INVESTMENT OPPORTUNITIES IN INDIA

MAKE IN INDIA
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These are exciting times in India from an economic growth and rapid development standpoint. The last year has been marked with number of remarkable initiatives by the government, such as “Make in India”, “Skill India”, “Digital India”, etc., which are committed to ensure improvement of business environment in India and making it a number one destination for global FDI.

“MAKE IN INDIA” initiative was launched on September 25, 2014 with an aim to give the Indian economy global recognition. The program includes major new initiatives designed to facilitate investment, foster innovation, protect intellectual property, and build best-in-class manufacturing infrastructure.

Apart from focus on enabling manufacturing, major initiatives have been taken in 2014 for improving ‘EASE OF DOING BUSINESS’ in India through simplification and rationalization of the existing rules and introduction of information technology to make governance more efficient and effective.

‘SKILL INDIA’ multi-skill development programme has been initiated with a mission for job creation and entrepreneurship for all socio-economic classes. It endeavors to establish the international equivalent of Indian framework on skill development, create workforce mobility and enhance youth employability.

‘DIGITAL INDIA’ is another initiative of Government of India to integrate the government departments and the people of India and to ensure effective governance. It also aims at ensuring the government services made available to citizens electronically by reducing paperwork. The initiative also includes plan to connect rural areas under high-speed internet networks. All these initiatives open up numerous opportunities for investments across various sectors, including infrastructure.

The “INVESTMENT OPPORTUNITIES IN INDIA” publication includes various opportunities in roads and highways, ports and shipping, civil aviation, power and other major infrastructure development projects.

This document has been compiled with the inputs from Ministry of Road Transportation and Highways, Ministry of Shipping, Ministry of Civil Aviation, Ministry of Power, Ministry of Railways, DMICDC and several state governments. PricewaterhouseCoopers (PwC) as knowledge partner was instrumental in supporting DIPP in compilation of information from various government departments.

AMITABH KANT
Secretary, DIPP
Government has put in place an investor-friendly policy on foreign direct investment (FDI), under which FDI up to 100% is permitted under the automatic route in most sectors/activities. Under this route, no Central Government permission is required for FDI inflow, but the same is subject to applicable laws/regulations, security and other conditions.

DEFENCE

The Government, vide Press Note 7 (2014) dated 26th August, 2014, has allowed FDI up to 49% on approval route in Defence sector with certain conditions e.g., the applicant company seeking FIPB approval be an Indian company owned and controlled by resident Indian citizens. Above 49% the proposal will be routed to Cabinet Committee on Security on a case to case basis, wherever it is likely to result in access to modern and state-of-art technology in the country. Portfolio investment has been allowed to be made in the Defence sector up to 24% on automatic route. A number of conditions have been relaxed / removed making the sector more investor friendly.

The provision is expected to result in technology transfer which would help in increasing the production base and providing an impetus to manufacturing sector and job creation in India. The measure is expected to not only reduce the heavy burden of imports and conserve foreign exchange reserves but also make domestic manufacturing an integral part of GDP growth of the country.

RAILWAYS

The Government, vide Press Note 8(2014) dated 27th August, 2014, has allowed 100% private and foreign direct investment under automatic route in construction, operation and maintenance of the following rail infrastructure projects:

1. Suburban corridor projects through PPP
2. High speed train projects
3. Dedicated freight lines
4. Rolling stock including train sets, locomotives and coaches manufacturing and maintenance facilities
5. Railway Electrification
6. Signaling systems
7. Freight terminals
8. Passenger terminals
9. Infrastructure in industrial park pertaining to railway lines/track including electrified railway lines and connections to main railway line
10. Mass Rapid Transport Systems

The provision will facilitate private investment including FDI inflows into infrastructure projects including elevated rail corridor project in Mumbai, High Speed Train project, port connectivity projects, dedicated freight corridors, logistic parks, station development, locomotives manufacturing units and power plants, through public-private partnerships which would not only bring in the much needed capital but also technology and global best practices.
OTHER POLICY INITIATIVES

- The Government has issued Press Note No. 10 (2014 Series) on 3rd December, 2014 amending the FDI policy regarding Construction Development Sector. Amended policy includes easing of area restriction norms, reduction of minimum capitalization and easy exit from project. Further, in order to give boost to low cost affordable housing, it has been provided that conditions of area restriction and minimum capitalization will not apply to cases committing 30% of the project cost towards affordable housing.

- 100% FDI allowed in the telecom sector.
- 100% FDI in single-brand retail.
- FDI in commodity exchanges, stock exchanges & depositories, power exchanges, petroleum refining by PSUs, courier services under the government route has now been brought under the automatic route.

SECTORS WITH RESTRICTIONS

- Lottery Business including Government/private lottery, online lotteries, etc.
- Gambling and Rummy including casinos etc.
- Chit funds
- Nidhi company(borrowing from members and lending to members only)

- Trading in Transferable Development Rights (TDRs)
- Real Estate Business (other than construction development) or Construction of Farm Houses
- Manufacturing of Cigars, cheroots, cigarillos and cigarettes, of tobacco or of tobacco substitutes
- Activities / sectors not open to private sector investment e.g. Atomic Energy and Railway Transport (other than construction, operation and maintenance of

SECTORS WHERE FOREIGN DIRECT INVESTMENT IS PROHIBITED

- Construction Development
- Pharmaceutical Sector- Carve out for medical devices
- Insurance Sector
- Sectors with Caps

- 74% - Trade in Transferable Development Rights (TDRs)
- Real Estate Business (other than construction development) or Construction of Farm Houses
- Manufacturing of Cigars, cheroots, cigarillos and cigarettes, of tobacco or of tobacco substitutes
- Activities / sectors not open to private sector investment e.g. Atomic Energy and Railway Transport (other than construction, operation and maintenance of

- 49% - Petroleum Refining by PSU
- Cable Networks
- Air transport services- scheduled air transport
- Private security agencies

- 20% - Petroleum Refining by PSU
- Cable Networks
- Air transport services- scheduled air transport
- Private security agencies

- 20% - Public 20% Sector Banking
SECTORS REQUIRING CENTRAL GOVERNMENT APPROVAL

100%  
> Tea sector, including plantations  
> Mining and mineral separation of titanium-bearing minerals and ones, its value addition and integrated industries  
> FDI in enterprise manufacturing items reserved for small scale sector  
> Broadcasting Content Services: uplinking of non-news and current affairs TV channels  
> Publishing/printing of scientific and technical magazines/speciality journals/periodicals  
> Publication of facsimile edition of foreign newspaper  
> Pharmaceuticals – brownfield

BEYOND 49%  
> Defence – up to 49% under Government route through FIPB, and beyond 49% under CCS approval (on a case-to-case basis, whenever it is likely to result in access to modern and state-of-the-art technology in the country)  
> Teleports (setting up of up-linking HUBs/Teleports), Direct to Home (DTH), Cable Networks (Multi-system operators operating at National or State or District level and undertaking upgradation of networks towards digitisation and addressability), Mobile TV and Headend-in-the-Sky Broadcasting Service (HITS) – beyond 49% and up to 74%  
> Non-scheduled air transport service – beyond 49% and up to 74%  
> Ground-handling services – beyond 49% and up to 74%  
> Telecom  
> Single-brand retail

> Asset reconstruction company  
> Banking private sector (other than WOS/Branches) – beyond 49% and up to 74%

26%  
> Broadcasting Content Services: uplinking of news and current affairs channels  
> Print media: Publishing of newspaper and periodicals dealing with news and current affairs, and Publication of Indian editions of foreign magazines dealing with news and current affairs  
> Telecommunication

OTHER  
> Defence – up to 49% under FIPB/CCSEA approval  
> Airports – brownfield – beyond 74%  
> Satellites – 74%  
> Private securities agencies – 49%  
> Banking public sector – 20%  
> Foreign Trust

SPECIAL DISPENSATION

Special dispensations have been envisaged for NRI investments in the following:  
> Construction development  
> Ground Handling & Air transport services  
> NRI investing on non-repatriable basis  
> FDI from NEPAL & BHUTAN is allowed in Indian rupees

TYPES OF INVESTORS

INDIVIDUAL:  
> FVCI  
> Pension/Provident Fund  
> Financial Institutions

COMPANY:  
> Foreign Trust

FOREIGN INSTITUTIONAL INVESTORS:  
> Sovereign Wealth Funds  
> NRIs / PIOs  
> Private Equity Funds  
> Partnership / Proprietorship Firm  
> Others
SUMMARY: KEY HIGHLIGHTS OF PROJECTS

Value of top priority projects ready for procurement in FY 2015-16 is about Rs. 150,000 crore, half of which are on PPP basis.

Top visionary projects to be implemented over the next five years are worth of Rs. 213,000 crore.##

ROAD TRANSPORT AND HIGHWAYS
- Out of 26 projects 8 projects worth Rs. 8,088 crore are on PPP basis.
- Most of the projects are around AKIC corridor.
- 26 projects worth Rs. 22,740 crores are in final preparation stages before implementation, 9 are ready to be bid out and 16 are at various stages of bidding process.
- Top visionary projects to be implemented in the next few years are worth Rs. 37,701 crore of which projects worth Rs. 16,763 crore are on PPP basis.

PORTS AND SHIPPING
- Central Government actively focuses on development/upgradation of capacities across all coastal states.
- Top 11 projects for FY 2015-16 amount to Rs. 11,547 crore, almost 90% of which are on PPP basis.
- Top 10 visionary projects in shipping for the next few years are worth Rs. 55,336 crore out of which about 25% of projects are on PPP mode and 70% are Government/PPP.

DELHI MUMBAI INDUSTRIAL CORRIDOR
- 4 mega projects under DMIC umbrella are ready for procurement in the next financial year.
- Total value of these projects is Rs. 4,327 crore.

POWER
- Top 10 projects for FY 2015-16 amount to Rs. 109,211 crore, out of which 5 projects are on PPP basis.
- 4 thermal power projects with installed capacity of more than 9,200 MW will be out for bidding in FY 2015-16.
- Top 10 visionary projects in power for the next five years are worth above Rs. 120,000 crore out of which 3 projects are on PPP basis.

CIVIL AVIATION
- PPP opportunity for Operation, Maintenance and Development of the four existing airports is being tendered.
- Development of cargo hubs in 6 metro airports along with other extension and strengthening projects is proposed over the next few years.

RAILWAYS
- Majority of projects proposed for FY 2015-16 are on PPP basis.
- Total value of projects getting ready for procurement is above Rs. 10,000 crore.
- Visionary railway projects upcoming in the next few years are worth Rs. 257,000 crore.

*Cost for some visionary projects, esp. on PPP, is yet to be ascertained and, hence, not included.
†Numbers are approximate based on project cost availability, projects by central government have been included.

PROJECTS FOR PROCUREMENT

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The transport sector constitutes 6% of the country’s GDP and 70% of the share of the roads sector. India has an extensive road network of 4.86 million km which is the second largest in the world. More than 60% of freight and 90% of passenger traffic in the country is handled by road.

The Public Private Partnership model will continue to be the favoured way of executing the remaining NHDP phases.

Priority expressway project for implementation on the Public Private Partnership mode:
- The Eastern Peripheral Expressway (a 135 km long, 6 lane expressway with a total project cost of USD 750 Million that will decongest Delhi).
- The Delhi–Meerut Expressway (473 km long project with a total project cost of USD 4.3 Billion)

The Vadodra-Mumbai Expressway, a 473 km expressway with a total project cost of USD 4.3 Billion will provide faster access to the economic hubs of Mumbai, Vadodara and Ahmedabad.

The Special Accelerated Road Development Programme for the North-eastern region (SARDP-NE) is aimed at developing road connectivity between remote areas in the Northeastern region with state capitals and district headquarters – a three phase project; facilitating connectivity of 88 district headquarters in the North-eastern state to the nearest national highways.

The Government of India has launched major initiatives to upgrade and strengthen highways and expressways in the country.

The private sector has emerged as a key player in the development of road infrastructure. The value of roadways and bridge infrastructure in India is expected to grow at a CAGR of 17.4% between 2012-17, to touch USD 10 Billion.

The transport sector has emerged as a key player in the development of road infrastructure.
**STATE: HARYANA & UTTAR PRADESH**

Development of 6 Lane Eastern Peripheral Expressway in the states of Haryana and Uttar Pradesh

**MODE OF IMPLEMENTATION**

- BOT (Toll) / EPC Mode in case of non-receipt of bids on BOT (Toll)

**PROJECT STATUS**

**CURRENT STATUS**

- Project approved by PPPAC/ Pre-PF
- CCEA approval awaited
- Technical studies have been completed

**ANTICIPATED PROJECT TIMELINES**

- Project bidding dates: RFQ received on 11/12/2014 for EPC Mode
- Combined RFQ & RFP invited with Bid Due Date as 15/01/2015
- In case of non-receipt of bids on BOT (Toll) Mode, RFP on EPC Mode will be invited
- Construction start dates: July 2015, Tentative

**APPROXIMATE PROJECT COST**

- Rs. 5763 crore

**MODE OF FUNDING & FUNDING AGENCY**

- PPP

**PROJECT DETAILS**

**PROJECT CONTOURS**

- Project is for development of 6 Lane Eastern Peripheral Expressway (NH No. NE-II) from km 0.00 to km 135.00, (starting from km 36.083 on NH-1 and ending at km 64.330 on NH-2), which will serve as a Half Ring Road Bypass of Delhi

**LOCATION**

- District - Sonipat, Faridabad and Palwal in Haryana
- District - Baghpat, Ghaziabad and Gautam Budh Nagar in UP

**CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE**

- Green field Expressway to connect NH-1, NH-91, Taj Expressway and NH-2

**CONTACT INFORMATION**

**IMPLEMENTING AGENCY**

- National Highways Authority of India, G-5&6, Sector – 10, Dwarka, New Delhi – 110 075

**KEY CONTACT PERSON(S) AND CONTACT DETAILS**

- Shri Rajeev Yadav, General Manager (Tech.)

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**STATE: DELHI & UTTAR PRADESH**

Development of Delhi – Hapur Section of NH-24

**MODE OF IMPLEMENTATION**

- BOT (Toll)

**PROJECT STATUS**

**CURRENT STATUS**

- Project restructuring is underway
- Feasibility completed
- PPPAC Documents prepared
- PPPAC/ CCEA approval is pending

**ANTICIPATED PROJECT TIMELINES**

- N/A

**APPROXIMATE PROJECT COST**

- Rs. 2950 crore

**MODE OF FUNDING & FUNDING AGENCY**

- BOT (Toll)

**PROJECT DETAILS**

**PROJECT CONTOURS**

- Project is for development of 6 Lane Eastern Peripheral Expressway from km 0.000 to km 27.500 with 4 lane Service Road on either side and 6 lane Highway (Delhi – Hapur Section of NH-24) from km 27.500 to km 49.923 with 2 lane Service Road on either side

**LOCATION**

- District – Eastern Delhi in Delhi
- District – Ghaziabad and Hapur in UP

**CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE**

- Existing 4 lane to be upgraded to 6 lane Expressway standards with 4 lane Service Road on either side from km 0.000 to km 27.500 and existing 4 lane to be upgraded to 6 lane with 2 lane Service Road on either side from km 27.500 to km 49.923.

**CONTACT INFORMATION**

**IMPLEMENTING AGENCY**

- National Highways Authority of India, G-5&6, Sector – 10, Dwarka, New Delhi – 110 075

**KEY CONTACT PERSON(S) AND CONTACT DETAILS**

- Shri Rajeev Yadav, General Manager (Tech.)
REASONS TO INVEST

An unprecedented increase in cargo-handling capacity - 800 Million Metric Tonnes in February 2014, from 575 Million Metric Tonnes in 2009.

87 new port projects have been sanctioned in the last four years, with an investment of INR 430 Billion. 28 PPP terminals are in operation in major ports and another 45 are under construction.

New projects have seen an increase in capacity of 558 Mega Million Tonnes per annum.

A projected increase in cargo capacity of 2289 Million Metric Tonnes by 2017 from 1235 Million Metric Tonnes in 2012.

Port development - the opportunity to serve the spill-off demand from major ports.

Port support services - operation and maintenance services such as pilotage, dredging, harbouring and provision of marine assets such as barges and dredgers.

A projected increase in cargo traffic at major ports - 943 Million Metric Tonnes by 2017 from 546 Million Metric Tonnes in 2013.

A projected increase in cargo traffic at non-major ports - 815 Million Metric Tonnes by 2017 from 388 Million Metric Tonnes in 2013.

Container demand is expected to increase to 21 Million T.E.U by 2017, from 6.5 Million T.E.U in 2012.

Special Economic Zones are being developed in close proximity to several ports - comprising coal-based power plants, steel plants and oil refineries.

PORTS AND SHIPPING

INVESTMENT OPPORTUNITIES

Port development - the opportunity to serve the spill-off demand from major ports.

Port support services - operation and maintenance services such as pilotage, dredging, harbouring and provision of marine assets such as barges and dredgers.

Ship repair facilities in ports - demand for ship repair services will increase, providing opportunities to build new dry docks and set up ancillary repair facilities.
STATE: TAMIL NADU
Outer Harbour Project, Chennai Port Trust

MODE OF IMPLEMENTATION
PPP

PROJECT STATUS
CURRENT STATUS
Preparatory action in hand for bidding

ANTICIPATED PROJECT TIMELINES
Being firmed up

APPROXIMATE PROJECT COST
Rs. 5110 crore

MODE OF FUNDING & FUNDING AGENCY
Private Investment

PROJECT DETAILS
PROJECT CONTOURS
Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
Chennai

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE
Well Connected by Rail / Road to Railway/National Highway network. Proposed to be connected to East Coast Railway corridor

CONTACT INFORMATION
IMPLEMENTING AGENCY
Chennai Port Trust

KEY CONTACT PERSON(S) AND CONTACT DETAILS
Chairman: Mr. Atulya Mishra
Phone: +91 44 25361086
Email: atulyamisra@gmail.com

STATE: TAMIL NADU
Development of Colachel Port

MODE OF IMPLEMENTATION
Government + PPP

PROJECT STATUS
CURRENT STATUS
Consultant to be appointed by 31/01/2015 to update the Feasibility report

ANTICIPATED PROJECT TIMELINES
To be firmed up.

APPROXIMATE PROJECT COST
Rs. 6000 crore

MODE OF FUNDING & FUNDING AGENCY
Government + Private

PROJECT DETAILS
PROJECT CONTOURS
At conceptualization stage

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
Kanyakumari District.

CONTACT INFORMATION
IMPLEMENTING AGENCY
V.O. Chidambaram Port Trust

KEY CONTACT PERSON(S) AND CONTACT DETAILS
Chairman: Mr. S.A.C Bose
Phone: +91 461 2352500
Email: chairman@vocport.gov.in
STATE: ODISHA

Development of Western Docks (5 Berths) at Paradip Port Trust

MODE OF IMPLEMENTATION

PPP

PROJECT STATUS

CURRENT STATUS

Preparatory action in hand for bidding.

ANTICIPATED PROJECT TIMELINES

Being firmed up

CONTACT INFORMATION

IMPLEMENTING AGENCY

Paradip Port Trust

KEY CONTACT PERSON(S) AND CONTACT DETAILS

Chairman: Mr. S.S. Mishra
Phone: +91 6722 222256
Email: chmppt@paradipport.gov.in

APPROXIMATE PROJECT COST

Rs. 3300 crore

MODE OF FUNDING & FUNDING AGENCY

Private

PROJECT DETAILS

PROJECT CONTOURS

Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

Jagatsinghpur

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

Rail/Road connectivity available to Railway/National Highway network. Haridaspur - Rail Connectivity Paradip Port Project under implementation.

STATE: TAMIL NADU

Outer Harbour Development Project at V.O Chidambaranar Port, Tuticorin (Phase-I)

MODE OF IMPLEMENTATION

Government + PPP

PROJECT STATUS

CURRENT STATUS

Studies completed

ANTICIPATED PROJECT TIMELINES

Being firmed up. Contact Implementing Agency

APPROXIMATE PROJECT COST

Rs. 11635 crore

MODE OF FUNDING & FUNDING AGENCY

GBS + Private

PROJECT DETAILS

PROJECT CONTOURS

Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

Tuticorin

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

Rail/Road connectivity available to Railway/National Highway network.

CONTACT INFORMATION

IMPLEMENTING AGENCY

V.O Chidambarnar Port Trust

KEY CONTACT PERSON(S) AND CONTACT DETAILS

Chairman: Mr. S.A.C Bose
Phone: +91  461 2352500
Email: chairman@vocport.gov.in

LARGE PROJECTS TO BE PROCURED IN THE NEXT 3-5 YEARS

STATE: ODISHA

Development of Western Docks (5 Berths) at Paradip Port Trust

MODE OF IMPLEMENTATION

PPP

PROJECT STATUS

CURRENT STATUS

Preparatory action in hand for bidding.

ANTICIPATED PROJECT TIMELINES

Being firmed up

CONTACT INFORMATION

IMPLEMENTING AGENCY

Paradip Port Trust

KEY CONTACT PERSON(S) AND CONTACT DETAILS

Chairman: Mr. S.S. Mishra
Phone: +91 6722 222256
Email: chmppt@paradipport.gov.in

APPROXIMATE PROJECT COST

Rs. 3300 crore

MODE OF FUNDING & FUNDING AGENCY

Private

PROJECT DETAILS

PROJECT CONTOURS

Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

Jagatsinghpur

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

Rail/Road connectivity available to Railway/National Highway network. Haridaspur - Rail Connectivity Paradip Port Project under implementation.

STATE: TAMIL NADU

Outer Harbour Development Project at V.O Chidambaranar Port, Tuticorin (Phase-I)

MODE OF IMPLEMENTATION

Government + PPP

PROJECT STATUS

CURRENT STATUS

Studies completed

ANTICIPATED PROJECT TIMELINES

Being firmed up. Contact Implementing Agency

APPROXIMATE PROJECT COST

Rs. 11635 crore

MODE OF FUNDING & FUNDING AGENCY

GBS + Private

PROJECT DETAILS

PROJECT CONTOURS

Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

Tuticorin

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

Rail/Road connectivity available to Railway/National Highway network.
STATE: KERALA

Development of Outer Harbour, Cochin Port Trust

MODE OF IMPLEMENTATION
→ Government + PPP

PROJECT STATUS
CURRENT STATUS
→ Under Planning Stage

ANTICIPATED PROJECT TIMELINES
→ Being firmed up. Contact Implementing Agency

APPROXIMATE PROJECT COST
→ Rs. 2500 crore

MODE OF FUNDING & FUNDING AGENCY
→ GBS + Private

PROJECT DETAILS
PROJECT CONTOURS
→ Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
→ Cochin

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE
→ Connected by Rail/Road to Railway/National Highway network

CONTACT INFORMATION
IMPLEMENTING AGENCY
→ Cochin Port Trust

KEY CONTACT PERSON(S) AND CONTACT DETAILS
Chairman: Mr. Paul Antony
Phone: +91 4842668200
Email: chairman@cochinport.gov.in

STATE: WEST BENGAL

Development of Sugar Port

MODE OF IMPLEMENTATION
→ Government + PPP

PROJECT STATUS
CURRENT STATUS
→ Studies completed. Revitilization study to be completed by 31/05/2015. SPV for the project is being set up.
Preparatory steps for tendering underway.

ANTICIPATED PROJECT TIMELINES
→ Being firmed up. Contact Implementing Agency

APPROXIMATE PROJECT COST
→ Rs. 2500 crore

MODE OF FUNDING & FUNDING AGENCY
→ GBS + Port’s Internal Resources/Private

PROJECT DETAILS
PROJECT CONTOURS
→ Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
→ Sugar

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE
→ Last mile Rail connectivity to be established

CONTACT INFORMATION
IMPLEMENTING AGENCY
→ Kolkata Port Trust

KEY CONTACT PERSON(S) AND CONTACT DETAILS
Chairman: Mr. R.P.S. Kahlon
Phone: +91 33 22305370
Email: chairman@kopt.in
STATE: TAMIL NADU
Greater Kamarajar Port Development Project

MODE OF IMPLEMENTATION
→ PPP

PROJECT STATUS
CURRENT STATUS
→ Under Planning Stage

ANTICIPATED PROJECT TIMELINES
→ N/A

APPROXIMATE PROJECT COST
→ Rs. 5000 crore

MODE OF FUNDING & FUNDING AGENCY
→ Private

PROJECT DETAILS
PROJECT CONTOURS
→ Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
→ Ennore

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE
→ Well Connected by Rail/Road to Railway/National Highway network. East Coast Railway Corridor

STATE: ANDHRA PRADESH
Development of Dugarajapatnam Port (Phase-I)

MODE OF IMPLEMENTATION
→ Government + PPP

PROJECT STATUS
CURRENT STATUS
→ Studies completed

ANTICIPATED PROJECT TIMELINES
→ Project SPV to be set up

APPROXIMATE PROJECT COST
→ Rs. 6091 crore

MODE OF FUNDING & FUNDING AGENCY
→ GBS + Port’s Internal Resources + Private

PROJECT DETAILS
PROJECT CONTOURS
→ Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
→ Dugarajapatnam

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE
→ Contact Implementing Agency

CONTACT INFORMATION
IMPLEMENTING AGENCY
→ Kamarajar Port Ltd.
→ CMD: Mr. M.A. Bhaskarachar
Phone: +91 44 25251666
Email: info@kpl.gov.in

CONTACT INFORMATION
IMPLEMENTING AGENCY
→ Visakhapatnam Port Trust
→ Chairman: Mr. M.T Krishna Babu
Phone: +91 891 2562758
Email: vpp.chairman@gmail.com
REASONS TO INVEST

- India is one of the fastest growing aviation markets and currently the ninth largest civil aviation market in the world
- India is projected to be the 3rd largest aviation market by 2020
- Total passenger traffic stood at 163.06 Million during 2013. India is one of the least penetrated air markets in the world with 0.04 trips per capita per annum as compared to 0.3 in China and more than 2 in the USA
- Indian carriers plan to increase their fleet size to reach 800 aircrafts by 2020
- The Indian aviation sector is likely to see investments totalling USD 12.1 Billion during 2012-17; USD 9.3 Billion is expected to come from the private sector

INVESTMENT OPPORTUNITIES

- 300 business jets, 300 small aircraft and 250 helicopters are expected to be added to the current fleet in the next 5 years
- Growth in aviation is accentuating demand for MRO facilities
- Greenfield airports under Public Private Partnership at Navi Mumbai and Mopa (Goa)
- The development of new airports – the Airports Authority of India aims to bring around 250 airports under operation across the country by 2020
- The North-east region – the Airports Authority of India plans to develop Guwahati as an interregional hub and Agartala, Imphal and Dibrugarh as intraregional hubs
- The Airports Authority of India plans to spend USD 1.3 Billion on non-metro projects between 2013 and 2017, focusing on the modernisation and upgradation of airports
- Indian airports are emulating the SEZ Aerotropolis model to enhance revenues, focus on revenues from retail, advertising and vehicle parking, security equipment and services
STATE: ODISHA

Extension and strengthening of Runway at Jharsuguda Airport

**MODE OF IMPLEMENTATION**
- Government/EPC

**PROJECT STATUS**

**CURRENT STATUS**
- DPR/Feasibility/Technical study : Planned to take up in one year

**APPROXIMATE PROJECT COST**
- Rs. 80 crore

**MODE OF FUNDING & FUNDING AGENCY**
- Government

**PROJECT DETAILS**

**PROJECT CONTOURS**
- Operation, Maintenance and Development of the four existing airports (two more to follow) of Airports Authority of India

**LOCATION - DISTRICT TALUKA, TOWN, VILLAGE**
- Jharsuguda, Odisha

**CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE**
- Airports are already operational and are well connected through all means of communications

**UTILITY INFRASTRUCTURE - EXISTING AND PROPOSED INFRASTRUCTURE**
- Airports are already operational and future developments will be taken up as per the duly approved Master Plan submitted by the successful bidder

**ANTICIPATED PROJECT TIMELINES**
- RFQ Timelines:
  - Last date for receiving queries: 30/01/2015
  - Pre-application Conference: 11/02/2015
  - Authority response to queries latest by: 05/03/2015
  - Application Due Date (ADD): 24/03/2015

**APPROXIMATE PROJECT COST**
- Project costs shall be finalized during Request For Proposal (RFP) stage

**MODE OF FUNDING & FUNDING AGENCY**
- Airports Authority of India as well as Private partner

**CONTACT INFORMATION**

**IMPLEMENTING AGENCY**
- Airports Authority of India, Rajiv Gandhi Bhawan, New Delhi

**STATE: MULTIPLE STATES**

Operation, Maintenance and Development of select airports: Chennai, Kolkata, Ahmadabad, Jaipur, Lucknow and Guwahati

**MODE OF IMPLEMENTATION**
- PPP

**PROJECT STATUS**

**CURRENT STATUS**
- RFQs for Chennai, Kolkata, Ahmadabad and Jaipur airports have been issued
- Task Force on Financing Plan for Airport sector during 12th FYP has submitted the report based on which the action is being taken

**ANTICIPATED PROJECT TIMELINES**
- RFQ Timelines:
  - Last date for receiving queries: 30/01/2015
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  - Authority response to queries latest by: 05/03/2015
  - Application Due Date (ADD): 24/03/2015

**APPROXIMATE PROJECT COST**
- Project costs shall be finalized during Request For Proposal (RFP) stage

**MODE OF FUNDING & FUNDING AGENCY**
- Airports Authority of India as well as Private partner

**PROJECT DETAILS**

**PROJECT CONTOURS**
- Operation, Maintenance and Development of the four existing airports (two more to follow) of Airports Authority of India

**LOCATION - DISTRICT TALUKA, TOWN, VILLAGE**
- Chennai, Kolkata, Ahmadabad and Jaipur

**CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE**
- Airports are already operational and are well connected through all means of communications

**UTILITY INFRASTRUCTURE - EXISTING AND PROPOSED INFRASTRUCTURE**
- Airports are already operational and future developments will be taken up as per the duly approved Master Plan submitted by the successful bidder

**ANTICIPATED PROJECT TIMELINES**
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  - Application Due Date (ADD): 24/03/2015

**APPROXIMATE PROJECT COST**
- Project costs shall be finalized during Request For Proposal (RFP) stage

**MODE OF FUNDING & FUNDING AGENCY**
- Airports Authority of India as well as Private partner

**PROJECT DETAILS**

**PROJECT CONTOURS**
- Operation, Maintenance and Development of the four existing airports (two more to follow) of Airports Authority of India

**LOCATION - DISTRICT TALUKA, TOWN, VILLAGE**
- Chennai, Kolkata, Ahmadabad and Jaipur

**CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE**
- Airports are already operational and are well connected through all means of communications

**UTILITY INFRASTRUCTURE - EXISTING AND PROPOSED INFRASTRUCTURE**
- Airports are already operational and future developments will be taken up as per the duly approved Master Plan submitted by the successful bidder

**ANTICIPATED PROJECT TIMELINES**
- RFQ Timelines:
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  - Authority response to queries latest by: 05/03/2015
  - Application Due Date (ADD): 24/03/2015

**APPROXIMATE PROJECT COST**
- Project costs shall be finalized during Request For Proposal (RFP) stage

**MODE OF FUNDING & FUNDING AGENCY**
- Airports Authority of India as well as Private partner

**CONTACT INFORMATION**

**IMPLEMENTING AGENCY**
- Implementation of the project shall be taken up by the successful bidder

**KEY CONTACT PERSON(S) AND CONTACT DETAILS**
- Shri V R Hegde, Director, Ministry of Civil Aviation
  - Phone: +91 11 26410366

**PROJECTS READY FOR PROCUREMENT IN FY 2015-16**

**PROJECTS READY FOR PROCUREMENT IN FY 2015-16**

**STATE: ODISHA**

Extension and strengthening of Runway at Jharsuguda Airport

**MODE OF IMPLEMENTATION**
- Government/EPC

**PROJECT STATUS**

**CURRENT STATUS**
- DPR/Feasibility/Technical study : Planned to take up in one year

**APPROXIMATE PROJECT COST**
- Rs. 80 crore

**MODE OF FUNDING & FUNDING AGENCY**
- Government

**PROJECT DETAILS**

**PROJECT CONTOURS**
- Operation, Maintenance and Development of the four existing airports (two more to follow) of Airports Authority of India

**LOCATION - DISTRICT TALUKA, TOWN, VILLAGE**
- Jharsuguda, Odisha

**CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE**
- Airports are already operational and are well connected through all means of communications

**UTILITY INFRASTRUCTURE - EXISTING AND PROPOSED INFRASTRUCTURE**
- Airports are already operational and future developments will be taken up as per the duly approved Master Plan submitted by the successful bidder

**ANTICIPATED PROJECT TIMELINES**
- RFQ Timelines:
  - Last date for receiving queries: 30/01/2015
  - Pre-application Conference: 11/02/2015
  - Authority response to queries latest by: 05/03/2015
  - Application Due Date (ADD): 24/03/2015

**APPROXIMATE PROJECT COST**
- Project costs shall be finalized during Request For Proposal (RFP) stage

**MODE OF FUNDING & FUNDING AGENCY**
- Airports Authority of India as well as Private partner

**CONTACT INFORMATION**

**IMPLEMENTING AGENCY**
- Implementation of the project shall be taken up by the successful bidder

**KEY CONTACT PERSON(S) AND CONTACT DETAILS**
- Shri V R Hegde, Director, Ministry of Civil Aviation
  - Phone: +91 11 26410366

**PROJECTS READY FOR PROCUREMENT IN FY 2015-16**

**PROJECTS READY FOR PROCUREMENT IN FY 2015-16**

**STATE: ODISHA**

Extension and strengthening of Runway at Jharsuguda Airport

**MODE OF IMPLEMENTATION**
- Government/EPC

**PROJECT STATUS**

**CURRENT STATUS**
- DPR/Feasibility/Technical study : Planned to take up in one year

**APPROXIMATE PROJECT COST**
- Rs. 80 crore

**MODE OF FUNDING & FUNDING AGENCY**
- Government

**PROJECT DETAILS**

**PROJECT CONTOURS**
- Operation, Maintenance and Development of the four existing airports (two more to follow) of Airports Authority of India

**LOCATION - DISTRICT TALUKA, TOWN, VILLAGE**
- Jharsuguda, Odisha

**CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE**
- Airports are already operational and are well connected through all means of communications

**UTILITY INFRASTRUCTURE - EXISTING AND PROPOSED INFRASTRUCTURE**
- Airports are already operational and future developments will be taken up as per the duly approved Master Plan submitted by the successful bidder

**ANTICIPATED PROJECT TIMELINES**
- RFQ Timelines:
  - Last date for receiving queries: 30/01/2015
  - Pre-application Conference: 11/02/2015
  - Authority response to queries latest by: 05/03/2015
  - Application Due Date (ADD): 24/03/2015

**APPROXIMATE PROJECT COST**
- Project costs shall be finalized during Request For Proposal (RFP) stage

**MODE OF FUNDING & FUNDING AGENCY**
- Airports Authority of India as well as Private partner

**CONTACT INFORMATION**

**IMPLEMENTING AGENCY**
- Implementation of the project shall be taken up by the successful bidder

**KEY CONTACT PERSON(S) AND CONTACT DETAILS**
- Shri V R Hegde, Director, Ministry of Civil Aviation
  - Phone: +91 11 26410366
STATE: ASSAM
Extension of Runway at Dibrugarh Airport

MODE OF IMPLEMENTATION
Government/EPC

PROJECT STATUS
CURRENT STATUS
DPR/Feasibility/Technical study : Planned to take up in one year

APPROXIMATE PROJECT COST
Rs. 55 crore

MODE OF FUNDING & FUNDING AGENCY
Government

PROJECT DETAILS
PROJECT CONTOURS
LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
Dibrugarh, Assam

STATE: CHHATTISGARH
Extension of Runway at Raipur Airport

MODE OF IMPLEMENTATION
Government/EPC

PROJECT STATUS
CURRENT STATUS
DPR/Feasibility/Technical study : Planned to take up in one year

APPROXIMATE PROJECT COST
Rs. 100 crore

MODE OF FUNDING & FUNDING AGENCY
Government

PROJECT DETAILS
PROJECT CONTOURS
LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
Raipur, Chhattisgarh

CONTACT INFORMATION
IMPLEMENTING AGENCY
Airports Authority of India, Rajiv Gandhi Bhawan, New Delhi

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: ASSAM
Extension of Runway at Dibrugarh Airport

CONTACT INFORMATION
IMPLEMENTING AGENCY
Airports Authority of India, Rajiv Gandhi Bhawan, New Delhi

STATE: CHHATTISGARH
Extension of Runway at Raipur Airport

CONTACT INFORMATION
IMPLEMENTING AGENCY
Airports Authority of India, Rajiv Gandhi Bhawan, New Delhi
### STATE: WEST BENGAL

**Construction of ATC Tower cum Technical Block at Kolkata Airport**

**MODE OF IMPLEMENTATION**

- Government/EPC

**PROJECT STATUS**

**CURRENT STATUS**

- DPR/Feasibility/Technical study : Planned to take up in one year

**APPROXIMATE PROJECT COST**

- Rs. 150 crore

**MODE OF FUNDING & FUNDING AGENCY**

- Government

**PROJECT DETAILS**

**PROJECT CONTOURS**

**LOCATION - DISTRICT TALUKA, TOWN, VILLAGE**

- Kolkata, West Bengal

---

### STATE: KERALA

**Extension of PTT including Isolation Bay at Trivandrum Airport**

**MODE OF IMPLEMENTATION**

- Government/EPC

**PROJECT STATUS**

**CURRENT STATUS**

- DPR/Feasibility/Technical study : Planned to take up in one year

**APPROXIMATE PROJECT COST**

- Rs. 65 crore

**MODE OF FUNDING & FUNDING AGENCY**

- Government

**PROJECT DETAILS**

**PROJECT CONTOURS**

**LOCATION - DISTRICT TALUKA, TOWN, VILLAGE**

- Thiruvananthapuram, Kerala

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### CONTACT INFORMATION

**IMPLEMENTING AGENCY**

- Airports Authority of India, Rajiv Gandhi Bhawan, New Delhi
### Andhra Pradesh

**Construction of New Terminal Building at Vijayawada Airport**

**Mode of Implementation:**
- Government/EPC

**Project Status**
- Current Status: DPR/Feasibility/Technical study planned to take up in one year

**Approximate Project Cost:**
- Rs. 107 crore

**Mode of Funding & Funding Agency:**
- Government

**Project Details**

<table>
<thead>
<tr>
<th>Location - District</th>
<th>Taluka, Town, Village</th>
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</thead>
<tbody>
<tr>
<td>Vijayawada, Andhra Pradesh</td>
<td></td>
</tr>
</tbody>
</table>

**Contact Information**

- Implementing Agency: Airports Authority of India, Rajiv Gandhi Bhawan, New Delhi

### Gujarat

**Strengthening and extension of runway at Surat Airport**

**Mode of Implementation:**
- Government/EPC

**Project Status**
- Current Status: DPR/Feasibility/Technical study planned to take up in one year

**Approximate Project Cost:**
- Rs. 65 crore

**Mode of Funding & Funding Agency:**
- Government

**Project Details**

<table>
<thead>
<tr>
<th>Location - District</th>
<th>Taluka, Town, Village</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surat, Gujarat</td>
<td></td>
</tr>
</tbody>
</table>

**Contact Information**

- Implementing Agency: Airports Authority of India, Rajiv Gandhi Bhawan, New Delhi

**Projects Ready for Procurement in FY 2015-16**

<table>
<thead>
<tr>
<th>State</th>
<th>Project Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Andhra Pradesh</td>
<td>Construction of New Terminal Building at Vijayawada Airport</td>
</tr>
<tr>
<td>Gujarat</td>
<td>Strengthening and extension of runway at Surat Airport</td>
</tr>
</tbody>
</table>
STATE: GUJARAT

Re-carpeting of Runway at Ahmedabad Airport

MODE OF IMPLEMENTATION
→ Government/EPC

PROJECT STATUS
CURRENT STATUS
→ DPR/Feasibility/Technical study: Planned to take up in one year

APPROXIMATE PROJECT COST
→ Rs. 50 crore

PROJECT DETAILS
LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
→ Ahmedabad, Gujarat

CONTACT INFORMATION
IMPLEMENTING AGENCY
→ Airports Authority of India, Rajiv Gandhi Bhawan, New Delhi

STATE: 6 METRO CITIES

Development of Cargo hubs at 6 metro-airports

MODE OF IMPLEMENTATION
→ Government/PPP

PROJECT STATUS
CURRENT STATUS
→ Project is in the initial stage
→ DPR is being prepared.

ANTICIPATED PROJECT TIMELINES
→ Timeline is yet to finalized

APPROXIMATE PROJECT COST
→ Project cost is yet to be finalized.

MODE OF FUNDING & FUNDING AGENCY
→ To be finalized

PROJECT DETAILS
LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
→ Delhi, Mumbai, Hyderabad, Bangalore, Chennai and Kolkata

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE
→ Airports are already operational and are well connected through all means of communications

UTILITY INFRASTRUCTURE - EXISTING AND PROPOSED INFRASTRUCTURE
→ Airports are already operational and future developments will be taken up as per DPR.

CONTACT INFORMATION
IMPLEMENTING AGENCY
→ Implementation of the project shall be taken up by the respective airport operator.

KEY CONTACT PERSON(S) AND CONTACT DETAILS
→ Shri V R Hegde, Director, Ministry of Civil Aviation
Phone: +91 11 24610366
**STATE:**
Modernization of passenger facilities at airports

**MODE OF IMPLEMENTATION**
- Government/PPP

**PROJECT STATUS**

**CURRENT STATUS**
- Project is in the initial stage
- Meetings with the stakeholders have been held
- Suggestions from them have been obtained

**ANTICIPATED PROJECT TIMELINES**
- Timeline is yet to be finalized

**APPROXIMATE PROJECT COST**
- Rs. 30-35 crore

**MODE OF FUNDING & FUNDING AGENCY**
- Airport Operator

**PROJECT DETAILS**

**PROJECT CONTOURS**
- Initial stage

**LOCATION - DISTRICT TALUKA, TOWN, VILLAGE**
- Multiple cities

**CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE**
- Airports are already operational and are well connected through all means of communications

**UTILITY INFRASTRUCTURE - EXISTING AND PROPOSED INFRASTRUCTURE**
- Airports are already operational

**CONTACT INFORMATION**

**IMPLEMENTING AGENCY**
- Implementation of the project shall be taken up by the respective airport operator

**KEY CONTACT PERSON(S) AND CONTACT DETAILS**
- Shri V R Hegde, Director, Ministry of Civil Aviation
  Phone: +91 11 24610366

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**POWER: THERMAL POWER**

**LARGE PROJECTS TO BE PROCURED IN THE NEXT 3-5 YEARS**

<table>
<thead>
<tr>
<th>STATE</th>
<th>MODERNIZATION OF PASSENGER FACILITIES AT AIRPORTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODE OF IMPLEMENTATION</td>
<td>GOVERNMENT/PPP</td>
</tr>
</tbody>
</table>

**PROJECT STATUS**

**CURRENT STATUS**
- Project is in the initial stage
- Meetings with the stakeholders have been held
- Suggestions from them have been obtained

**ANTICIPATED PROJECT TIMELINES**
- Timeline is yet to be finalized

**APPROXIMATE PROJECT COST**
- Rs. 30-35 crore

**MODE OF FUNDING & FUNDING AGENCY**
- Airport Operator

**PROJECT DETAILS**

**PROJECT CONTOURS**
- Initial stage

**LOCATION - DISTRICT TALUKA, TOWN, VILLAGE**
- Multiple cities

**CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE**
- Airports are already operational and are well connected through all means of communications

**UTILITY INFRASTRUCTURE - EXISTING AND PROPOSED INFRASTRUCTURE**
- Airports are already operational

**CONTACT INFORMATION**

**IMPLEMENTING AGENCY**
- Implementation of the project shall be taken up by the respective airport operator

**KEY CONTACT PERSON(S) AND CONTACT DETAILS**
- Shri V R Hegde, Director, Ministry of Civil Aviation
  Phone: +91 11 24610366
**REASONS TO INVEST**

- The government is targeting a capacity addition of 88.5 GW during 2012-17 and 86.4 GW during 2017-22.
- The National Tariff Policy (2006) ensured adequate return on investment to companies engaged in power generation, transmission and distribution and to companies producing assured electricity to end users at affordable and competitive rates.
- Launch of the Ultra Mega Power Project (UMPP) scheme through tariff-based competitive bidding.

**INVESTMENT OPPORTUNITIES**

- Power Generation
- Transmission & Distribution
- Power Trading
- Power Exchanges

As of March 31, 2013, total coal reserves stood at 298.94 Billion Tonnes, out of which 123.19 Billion Tonnes were proven reserves.
- Proven natural gas reserves measure up to 1,354.76 Billion cubic meters.
REASONS TO INVEST

- India has the fifth largest power generation portfolio worldwide with a power generation capacity of 245 GW.
- Economic growth, increasing prosperity, a growing rate of urbanization and rising per capita energy consumption has widened access to energy in the country.
- Current renewable energy contribution stands at 31.7 GW of the total installed capacity of 245 GW in the country as on 31.03.2014.
- Wind energy is the largest renewable energy source in India. The Jawaharlal Nehru National Solar Mission aims to generate 20,000 MW of solar power by 2022, creating a positive environment among investors keen to tap into India’s potential.
- The country offers unlimited growth potential for the solar photovoltaic industry.

INVESTMENT OPPORTUNITIES

- From barely 20 MW in 2011, India’s installed solar capacity has increased to 1,686 MW at the end of 2013.
- India has vast untapped renewable energy resources—wind energy has installed capacity of 21.6 GW and an estimated potential of 102.8 GW.
- Small hydro has installed capacity of 3.8 GW and an estimated potential of 39.7 GW.
- Bio-power (including biomass and bagasse co-generation) has an installed capacity of 4.4 GW as opposed to an estimated potential of 22.5 GW. Solar power has installed capacity of 1.7 GW against the potential of 6 GW.
- The Solar Policy of Rajasthan notified in 2011 envisages the setting up of solar manufacturing facilities in proposed solar parks.
- The Gujarat Solar Park also makes special provisions for encouraging on-site manufacturing facilities to provide equipment to projects coming up within the park as well as adequate repairs, maintenance and skilled manpower to service projects within the park.

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: TAMIL NADU
Cheyyur Ultra Mega Power Project

MODE OF IMPLEMENTATION
- PPP

PROJECT STATUS
- CURRENT STATUS

ANTICIPATED PROJECT TIMELINES
- Project bidding dates: to be decided by MoP
- Construction start dates: one year after award of project and signing of PPA

APPROXIMATE PROJECT COST
- Rs. 26000 crore

MODE OF FUNDING & FUNDING AGENCY
- PPP

PROJECT DETAILS
PROJECT CONTOURS
- Ultra Mega Power Project in Cheyyur

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
- Near Cheyyur village, Kancheepuram District, in the State of Tamil Nadu

CONTACT INFORMATION
IMPLEMENTING AGENCY
- To be selected through tariff based competitive bidding

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE
- The site is 96 km away from South of Chennai towards Sea shore. It is approachable from East Coast Road (ECR) and also from Melmaruvathur (21Km)/Maduranthakam (22Km) on National Highway NH45.
## Projects Ready for Procurement in FY 2015-16

### State: Chhattisgarh, Tamil Nadu, Kerala

**Construction of HVDC Bipole link**

#### Mode of Implementation
- CPSU

#### Project Status
**Current Status**
- DPR under preparation and procurement likely to start from Feb.’15
- Studies are yet to start

#### Anticipated Project Timelines
- Project bidding dates FY 2015-16
- Construction start dates FY 2016-17
- Anticipated project timelines: FY 2018-19

#### Approximate Project Cost
- Above Rs. 20,000 crore

#### Project Details
**Project Contours**
- HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern region (Pugalur, Tamil Nadu) - Madakathara / North Trichur (Kerala) - Linear long distance inter-State Power Transmission project

### State: Madhya Pradesh, Uttar Pradesh

**Inter-regional system strengthening scheme for WR & NR Part-B**

#### Mode of Implementation
- CPSU

#### Project Status
**Current Status**
- Investment Approval done in Dec.’14. Award to start from Jan’15

#### Anticipated Project Timelines
- Project bidding dates: Under award. Awards expected to start by Jan’15 onwards
- Construction start dates: 1-May-15

#### Approximate Project Cost
- Above Rs. 6,500 crore

#### Project Details
**Project Contours**
- Madhya Pradesh, Uttar Pradesh - Linear long distance inter-State Power Transmission project
## LARGE PROJECTS TO BE PROCURED IN THE NEXT 3-5 YEARS

### STATE: GUJARAT, RAJASTHAN, TAMIL NADU

**Green Energy Corridors - IITS Part-A, B & C**  

**MODE OF IMPLEMENTATION**  
> CPSU

**PROJECT STATUS**  

**CURRENT STATUS**  
> Investment approval - from Jan.'15 onward for Part-A and Part B & Part-C Mar.'15 onwards

**ANTICIPATED PROJECT TIMELINES**  
> Anticipated project timelines: 36 months
> Project bidding dates: Under progress
> Construction start dates: 1-Jun-15

**APPROXIMATE PROJECT COST**  
> Above Rs. 7500 crore

**MODE OF FUNDING & FUNDING AGENCY**  
> Multilateral/ Domestic

**PROJECT DETAILS**  

**PROJECT CONTOURS**  
> Gujarat, Rajasthan, Tamil Nadu

**CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE**  
> Linear long distance inter-State Power Transmission project

**CONTACT INFORMATION**  

**IMPLEMENTING AGENCY**  
> POWERGRID, Corporate Office, Plot No. 2, Sector-29, Gurgaon, Haryana

**KEY CONTACT PERSON(S) AND CONTACT DETAILS**  
> Sudhir Mital, General Manager, POWERGRID, Phone: +91 124 2571957

### STATE: CHHATTISGARH

**Chhattisgarh Ultra Mega Power Project**  

**MODE OF IMPLEMENTATION**  
> PPP

**PROJECT STATUS**  

**CURRENT STATUS**  
> Technical studies underway

**ANTICIPATED PROJECT TIMELINES**  
> Project bidding dates: Bidding to commence after project preparatory activities like EIA, Feasibility report are completed and coal blocks are allocated  
> Construction start dates: one year after award of project and signing of PPA

**APPROXIMATE PROJECT COST**  
> N/A

**MODE OF FUNDING & FUNDING AGENCY**  
> PPP

**PROJECT DETAILS**  

**PROJECT CONTOURS**  
> Near Salka & Khameria Villages, Udaipur Tehsil, Distt. Surguja

**CONTACT INFORMATION**  

**IMPLEMENTING AGENCY**  
> To be selected through tariff based competitive bidding

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### LARGE PROJECTS TO BE PROCURED IN THE NEXT 3-5 YEARS

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### Jharkhand

**Deoghar Ultra Mega Power Project**

**Mode of Implementation**
- PPP

**Project Status**
- Current Status: Technical studies underway
- Anticipated Project Timelines:
  - Project bidding dates: Bidding to commence after project preparatory activities like EIA, Feasibility report are completed and coal blocks are allocated
  - Construction start dates: one year after award of project and signing of PPA

**Approximate Project Cost**
- N/A

**Mode of Funding & Funding Agency**
- PPP

**Project Details**
- Location - District Taluka, Town, Village: Husainabad site in Deoghar District

**Contact Information**
- Implementing Agency: To be selected through tariff-based competitive bidding

### Bihar

**Bihar UMPP**

**Mode of Implementation**
- PPP

**Project Status**
- Current Status: Site identified.
- Anticipated Project Timelines:
  - Project bidding dates: Bidding to commence after project preparatory activities like EIA, Feasibility report are completed
  - Construction start dates: one year after award of project and signing of PPA

**Approximate Project Cost**
- N/A

**Mode of Funding & Funding Agency**
- PPP

**Project Details**
- Location - District Taluka, Town, Village: Kakwara in Banka district

**Contact Information**
- Implementing Agency: To be selected through tariff-based competitive bidding
### Shendra – Bidkin Industrial Area (8.4 sq. km in Phase – I)

**Mode of Implementation**
- EPC/Design build

**Project Status**

<table>
<thead>
<tr>
<th>Current Status</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tender documents for trunk infrastructure for Phase I (8.4 sq km) of Shendra Bidkin Industrial Area are being finalized</td>
<td></td>
</tr>
<tr>
<td>Preliminary Design Report including preparation of RFQ/RFP is under process</td>
<td></td>
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<tr>
<td>Expected date for DPR/Feasibility/Technical study completion - 31/01/2015</td>
<td></td>
</tr>
</tbody>
</table>

**Anticipated Project Timelines**
- Project bidding dates: 31/03/15
- Construction start dates: 01/12/15

**Approximate Project Cost**
- Rs. 1300 crore

**Contact Information**

<table>
<thead>
<tr>
<th>Implementing Agency</th>
<th>Details</th>
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<tbody>
<tr>
<td>SPV Directors</td>
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</table>

**State:** Maharashtra

**Location - District Taluka, Town, Village**
- Shendra, Aurangabad District

**Connectivity - Existing and Proposed Infrastructure**
- Existing: On Aurangabad-Jalna Road (MSH6), Good connectivity to Dhule, Paithan & Solapur through State Highway/National Highway
- Proposed: Regional Bypass Road to Bidkin

**Utility Infrastructure - Existing and Proposed Infrastructure**
- Existing: Water supply source being made available at site boundary
- Proposed: Entire trunk infrastructures including roads, storm drainage, water, wastewater, re-cycle network, treatment plant(s), solid waste, ICT etc.
Infrastructure works for Vikram Udyogpuri near Ujjain, Madhya Pradesh

**MODE OF IMPLEMENTATION**
- Government/ EPC

**PROJECT STATUS**

**CURRENT STATUS**
- Tender documents for selection of EPC/DB Contractor are being finalized
- Detailed Project Report has been finalized and has been approved by the State Govt.

**ANTICIPATED PROJECT TIMELINES**
- Project bidding dates: 31/01/15 (submission date)
- Construction start date: 22/04/15 (Expected)

**APPROXIMATE PROJECT COST**
- Rs. 310 crore

**MODE OF FUNDING & FUNDING AGENCY**
- Government

**PROJECT DETAILS**

**PROJECT CONTOURS**
- Undulating terrain

**LOCATION - DISTRICT TALUKA, TOWN, VILLAGE**
- Narwar Village, Tahsili & Distt. Ujjain

**CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE**
- Connected to Ujjain & Devas through SH-18

**UTILITY INFRASTRUCTURE - EXISTING AND PROPOSED INFRASTRUCTURE**
- Complete new utility infrastructure would be constructed

**CONTACT INFORMATION**

**IMPLEMENTING AGENCY**
- SPV: VIKRAM UDHYOGPURU (UJJAIN)

**KEY CONTACT PERSON(S) AND CONTACT DETAILS**
- SPV Directors

---

**RAILWAYS**
REASONS TO INVEST

- 100% FDI in the railway infrastructure segment has been allowed recently which has opened up opportunities for participation in infrastructure projects such as high-speed railways, railway lines to and from coal mines and ports, projects relating to electrification, high-speed tracks and suburban corridors.

- Indian Railways has begun exploring the PPP mode of delivery and aims to award projects worth USD 1,000 Billion through the PPP route.

- The sector aims to boost passenger amenities by involving PPP investments in provision of foot-over bridges, escalators and lifts at all major stations.

- Last-mile connectivity to boost business activity in and around ports and mines has been proposed through the formation of special purpose vehicle (SPV) companies under the Public Private Partnership (PPP) model.

INVESTMENT OPPORTUNITIES

- Manufacture of components
- Infrastructure projects:
  1. High speed main projects
  2. Railway lines to and from coal mines and ports
  3. Projects relating to electrification, high-speed tracks and suburban corridors
  4. Dedicated freight corridors
  5. The re-development of railway stations
  6. Power generation and energy-saving projects
  7. Freight terminals operations
  8. Setting up of wagons, coaches and locomotive units
  9. Gauge conversion
  10. Network expansion

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: BIHAR, WEST BENGAL
Railway electrification project: Katwa – Azimganj – Nalhati & Azimganj – Tildanga/New Farakka (RE)

<table>
<thead>
<tr>
<th>MODE OF IMPLEMENTATION</th>
<th>BOT/ Annuity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROJECT STATUS</td>
<td>CURRENT STATUS</td>
</tr>
<tr>
<td>Studies completed</td>
<td>Building parameter - VGF/Annual premium</td>
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<tr>
<td>ANTICIPATED PROJECT TIMELINES</td>
<td>To be finalised</td>
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<tr>
<td>APPROXIMATE PROJECT COST</td>
<td>Rs. 229 crore</td>
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<tr>
<td>MODE OF FUNDING &amp; FUNDING AGENCY</td>
<td>PPP</td>
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PROJECT DETAILS

<table>
<thead>
<tr>
<th>PROJECT CONTOURS</th>
<th>Line length - 200 km</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELECTRIFICATION PROJECT</td>
<td></td>
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</tbody>
</table>

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
- Katwa – Azimganj – Nalhati & Azimganj – Tildanga/ New Farakka
### STATE: KERALA

**Rail Coach factory for manufacturing of aluminium coaches**

**MODE OF IMPLEMENTATION**
- PPP

**PROJECT STATUS**
- Current Status: Studies completed
- Bidding parameter - Lowest price coach

**ANTICIPATED PROJECT TIMELINES**
- To be finalised

**APPROXIMATE PROJECT COST**
- Rs. 550 crore

**MODE OF FUNDING & FUNDING AGENCY**
- PPP

**PROJECT DETAILS**
- **PROJECT CONTOURS**
  - Quantity: 400 coaches per annum, BOT/BOO/JV/ Annuity
- **LOCATION**
  - District Taluka, Town, Village: Palakkad, Kerala

**CONTACT INFORMATION**
- **KEY CONTACT PERSON(S) AND CONTACT DETAILS**
  - ED/ME/Proj./Railway Board
  - Phone: +91 11 23386837

### STATE: JHARKHAND

**Freight line Rajkharswan-Chakradharpur 3rd line (doubling)**

**MODE OF IMPLEMENTATION**
- PPP

**PROJECT STATUS**
- Current Status: Technical studies have been completed
- Detail Estimate sanctioned
- Bidding parameter - VGF/Annual premium

**ANTICIPATED PROJECT TIMELINES**
- To be finalised

**APPROXIMATE PROJECT COST**
- Rs. 174 crore

**MODE OF FUNDING & FUNDING AGENCY**
- PPP

**PROJECT DETAILS**
- **PROJECT CONTOURS**
  - Capacity Augmentation project, line length – 20 km
  - BOT/ Annuity
- **LOCATION**
  - District Taluka, Town, Village: Rajkharswan-Chakradharpur

**CONTACT INFORMATION**
- **IMPLEMENTING AGENCY**
  - CAO/SE/Howrah
  - CAO/SE/HOWRAH, Achal Khare, ED/Civil/Infra, Railway Board
  - Phone: +91 11 23382839
STATE: ODISHA
Freight line Manoharpur-Bondamanda 3rd line (doubling)

MODE OF IMPLEMENTATION
→ PPP

PROJECT STATUS
CURRENT STATUS
→ Technical studies have been completed
→ Earthwork, bridge work has been taken up
→ Bidding parameter - VGF/Annual premium for PPP

ANTICIPATED PROJECT TIMELINES
→ To be finalised

APPROXIMATE PROJECT COST
→ Rs. 258 crore

MODE OF FUNDING & FUNDING AGENCY
→ PPP

PROJECT DETAILS
PROJECT CONTOURS
→ Capacity augmentation project, line length – 30 km
→ BOT/Annuity

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
→ Manoharpur-Bondamanda

CONTACT INFORMATION
IMPLEMENTING AGENCY
→ CAO/SE/HOWRAH

KEY CONTACT PERSON(S) AND CONTACT DETAILS
→ CAO/SE/HOWRAH, Achal Khare, ED/Civil/Infra, Railway Board
Phone: +91 11 23382839

STATE: ODISHA
Freight line Sambalpur-Talcher (doubling)

MODE OF IMPLEMENTATION
→ PPP

PROJECT STATUS
CURRENT STATUS
→ Technical studies have been completed
→ Earthwork, bridge work has been taken up
→ Bidding parameter - VGF/Annual premium for PPP

ANTICIPATED PROJECT TIMELINES
→ To be finalised

APPROXIMATE PROJECT COST
→ Rs. 679 crore

MODE OF FUNDING & FUNDING AGENCY
→ PPP

PROJECT DETAILS
PROJECT CONTOURS
→ Capacity augmentation project, line length – 174.1 km
→ BOT/Annuity

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
→ Sambalpur-Talcher

CONTACT INFORMATION
IMPLEMENTING AGENCY
→ CAO/EC-R, BHUBNESWAR

KEY CONTACT PERSON(S) AND CONTACT DETAILS
→ CAO/EC-R, BHUBNESWAR, Achal Khare, ED/Civil/Infra, Railway Board
Phone: +91 11 23382839
### STATE: ODISHA, TELANGANA

**Freight line Bhadrak-Nargundi 3rd line (doubling)**

#### MODE OF IMPLEMENTATION
- PPP

#### PROJECT STATUS

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#### APPROXIMATE PROJECT COST
- Rs. 837 crore

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<td>CAO/ECoR, BHUBNESWAR</td>
<td>Achal Khare, ED/Civil/Infra, Railway Board</td>
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### STATE: TELANGANA / ANDHRA PRADESH

**Freight line Kazipet - Vijayawada 3rd line with electrification (doubling)**

#### MODE OF IMPLEMENTATION
- PPP

#### PROJECT STATUS

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#### APPROXIMATE PROJECT COST
- Rs. 1054 crore

#### CONTACT INFORMATION

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### PROJECTS READY FOR PROCUREMENT IN FY 2015-16

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<td>Freight line Kazipet - Vijayawada 3rd line with electrification (doubling)</td>
</tr>
</tbody>
</table>
STATE: MAHARASHTRA
Freight line Wardha (Sewagram) - Nagpur 3rd line (doubling)

MODE OF IMPLEMENTATION
PPP

PROJECT STATUS
CURRENT STATUS
- Technical studies have been completed
- Detailed Estimate is under preparation
- Bidding parameter - VGF/Annual premium for PPP project

ANTICIPATED PROJECT TIMELINES
FY 2015-16

APPROXIMATE PROJECT COST
Rs. 298 crore

PROJECT DETAILS
PROJECT CONTOURS
- Capacity augmentation project, line length - 76.3 km
- BOT / Annuity

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
- Wardha (Sewagram) - Nagpur

CONTACT INFORMATION
IMPLEMENTING AGENCY
CAO/CR/MUMBAI

KEY CONTACT PERSON(S) AND CONTACT DETAILS
CAO/CR/MUMBAI, Achal Khare, ED/Civil/Infra, Railway Board
Phone: +91 11 23382819

STATE: CHATTISGARH
Freight line Durg – Rajnandgaon 3rd line (doubling)

MODE OF IMPLEMENTATION
PPP

PROJECT STATUS
CURRENT STATUS
- Technical studies have been completed
- Detailed Estimate is sanctioned
- Bidding parameter - VGF/Annual premium for PPP project

ANTICIPATED PROJECT TIMELINES
Yet to be finalised

APPROXIMATE PROJECT COST
Rs. 153 crore

PROJECT DETAILS
PROJECT CONTOURS
- Capacity augmentation project, line length - 31 km
- BOT / Annuity

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
- Durg-Rajnandgaon

CONTACT INFORMATION
IMPLEMENTING AGENCY
CAO/SECR/BILASPUR

KEY CONTACT PERSON(S) AND CONTACT DETAILS
CAO/SECR/BILASPUR, Achal Khare, ED/Civil/Infra, Railway Board
Phone: +91 11 23382819
### STATE: RAJASTHAN
Freight line Ajmer – Bangurgram (doubling)

**MODE OF IMPLEMENTATION**
- PPP

**PROJECT STATUS**
- **CURRENT STATUS**
  - Technical studies have been completed
  - Final Location survey in progress.
  - Bidding parameter - VGF/Annual premium for PPP

**ANTICIPATED PROJECT TIMELINES**
- In next 2 years

**APPROXIMATE PROJECT COST**
- Rs. 145 crore

**LOCATION - DISTRICT TALUKA, TOWN, VILLAGE**
- Ajmer – Bangurgram

**CONTACT INFORMATION**
- **IMPLEMENTING AGENCY**
  - CAO/NWR/Jaipur
- **KEY CONTACT PERSON(S) AND CONTACT DETAILS**
  - Achal Khare, ED/Civil/Infra, Railway Board
  - Phone: +91 11 23382839

### STATE: WEST BENGAL, JHARKHAND
Freight line Dankuni-Gomoh (new)

**MODE OF IMPLEMENTATION**
- PPP

**PROJECT STATUS**
- **CURRENT STATUS**
  - Technical studies have been completed and land acquisition in progress
  - Bidding parameter - VGF/Annual premium for PPP

**ANTICIPATED PROJECT TIMELINES**
- 2015-16

**APPROXIMATE PROJECT COST**
- Rs. 4500 crore

**LOCATION - DISTRICT TALUKA, TOWN, VILLAGE**
- Dankuni-Gomoh

**PROJECT DETAILS**
- **PROJECT CONTOURS**
  - The new line is planned to provide connectivity to mineral rich Eastern part of the country to Northern hinterland via the Eastern DFC route,
  - Line length – 282 km
- **PROJECT TYPES**
  - BOT/Annuity

**CONTACT INFORMATION**
- **IMPLEMENTING AGENCY**
  - DCCCIL, Pragati Maidan Metro Station Building Complex, New Delhi-110001
  - Phone: +91 11 23454620
- **KEY CONTACT PERSON(S) AND CONTACT DETAILS**
  - Achal Khare, ED/Civil/Infra, Railway Board (Phone: +91 11 23382839) and Ansuman Sharma, Director/ P/P DCCCIL (Phone: +91 11 23454620)
STATE: MULTIPLE STATES
Redevelopment of passenger terminals at various locations

MODE OF IMPLEMENTATION
→ PPP

PROJECT STATUS
CURRENT STATUS
→ Studies are ongoing

ANTICIPATED PROJECT TIMELINES
→ To be finalized

APPROXIMATE PROJECT COST
→ Cost assessment is in progress

MODE OF FUNDING & FUNDING AGENCY
→ PPP

PROJECT DETAILS
PROJECT CONTOURS
→ Redevelopment of Passenger terminals at
1. Habibganj/WCR
2. Shivaji Nagar/CR
3. AnandVihar/NR
4. Bijwasan/NR
5. Chandigarh/NR
6. Surat/WR, Mumbai
7. Gandhinagar/WR/Mumbai
8. Mangalore/SWR/Hubli,Karnataka
9. Ernakulam/SRC/Ernakulam
10. Vijayawada/SRC/Secunderabad
11. Nagpur/CR/Mumbai
12. Bhubaneshwar/WR/Habili
13. New Bhubaneshwar/EC/Ah/Bhubaneshwar

CONTACT INFORMATION
IMPLEMENTING AGENCY
→ MD/ IRSDC, New Delhi

KEY CONTACT PERSON(S) AND CONTACT DETAILS
→ ED / L&A II Ministry of Railways

STATE: DELHI, HARYANA, U.P., M.P., MAHARASHTRA, TELANGANA AND TAMIL NADU
Freight line North-South DFC (new)

MODE OF IMPLEMENTATION
→ PPP

PROJECT STATUS
CURRENT STATUS
→ Feasibility study ongoing

Bidding parameter - VGF/Annual premium for PPP

ANTICIPATED PROJECT TIMELINES
→ 2015-16

APPROXIMATE PROJECT COST
→ Rs. 82000 crore

MODE OF FUNDING & FUNDING AGENCY
→ PPP/ G-G Cooperation

PROJECT DETAILS
PROJECT CONTOURS
→ BOT/ Annuity

→ 2100 km long freight corridor

→ Provide fast movement of freight traffic between North and South

CONTACT INFORMATION
KEY CONTACT PERSON(S) AND CONTACT DETAILS
→ M. K. Srivastava, ED/PP, Railway Board
Phone: +91 11 23389101

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

LARGE PROJECTS TO BE PROCURED IN THE NEXT 3-5 YEARS
<table>
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<tr>
<th>STATE: MULTIPLE STATES</th>
<th>CONTACT INFORMATION</th>
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</thead>
<tbody>
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<td>Freight line East-West DFC (new)</td>
<td><strong>PROJECT DETAILS</strong></td>
</tr>
<tr>
<td><strong>PROJECT CONTOURS</strong></td>
<td>2330km long freight corridor</td>
</tr>
<tr>
<td><strong>Bidding parameter</strong> - VGF/Annual premium for PPP</td>
<td><strong>LOCATION - DISTRICT TALUKA, TOWN, VILLAGE</strong></td>
</tr>
<tr>
<td>Connectivity - Existing and Proposed infrastructure</td>
<td><strong>Mumbai-Thane</strong></td>
</tr>
<tr>
<td>The corridor will provide connectivity from mineral rich Eastern part of the country to consumption centre of the West.</td>
<td><strong>PROJECT STATUS</strong></td>
</tr>
<tr>
<td><strong>CURRENT STATUS</strong></td>
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<tr>
<td><strong>ANTICIPATED PROJECT TIMELINES</strong></td>
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<tr>
<td><strong>APPROXIMATE PROJECT COST</strong></td>
<td>Rs. 70,000 crore</td>
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<tr>
<td><strong>MODE OF FUNDING &amp; FUNDING AGENCY</strong></td>
<td>PPP/ G-G Cooperation</td>
</tr>
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<th>STATE: MAHARASHTRA</th>
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<tbody>
<tr>
<td>Suburban corridor project through PPP CSTM-Panvel</td>
<td><strong>PROJECT DETAILS</strong></td>
</tr>
<tr>
<td><strong>PROJECT CONTOURS</strong></td>
<td>60 KM Suburban corridor between CSTM-Panvel</td>
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<tr>
<td>Bidding parameter - Premium/Viability Gap Funding Mumbai-Thane</td>
<td><strong>LOCATION - DISTRICT TALUKA, TOWN, VILLAGE</strong></td>
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<tr>
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<td>Anticipated project timelines: 2015-16</td>
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<tr>
<td><strong>Bids open</strong></td>
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<tr>
<td>Rs. 21000 crore</td>
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<td>DBFO/T</td>
<td><strong>IMPLEMENTING AGENCY</strong></td>
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<tr>
<td>CAO(O) Western Railway/ Mumbai</td>
<td><strong>KEY CONTACT PERSON(S) AND CONTACT DETAILS</strong></td>
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<tr>
<td>Adv./Infra./Railway Board (Phone: +91 11 23389215)</td>
<td><strong>PROJECT STATUS</strong></td>
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<td><strong>PROJECT CONTOURS</strong></td>
<td>2330km long freight corridor</td>
</tr>
<tr>
<td><strong>Bidding parameter</strong> - VGF/Annual premium for PPP</td>
<td><strong>LOCATION - DISTRICT TALUKA, TOWN, VILLAGE</strong></td>
</tr>
<tr>
<td>Connectivity - Existing and Proposed infrastructure</td>
<td><strong>PROJECT STATUS</strong></td>
</tr>
<tr>
<td>The corridor will provide connectivity from mineral rich Eastern part of the country to consumption centre of the West.</td>
<td><strong>CURRENT STATUS</strong></td>
</tr>
<tr>
<td>Feasibility study completed</td>
<td><strong>ANTICIPATED PROJECT TIMELINES</strong></td>
</tr>
<tr>
<td>Yet to be finalized</td>
<td><strong>APPROXIMATE PROJECT COST</strong></td>
</tr>
<tr>
<td>Rs. 70,000 crore</td>
<td><strong>MODE OF FUNDING &amp; FUNDING AGENCY</strong></td>
</tr>
<tr>
<td>PPP/ G-G Cooperation</td>
<td><strong>MODE OF IMPLEMENTATION</strong></td>
</tr>
<tr>
<td>BOT/ G-G Cooperation</td>
<td><strong>PROJECT DETAILS</strong></td>
</tr>
</tbody>
</table>
**Large Projects to be Procured in the Next 3-5 Years**

**State: Maharashtra, Gujarat**

**Mumbai-Ahmedabad High Speed Corridor**

**Mode of Implementation**
- DBFOT/Government to Government cooperation

**Project Status**
- Current Status: Pre-feasibility Studies completed; JICA detailed studies to be submitted by June 2015

**Anticipated Project Timelines**
- Anticipated project timelines: 2015-16

**Approximate Project Cost**
- Rs. 70,000 crore

**Utility Infrastructure - Existing and Proposed Infrastructure**
- Existing line exists but the project will provide high speed connectivity

**Contact Information**
- Key Contact Person(s) and Contact Details:
  - Adv./Infra./Railway Board (Tel.No.011-23389215) and ED/PSU & HS, Railway Board Phone: +91 11-23386930 and V.K. Singh, CEO/RVNL Phone: +91 11-26196373

**State: Maharashtra**

**Suburban Corridor Project through PPP: CSTM-Panvel**

**Mode of Implementation**
- DBFOT

**Project Status**
- Current Status: Pre-feasibility Studies completed

**Anticipated Project Timelines**
- Anticipated project timelines: 2015-16

**Approximate Project Cost**
- Rs. 14000 crore

**Mode of Funding & Funding Agency**
- Concessionaire

**Project Details**
- Project Contours: 49 km Suburban corridor in Mumbai

**Location - District, Taluka, Town, Village**
- Key cities: Mumbai, Surat, Vadodara, Ahmedabad

**Connectivity - Existing and Proposed Infrastructure**
- To be used as Suburban corridor for connectivity of Mumbai city to Navi Mumbai and proposed International Airport

**Contact Information**
- Mumbai Rail Vikas Corp.Ltd.(MRVC), Churchgate Station Building, Mumbai-400020
  - Email: com@mrvc.gov.in, Fax: +91 22 22096972
  - Ravi Agrawal, ED/Plg. (MRVC) Phone: +91 22 22070761

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**Large Projects to be Procured in the Next 3-5 Years**

**State: Maharashtra**

**Suburban Corridor Project through PPP: CSTM-Panvel**

**Mode of Implementation**
- DBFOT

**Project Status**
- Current Status: Pre-feasibility Studies completed

**Anticipated Project Timelines**
- Anticipated project timelines: 2015-16

**Approximate Project Cost**
- Rs. 14000 crore

**Mode of Funding & Funding Agency**
- Concessionaire

**Project Details**
- Project Contours: 49 km Suburban corridor in Mumbai

**Location - District, Taluka, Town, Village**
- Mumbai and Navi Mumbai
INVESTMENT OPPORTUNITIES IN ANDHRA PRADESH
<table>
<thead>
<tr>
<th>State: Andhra Pradesh</th>
<th>Project: PCPIR Expressway</th>
<th>State: Andhra Pradesh</th>
<th>Project: Bhavanapadu Port Development</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mode of Implementation</strong></td>
<td>PPP</td>
<td><strong>Mode of Implementation</strong></td>
<td>PPP</td>
</tr>
<tr>
<td><strong>Project Status</strong></td>
<td>DPR has been prepared</td>
<td><strong>Project Status</strong></td>
<td>TEFR has been prepared</td>
</tr>
<tr>
<td><strong>Current Status</strong></td>
<td>To be finalised</td>
<td><strong>Current Status</strong></td>
<td>To be finalised</td>
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<tr>
<td><strong>Anticipated Project Timelines</strong></td>
<td></td>
<td><strong>Anticipated Project Timelines</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Approximate Project Cost</strong></td>
<td>Rs. 2,346 crore</td>
<td><strong>Approximate Project Cost</strong></td>
<td>Rs. 2,362 crore</td>
</tr>
<tr>
<td><strong>Mode of Funding &amp; Funding Agency</strong></td>
<td>PPP</td>
<td><strong>Mode of Funding &amp; Funding Agency</strong></td>
<td>Infrastructure and Investment Department</td>
</tr>
<tr>
<td><strong>Project Details</strong></td>
<td><strong>Project Contours</strong></td>
<td><strong>Project Details</strong></td>
<td><strong>Project Contours</strong></td>
</tr>
<tr>
<td></td>
<td>Six lane PCPIR expressway connecting Visakhapatnam and Kakinada regions</td>
<td></td>
<td>Development of Bhavanapadu port</td>
</tr>
<tr>
<td><strong>Location - District Taluka, Town, Village</strong></td>
<td>Visakhapatnam and East Godavari districts</td>
<td><strong>Location - District Taluka, Town, Village</strong></td>
<td>Srikakulam</td>
</tr>
<tr>
<td><strong>Contact Information</strong></td>
<td><strong>Implementing Agency</strong></td>
<td><strong>Contact Information</strong></td>
<td><strong>Implementing Agency</strong></td>
</tr>
<tr>
<td></td>
<td>Transport, Roads and Building Department (T,R&amp;B dept)</td>
<td></td>
<td>Infrastructure and Investment Department</td>
</tr>
</tbody>
</table>
MACHILIPATNAM PORT DEVELOPMENT

STATE: ANDHRA PRADESH

MODE OF IMPLEMENTATION ➔ PPP

PROJECT STATUS
CURRENT STATUS ➔ DPR prepared

ANTICIPATED PROJECT TIMELINES ➔ To be finalised

APPROXIMATE PROJECT COST ➔ Rs. 2,362 crore

MODE OF FUNDING & FUNDING AGENCY ➔ PPP

PROJECT DETAILS
PROJECT CONTOURS ➔ Development of Machilipatnam port

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE ➔ Krishna district

CONTACT INFORMATION
IMPLEMENTING AGENCY ➔ Infrastructure and Investment Department

KEY CONTACT PERSON(S) AND CONTACT DETAILS

220 KV KORUPROLU SUBSTATION

STATE: ANDHRA PRADESH

MODE OF IMPLEMENTATION ➔ PPP

PROJECT STATUS
CURRENT STATUS ➔ DPR prepared

ANTICIPATED PROJECT TIMELINES ➔ To be finalised

APPROXIMATE PROJECT COST ➔ Rs. 68 crore

MODE OF FUNDING & FUNDING AGENCY ➔ PPP

PROJECT DETAILS
PROJECT CONTOURS ➔ Upgradation of existing 132 KV substation at Korupolu to 220kv and laying of connected lines

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE ➔ Visakhapatnam district

CONTACT INFORMATION
IMPLEMENTING AGENCY ➔ APTRANSCO Transmission Corporation of Andhra Pradesh Limited Vidyut Soudha, Khairatabad, Hyderabad-500082

KEY CONTACT PERSON(S) AND CONTACT DETAILS ➔ Phone: +91 40 23396000

CONTACT INFORMATION
IMPLEMENTING AGENCY ➔ APTRANSCO Transmission Corporation of Andhra Pradesh Limited Vidyut Soudha, Khairatabad, Hyderabad-500082

KEY CONTACT PERSON(S) AND CONTACT DETAILS ➔ Phone: +91 40 23396000
STATE: ANDHRA PRADESH

MODE OF IMPLEMENTATION
→ PPP

PROJECT STATUS
CURRENT STATUS
-> DPR prepared

ANTICIPATED PROJECT TIMELINES
→ To be finalised

APPROXIMATE PROJECT COST
→ Rs. 171 crore

MODE OF FUNDING & FUNDING AGENCY
→ PPP

PROJECT DETAILS
PROJECT CONTOURS
→ 400 kV Kalkiri SS (3x315 MVA) and 400 kV LILO of RTPP - Chittoor D/C line (40 ckt kms) to proposed Kalikiri

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
→ Chittoor district

STATE: ANDHRA PRADESH

PROJECT DETAILS
PROJECT CONTOURS
→ 400 kV Kalkiri SS (3x315 MVA) and 400 kV LILO of RTPP - Chittoor D/C line (40 ckt kms) to proposed Kalikiri

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
→ Chittoor district

STATE: ANDHRA PRADESH

PROJECT STATUS
CURRENT STATUS
→ DPR prepared

ANTICIPATED PROJECT TIMELINES
→ To be finalised

APPROXIMATE PROJECT COST
→ Rs. 171 crore

MODE OF FUNDING & FUNDING AGENCY
→ PPP

PROJECT DETAILS
PROJECT CONTOURS
→ 4 laning of 40 km of the road stretch between Narasapuram and Tuni

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
→ Visakhapatnam and East Godavari districts

STATE: ANDHRA PRADESH

PROJECT STATUS
CURRENT STATUS
→ DPR prepared

ANTICIPATED PROJECT TIMELINES
→ To be finalised

APPROXIMATE PROJECT COST
→ Rs. 171 crore

MODE OF FUNDING & FUNDING AGENCY
→ PPP

PROJECT DETAILS
PROJECT CONTOURS
→ 4 laning of 40 km of the road stretch between Narasapuram and Tuni

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
→ Visakhapatnam and East Godavari districts

CONTACT INFORMATION
IMPLEMENTING AGENCY
→ APTRANSCO Transmission Corporation of Andhra Pradesh Limited, Vidyut Soudha, Karwan, Hyderabad-500082

KEY CONTACT PERSON(S) AND CONTACT DETAILS
→ Phone: +91 40 23396000

CONTACT INFORMATION
IMPLEMENTING AGENCY
→ Andhra Pradesh Road Development Corporation

PROJECT DETAILS
PROJECT CONTOURS
→ 4 laning of 40 km of the road stretch between Narasapuram and Tuni

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
→ Visakhapatnam and East Godavari districts
### Vizianagaram–Palakonda Road–Haddubhangi Road Project

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Mode of Implementation</td>
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<tr>
<td>Project Status</td>
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<tr>
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<tr>
<td>Anticipated Project Timelines</td>
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<tr>
<td>Project Contours</td>
</tr>
<tr>
<td>Location - District, Town, Village</td>
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</tbody>
</table>

### Kondamodu–Guntur (Part of Hyderabad–Guntur Road) Project

<table>
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<tr>
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<tbody>
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<td>Location - District, Town, Village</td>
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<tr>
<td>STATE: ANDHRA PRADESH</td>
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</tr>
<tr>
<td>MODE OF IMPLEMENTATION</td>
</tr>
<tr>
<td>→ PPP</td>
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<tr>
<td>PROJECT STATUS</td>
</tr>
<tr>
<td>CURRENT STATUS</td>
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<tr>
<td>→ DPR has been prepared</td>
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<tr>
<td>ANTICIPATED PROJECT TIMELINES</td>
</tr>
<tr>
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<td>MODE OF FUNDING &amp; FUNDING AGENCY</td>
</tr>
<tr>
<td>→ PPP</td>
</tr>
<tr>
<td>PROJECT DETAILS</td>
</tr>
<tr>
<td>PROJECT CONTOURS</td>
</tr>
<tr>
<td>→ Upgradation of road between Gundugolanu and Kovvur</td>
</tr>
<tr>
<td>LOCATION - DISTRICT TALUKA, TOWN, VILLAGE</td>
</tr>
<tr>
<td>→ West Godavari district</td>
</tr>
</tbody>
</table>

**GUNDUGOLANU– DEVARAPALLI–KOVVUR ROAD UPGRADEATION PROJECT**

**CONTACT INFORMATION**

**IMPLEMENTING AGENCY**

→ Andhra Pradesh Road Development Corporation

**INVESTMENT OPPORTUNITIES IN BIHAR**
VAISHALI CORRIDOR (GREENFIELD FOUR-LANING)

STATE: BIHAR

MODE OF IMPLEMENTATION
→ PPP

PROJECT STATUS
CURRENT STATUS
→ PPR preparation in final stage (by July 2015)
→ Feasibility Study Report completed

ANTICIPATED PROJECT TIMELINES
→ Project bidding dates: October 2015
→ Construction start dates: October 2016

APPROXIMATE PROJECT COST
→ Rs. 1,522 crore

MODE OF FUNDING & FUNDING AGENCY
→ DBFOT (Design, Build, Finance, Operate and Transfer)

PROJECT DETAILS
PROJECT CONTOURS
→ Construction of Greenfield Four laning from NH-103 passing through Mahua and meeting at Vaishali on SH-74: Length 78 Km
→ Plain passing through village & semi urban area

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE
→ District: Vaishali
→ Village: Hajrat-Jandaha-Panapur-Mahua-Lalganj

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE
→ Existing: Greenfield
→ Proposed: Fourlane highway

CONTACT INFORMATION
IMPLEMENTING AGENCY
→ Bihar State Road Development Corporation Ltd., Road Construction Department Govt. of Bihar

KEY CONTACT PERSON(S) AND CONTACT DETAILS
→ Managing Director, BSRDC Ltd. General Manager (HQ) BSRDC Ltd. Phone: +91-9431005695

INVESTMENT OPPORTUNITIES IN TAMIL NADU
DEVELOPMENT OF JAWAHAR DOCK (EAST) BERTHS AS A MULTI CARGO TERMINAL IN CHENNAI PORT ON DBFOT BASIS

STATE: TAMIL NADU

MODE OF IMPLEMENTATION
→ PPP

PROJECT STATUS
CURRENT STATUS
→ RFQ stage

ANTICIPATED PROJECT TIMELINES
→ Studies completed till date: BCEOM International S.A. and SECON Pvt Ltd are the consultants for preparation of DPR. They were expected to submit in September 2014

APPROXIMATE PROJECT COST
→ Rs. 6,000 crore

MODE OF FUNDING & FUNDING AGENCY
→ PPP (BOT) and JICA

PROJECT DETAILS
PROJECT CONTOURS
→ In the view of the recent ban of coal handling in Chennai Port due to the environmental issues, the port had commissioned a study for identifying alternative cargo options at these berths on the east of Jawahar Dock. Post the study Chennai Port Trust has initiated the process for award of the project for development of the Multi-cargo Terminal. The scope of the project includes the following:

(i) Jetty repairs and replacement works
(ii) Procurement of the following equipments
- Mobile Crane (HMC – 100 ton capacity with Grab)
- 5 nos. Fork Lift truck (FLT – 15 ton capacity)
- 10 nos. Fork Lift truck (FLT – 5 ton capacity)
- 20 nos. Paverailer (5 cu. M capacity)
- 2 nos. (iii) Infrastructure for cargo storage and drainage facilities
(iv) Development of On-shore Infrastructure
(v) IT Infrastructure
(vi) Operation and Maintenance of the facility
(vii) Buildings such as gate house and Customs, Administrative Building, workshop and substation
(viii) Boundary wall

CONTACT INFORMATION
IMPLEMENTING AGENCY
→ Chennai Port Trust, 1 Rajaji Salai, Chennai - 600 001, Tamil Nadu, India.

KEY CONTACT PERSON(S) AND CONTACT DETAILS
→ Mr Madhabhai, Email: ce@chennaiport.gov.in

CHENNAI-BANGALORE EXPRESSWAY

STATE: TAMIL NADU

EXPRESSION OF INTEREST (EOI) DUE DATE
→ TBA

PROJECT STATUS
CURRENT STATUS
→ Studies completed till date: A Chennai Bangalore Expressway is proposed along with the proposed corridor on this route. The National Highways Authority of India (NHAI) is in the process of finalising the alignment of the proposed expressway. It is ‘Planned for 240 Km.

ANTICIPATED PROJECT TIMELINES
→ To be finalised

APPROXIMATE PROJECT COST
→ Rs. 6,000 crore

MODE OF FUNDING & FUNDING AGENCY
→ PPP (BOT) and JICA

PROJECT DETAILS
PROJECT CONTOURS
→ A Chennai Bangalore Expressway is proposed along with the proposed corridor on this route. The National Highways Authority of India (NHAI) is in the process of finalising the alignment of the proposed expressway. It is ‘Planned for 240 Km.

CONTACT INFORMATION
IMPLEMENTING AGENCY
→ NHAI
CHENNAI PERIPHERAL ROAD

STATE: TAMIL NADU

MODE OF IMPLEMENTATION
→ To be finalised

PROJECT STATUS
CURRENT STATUS
→ Preparation of DPR is under progress

ANTICIPATED PROJECT TIMELINES
→ To be finalised

APPROXIMATE PROJECT COST
→ Rs. 1,600 crore

MODE OF FUNDING & FUNDING AGENCY
→ JICA

PROJECT DETAILS
PROJECT CONTOURS
→ Total Length of 162 Km. It would connect Mamallapuram in Kancheepuram district with Ennore Port neighbouring Tiruvallur. Singaperumbakkal, Sriperumbudur, Tiruvallur, Thanamalavakkam, Porurpadalm and Puduvayal till Kattupalli. 78.60 km of existing roads would be upgraded under the project while new roads to a length of 83.20 km would be built for the road.

NORTHERN PORT ACCESS ROAD

STATE: TAMIL NADU

MODE OF IMPLEMENTATION
→ PPP

PROJECT STATUS
CURRENT STATUS
→ Alignment was finalised and land acquisition is to be initiated

ANTICIPATED PROJECT TIMELINES
→ To be finalised

APPROXIMATE PROJECT COST
→ Rs. 1,000 crore

MODE OF FUNDING & FUNDING AGENCY
→ PPP (BOT) and JICA

PROJECT DETAILS
PROJECT CONTOURS
→ Planned for 25 Km. The Northern Port Access Road will be an important link between Port area and TPP road near Villur and then onto NH5 at Thachur thus providing connectivity to Chennai metropolitan area and the deep hinterland.
### Madurai Tuhoothukudi Industrial Corridor-I, II, III, IV

**State:** Tamil Nadu  
**Mode of Implementation:** PPP  
**Project Status:** Studies in progress, expected to be completed in Feb-March’15  
**Anticipated Project Timelines:** To be finalised  
**Approximate Project Cost:** Rs. 40,000 crore  
**Mode of Funding & Funding Agency:** PPP (BOT) and JICA

**Project Details**  
**Project Contours:** The project structure of the Madurai-Tuticorin Industrial (MTI) Corridor will cover 29 projects spanning the southern territories of Madurai, Sivaganga, Tirunelveli, Ramanathapuram and Kanyakumari.

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### Phase II Outer Ring Road

**State:** Tamil Nadu  
**Mode of Implementation:** PPP  
**Project Status:** Work in under progress. Expected to be completed by September 2016  
**Anticipated Project Timelines:** To be finalised  
**Approximate Project Cost:** Rs. 1,000 crore  
**Mode of Funding & Funding Agency:** PPP (BOT) and JICA

**Project Details**  
**Project Contours:** Major arterial, the Outer Ring Road (ORR) is planned to be developed in the peri-urban area of the Chennai Metropolitan Area (CMA). The 62.3 km long ORR connects GST Road (NH-45) at Vandalur, GWT Road (NH-441) at Nazarethpet, Chennai Tirunallar High Road (NH-205) at Nammakohi and Tiruvottiyur-Poonamallee-Puratchi (TPP) Road at Minjur. The configuration of the road comprises 6 lane divided carriageway with a service road and a footpath on either side with a central verge of 22 m for development of a rail transit in future.
NATIONAL INVESTMENT AND MANUFACTURING ZONE IN RAMANATHAPURAM DISTRICT, TAMIL NADU

STATE: TAMIL NADU

MODE OF IMPLEMENTATION
→ PPP

PROJECT STATUS
CURRENT STATUS
→ Studies in progress, expected to be completed in Feb-March’15

ANTICIPATED PROJECT TIMELINES
→ To be finalised

APPROXIMATE PROJECT COST
→ To be finalised

MODE OF FUNDING & FUNDING AGENCY
→ To be finalised

PROJECT DETAILS
PROJECT CONTURS
→ TIDCO has formulated a proposal on establishing a National Investment and Manufacturing Zone (NIMZ) in Ramanathapuram district which will be an Integrated Industrial Infrastructure with the aim to increase the level of investments in manufacturing industry and for capturing higher value addition in manufacturing goods made in the State. The NIMZs are envisaged as integrated industrial townships with state of the art infrastructure;

land use on the basis of zoning; clean and energy efficient technology; necessary social infrastructure; skill development facilities etc., to provide a productive environment for persons transitioning from the primary to the secondary and tertiary sectors.

CONTACT INFORMATION
IMPLEMENTING AGENCY
→ TIDCO, 19-A, Rukmini Lakshmipathi Salai Egmore, Chennai - 600 008, Ph: 0442858 9118

REASONS TO INVEST AND INVESTMENT OPPORTUNITIES IN VARIOUS SECTORS