
<b>ITeS</b>	IT Enabled Services
<b>JVA</b>	Joint Venture Agreement
<b>KBK</b>	Koraput, Bolangir & Kalahandi
<b>KTA</b>	Kilotons Per Annum
<b>LMV</b>	Light Motor Vehicle
<b>MICE</b>	Meetings, Incentives, Conferences and Exhibitions
<b>MIG</b>	Middle Income Group
<b>MIIUS</b>	Modified Industrial Infrastructure Up-gradation Scheme
<b>MLD</b>	Million Litres per Day
<b>MMLP</b>	Multi Modal Logistics Park
<b>MoFPI</b>	Ministry of Food Processing Industries
<b>MSME</b>	Micro, Small & Medium Enterprise
<b>MW</b>	Mega Watt
<b>NGO</b>	Non-Governmental Organisation
<b>NH</b>	National Highway
<b>NHB</b>	National Horticulture Board
<b>NIFT</b>	National Institute of Fashion Technology
<b>NSDC</b>	National Skill Development Council
<b>NSQF</b>	National Skills Qualification Framework
<b>OCAC</b>	Odisha Computer Application Centre
<b>OSCSC</b>	Odisha State Civil Supplies Corporation Limited

<b>OSDP</b>	Odisha Skill Development Project
<b>OSDS</b>	Odisha Skill Development Society
<b>OSEMS</b>	Odisha State Employment Mission
<b>OSIC</b>	Odisha Small Industries Corporation
<b>OSWAN</b>	Odisha State Wide Area Network
<b>OTDC</b>	Odisha Tourism Development Corporation
<b>PCPIR</b>	Petroleum, Chemicals and Petrochemicals Investment Region
<b>PMC</b>	Project Management Consultant
<b>PPC</b>	Primary Processing Center
<b>PPP</b>	Public Private Partnership
<b>PPT</b>	Paradip Port Trust
<b>QAC</b>	Quality Assurance Consultant
<b>R&amp;D</b>	Research & Development
<b>RCF</b>	Rashtriya Chemicals & Fertilisers
<b>RFID</b>	Radio-Frequency Identification
<b>RMG</b>	Ready Made Garments
<b>RTO</b>	Regional Transport Office
<b>RWSS</b>	Rural Water Supply & Sanitation
<b>SCADA</b>	Supervisory Control and Data Acquisition
<b>SDC</b>	State Data Centre
<b>SEO</b>	Self-Employment Operator
<b>SEZ</b>	Special Economic Zone
<b>SHQ</b>	State Head Quarter
<b>SIPC</b>	Smart Industrial Port City
<b>SITP</b>	Scheme for Integrated Textile Park
<b>SPV</b>	Special Purpose Vehicle
<b>SSC</b>	Sector Skill Council
<b>SWC</b>	State Warehousing Corporation
<b>TPA</b>	Tonnes Per Annum
<b>TSP</b>	Training Service Provider
<b>UGR</b>	Under Ground Reservoir
<b>VAT</b>	Value Added Tax
<b>WTP</b>	Water Treatment Plant

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