

INVESTMENT OPPORTUNITIES IN INDIA

JANUARY 2015



MAKE IN INDIA



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ABBREVIATIONS

| | |
|---------------|---|
| ADD | Application Due Date |
| AKIC | Amritsar-Kolkata Industrial Corridor |
| BOO | Build Own Operate |
| BOT | Build Operate Transfer |
| CCEA | Cabinet Committee on Economic Affairs |
| CCI | Cabinet Committee on Infrastructure |
| CEA | Central Electrical Authority |
| CERC | Central Electricity Regulatory Commission |
| DBFOT | Design, Built, Finance, Operate and Transfer |
| DFC | Dedicated Freight Corridor |
| DIPP | Department Of Industrial Policy & Promotion |
| DMIC | Delhi-Mumbai Industrial Corridor |
| DMICDC | Delhi-Mumbai Industrial Corridor Development Corporation |
| DPR | Detailed Project Report |
| EPC | Engineering, Procurement and Construction |
| FDI | Foreign Direct Investment |
| FIPB | Foreign Investment Promotion Board |
| FVCI | Foreign Venture Capital Investor |
| FY | Financial Year |
| G-G | Government to Government |
| GICC | Gujarat Industrial Corridor Corporation |
| JICA | Japan International Cooperation Agency |
| JV | Joint Venture |

| | |
|--------------|---|
| MOCA | Ministry of Civil Aviation |
| MoP | Ministry of Power |
| MoR | Ministry of Railways |
| MoS | Ministry of Shipping |
| MRTH | Ministry of Road Transportation and Highways |
| NH | National Highway |
| NHAI | The National Highways Authority of India |
| NHDP | National Highways Development Project |
| NRI | Non-resident Indian |
| PPP | Public-Private Partnership |
| PPPAC | Public Private Partnership Approval Committee |
| PSU | Public Sector Undertaking |
| RFP | Request For Proposal |
| RFQ | Request For Qualification |
| SH | State Highway |
| SPV | Special Purpose Vehicle |
| TDR | Transferable Development Rights |
| TEFR | Techno-Economic Feasibility Report |
| UMPP | Ultra Mega Power Project |
| VGF | Viability Gap Funding |

INTRODUCTION

These are exciting times in India from the standpoint of economic growth and rapid development standpoint. The last year has been marked by a number of remarkable initiatives from the government such as “Make in India”, “Skill India”, “Digital India”, etc., which are committed to ensuring improvement in the business environment in India and making it the pre-eminent destination for global foreign direct investment.

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

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

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

‘DIGITAL INDIA’ is another initiative of Government of India to integrate the government’s departments and the people of India and to ensure effective governance. It also aims at ensuring 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

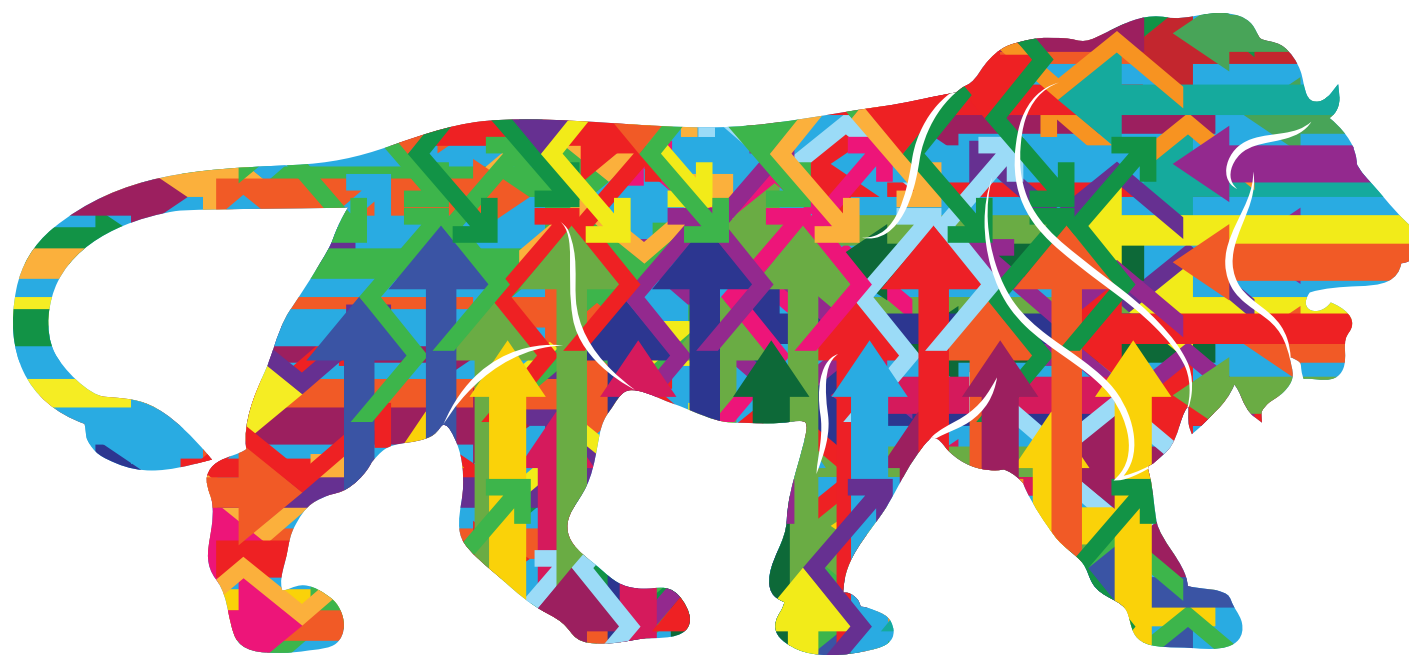
up numerous opportunities for investments across various sectors, including infrastructure.

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

AMITABH KANT
Secretary, DIPP

RECENT FOREIGN DIRECT INVESTMENT POLICY MEASURES



RECENT POLICY MEASURES

The 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 permission from the Central Government 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 the 26th of August, 2014, has allowed FDI up to 49% on approval route in Defence sector with certain conditions, for 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 the Cabinet Committee on Security on a case-to-case basis, wherever it is likely to result in access to modern and state-of-the-art technology in the country. Portfolio investments have been permitted in the Defence sector for up to 24% on automatic route. A number of conditions have been relaxed or 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 impetus to the 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 India's GDP growth.

RAILWAYS

→ The government, vide Press Note 8(2014) dated 27 August, 2014, has allowed 100% private and foreign direct investment under the 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 and locomotive/ coach manufacture and maintenance facilities
5. Railway Electrification
6. Signaling systems
7. Freight terminals
8. Passenger terminals
9. Infrastructure in industrial parks pertaining to railway line/sidings including electrified railway lines and connectivity to main railway lines
10. Mass Rapid Transport Systems

subject to meeting sectoral laws and with the condition that FDI beyond 49% in sensitive areas from a security point of view will be approved by the Cabinet Committee on Security on a case-to-case basis.

→ 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, locomotive manufacturing units and power plants, through public-private partnerships which would not only bring in the much needed capital but also technology and best global practices.

CONSTRUCTION DEVELOPMENT

→ 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 boost low-cost affordable housing, provisions for conditions of area restriction and minimum capitalization will not apply to cases committing 30% of the project cost towards affordable housing.

PHARMACEUTICAL SECTOR- CARVE OUT FOR MEDICAL DEVICES

→ The Government, vide Press Note No. 2 (2015), dated 6th January, 2015, has reviewed the FDI policy in Pharma Sector and has allowed FDI up to 100%, under the automatic route for manufacturing of medical devices

INSURANCE SECTOR

→ FDI limit in Insurance sector has been raised from 26% to 49%.

OTHER POLICY INITIATIVES

→ 100% FDI is 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.
→ Removal of restriction in tea plantation sector.
→ FDI limit raised to 74% in credit information & 100% in asset reconstruction companies.

Note: Citizen or entity from Bangladesh & Pakistan can invest only under the government route also investor from Pakistan cannot invest in defence, space, atomic energy and sectors prohibited for foreign investment.

SECTORS WITH RESTRICTIONS

SECTORS WHERE FOREIGN DIRECT INVESTMENT IS PROHIBITED

→ Lottery Business including Government/ private lottery, online lotteries, etc.
→ Gambling and betting 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:

1. Suburban corridor projects through PPP
2. High speed train projects
3. Dedicated freight lines
4. Rolling stock including train sets, and locomotives/ coaches manufacturing and maintenance facilities
5. Railway electrification
6. Signaling systems

7. Freight terminals
 8. Passenger terminals
 9. Infrastructure in industrial parks pertaining to railway line/sidings including electrified railway lines and connectivity to main railway lines
 10. Mass Rapid Transport Systems
- Legal services, bookkeeping, accounting & auditing

SECTORS WITH CAPS

74%

- Teleports (setting up of up-linking HUBs/Teleports), Direct to Home (DTH), Cable Networks (Multi-system operators (MSOs) operating at national, state or district level and undertaking upgradation of networks toward digitalization and addressability), Mobile TV and Headend-in-the-Sky Broadcasting Service (HITS).
- Air transport services - non-scheduled air transport.
- Ground handling services - Civil Aviation.
- Satellites- establishment and operation.
- Private Sector Banking - except branches or wholly owned subsidiaries.
- Credit information companies.

- Infrastructure companies in securities market.
- Insurance and sub-activities.
- Power exchanges.
- Defence (above 49% to CCS).

26%

- Broadcasting content services- FM Radio, uplinking of news and current affairs TV channels.
- Print Media dealing with news and current affairs.

20%

- Public 20% Sector Banking.

49%

- Petroleum Refining by PSU.
- Cable Networks.
- Air transport services - scheduled air transport.
- Private security agencies.
- Commodity exchanges.

SECTORS REQUIRING CENTRAL GOVERNMENT APPROVAL

100%

- Tea sector, including plantations.
- Mining and mineral separation of titanium-bearing minerals and ores, its value addition and integrated activities.
- 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/specialty journals/periodicals.
- Publication of facsimile editions of foreign newspapers.
- Pharmaceuticals - brownfield.

- 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.
- Terrestrial Broadcasting FM (FM Radio).

BEYOND 49%

- Defence - up to 49% under the government route through FIPB and beyond 49% under CCS approval (on a case-to-case basis, wherever 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 digitalization 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.

OTHER

- Defence - up to 49% under FIPB/CCEA approval.
- Airports - brownfield - beyond 74%
- Satellites - 74%
- Private securities agencies - 49%
- Banking public sector - 20%



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
- Sovereign Wealth Funds
- NRIs / PIOs

FOREIGN INSTITUTIONAL INVESTORS:

- 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 USD 24000 millions, half of which are on PPP basis#

Top visionary projects to be implemented over the next five years are worth of USD 34080 millions#*

ROAD TRANSPORT AND HIGHWAYS

- Out of 26 projects 8 projects worth USD 1294 millions are on PPP basis.
- Most of the projects are around AKIC corridor.
- 26 projects worth USD 3638 millions are in final preparation stages before implementation, 9 are ready to be bid out and 16 are at various stages of the bidding process.
- Top visionary projects to be implemented in the next few years are worth USD 6032 millions of which projects worth USD 2682 millions are on PPP basis.

- Top 10 visionary projects in power for the next five years are worth above USD 19200 millions 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.

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 USD 1847 millions, almost 90% of which are on PPP basis.
- Top 10 visionary projects in shipping for the next few years are worth USD 8853 millions 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 USD 644 millions.

POWER

- Top 10 projects for FY 2015-16 amount to USD 17473 millions, out of which 5 projects are on PPP basis.
- 4 thermal power projects with installed capacity of more than 8,200 MW will be out for bidding in FY 2015-16.

RAILWAYS

- Majority of projects proposed for FY 2015-16 are on PPP basis.
- Total value of projects getting ready for procurement is above USD 1600 millions.
- Visionary railway projects upcoming in the next few years are worth USD 41120 millions.

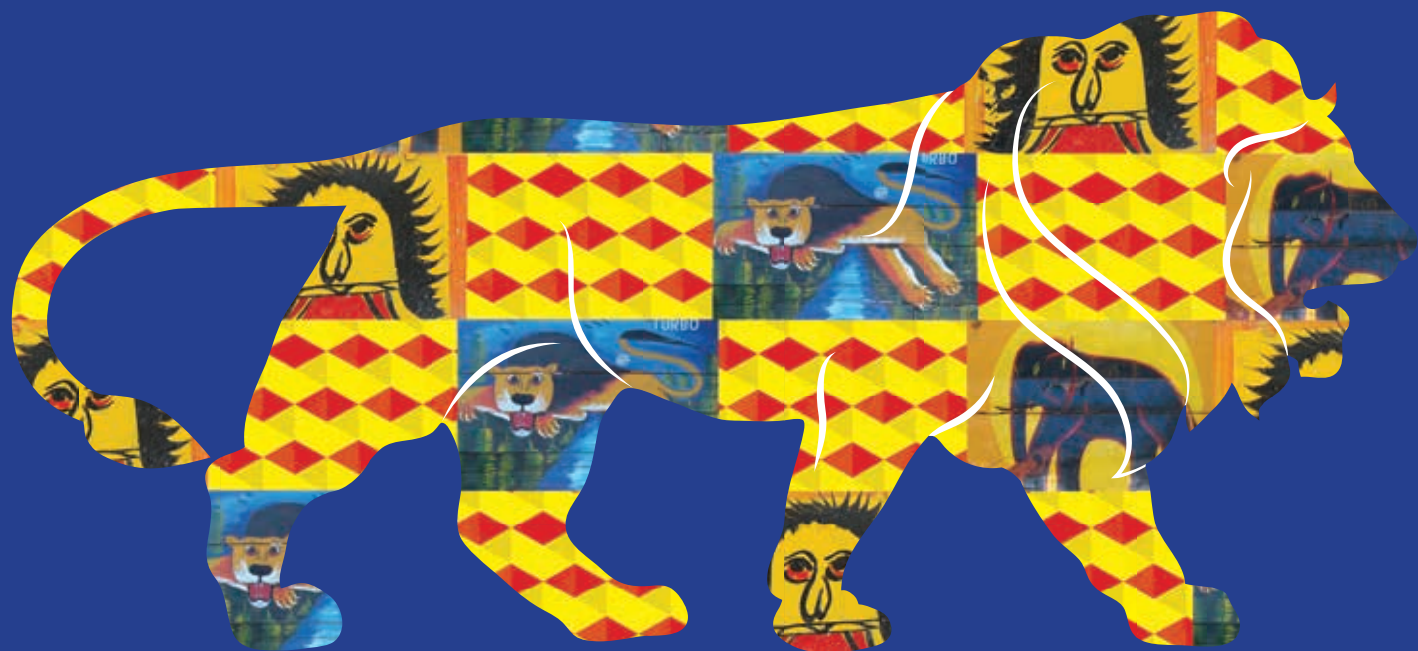
** Cost for some visionary projects, esp. in power, is yet to be ascertained and, hence, not included.*

numbers are approximated based on project cost availability, projects by central government have been included



PROJECTS FOR PROCUREMENT

ROAD TRANSPORT AND HIGHWAYS



REASONS TO INVEST

- 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 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 reach USD 10 Billion.

INVESTMENT OPPORTUNITIES

- 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 (a 150 km long project with a total project cost of USD 1 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 North-eastern region with state capitals and district headquarters - a three phase project; facilitating connectivity of 88 district headquarters in the North - eastern states to the nearest national highways.

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: ODISHA

Four-laning from Singhara to Binjabahal Section of NH-6 under NHDP, Phase-IV.

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Mayurbhanj, Keonjhar

MODE OF IMPLEMENTATION

→ PPP

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Existing two-lane proposed to be widened to four-lane standards. Stretch is part of NH-6 providing connectivity between Surat and Kolkata.

PROJECT STATUS

CURRENT STATUS

- DPR completed
- CMD approval is awaited
- To be bid out again after change of mode of delivery

CONTACT INFORMATION

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ANTICIPATED PROJECT TIMELINES

- Project bidding dates: 15/03/2015
- Construction start dates: 15/06/2015

APPROXIMATE PROJECT COST

→ USD 172 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

→ Four-laning from Singhara to the Binjabahal Section (310.806 km to 414.982 km) of NH-6 in the State of Odisha on Design, Build, Finance, Operate and Transfer, BOT (Toll) Basis under NHDP, Phase-IV.

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: ODISHA

Rehabilitation and upgradation to four-laning of Binjabahal to Telebani Section of NH-6 under NHDP, Phase-IV

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ DPR completed

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: 19/02/2015

→ Construction start dates: 15/08/2015

APPROXIMATE PROJECT COST

→ USD 154 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

→ Rehabilitation and Upgradation to four-laning of Binjabahal to Telebani Section (414.982 km to 492.590 km) of NH-6 in the State of Odisha, on Design, Build, Finance, Operate and Transfer, BOT(Toll) Basis under NHDP, Phase-IV.

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Keojhar, Deogarh

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Existing two-lane proposed to be widened to four-lane standards. Stretch is part of NH-6 providing connectivity between Surat and Kolkata.

CONTACT INFORMATION

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PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: ODISHA

Four-laning/ two-laning with paved shoulder from Telebani to Sambalpur Section of NH-6 under NHDP, Phase-IV.

MODE OF IMPLEMENTATION

→ EPC

PROJECT STATUS

CURRENT STATUS

→ DPR completed

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: 15/03/2015

→ Construction start dates: 15/05/2015

APPROXIMATE PROJECT COST

→ USD 112 millions

MODE OF FUNDING & FUNDING AGENCY

→ Government

PROJECT DETAILS

PROJECT CONTOURS

→ Four-laning/ two-laning with paved shoulder from Telebani to Sambalpur Section (492.590 km to 567.400 km) of NH-6 in the State of Odisha on Design, Build, Finance, Operate and Transfer, BOT (Toll) Basis under NHDP, Phase-IV.

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Sambalpur

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Existing two-lane proposed to be widened to four-lane standards. Stretch is part of NH-6 providing connectivity between Surat and Kolkata.

CONTACT INFORMATION

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PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: BIHAR

Four-laning of existing road from Patna to Koilwar.

MODE OF IMPLEMENTATION

→ EPC

PROJECT STATUS

CURRENT STATUS

- Feasibility completed and project bids are invited
- CCI approval awaited

ANTICIPATED PROJECT TIMELINES

- Project bidding dates: 11/03/ 2015, tentative
- Construction start dates: May 2015, tentative

APPROXIMATE PROJECT COST

→ USD 78 millions

MODE OF FUNDING & FUNDING AGENCY

→ Budgetary resources, NHAI

PROJECT DETAILS

PROJECT CONTOURS

→ Improvement of existing NH-30

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Patna, Ara

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Already connected with existing NH-30 (two-lane). The same stretch is proposed to be converted into four-lane

CONTACT INFORMATION

IMPLEMENTING AGENCY

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PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: BIHAR

Four-laning of existing road from Koilwar to Bhojpur

MODE OF IMPLEMENTATION

→ EPC

PROJECT STATUS

CURRENT STATUS

- Feasibility completed and project bids are invited
- CCI approval awaited

ANTICIPATED PROJECT TIMELINES

- Project bidding dates: 11/03/2015, tentative
- Construction start dates: May 2015, tentative

APPROXIMATE PROJECT COST

→ USD 120 millions

MODE OF FUNDING & FUNDING AGENCY

→ Budgetary resources, NHAI

PROJECT DETAILS

PROJECT CONTOURS

→ Improvement of existing NH-30 & 84

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Ara, Bhojpur

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Already connected with existing NH-30 & 84. The same stretch is proposed to be converted into four-lane

CONTACT INFORMATION

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PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: BIHAR

Four-laning of existing road from Bhojpur to Buxar

MODE OF IMPLEMENTATION

→ EPC

PROJECT STATUS

CURRENT STATUS

- Feasibility completed and project bids are invited
- CCI approval awaited

ANTICIPATED PROJECT TIMELINES

- Project bidding dates: 11/03/2015, tentative
- Construction start dates: May 2015, tentative

APPROXIMATE PROJECT COST

→ USD 95 millions

MODE OF FUNDING & FUNDING AGENCY

→ Budgetary resources, NHAI

PROJECT DETAILS

PROJECT CONTOURS

→ Improvement of existing NH-84

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Bhojpur, Buxar

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Already connected with existing NH-84. The same stretch is proposed to be converted into a four-lane

CONTACT INFORMATION

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PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: BIHAR

Four-laning of existing NH between Bakhtiyarpur and Mokama

MODE OF IMPLEMENTATION

→ EPC

PROJECT STATUS

CURRENT STATUS

- Feasibility completed and project bids are invited
- CCI approval awaited

ANTICIPATED PROJECT TIMELINES

- Project bidding dates: 28/01/ 2015, tentative
- Construction start dates: April 2015, tentative

APPROXIMATE PROJECT COST

→ USD 157 millions

MODE OF FUNDING & FUNDING AGENCY

→ Budgetary resources, NHAI

PROJECT DETAILS

PROJECT CONTOURS

→ Improvement of existing NH-31

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Bakhtiyarpur, Mokama

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Already connected with existing NH-31. The same stretch is proposed to be converted into a four-lane.

CONTACT INFORMATION

IMPLEMENTING AGENCY

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PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: BIHAR

New four-laning of Ganga Bridge and its approaches.

MODE OF IMPLEMENTATION

→ EPC

PROJECT STATUS

CURRENT STATUS

- Feasibility completed and project bids are invited
- CCI approval awaited

ANTICIPATED PROJECT TIMELINES

- Project bidding dates: 28/01/2015, tentative
- Construction start dates: April 2015, tentative

APPROXIMATE PROJECT COST

→ USD 78 millions

MODE OF FUNDING & FUNDING AGENCY

→ Budgetary resources, NHAI

PROJECT DETAILS

PROJECT CONTOURS

→ Improvement of existing NH-84

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Mokama, Begusarai

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Already connected with existing NH-31. The same stretch is proposed to be converted into a four-lane.

CONTACT INFORMATION

IMPLEMENTING AGENCY

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PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: BIHAR

Four-laning of existing road from Simaria to Khagaria.

MODE OF IMPLEMENTATION

→ EPC

PROJECT STATUS

CURRENT STATUS

→ Feasibility completed and project bids are invited CCI approval awaited

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: 28/01/2015, tentative
→ Construction start dates: April 2015, tentative

APPROXIMATE PROJECT COST

→ USD 97 millions

MODE OF FUNDING & FUNDING AGENCY

→ Budgetary resources, NHAI

PROJECT DETAILS

PROJECT CONTOURS

→ Improvement of existing NH-31

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Begusarai, Khagaria

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Already connected with existing NH-31. The same stretch is proposed to be converted into a four-lane

CONTACT INFORMATION

IMPLEMENTING AGENCY

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PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: JAMMU & KASHMIR

Four-laning of Udhampur-Ramban Section of NH-1A under NHDP, Phase-II.

MODE OF IMPLEMENTATION

→ Government (EPC mode)

PROJECT STATUS

CURRENT STATUS

- Approved by Executive Finance Committee on 25/06/2014, CCEA approval awaited
- Required studies have been completed

ANTICIPATED PROJECT TIMELINES

- Project bidding dates: RFP invited, due date on 10/02/2015
- Construction start dates: 01/04/2015

APPROXIMATE PROJECT COST

→ USD 281 millions

MODE OF FUNDING & FUNDING AGENCY

→ EPC

PROJECT DETAILS

PROJECT CONTOURS

→ Four-laning of Udhampur-Ramban Section of NH-1A (now NH-44) from 67.00 km to 89.00 km, 130.00 km to 151.00 km on EPC mode in the State of Jammu & Kashmir under NHDP, Phase-II.

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Distt. Udhampur and Ramban

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Existing two-lane to be widened to four-lane standards

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ NHAI, Dwarka, New Delhi-110075

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Shri Ajay Bishnoi, General Manager (Tech.)
Phone: +919560215849

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: HARYANA

Eight-laning of Section of NH-1 (New NH-44)

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Districts: Karnal and Sonapat, Haryana

MODE OF IMPLEMENTATION

→ BOT (Toll Mode)

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Existing six-lane to be upgraded to eight-lane standards with service roads on both sides

PROJECT STATUS

CURRENT STATUS

→ DPR completed and documents submitted to the MoRTH for approval of the project by PPPAC/CCEA

→ PPPAC/CCEA approval awaited

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: RFP invited which is due on 16/02/2015

→ Construction start dates: N/A

APPROXIMATE PROJECT COST

→ USD 340 millions

MODE OF FUNDING & FUNDING AGENCY

→ BOT(Toll)

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ NHAI, Dwarka, New Delhi-110075

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Shri M.K. Jain, General Manager (Tech.)

Phone: +919650011901

PROJECT DETAILS

PROJECT CONTOURS

→ Project is for improvement of existing six-lane to eight-lane standard and service roads (7m width) on both sides (from Mukarba Chowk at 15.500km to Panipat 86.000 km) Structures to be constructed on the eight-lane standard.

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: UTTAR PRADESH

Six-laning of Agra to Etawah Bypass section of NH-2

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ 12 Nos. of RFQ applications have been received and are under evaluation. Proposal is being circulated for consideration of PPPAC

→ Project is under bidding stage

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: bids will be invited by Feb. 2015

→ Construction start dates: October 2015

APPROXIMATE PROJECT COST

→ USD 264 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

→ Plain terrain

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ District: Agra, Firozabad, Mainpuri and Etawah district

→ Towns: Agra, Etmadpur, Firozabad, Shikohabad, Jaswantnagar and Etawah

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Existing four-lane facility connecting Agra and Etawah, which is proposed to be upgraded to six-lane

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ NHAI, Dwarka, New Delhi-110075

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Shri J K Goyal, General Manager (Tech.)
Phone: +919911120339

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: CHHATTISGARH

Four-laning of Raipur-Bilaspur section of NH-200

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ Project appraised by PPPAC on 23/12/2014

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: 08/01/2015-RFQ 28/02/2015 RFP

→ Construction start dates: 01/10/2015

APPROXIMATE PROJECT COST

→ USD 247 millions - TPC

→ USD 314 millions - Capital Cost

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

→ Project includes four-laning of highway starting from Raipur (0.00 Km) and ending at Bilaspur (126.525 Km)

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ The Project highway passes through Raipur, Charoda, Dharshiva, Simga, Baitalpur, Sargaon, Bilaspur falling in the districts of Raipur, Durg and Bilaspur

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Existing - 0.00 km to 8.40-km - four-lane undivided road
8.40 km to 126.525 km - two lane flexible

→ Proposed - 0.00 km to 14.80 km (Raipur bypass) - four-lane
14.80 km to 48.58 km (Raipur-Simga - six lane)
48.58 km to 105.98 km - four Lane
105.98 km to 126.525 km (Bilaspur Bypass) - four-lane

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ NHAI, Dwarka, New Delhi-110075

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Shri Khushal Chand, General Manager (Tech.)
Phone: +919971333169

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: MAHARASHTRA

Four-laning of Amravati-Chikli road under NHDP, Phase-IV

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ The proposal was submitted to the Ministry vide letter dated 03/11/2014 on both EPC and BOT Mode

ANTICIPATED PROJECT TIMELINES

→ RFQs invited on BOT mode 10/12/2014 and to be received on 12/01/2015

APPROXIMATE PROJECT COST

→ USD 357 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

→ Four-laning of Amravati-Chikli, from 166.000 km to 360.000 km in the state of Maharashtra to be executed as BOT (Toll) basis on DBFOT pattern under NHDP, Phase-IV, length 194 km, NH 6

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Amravati-Chikli, from 166.000 km to 360.000 km in the state of Maharashtra

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ NHAI, Dwarka, New Delhi-110075

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Shri A. K. Sharma, General Manager (Tech.)
Phone: +919968309230

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: MAHARASHTRA

Four-laning of Chikli-Fagne road under NHDP, Phase-IV

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ The proposal was submitted to the Ministry vide letter dated 03/11/2014 on both EPC and BOT Mode

ANTICIPATED PROJECT TIMELINES

→ RFQs invited on BOT mode 10/12/2014 and to be received on 12/01/2015

APPROXIMATE PROJECT COST

→ USD 302 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

→ Four-laning of Chikli-Fagne, from 360.000 km to 510.000 km in the state of Maharashtra to be executed as BOT (Toll) basis on DBFOT pattern under NHDP, Phase-IV., length:150 km, NH 6

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Chikli-Fagne, from 360.000 km to 510.000 km in the state of Maharashtra

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ NHAI, Dwarka, New Delhi-110075

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Shri A. K. Sharma, General Manager (Tech.)
Phone: +919968309230

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: MAHARASHTRA

Four-laning of Fagne-MAH/Guj Border Road under NHDP, Phase-IV

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ The proposal was submitted to Ministry vide letter dated 03.11.2014 on both EPC and BOT Mode

ANTICIPATED PROJECT TIMELINES

→ RFQs invited on BOT mode 10/12/2014 and to be received on 12/01/2015

APPROXIMATE PROJECT COST

→ USD 305 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

→ Four-laning of Fagne-MAH/Guj Border from 510.000 km to 650.794 km in the state of Maharashtra to be executed as BOT (Toll) basis on DBFOT pattern under NHDP, Phase-IV, length 140.794 km, NH 6

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Fagne-MAH/Guj Border from 510.000 km to 650.794 km in the state of Maharashtra

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ NHAI, Dwarka, New Delhi-110075

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Shri A. K. Sharma, General Manager (Tech.)
Phone: +919968309230

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: HARYANA & UTTAR PRADESH

Development of Six-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-PIB
- 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

- USD 922 millions

MODE OF FUNDING & FUNDING AGENCY

- PPP

PROJECT DETAILS

PROJECT CONTOURS

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

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

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

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Greenfield 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.)

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

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

→ USD 472 millions

MODE OF FUNDING & FUNDING AGENCY

→ BOT (Toll)

PROJECT DETAILS

PROJECT CONTOURS

→ Project is for Development of six-lane expressway from 0.000 km to 27.500 km with four-lane Service Road on either side and six-lane highway (Delhi - Hapur Section of NH-24) from 27.500 km to 49.923 km with two-lane service road on either side.

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

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

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Existing four-lane to be upgraded to six-lane expressway standards with four-lane Service Road on either side from 0.000 km to 27.500 km and existing four-lane to be upgraded to six-lane with two-lane service road on either side from 27.500 km to 49.923 km.

CONTACT INFORMATION

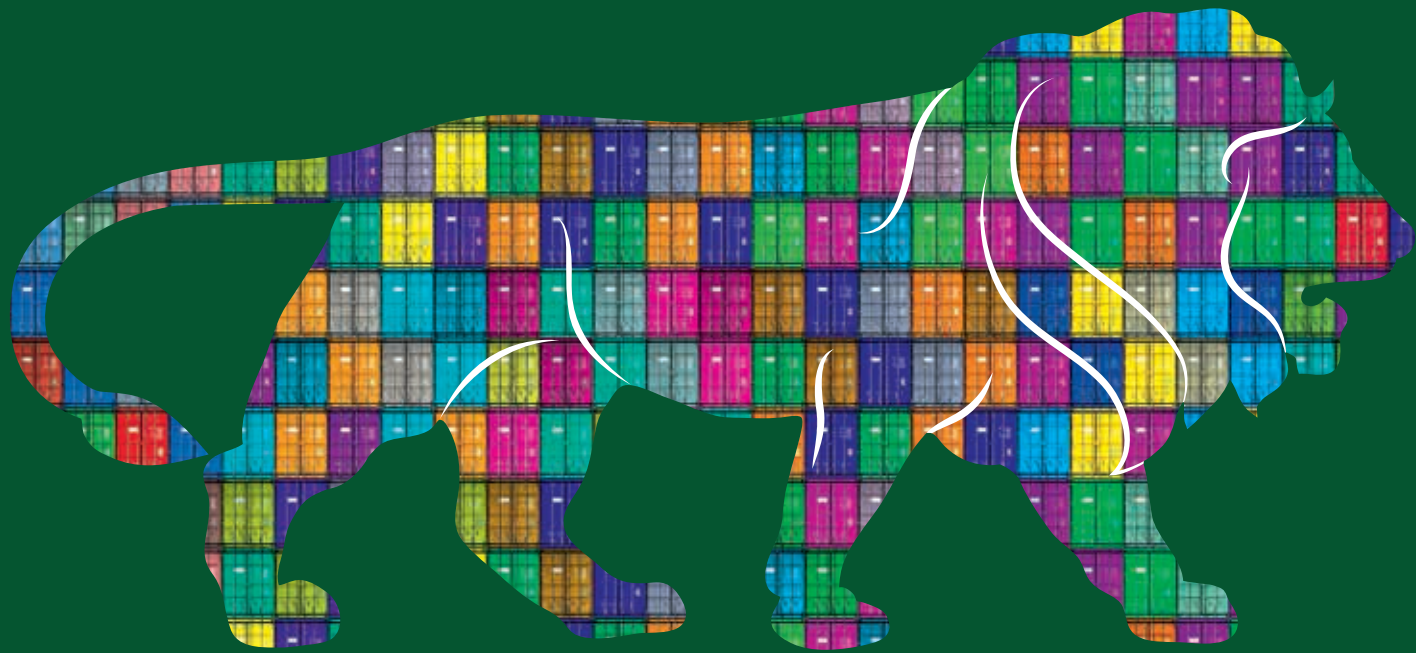
IMPLEMENTING AGENCY

→ 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)

PORTS AND SHIPPING



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 USD 6880 Million. 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.

→ 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.

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.

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: MAHARASHTRA

Development of Additional Liquid Berth Terminal,
Jawaharlal Nehru Port Trust

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ Studies completed. Administrative approval
being obtained

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: Issue of RFQ: 30/03/2015

→ Construction start dates: 01/11/2016

APPROXIMATE PROJECT COST

→ USD 152 millions

MODE OF FUNDING & FUNDING AGENCY

→ Private

PROJECT DETAILS

PROJECT CONTOURS

→ Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Sheva, Navi Mumbai

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Well connected by rail/road to railways/national
highway network. Connection to Western Dedicated
Freight Corridor to be provided

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Jawaharlal Nehru Port Trust

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Chairman: Mr. N.N. Kumar

Phone: +91 22 27244002

Email: chairman@jnport.gov.in

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: MAHARASHTRA

Floating Storage & Regassification Unit,
Mumbai Port Trust

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Well connected by rail/road to railways/national
highway network

MODE OF IMPLEMENTATION

→ PPP

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Mumbai Port Trust

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Chairman: Mr. Ravi M. Parmar
Phone: +91 22 22621234
Email: chairman@mbptmail.com

PROJECT STATUS

CURRENT STATUS

→ Studies completed. Under bidding

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: RFQ issued: 24/11/2014.
Last date for receipt of RFQ: 18/2/2015
→ Construction start dates: 01/10/2016

APPROXIMATE PROJECT COST

→ USD 320 millions

MODE OF FUNDING & FUNDING AGENCY

→ Private

PROJECT DETAILS

PROJECT CONTOURS

→ Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Colaba, Mumbai

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: ANDHRA PRADESH

Replacement of existing berths EQ-2,3,4,5,
Visakhapatnam Port Trust

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ DPR will be ready by 01/04/2015

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: Issue of RFQ: 15/04/2015

→ Construction start dates: 01/10/2016

APPROXIMATE PROJECT COST

→ USD 96 millions

MODE OF FUNDING & FUNDING AGENCY

→ Private

PROJECT DETAILS

PROJECT CONTOURS

→ Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Visakhapatnam

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Well-connected by rail/road to railway/national
highway network

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Visakhapatnam Port Trust

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Chairman: Mr. M.T. Krishna Babu

Tel: 0891-2562758

Email id: vpt.chairman@gmail.com

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: ODISHA

Mechanization of EQ-1 to EQ-3 Berths,
Paradip Port Trust

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Rail/road connectivity available to railway/national highway network. Haridaspur- Paradip Railway connectivity project under implementation

MODE OF IMPLEMENTATION

→ PPP

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Paradip Port Trust

PROJECT STATUS

CURRENT STATUS

→ All studies completed

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: Issue of RFP document:
15/04/2015

→ Construction start dates: 16/04/2016

APPROXIMATE PROJECT COST

→ USD 250 millions

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Chairman: Mr. S.S. Mishra

Phone: +91 6722 222256

Email: chmppt@paradipport.gov.in

MODE OF FUNDING & FUNDING AGENCY

→ Private

PROJECT DETAILS

PROJECT CONTOURS

→ Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Jagatsinghpur District

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: ODISHA

Mechanization of CQ-1 to CQ-2 Berths, Paradip Port Trust

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Rail/road connectivity available to Railway/National Highway network. Haridaspur- Paradip Railway connectivity project under implementation

MODE OF IMPLEMENTATION

→ PPP

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@paradiport.gov.in

PROJECT STATUS

CURRENT STATUS

→ Feasibility report will be ready by 30/04/2015

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: Issue of RFP document: 31/05/2015

→ Construction start dates: 01/01/2017

APPROXIMATE PROJECT COST

→ USD 192 millions

MODE OF FUNDING & FUNDING AGENCY

→ Private

PROJECT DETAILS

PROJECT CONTOURS

→ Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Jagatsinghpur District

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: GUJARAT

Development of container terminal at Tuna-Tekra at Kandla Port Trust

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ Studies completed

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: Issue of RFP document: 31/05/2015

→ Construction start dates: 31/12/2016

APPROXIMATE PROJECT COST

→ USD 496 millions

MODE OF FUNDING & FUNDING AGENCY

→ Private

PROJECT DETAILS

PROJECT CONTOURS

→ Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Gandhidham (Kutch)

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Well connected by rail/road to railways/national highway network. Connection to Western Dedicated Freight Corridor to be provided

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Kandla Port Trust

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Chairman: Mr. Ravi M. Parmar

Phone: +91 2836 233001

Email: chairman@kandla.com

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: GOA

Conversion of Ore Handling Plant to Multi Cargo Berth at Mormugao Port Trust

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Rail/ road connectivity available to railway/ national highway network

MODE OF IMPLEMENTATION

→ PPP

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Mormugao Port Trust

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Dy. Chairman: Mr. Cyril George
Phone: +91 832 2521100
Email: chairman@mptgoa.com

PROJECT STATUS

CURRENT STATUS

→ Issue of NIT for appointment of Consultant: 15/01/2015; Appointment of Consultant: 31/03/2015
→ Final Report from Consultant: 30/06/2015

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: Issue of RFQ: 15/07/2015
→ Construction start dates: 31/01/2017

APPROXIMATE PROJECT COST

→ USD 84 millions

MODE OF FUNDING & FUNDING AGENCY

→ Private

PROJECT DETAILS

PROJECT CONTOURS

→ Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Goa

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: KARNATAKA

Construction of Multipurpose Berth No. 19 at New Mangalore Port Trust

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Well connected by rail/ road to railways/ national highway network

MODE OF IMPLEMENTATION

→ PPP

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ New Mangalore Port Trust

PROJECT STATUS

CURRENT STATUS

- Studies completed till date
- Preparation of Feasibility Report: 17/05/2015

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Chairman: Mr. P.C Parida
Phone: +91 824 2407300
Email: nmptchairman@sify.com

ANTICIPATED PROJECT TIMELINES

- Project bidding dates: Issue of RFQ: 10/09/2015
- Construction start dates: 31/12/2016

APPROXIMATE PROJECT COST

→ USD 48 millions

MODE OF FUNDING & FUNDING AGENCY

→ Private

PROJECT DETAILS

PROJECT CONTOURS

→ Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Panambur, Mangalore

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

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

→ Contact Implementing Agency

APPROXIMATE PROJECT COST

→ USD 817 millions

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

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

STATE: TAMIL NADU

Development of Colachal 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

→ USD 960 millions

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 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 Implementing Agency

APPROXIMATE PROJECT COST

→ USD 528 millions

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 Project under implementation

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@paradiport.gov.in

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

STATE: TAMIL NADU

Outer Harbour Development Project at V.O Chidambarnar 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

→ USD 1861 millions

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: 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

→ USD 400 millions

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

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

STATE: WEST BENGAL

Development of Sagar Port

MODE OF IMPLEMENTATION

→ Government + PPP

PROJECT STATUS

CURRENT STATUS

→ Studies completed. Revalidation 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

→ USD 400 millions

MODE OF FUNDING & FUNDING AGENCY

→ GBS+Port's Internal Resources+Private

PROJECT DETAILS

PROJECT CONTOURS

→ Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Sagar

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

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

STATE: TAMIL NADU

Greater Kamarajar Port Development Project

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

- Under Planning Stage
- Studies underway

ANTICIPATED PROJECT TIMELINES

→ N/A

APPROXIMATE PROJECT COST

→ USD 800 millions

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

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Kamarajar Port Ltd.

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ CMD: Mr. M.A. Bhaskarachar
Phone: +91 44 25251666
Email: info@epl.gov.in

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

STATE: ANDHRA PRADESH

Development of Dugarajapatnam Port Phase-I

MODE OF IMPLEMENTATION

→ Government + PPP

PROJECT STATUS

CURRENT STATUS

- Studies completed
- Project SPV to be set up

ANTICIPATED PROJECT TIMELINES

→ Being firmed up. Contact Implementing Agency

APPROXIMATE PROJECT COST

→ USD 974 millions

MODE OF FUNDING & FUNDING AGENCY

→ GBS+Port's Internal Resources+Private

PROJECT DETAILS

PROJECT CONTOURS

→ Contact Implementing Agency

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Dugarajapatnam

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Visakhapatnam Port Trust

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Chairman: Mr. M.T Krishna Babu

Phone: +91 891 2562758

Email: vpt.chairman@gmail.com

CIVIL AVIATION



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 third 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 inter-regional hub and Agartala, Imphal and Dibrugarh as intra-regional 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.

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: MULTIPLE STATES

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

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

- RFQs for Chennai, Kolkata, Ahmedabad 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
 - Pre-application Conference: 11/02/2015
 - Authority response to queries latest by: 03/03/2015
 - Application Due Date (ADD): 24/03/2015
 - Construction start dates: Project implementation will be initiated after the award of projects

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, Ahmedabad 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

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 24610366

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: ODISHA

Extension and strengthening of Runway a 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

→ USD 12 millions

MODE OF FUNDING & FUNDING AGENCY

→ Government

PROJECT DETAILS

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Jharsuguda, Odisha

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Airports Authority of India, Rajiv Gandhi Bhawan, New Delhi

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

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

→ USD 16 millions

MODE OF FUNDING & FUNDING AGENCY

→ Government

PROJECT DETAILS

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

MODE OF IMPLEMENTATION

→ Government/ EPC

PROJECT STATUS

CURRENT STATUS

→ DPR/Feasibility/Technical study: planned to be taken up in one year

APPROXIMATE PROJECT COST

→ USD 8.8 millions

MODE OF FUNDING & FUNDING AGENCY

→ Government

PROJECT DETAILS

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Dibrugarh, Assam

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Airports Authority of India, Rajiv Gandhi Bhawan, New Delhi

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

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 be taken up in one year

APPROXIMATE PROJECT COST

→ USD 10 millions

MODE OF FUNDING & FUNDING AGENCY

→ Government

PROJECT DETAILS

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Thiruvananthapuram, Kerala

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Airports Authority of India, Rajiv Gandhi Bhawan, New Delhi

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

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 be taken up in one year

APPROXIMATE PROJECT COST

→ USD 24 millions

MODE OF FUNDING & FUNDING AGENCY

→ Government

PROJECT DETAILS

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Kolkata, West Bengal

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Airports Authority of India, Rajiv Gandhi Bhawan, New Delhi

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: GUJARAT

Strengthening and extension of runway at Surat Airport

MODE OF IMPLEMENTATION

→ Government/ EPC

PROJECT STATUS

CURRENT STATUS

→ DPR/Feasibility/Technical study: planned to be taken up in one year

APPROXIMATE PROJECT COST

→ USD 10 millions

MODE OF FUNDING & FUNDING AGENCY

→ Government

PROJECT DETAILS

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Surat, Gujarat

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Airports Authority of India, Rajiv Gandhi Bhawan, New Delhi

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: 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 be taken
up in one year

APPROXIMATE PROJECT COST

→ USD 17 millions

MODE OF FUNDING & FUNDING AGENCY

→ Government

PROJECT DETAILS

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Vijayawada, Andhra Pradesh

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Airports Authority of India, Rajiv Gandhi Bhawan,
New Delhi

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: GUJARAT

Re-carpeting of runway at Ahmedabad Airport

MODE OF IMPLEMENTATION

→ Government/ EPC

PROJECT STATUS

CURRENT STATUS

→ DPR/Feasibility/Technical study: planned to be taken up in one year

APPROXIMATE PROJECT COST

→ USD 8 millions

MODE OF FUNDING & FUNDING AGENCY

→ Government

PROJECT DETAILS

PROJECT CONTOURS

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Ahmedabad, Gujarat

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Airports Authority of India, Rajiv Gandhi Bhawan, New Delhi

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

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 finalised

PROJECT DETAILS

PROJECT CONTOURS

→ Initial stage

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

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

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 held, suggestions obtained

ANTICIPATED PROJECT TIMELINES

→ Timeline yet to be finalized

APPROXIMATE PROJECT COST

→ USD 4-5 millions

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

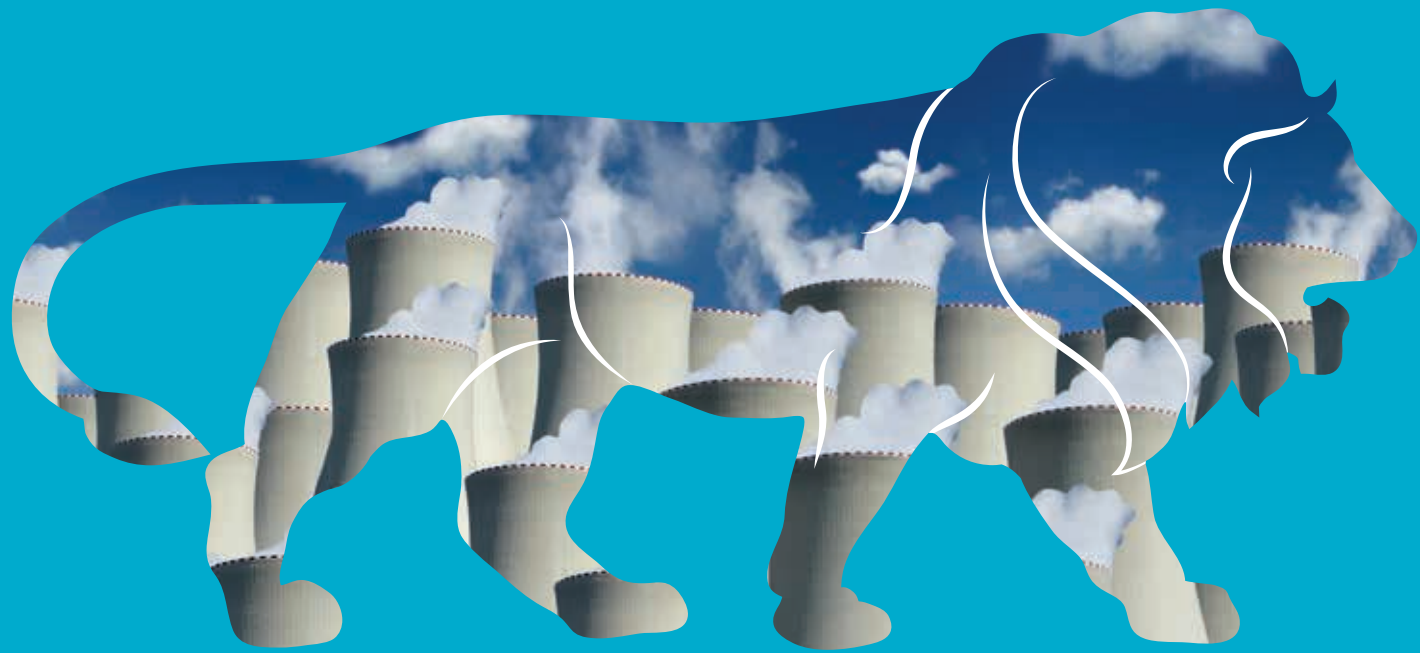
IMPLEMENTING AGENCY

→ 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

POWER: THERMAL POWER



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.

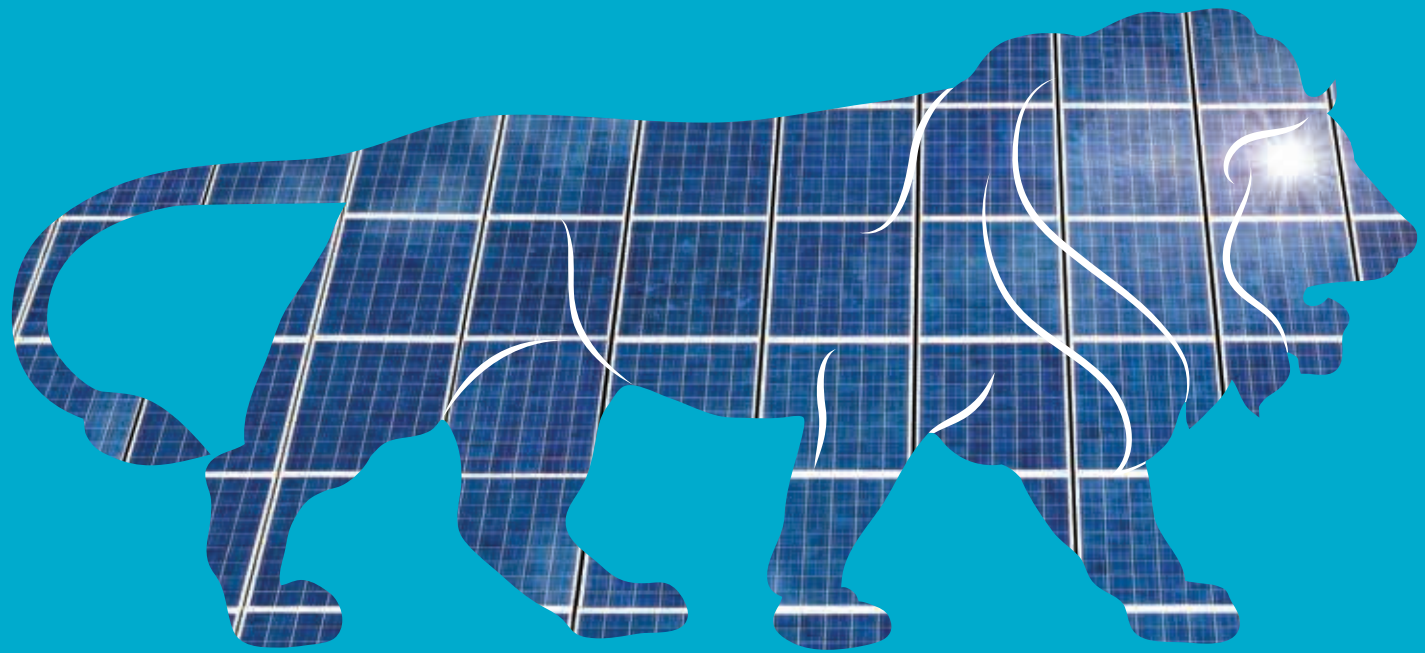
→ As of March 31, 2013, total coal reserves stood at 298.94 Billion Tonnes, out of which 123.19 Billion Tonnes were proven reserves.

→ Proven natural gas reserves measure up to 1,354.76 Billion cubic meters.

INVESTMENT OPPORTUNITIES

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

POWER: RENEWABLE ENERGY



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 31.70 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 21.1 GW and an estimated potential of 102.8 GW.
- Small hydro has installed capacity of 3.8 GW and an estimated potential of 19.7 GW.
- Bio-power (including biomass and bagasse co-generation) has an installed capacity of 4.1GW 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 at 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

Cheyhur Ultra Mega Power Project

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ Environment and forest clearance, permission to use sea water available. Feasibility report available. Land acquisition underway

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

→ USD 4160 millions

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

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ The site is 96 km away from the south of Chennai towards sea shore. It is approachable from East Coast Road (ECR) and also from Melmaruvathur (21 km)/ Maduranthakam (22 km) on National Highway NH-45

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ To be selected through tariff-based competitive bidding

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: ODISHA

Odisha Ultra Mega Power Project

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ Water linkage study has been completed. Feasibility Report available. Land acquisition underway. Environment and forest clearance is under process

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: to be decided by MoP
→ Construction start dates: project is awarded and PPA signed

APPROXIMATE PROJECT COST

→ USD 4640 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

→ The site is located near Bhedabahal village in Sudargarh District in the State of Odisha, India

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ The project site involves six villages: Kopsingha, Rupidihi, Lankahuda, Kerai, Kandhabahal and Bhedabahal

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Railway Accessibility: the nearest railway station is 20 kms from project site in Jharsuguda on Howrah-Mumbai main trunk line of SE railway

→ Road Accessibility: State Highway No. 10 connecting Sundargarh-Jharsuguda is located about 550 metres away from the project site. Nearest National Highway (NH-200) from Raipur to Chandikhole is about 30 kms away from the site

→ Air Accessibility: Nearby airports at Ranchi (200 km) and Bhubaneshwar (370 km) from project site

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ To be selected through tariff-based competitive bidding

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: MADHYA PRADESH, CHHATTISGARH AND MAHARASHTRA

System strengthening for IPPs in Chhattisgarh and other generation projects in Western Region

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ Survey under progress

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: RFQ issued on 29/12/2014. RfQ response submission-27/01/2015, RFP issuance 27/02/2015. Project award by Aug'15

→ Construction start dates: 6 months after award of project (after obtaining license from CERC)

APPROXIMATE PROJECT COST

→ To be decided by the committee constituted under Member, CEA

MODE OF FUNDING & FUNDING AGENCY

→ To be arranged by selected developer

PROJECT DETAILS

PROJECT CONTOURS

→ 1. 400 KV Interconnection at Gwalior 765/400 KV S/S

i. Gwalior 765/400 KV – Morena 400 KV D/C line
ii. Establishment of 2 X 315 MVA, 400/ 220 KV substation at Morena

400 KV

- Line bays – 2 nos.
- ICT – 2 x 315 MVA, 400/ 220 KV
- ICT bays – 2 nos.
- Bus reactor: 1X125 MVAR
- Space for 400 KV bays – 4 nos.

220 KV

- Line bays – 4 nos.
- ICT bays – 2 nos.
- Space for 220 KV bays – 4 nos

2. Additional evacuation line from Vindhyachal-IV & V STPP (3x500 MW)

i. Vindhyachal-IV & V STPP – Vindhyachal Pool 400 KV D/C (Quad) 2nd line
ii. 2 Nos. 400 KV Line bays at Vindhyachal - V STPP switchyard

3. Additional System Strengthening Scheme for Chhattisgarh IPPs (Part-A)

- i. Sasan UMPP – Vindhyachal Pooling station 765 KV S/C line
- ii. 1 no. of 765 KV line bay at Sasan UMPP of M/s SPL, Reliance
- iii. LILo of one circuit of Aurangabad – Padghe 765 KV D/C line at Pune
- iv. Raigarh (Kotra) - Champa (Pool) 765 KV 2nd S/C line
- v. Champa (pool) – Dharamjaigarh 765 KV 2nd S/C line

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ To be selected through tariff-based competitive bidding

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: CHHATTISGARH

Additional System Strengthening for Sipat STPS

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ Survey under progress

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: RFQ issued on 01/01/2015. RFQ response submission-30/01/2015, RFP issuance 02/03/2015. Project award by Aug' 15

→ Construction start dates: 6 months after award of project (after obtaining license from CERC)

APPROXIMATE PROJECT COST

→ To be decided by the committee constituted under Member, CEA

MODE OF FUNDING & FUNDING AGENCY

→ To be arranged by selected developer

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ To be selected through tariff-based competitive bidding

PROJECT DETAILS

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Sipat - Bilaspur Pooling Station 3rd 765 KV S/C line

→ Bilaspur Pooling Station - Rajnandgaon 765 KV D/C line

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: CHHATTISGARH & MAHARASHTRA

Additional System Strengthening Scheme for Chhattisgarh IPPs (Part B)

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ Survey completed

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: RFQ issued on 01/01/2015. RFQ response submission-30/01/2015, RFP issuance 02/03/2015. Project award by Aug' 15

→ Construction start dates: 6 months after award of project (after obtaining license from CERC)

APPROXIMATE PROJECT COST

→ To be decided by the committee constituted under Member, CEA

MODE OF FUNDING & FUNDING AGENCY

→ To be arranged by selected developer

PROJECT DETAILS

PROJECT CONTOURS

- Raipur (Pool) - Rajnandgaon 765 KV D/C line
- Rajnandgaon - New Pooling station near Warora 765 KV D/C line
- Establishment of new switching station near Rajnandgaon 765KV

1. Line bays – 6
 2. Bus reactor: 3 x 110 MVAR
 3. Bus reactor bay – 1
 4. Line reactors: 7 x 110 MVAR (1 unit spare) (switchable for Warora line)
 5. Space for 765 KV bays – 4
 6. Space for 765 KV ICT bays – 3
- 400KV
 1. Space for 400 KV ICT bays- 3
 2. Space for 400 KV bays – 4

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ To be selected through tariff-based competitive bidding

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

STATE: CHHATTISGARH, TAMIL NADU, KERALA

Construction of HVDC Bipole link

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Chhattisgarh, Tamil Nadu, Kerala

MODE OF IMPLEMENTATION

→ CPSU

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ POWERGRID, Corporate Office, Plot No. 2, Sector-29, Gurgaon, Haryana

PROJECT STATUS

CURRENT STATUS

→ DPR under preparation and procurement likely to start from Feb.'15

→ Studies are yet to start

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Sudhir Mital, General Manager, POWERGRID, Phone: +91 124 2571957

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: FY 2015-16

→ Construction start dates: FY 2016-17

→ Anticipated project timelines: FY 2018-19

APPROXIMATE PROJECT COST

→ USD 3200 millions

MODE OF FUNDING & FUNDING AGENCY

→ To be finalized

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 Interstate Power Transmission project

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

STATE: MADHYA PRADESH, UTTAR PRADESH

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

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Linear long distance inter-State Power Transmission project

MODE OF IMPLEMENTATION

→ CPSU

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ POWERGRID, Corporate Office, Plot No. 2, Sector-29, Gurgaon, Haryana

PROJECT STATUS

CURRENT STATUS

→ Investment approved in Dec.'14. Project to be awarded from January' 15

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Sudhir Mital, General Manager, POWERGRID, Phone: +91 124 2571957

ANTICIPATED PROJECT TIMELINES

→ Anticipated project timelines: (40 months from Investment Approval Mar'18)

→ Project bidding dates: Under award. Awards expected to start by Jan.'15 onwards

→ Construction start dates: 1-May-15

APPROXIMATE PROJECT COST

→ Above USD 1040 millions

MODE OF FUNDING & FUNDING AGENCY

→ Multilateral/ Domestic

PROJECT DETAILS

PROJECT CONTOURS

→ Madhya Pradesh, Uttar Pradesh

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

STATE: GUJARAT, RAJASTHAN, TAMIL NADU

Green Energy Corridors -ISTS Parts-A, B & C

MODE OF IMPLEMENTATION

→ CPSU

PROJECT STATUS

CURRENT STATUS

→ Investment approval - from Jan.'15 onward for Part-A and Part B & Mar.'15 onwards for Part C

ANTICIPATED PROJECT TIMELINES

- Anticipated project timelines: 36 months
- Project bidding dates: Under progress
- Construction start dates: 1-Jun-15

APPROXIMATE PROJECT COST

→ Above USD 1200 millions

MODE OF FUNDING & FUNDING AGENCY

→ Multilateral/ Domestic

PROJECT DETAILS

PROJECT CONTOURS

→ Gujarat, Rajasthan, Tamil Nadu

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Linear long distance Interstate 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

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

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 is 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

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Near Salka & Khameria Villages, Udaipur Tehsil, Distt. Surguja

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ To be selected through tariff-based competitive bidding

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

STATE: 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

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

STATE: BIHAR

Bihar UMPP

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

- Site identified.
- Studies to commence after allocation of coal blocks by GOI

ANTICIPATED PROJECT TIMELINES

- Project bidding dates: bidding to commence after project preparatory activities like EIA, Feasibility report is 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

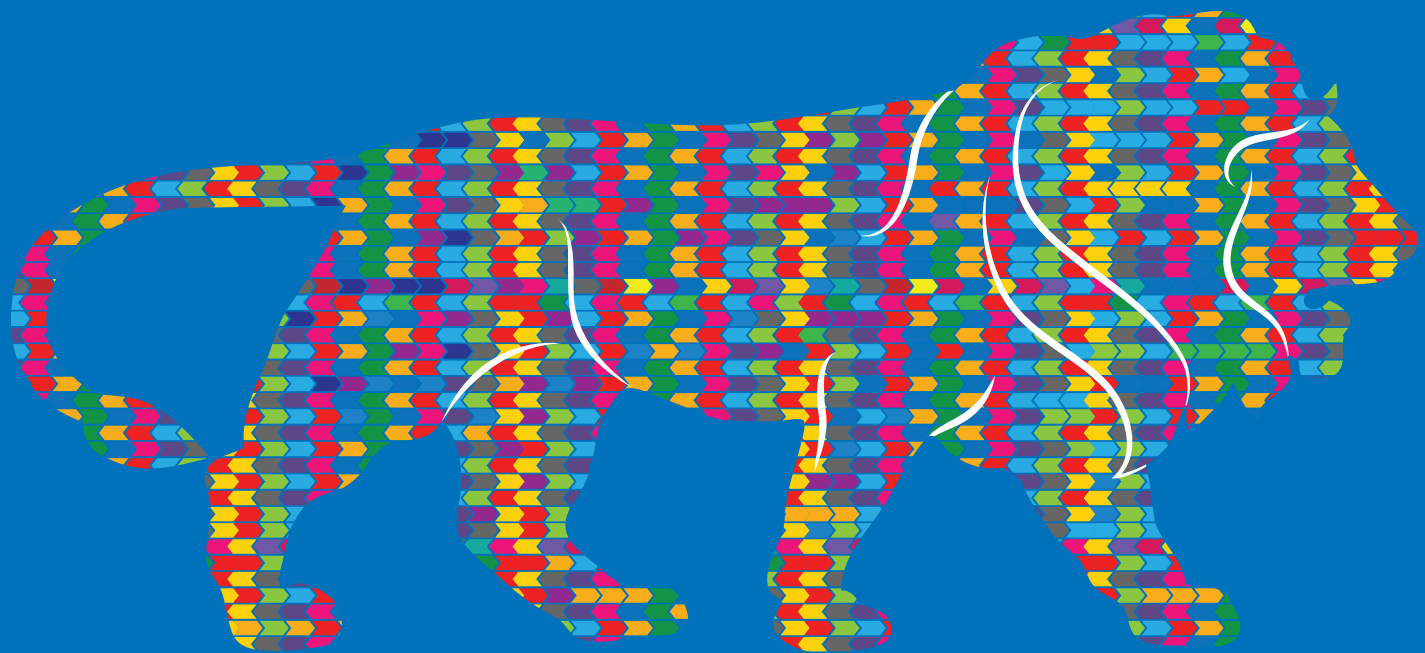
→ Kakwara in Banka district

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ To be selected through tariff-based competitive bidding

DELHI-MUMBAI INDUSTRIAL CORRIDOR



PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: MAHARASHTRA

Shendra - Bidkin Industrial Area (8.4 sq. km in Phase - I)

MODE OF IMPLEMENTATION

→ EPC/ Design build

PROJECT STATUS

CURRENT STATUS

→ Tender documents for trunk infrastructure for Phase I (8.4 sq km) of Shendra Bidkin Industrial Area are being finalized

→ Preliminary Design Report including preparation of RFQ/ RFP is under process

→ Expected date for DPR/Feasibility/Technical study completion - 31/01/ 2015

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: 31/03/15

→ Construction start dates: 01/12/15

APPROXIMATE PROJECT COST

→ USD 208 millions

MODE OF FUNDING & FUNDING AGENCY

→ Government

PROJECT DETAILS

PROJECT CONTOURS

→ Partly plain/rolling area

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 infrastructure including roads, storm drainage, water, wastewater, re-cycle network, treatment plant(s), solid waste, ICT etc.

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ SPV

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ SPV Directors

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: GUJARAT

Design and Construction of Roads and Services of Activation Area in Dholera Special Investment Region, Dholera.

MODE OF IMPLEMENTATION

→ Government/ EPC

PROJECT STATUS

CURRENT STATUS

→ Pre-Qualification is in process Application Due Date: 02/02/2015

→ Preliminary Design Report is completed

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: 21/05/15 (submission date)

→ Construction start dates: 01/07/15 (Expected)

APPROXIMATE PROJECT COST

→ USD 288 millions

MODE OF FUNDING & FUNDING AGENCY

→ Government

PROJECT DETAILS

PROJECT CONTOURS

→ Plain terrain

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Near Dholera Villages, Dist: Ahmedabad

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Connected to Ahmedabad by road network and it is an urban road and utilities network for new city of Dholera SIR

UTILITY INFRASTRUCTURE - EXISTING AND PROPOSED INFRASTRUCTURE

→ Existing is NIL and Proposed utility infrastructure includes water, waste water, power, Industrial water, Storm water and ICT ducts

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ SPV between DMICDC and Gujarat state government (Presently operating through GICC, Gujarat)

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Directors of SPV

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: UTTAR PRADESH

Integrated Industrial Township, Greater Noida.

MODE OF IMPLEMENTATION

→ Government

PROJECT STATUS

CURRENT STATUS

→ Preliminary Design Report under preparation

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: 15/02/15

→ Construction start dates: 30/05/15

APPROXIMATE PROJECT COST

→ USD 98 millions

MODE OF FUNDING & FUNDING AGENCY

→ Government

PROJECT DETAILS

PROJECT CONTOURS

→ Plain terrain (Ground variation is around 6 meters)

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Greater Noida, Gautam Budh Nagar, Uttar Pradesh

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Delhi Mumbai Industrial Corridor

→ Connected to Greater NOIDA, NOIDA and Delhi through the Yamuna Expressway via three existing 60m sector roads

→ 60m North-South road connects to the proposed Eastern Peripheral Expressway's service roads, and the proposed Multi Modal Transport Hub at Boraki

→ DADRI-NOIDA-GHAZIABAD Investment Region

UTILITY INFRASTRUCTURE - EXISTING AND PROPOSED INFRASTRUCTURE

→ Preliminary design of all trunk infrastructure under preparation

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ SPV

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ SPV Directors

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: MADHYA PRADESH

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 dates: 22/04/15 (expected)

APPROXIMATE PROJECT COST

→ USD 49 millions

MODE OF FUNDING & FUNDING AGENCY

→ Government

PROJECT DETAILS

PROJECT CONTOURS

→ Undulating terrain

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Narvar Village, Tahsil & Distt. Ujjain

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Connected to Ujjain & Devas through SH-18

UTILITY INFRASTRUCTURE - EXISTING AND PROPOSED INFRASTRUCTURE

→ Complete new utility infrastructure to be constructed

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ SPV: VIKRAM UDYOGPURI LTD, (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 the 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.

→ The Indian Railways aim to involve private equity

through individuals, NGOs, trusts, charitable institutions, corporates, etc. to provide passenger amenities such as battery-operated carts to facilitate movement for senior citizens and the differently abled at stations.

→ To strengthen rail connectivity with various ports, IR has floated SPVs under the PPP mode. Pipavav Rail Corporation Ltd., Bharuch-Dahej Railway Company Ltd., Kutch Railway Company Ltd., Hassan-Mangalore Rail Development Company, Obullavaripalle-Krishnapatnam Railway Company Ltd., and Anugul-Sukinda Railway Company Ltd., have been established.

→ Three rail connectivity projects namely Gevra Road-Pendra Road new line, Raigarh-Bhupdeopur new line and Jaigarh Port connectivity projects are being implemented through the joint venture route.

INVESTMENT OPPORTUNITIES

→ Manufacture of components

→ Infrastructure projects:

1. High speed train 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 wagon, 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)

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ CORE/ Railway Electrification / Allahabad

MODE OF IMPLEMENTATION

→ BOT/ Annuity

PROJECT STATUS

CURRENT STATUS

- Studies completed
- Bidding parameter - VGF/ Annual premium

ANTICIPATED PROJECT TIMELINES

→ To be finalised

APPROXIMATE PROJECT COST

→ USD 36 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

- Line length - 200 km
- Electrification Project

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Katwa - Azimganj - Nalhati & Azimganj - Tildanga/
New Farakka

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

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

→ USD 88 millions

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

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

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

→ USD 27 millions

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

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ CAO/SE/HOWRAH, Achal Khare, ED/Civil/Infra,
Railway Board
Phone: +91 11 23382839

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

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

→ USD 41 millions

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

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

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

→ USD 108 millions

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/ECoR, BHUBANESWAR

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ CAO/ECoR, BHUBANESWAR, Achal Khare, ED/
Civil/Infra, Railway Board
Phone: +91 11 23382839

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: ODISHA, TELANGANA

Freight line Bhadrak-Nargundi 3rd line (doubling)

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

- Technical studies have been completed
- Earthwork, bridgework has been taken up
- Bidding parameter - VGF/ Annual premium for PPP

ANTICIPATED PROJECT TIMELINES

→ To be finalised

APPROXIMATE PROJECT COST

→ USD 133 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

- Capacity augmentation project, line length - 80 km
- BOT/ Annuity

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Bhadrak-Nargundi

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ CAO/ECOR, BHUBANESWAR

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ CAO/ECOR, BHUBANESWAR, Achal Khare,
ED/Civil/Infra, Railway Board
Phone: +91 11 23382839

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: TELANGANA/ ANDHRA PRADESH

Freight line Kazipet - Vijaywada 3rd line with electrification (doubling)

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

- Technical studies have been completed
- Final Location survey-ongoing
- Bidding parameter - VGF/ Annual premium for PPP project

ANTICIPATED PROJECT TIMELINES

→ To be finalised

APPROXIMATE PROJECT COST

→ USD 168 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

- Capacity augmentation project, line length - 219.6 km
- BOT/ Annuity

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Kazipet - Vijaywada

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ CAO/SC/SECUNDERABAD

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ CAO/SC/SECUNDERABAD, Achal Khare, ED / Civil/Infra, Railway Board
Phone: +91 11 23382839

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

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

→ USD 47 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

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 23382839

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

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

ANTICIPATED PROJECT TIMELINES

→ Yet to be finalised

APPROXIMATE PROJECT COST

→ USD 24 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

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 23382839

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

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

→ USD 23 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

- Capacity augmentation project, line length - 48.43 km
- BOT/ Annuity

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Ajmer - Bangurgram

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ CAO/NWR/Jaipur

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ CAO/NWR/Jaipur, Achal Khare, ED/Civil/Infra,
Railway Board
Phone: +91 11 23382839

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: WEST BENGAL, JHARKHAND

Freight line Dankuni-Gomoh (new)

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Dankuni-Gomoh

MODE OF IMPLEMENTATION

→ PPP

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ DCCCIL, Pragati Maidan Metro Station Building Complex, New Delhi-110001
Phone: +91 11 23454620

PROJECT STATUS

CURRENT STATUS

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

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Achal Khare, ED/Civil/Infra, Railway Board (Phone: +91 11 23382839) and Ansuman Sharma, Director/PP, DFCCIL Phone: +91 11 23454620

ANTICIPATED PROJECT TIMELINES

→ 2015-16

APPROXIMATE PROJECT COST

→ USD 720 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

- The new line is planned to provide connectivity to mineral rich Eastern India through the Northern hinterland via the Eastern DFC route, line length - 282 km
- BOT/ Annuity

PROJECTS READY FOR PROCUREMENT IN FY 2015-16

STATE: MULTIPLE STATES

Re-development 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

→ Re-development of Passenger terminals at

1. *Habibganj/WCR*
2. *Shivaji Nagar/CR*
3. *Anand Vihar/NR*
4. *Bijwasan/NR*
5. *Chandigarh/NR*
6. *Surat/WR, Mumbai*
7. *Gandhinagar/WR/Mumbai*

8. *Manglore/SWR/Hubli, Karnataka*

9. *Ernakulam/SR/Chennai*

10. *Vijayawada/SCR/Secunderabad*

11. *Nagpur/CR/Mumbai*

12. *Byappanahalli/SWR/Hubli*

13. *New Bhubneshwar/ECOR/Bhuwneshwar*

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ MD/ IRSDC, New Delhi

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ ED/ L&A II Ministry of Railways

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

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

→ USD 13120 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP/ G-G Cooperation

PROJECT DETAILS

PROJECT CONTOURS

- BOT/ Annuity
- 2300 km long freight corridor
- Provides fast movement of freight traffic between the North and South

CONTACT INFORMATION

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ M. K. Srivastawa, ED/PP, Railway Board
Phone: +91 11 23389101

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

STATE: MULTIPLE STATES

New East-West DFC freight line

MODE OF IMPLEMENTATION

→ BOT/ G-G Cooperation

PROJECT STATUS

CURRENT STATUS

→ Feasibility study completed

ANTICIPATED PROJECT TIMELINES

→ Yet to be finalized

APPROXIMATE PROJECT COST

→ USD 11200 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP/ G-G Cooperation

PROJECT DETAILS

PROJECT CONTOURS

→ 2330 km long freight corridor

→ Bidding parameter - VGF/Annual premium for PPP

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ The corridor will provide connectivity from mineral-rich eastern part of the country to the consumption hub in the West.

CONTACT INFORMATION

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ M. K. Srivastawa, ED/PP, Railway Board

Phone: +91 11 23389101

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, PETS and financial study completed

ANTICIPATED PROJECT TIMELINES

→ Anticipated project timelines: 2015-16

→ Bids open

APPROXIMATE PROJECT COST

→ USD 3360 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

→ 60 km suburban corridor between CSTM-Panvel
Bidding parameter - Premium/ Viability Gap Funding
Mumbai-Thane

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Mumbai-Thane

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ CAO(O) Western Railway/ Mumbai

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Adv./Infra./Railway Board (Phone: +91 11 23389215)

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 co-operation

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
- Projects bidding dates: To start in 2015-16

APPROXIMATE PROJECT COST

→ USD 11200 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP/ Government/ G-G Cooperation

PROJECT DETAILS

PROJECT CONTOURS

- 504 km
- Bidding parameter - Premium/Viability Gap Funding for PPP

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Key cities- Mumbai, Surat, Vadodara, Ahmedabad

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 23386091) and V.K. Singh, CEO/RVNL
Phone: +91 11 26169637)

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

→ Projects bidding dates: to be announced

APPROXIMATE PROJECT COST

→ USD 2240 millions

MODE OF FUNDING & FUNDING AGENCY

→ Concessionaire

PROJECT DETAILS

PROJECT CONTOURS

→ 49 km Suburban corridor in Mumbai

→ Bidding parameter - Premium/Viability Gap Funding

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Mumbai and Navi Mumbai

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

IMPLEMENTING AGENCY

→ Mumbai Rail Vikas Corp. Ltd.(MRVC), Churchgate Station Building, Mumbai-400020
Email: com@mrvc.gov.in, Fax: +91 22 22096972

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Ravi Agrawal, ED/Plg. (MRVC)
Phone: +91 22 22070761



INVESTMENT OPPORTUNITIES IN INDIAN STATES

INVESTMENT OPPORTUNITIES IN ANDHRA PRADESH

PCPIR EXPRESSWAY

STATE: ANDHRA PRADESH

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ DPR has been prepared

ANTICIPATED PROJECT TIMELINES

→ To be finalised

APPROXIMATE PROJECT COST

→ USD 375 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

→ Six-lane PCPIR expressway connecting Visakhapatnam and Kakinada regions

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Visakhapatnam and East Godavari districts

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Transport, Roads and Building Department
(T,R&B dept)

BHAVANAPADU PORT DEVELOPMENT

STATE: ANDHRA PRADESH

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ TEFR has been prepared

ANTICIPATED PROJECT TIMELINES

→ To be finalised

APPROXIMATE PROJECT COST

→ USD 377 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

→ Development of Bhavanapadu port

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Srikakulam

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Infrastructure and Investment Department

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

→ USD 377 millions

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

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

→ USD 10 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

→ Upgradation of existing 132 KV substation at Koruprolu to 22 KV 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

400 KV KALIKIRI SUBSTATION

STATE: ANDHRA PRADESH

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ DPR prepared

ANTICIPATED PROJECT TIMELINES

→ To be finalised

APPROXIMATE PROJECT COST

→ USD 27 millions

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

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

NARASAIPTNAM-TUNI ROAD STRETCH

STATE: ANDHRA PRADESH

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ DPR prepared

ANTICIPATED PROJECT TIMELINES

→ To be finalised

APPROXIMATE PROJECT COST

→ USD 27 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

→ Four-laning of 40 km of the road stretch between Narasipatnam and Tuni

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Visakhapatnam and East Godavari districts

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Andhra Pradesh Road Development Corporation

VIZIANAGARAM-PALAKONDA ROAD-HADDUBHANGI ROAD PROJECT

STATE: ANDHRA PRADESH

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ DPR prepared

ANTICIPATED PROJECT TIMELINES

→ To be finalised

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

→ Four-laning of the road between Vizianagaram and Haddubhangi - 105 km

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Vizianagaram district

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Andhra Pradesh Road Development Corporation

KONDAMODU-GUNTUR (PART OF HYDERABAD-GUNTUR ROAD) PROJECT

STATE: ANDHRA PRADESH

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ DPR prepared

ANTICIPATED PROJECT TIMELINES

→ To be finalised

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

→ Four-laning of the road stretch between Kondamodu and Guntur - 70 kms

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Guntur district

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Andhra Pradesh Road Development Corporation

GUNDUGOLANU- DEVARAPALLI-KOVVUR ROAD UPGRADATION PROJECT

STATE: ANDHRA PRADESH

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ DPR has been prepared

ANTICIPATED PROJECT TIMELINES

→ To be finalised

MODE OF FUNDING & FUNDING AGENCY

→ PPP

PROJECT DETAILS

PROJECT CONTOURS

→ Upgradation of road between Gundugolanu and Kovvur

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ West Godavari district

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Andhra Pradesh Road Development Corporation

INVESTMENT OPPORTUNITIES IN BIHAR

DEVELOPMENT OF ARA-END CONNECTIVITY ON NH-30 (TOTAL LENGTH 8 KM INCLUDING 2.5 KM. ELEVATED)

STATE: BIHAR

MODE OF IMPLEMENTATION

→ Government

PROJECT STATUS

CURRENT STATUS

→ Procurement studies completed by July 2014

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: July 2015

→ Construction start dates: July 2016

APPROXIMATE PROJECT COST

→ USD 63 millions

MODE OF FUNDING & FUNDING AGENCY

→ EPC

PROJECT DETAILS

PROJECT CONTOURS

→ Urban Area

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Ara Town

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Existing flexible pavement

→ Proposed: greenfield four-lane road along with elevated in town portion

UTILITY INFRASTRUCTURE - EXISTING AND PROPOSED INFRASTRUCTURE

→ Existing - NH-30 & Railway Crossing Proposed 01 ROB and 02 Major Bridge along with four-lane road

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

DEVELOPMENT OF NORTH-SOUTH EXPRESSWAY

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: July 2015
- Construction start dates: July 2016

APPROXIMATE PROJECT COST

→ USD 296 millions

MODE OF FUNDING & FUNDING AGENCY

→ DBFOT (Design, Built, Finance, Operate and Transfer)

PROJECT DETAILS

PROJECT CONTOURS

- Construction of greenfield four-laning connecting Tajpur on NH-28 to Bithauli (Atherbel)-Jale-Pupri-Jaleshwar section up to Indo-Nepal Border (four-lane, length 95 km)
- Plain passing through village & semi-urban area

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ District- Samastipur & Darbhanga Tajpur, Bithauli (Atherbel), Jale, Pupri, Jaleshwar

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Greenfield project connecting NH-103 the Nepal Border

UTILITY INFRASTRUCTURE - EXISTING AND PROPOSED INFRASTRUCTURE

→ Existing : greenfield, Proposed: four-lane 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

STATE HIGHWAY (SH-58) KISHUNGANJ TO VIJAYGHAT ROAD

STATE: BIHAR

MODE OF IMPLEMENTATION

→ Government

PROJECT STATUS

CURRENT STATUS

→ Final DPR is ready and submitted

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: July 2015

→ Construction start dates: December 2015

APPROXIMATE PROJECT COST

→ USD 36 millions

MODE OF FUNDING & FUNDING AGENCY

→ EPC mode/ State funding

PROJECT DETAILS

PROJECT CONTOURS

→ Kishunganj, Chausa, Lawalagam, Vijayghat

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Madhepura

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Connecting NH-31 to NH-106

UTILITY INFRASTRUCTURE - EXISTING AND PROPOSED INFRASTRUCTURE

→ Presently single-lane MDR Specification, Proposed two-lane State Highway Specification

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Bihar State Road Development Corporation Ltd., Central Mechanical Workshop Campus, Near Airport, Sheikhpura, Patna-14.

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Managing Director, BSRDC Ltd.,
General Manager (H.Q.) BSRDC Ltd.,
Phone: +91 612 2226711/ 2226723

STATE HIGHWAY (SH-82) FROM KADIRGANJ TO SONO

STATE: BIHAR

MODE OF IMPLEMENTATION

→ Government

PROJECT STATUS

CURRENT STATUS

→ Final DPR is ready and submitted

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: July 2015

→ Construction start dates: December 2015

APPROXIMATE PROJECT COST

→ USD 76 millions

MODE OF FUNDING & FUNDING AGENCY

→ EPC mode/ State funding

PROJECT DETAILS

PROJECT CONTOURS

→ Nawada, Jamui, Kauakol, Khaira & Sono

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Nawada, Jamui

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Connecting NH-31 to NH-222

UTILITY INFRASTRUCTURE - EXISTING AND PROPOSED INFRASTRUCTURE

→ Presently single-lane MDR Specification, Proposed two-lane State Highway Specification

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Bihar State Road Development Corporation Ltd., Central Mechanical Workshop Campus, Near Airport, Sheikhpura, Patna- 14.

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Managing Director, BSRDC Ltd.,
General Manager (H.Q.) BSRDC Ltd.,
Phone: +91 612 2226711 / 2226723

STATE HIGHWAY (SH-93) HAJIPUR TO BACHWARA

STATE: BIHAR

MODE OF IMPLEMENTATION

→ Government

PROJECT STATUS

CURRENT STATUS

→ Draft DPR is ready; Final DPR - by March 2015

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: July 2015

→ Construction start dates: December 2015

APPROXIMATE PROJECT COST

→ USD 77 millions

MODE OF FUNDING & FUNDING AGENCY

→ EPC mode/ State funding

PROJECT DETAILS

PROJECT CONTOURS

→ Hajipur, Bidupur, Sultanpur, Bachwara

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ Vaishali, Samastipur & Begusarai

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Connecting NH-19 to NH-28

UTILITY INFRASTRUCTURE - EXISTING AND PROPOSED INFRASTRUCTURE

→ Presently single-lane MDR Specification, Proposed two-lane State Highway specification

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Bihar State Road Development Corporation Ltd., Central Mechanical Workshop Campus, Near Airport, Sheikhpura, Patna- 14.

KEY CONTACT PERSON(S) AND CONTACT DETAILS

→ Managing Director, BSRDC Ltd.,
General Manager (H.Q.) BSRDC Ltd.,
Phone: +91 612 2226711 / 2226723

DEVELOPMENT OF 6-LANE SUSPENSION CABLE GREENFIELD BRIDGE OVER RIVER GANGA

STATE: BIHAR

MODE OF IMPLEMENTATION

→ EPC, ADB Loan

PROJECT STATUS

CURRENT STATUS

→ Under procurement

→ PPR completed

ANTICIPATED PROJECT TIMELINES

→ Project bidding dates: Pre-qualification - February 2015

→ Construction start dates: December 2015

APPROXIMATE PROJECT COST

→ USD 798 millions

MODE OF FUNDING & FUNDING AGENCY

→ ADB loan/ State funding

PROJECT DETAILS

PROJECT CONTOURS

→ Development of six-lane suspension cable Greenfield bridge over River Ganga from Kachhi Dargah on NH-30 to Bidupur in Distt. Vaishali on NH-103 [Length: 9.76 km bridge along with 13 km approach road]

LOCATION - DISTRICT TALUKA, TOWN, VILLAGE

→ District- Patna & Vaishali Patna city, Jamalpur, Raghapur, Chaksikandar on SH93 and NH- 103

CONNECTIVITY - EXISTING AND PROPOSED INFRASTRUCTURE

→ Existing: greenfield

→ Proposed : six-lane bridge with approach

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

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

→ USD 243 millions

MODE OF FUNDING & FUNDING AGENCY

→ DBFOT (Design, Built, 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: four-lane 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

→ RFP stage

ANTICIPATED PROJECT TIMELINES

→ Expected financial closure date is August'15

APPROXIMATE PROJECT COST

→ USD 59 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP

(HMC – 100 ton capacity with Grab) - 5 nos. of Fork Lift truck (FLT – 10 ton capacity) - 10 nos of Fork Lift truck (FLT – 5 ton capacity) - 20 nos of Payloader (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 Gatehouse 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 Madhabhavi, Email: ce@chennaiport.gov.in

PROJECT DETAILS

PROJECT CONTOURS

→ In view of the recent ban on coal handling in Chennai Port due to 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 equipment to Harbour Mobile Crane

CHENNAI-BANGALORE EXPRESSWAY

STATE: TAMIL NADU

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

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

ANTICIPATED PROJECT TIMELINES

→ To be finalised

APPROXIMATE PROJECT COST

→ USD 960 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP (BOT) and JICA

PROJECT DETAILS

PROJECT CONTOURS

→ A Chennai-Bengaluru Expressway is proposed along with the industrial 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 260 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

→ USD 256 millions

MODE OF FUNDING & FUNDING AGENCY

→ JICA

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Tamil Nadu State Highways Department

PROJECT DETAILS

PROJECT CONTOURS

→ Total length of 162 km. It will connect Mamallapuram in Kancheepuram district with Ennore Port neighbouring Tiruvallurvia Singaperumalkoil, Sriperumbudur, Tiruvallur, Thamaraiykkam, Periyapalayam and Pudukkottai till Kattupalli. 78.60 km of existing roads will be upgraded under the project while new roads to a length of 83.20 km will 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

→ USD 160 millions

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 the Port area and TPP Road near Vallur and then on to NH-5 at Thachur, thus providing connectivity to Chennai metropolitan area and the deep hinterland

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Tamil Nadu State Highways Department and Ennore Port Ltd.

PHASE II OUTER RING ROAD

STATE: TAMIL NADU

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ Work under progress. Expected to be completed by September 2016

ANTICIPATED PROJECT TIMELINES

→ To be finalised

APPROXIMATE PROJECT COST

→ USD 160 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP (BOT) and JICA

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ TNRDC

PROJECT DETAILS

PROJECT CONTOURS

→ The major arterial, the Outer Ring Road (ORR) is planned to be developed in the peri-urban area of Chennai Metropolitan Area (CMA). The 62.3 km long ORR connects GST Road (NH-45) at Vandalur, GWT Road (NH-4) at Nazarethpet, Chennai Tiruvallur High Road (NH-205) at Nemilicheri and Tiruvottiyur-Ponneri-Panchetty (TPP) Road at Minjur. The configuration of the road comprises six-lane divided carriageway with a service road and a footpath on either side with a central verge of 22m for development of a rail transit in future

MADHURAI TUHOOTHUKUDI INDUSTRIAL CORRIDOR-I, II, III, IV

STATE: TAMIL NADU

MODE OF IMPLEMENTATION

→ PPP

PROJECT STATUS

CURRENT STATUS

→ Studies in progress, expected to be completed by Feb - March '15

ANTICIPATED PROJECT TIMELINES

→ To be finalised

APPROXIMATE PROJECT COST

→ USD 6400 millions

MODE OF FUNDING & FUNDING AGENCY

→ PPP and multiple funding agencies

PROJECT DETAILS

PROJECT CONTOURS

→ The project structure of the Madurai-Tuticorin Industrial (MTI) Corridor will cover 29 projects spanning the southern districts of Madurai, Sivaganga, Virudunagar, Tuticorin, Tirunelveli, Ramanathapuram and Kanyakumari

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ Industries Department, GoTN

NATIONAL INVESTMENT AND MANUFACTURING ZONE IN RAMANATHAPURAM DISTRICT, TAMIL NADU

STATE: TAMIL NADU

MODE OF IMPLEMENTATION

→ PPP

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

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

CONTACT INFORMATION

IMPLEMENTING AGENCY

→ TIDCO, 19-A, Rukmini Lakshmipathi Salai Egmore, Chennai - 600 008, Ph: 044-2858 9118

PROJECT DETAILS

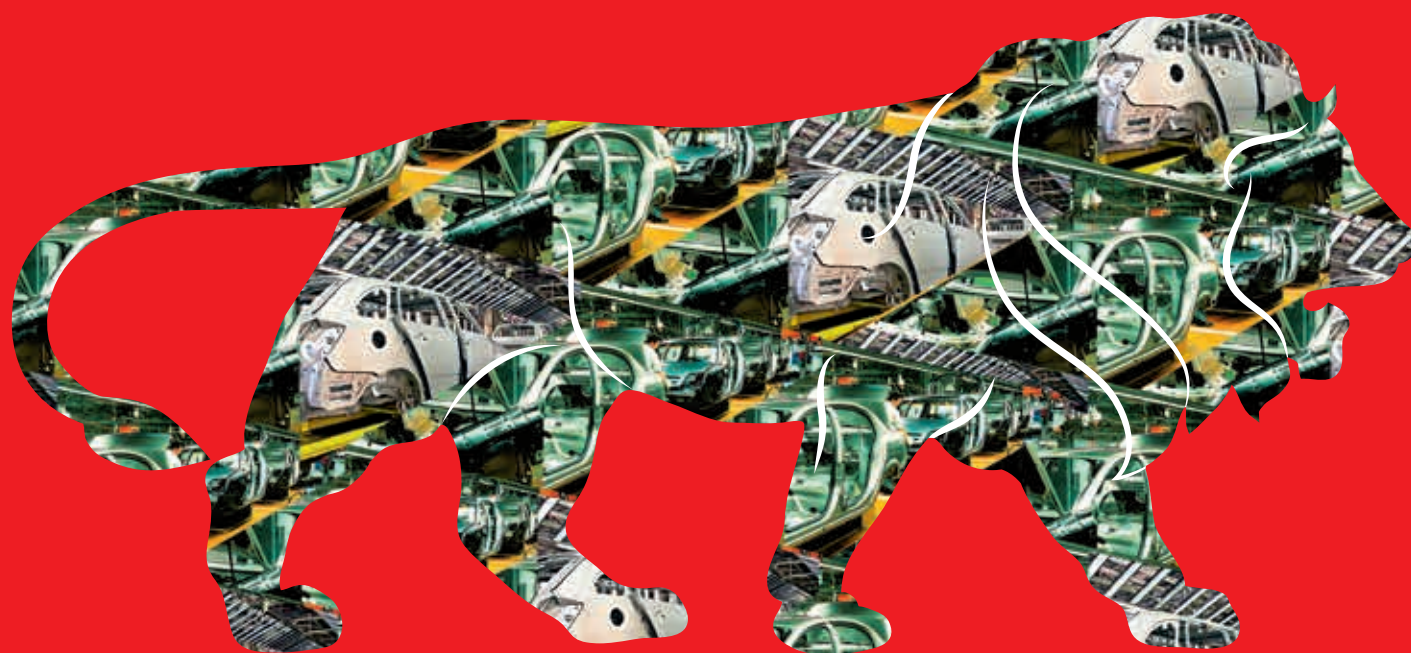
PROJECT CONTOURS

→ TIDCO has formulated a proposal on establishing a National Investment and Manufacturing Zone (NIMZ) in Ramanathapuram district which will be an Integrated Industrial Infrastructure project with the aim to increase the level of investments in the 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;



REASONS TO INVEST AND INVESTMENT OPPORTUNITIES IN VARIOUS SECTORS

AUTOMOBILES



REASONS TO INVEST

- By 2015, India is expected to be the fourth largest automotive market by volume in the world.
- Over the next 20 years, India will be a part of the big global automotive triumvirate.
- Tractor sales in the country are expected to grow at CAGR of 8-9% in the next five years, upping India's market potential for international brands.
- Two-wheeler production has grown from 8.5 Million units annually to 15.9 Million units in the last seven years. Significant opportunities exist in rural markets.
- India's car market has the potential to grow to 6+ Millions units annually by 2020.
- The emergence of large automotive clusters in the country: Delhi-Gurgaon-Faridabad in the north, Mumbai-Pune-Nashik-Aurangabad in the west, Chennai-

Bengaluru-Hosur in the south and Jamshedpur-Kolkata in the east.

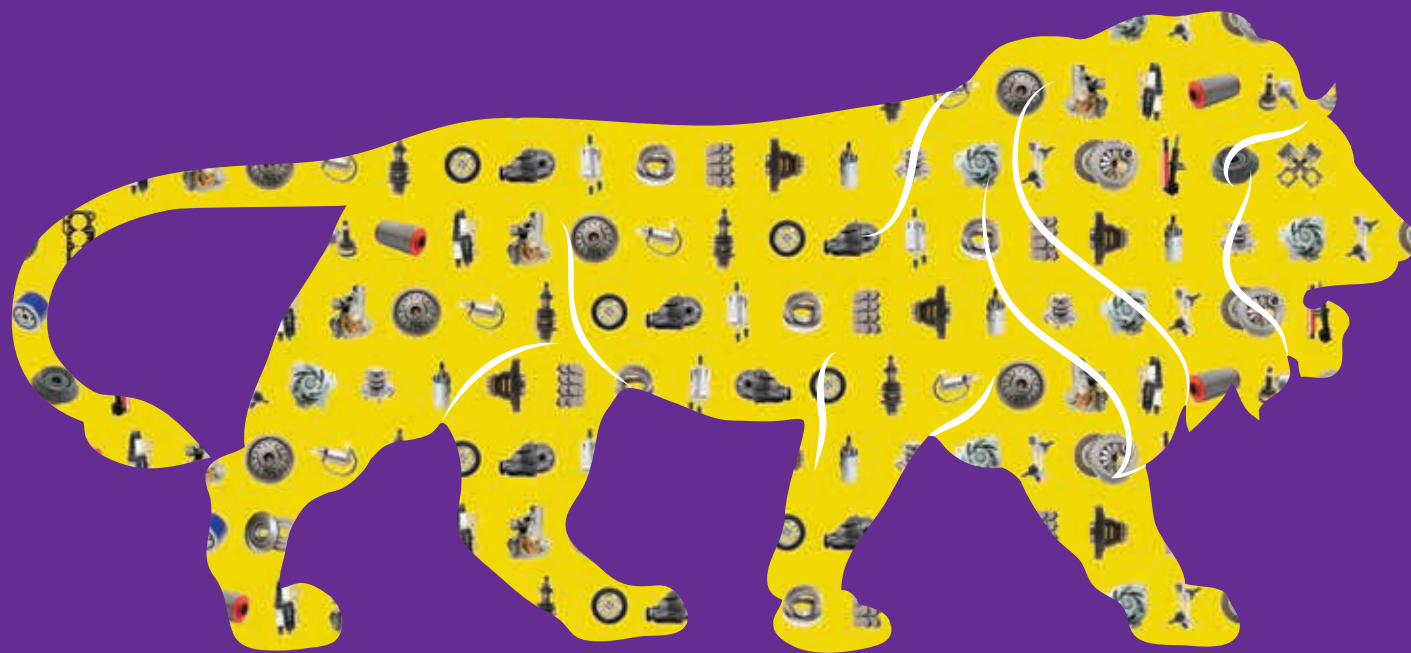
- Global car majors have been ramping up investments in India to cater to growing domestic demand. These manufacturers plan to leverage India's competitive advantage to set up export-oriented production hubs.
- An R&D hub: strong support from the government in the setting up of NATRiP centres. Private players such as Hyundai, Suzuki, GM are keen to set up an R&D base in India.
- Tata Nano is a sterling example of Indian frugal engineering and is being positioned as a mobilizer of the young generation.
- Electric cars are likely to be a sizeable market segment in the coming decade.

INVESTMENT OPPORTUNITIES

- Passenger vehicles: passenger cars, utility vehicles, multi-purpose vehicles.
- Two-wheelers: mopeds, scooters, motorcycles.
- Three-wheelers: passenger carriers, goods carriers.
- Commercial vehicles: light commercial vehicles, medium and heavy commercial vehicles.

- Huge demand for low-cost electric vehicles that are suited for safe short-distance urban commutes (averaging 50-100 km/trip) that are rugged enough to perform reliably through India's summers and its monsoon. It is estimated that total electric vehicles sales would amount to 6-7 Million units by 2020.

AUTOMOBILE COMPONENTS



REASONS TO INVEST

- An emerging global hub for sourcing auto components.
- Geographically closer to key automotive markets like the ASEAN, Japan, Korea and Europe.
- Cost competitiveness.
- Fourth largest producer of steel in the world.

- The cost of making steel is significantly lower than competitive nations.
- Slated to become the second largest steel producer by 2015.
- Several global Tier-I suppliers have announced plans to increase procurement from their Indian subsidiaries

INVESTMENT OPPORTUNITIES

ENGINE & ENGINE PARTS:

- New technological changes like turbochargers and common rail systems.
- Outsourcing to gain traction in the short to medium term.

TRANSMISSION & STEERING PARTS

- Replacement market share in sub-segments such as clutches is likely to grow due to rising traffic density.
- The entry of global players is expected to intensify competition in sub-segments such as gears and clutches.

SUSPENSION & BRAKING PARTS

- The segment is estimated to witness high replacement demand, with players maintaining a diversified customer base in the replacement and OEM segments besides exports.

- The entry of global players is likely to intensify competition in sub-segments such as shock absorbers.

EQUIPMENT:

- Companies operating in the replacement market are likely to focus on establishing a distribution network, brand image, product portfolio and pricing policy.

METAL PARTS

- Manufacturers are expected to benefit from the growing demand for sheet metal parts, body & chassis, fan belts, pressure die castings and hydraulic pneumatic instruments in the two-wheeler segment.
- Leading players in the sheet metal parts sub-segment are in the process of expanding their customer base.

NATIONAL MISSION FOR ELECTRIC MOBILITY (NMEM) 2020

- The Government of India has launched a National Mission for Electric Mobility (NMEM) 2020 in 2013 to foster adoption of electrical vehicles (including hybrid vehicles) and their manufacture in India.

- It is estimated that there will be a huge demand in India for low cost hybrid and electric vehicles (xEVs) that are suitable short-distance urban commutes (averaging 50-100 kms per trip) and rugged enough to perform reliably in the summer and through the Indian monsoon. It is estimated that sales for such vehicles would amount to 6-7 Million units by 2020.

BIO TECHNOLOGY



REASONS TO INVEST

- India ranks amongst the top 12 biotech destinations in the world and ranks third in the Asia-Pacific region.
- India has the second-highest number of USFDA-approved plants, after the USA.
- India adopted the product patent regime in 2005.
- Increasing government expenditure will augment the growth of the sector – the government aims to spend USD 3.7 Billion on biotechnology between 2012-17.

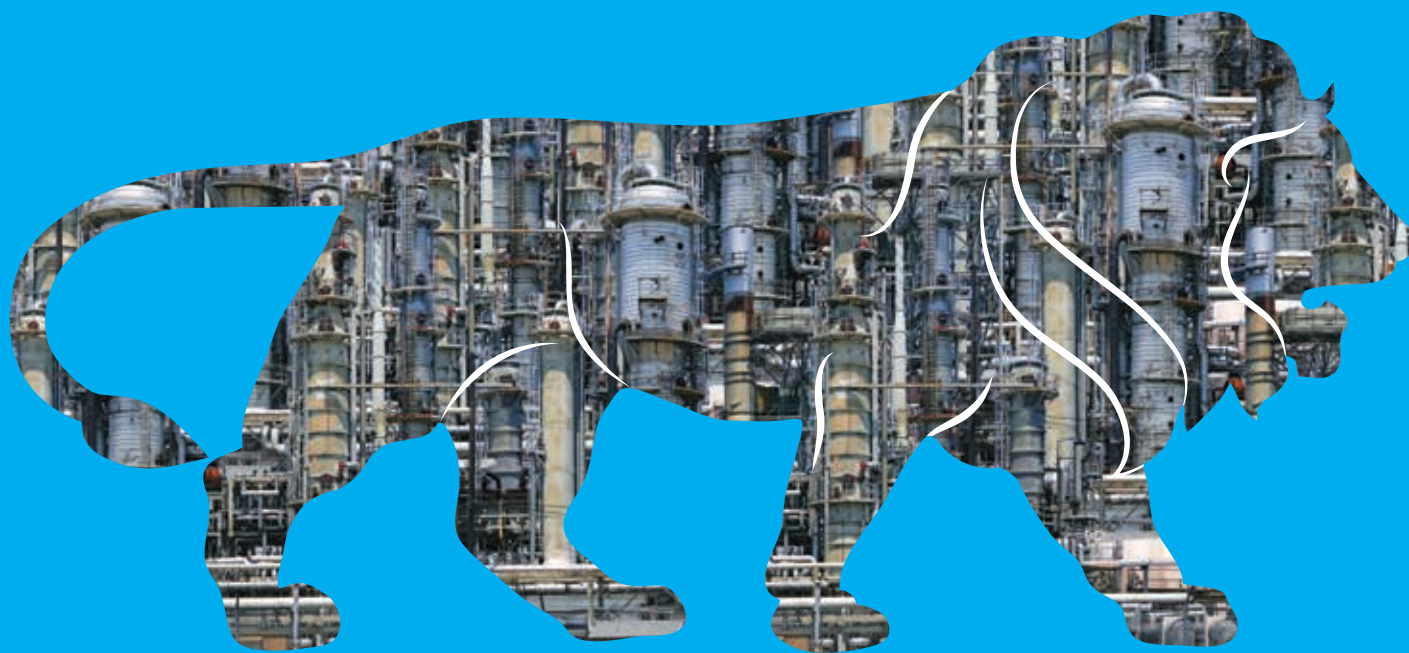
- India is the largest producer of recombinant Hepatitis B vaccine.
- India has the potential to become a major producer of transgenic rice and several genetically modified (GM) or engineered vegetables.

INVESTMENT OPPORTUNITIES

- The Department of Biotechnology has established biotech parks in various parts of the country to facilitate product development, research and innovation and the development of biotechnology industrial clusters.
- Operational biotech parks are located in Lucknow, Uttar Pradesh, Bangalore in Karnataka, Kalamassery and Kochi in Kerala, Guwahati in Assam and Chindwara in Madhya Pradesh.
- The parks offer investors incubator facilities, pilot plant facilities for solvent extraction and laboratory and office spaces.

- India constitutes around 8% of the total global generics market by volume, indicating a huge untapped opportunity in the sector.
- Outsourcing to India is projected to spike up after the discovery and manufacture of formulations.
- Hybrid seeds, including GM seeds, represent new business opportunities in India based on yield improvement.

CHEMICALS



REASONS TO INVEST

- India is the third largest producer of chemicals in Asia and sixth by output in the world.
- The chemicals industry is a key constituent of the Indian economy, accounting for about 2.11% of the nation's GDP.
- India is currently the world's third largest consumer of polymers and third largest producer of agro-chemicals.

- India's proximity to the Middle East, the world's source of petrochemical feedstock makes for economies of scale.
- Strong government support for R&D.
- Polymers and agro-chemicals industries in India present immense growth opportunities.

INVESTMENT OPPORTUNITIES

AGRO-CHEMICALS:

- India is the third largest producer of agro-chemicals globally.
- India exports about 50% of its current production and exports are likely to remain a key component of the industry.

SPECIALTY CHEMICALS:

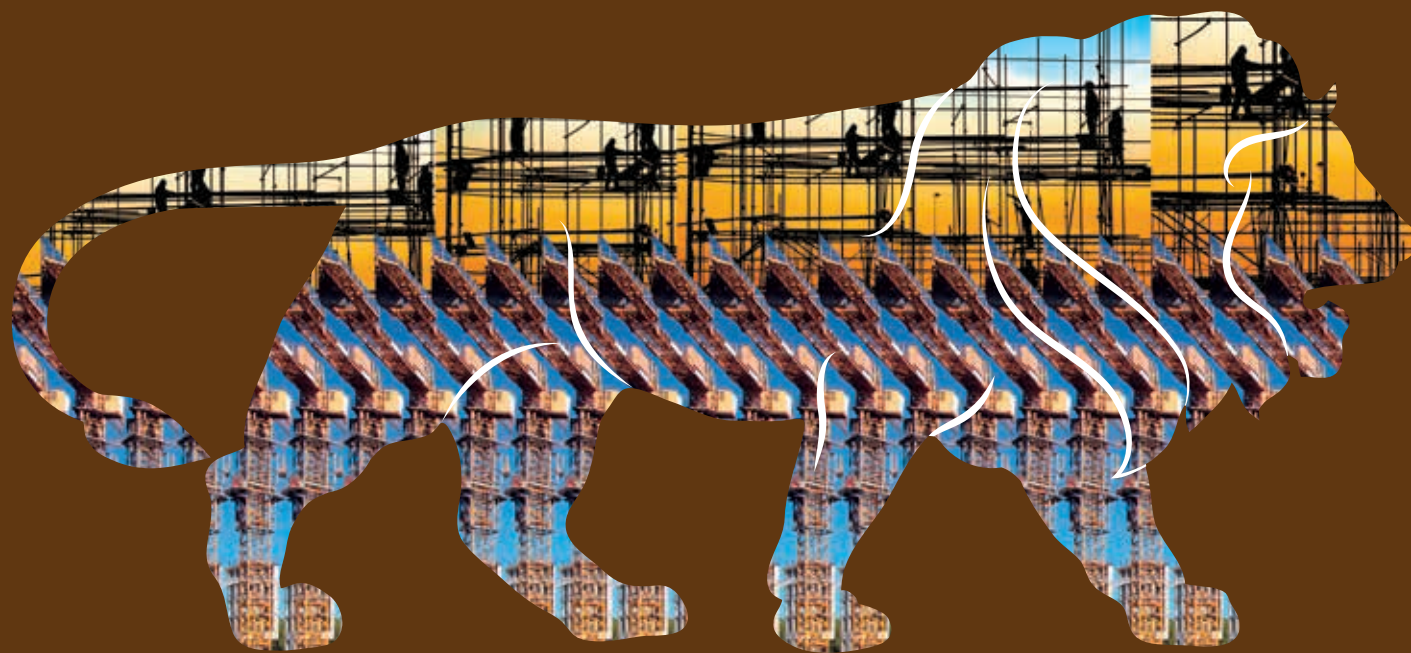
- The specialty chemicals market has witnessed a growth of 14% in the last five years; the market size is expected to reach USD 70 Billion by 2020.
- India is currently the world's third largest consumer of polymers and growth in plastic demand will drive up consumption further.

- Growth drivers include a growing construction industry and adoption of advanced coating, ceiling and polymer-based reinforcing material in construction as well as plastics, paints and coatings for the automotive sector.

COLOURANT CHEMICALS:

- The Indian colourant industry is valued at USD 6.8 Billion, with exports accounting for nearly 75%.
- India accounts for 16% of global industry share and this figure is expected to further increase.
- Other segments include petrochemicals, bio-pharma, bio-agri, and bio-industrial products.

CONSTRUCTION



REASONS TO INVEST

- An investment of USD 1,000 Billion has been projected for the infrastructure sector until 2017, 40% of which is to be funded by the private sector. 45% of infrastructure investment will be funnelled into construction activity and 20% set to modernise the construction industry.
- The Indian government has undertaken a number of measures to ease access to funding for the sector.
- Construction activities contribute more than 10% of India's GDP.

- The construction industry in India has seen sustained demand from the industrial and real estate sector.
- An estimated USD 650 Billion will be required for urban infrastructure over the next 20 years.
- Housing for seniors has seen increased interest levels from corporates, the hospitality and healthcare industries over the last few years.

INVESTMENT OPPORTUNITIES

- Construction development in residential, retail, commercial and hospitality sectors.
- Technologies and solutions for smart sustainable cities and integrated townships.
- Technologies for the promotion of low cost and affordable housing.
- Green building solutions.

- Sustainable and environmentally friendly building materials.
- Training and skill development of construction sector workers.
- Smart cities.
- Urban water supply, urban sewerage and sewage treatment.

DEFENCE MANUFACTURING



REASONS TO INVEST

→ India's current requirements on defence are catered largely by imports. The opening of the strategic defence sector for private sector participation will help foreign original equipment manufacturers to enter into strategic partnerships with Indian companies and leverage the domestic markets and also aim at global business. Besides helping build domestic capabilities, this will bolster exports in the long term.

→ Opportunities to avail defence offset obligations to the tune of approximately USD 4000 millions during the next 7-8 years.

→ The offset policy (which stipulates the mandatory offset requirement of a minimum 30% for the procurement

of defence equipment in excess of USD 48 millions) introduced in the capital purchase agreements with foreign defence players will ensure that an eco-system of suppliers is built domestically.

→ The government policy of promoting self-reliance, indigenization, technology upgradation and achieving economies of scale and developing capabilities for exports in the defence sector.

→ The country's extensive modernization plans, an increased focus on homeland security and India's growing attractiveness as a defence sourcing hub.

→ High government allocation for defence expenditure.

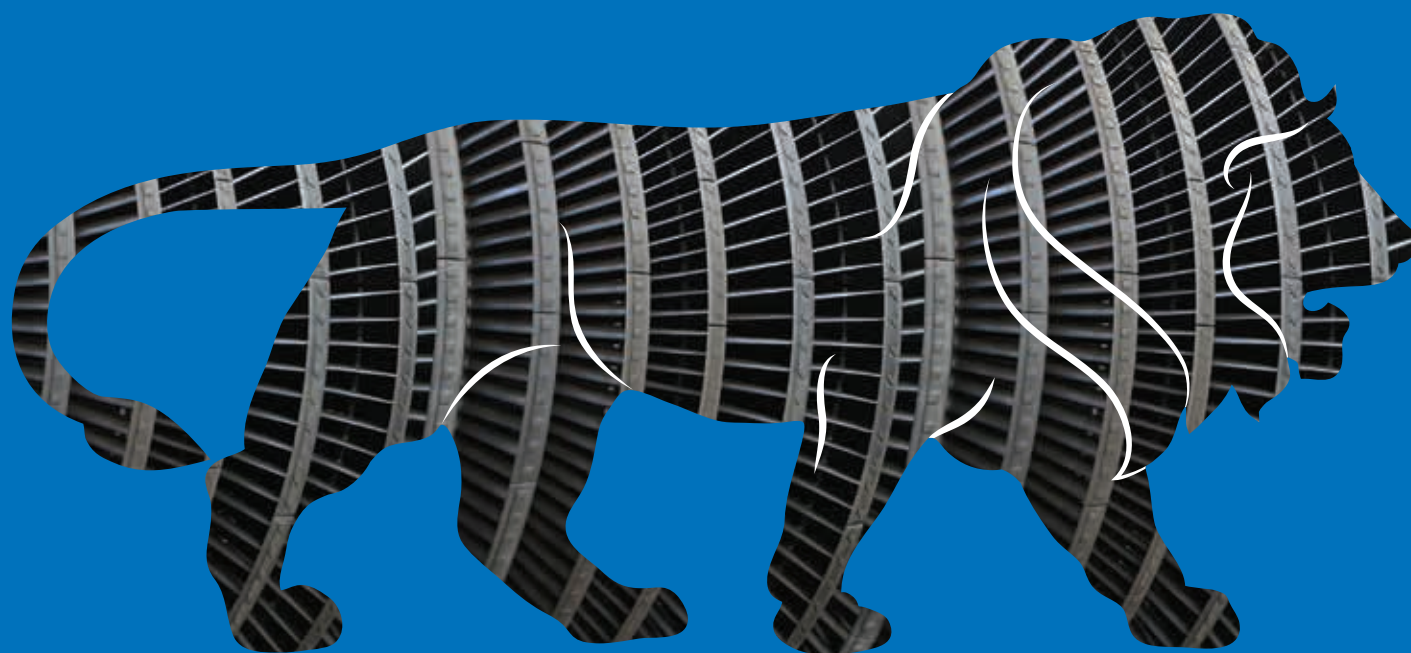
INVESTMENT OPPORTUNITIES

→ Defence products manufacturing

→ Supply chain sourcing opportunity

→ Defence offsets

ELECTRICAL MACHINERY



REASONS TO INVEST

- Market-oriented reforms, such as the target of 'Power for All' and plans to add 88.5 GW of capacity by 2017 and 93 GW by 2022.
- Incentives for capacity addition in power generation will increase the demand for electrical machinery.
- Indian manufacturers are becoming more competitive with respect to their product designs, manufacturing and testing facilities.

- A large pool of human resources and advancements in technologies.
- Increasing scope for direct exports to neighbouring countries.
- Investments in research and development in the electrical machinery industry are amongst the largest in India's corporate sector.

INVESTMENT OPPORTUNITIES

GENERATION MACHINERY: BOILERS, TURBINES, GENERATORS

- By 2022, the generation equipment industry in India is projected to grow to USD 25-30 Billion. The industry is sized at USD 6.7 Billion in 2012-13.

TRANSMISSION MACHINERY:

- By 2022, the T&D equipment market in India is expected to grow to USD 70-75 Billion from USD 17.3 Billion in 2012-13.

REASONS TO INVEST

- Global demand to reach USD 94.2 Billion by 2015.
- Large demand generated due to government schemes like the National Knowledge Network (NKN), National Optical Fibre Network (NOFN), tablets for the Education sector, a digitisation policy and various other broadband schemes.
- Adequately developed Electronic Manufacturing Services (EMS) industry is set to be a significant contributor to the entire industry's development.

- India has the third largest pool of scientists and technicians in the world.
- Skilled manpower is available in abundance in Semiconductor Design and Embedded Software.
- Strong design and R&D capabilities in auto electronics and industrial electronics.

INVESTMENT OPPORTUNITIES

- Setting up of Electronics Manufacturing Clusters
- Semiconductor Wafer Fabrication (FAB)
- Electronic Components
- Semiconductor Design

- Electronics Manufacturing Services (EMS)
- Telecom products
- Industrial/ Consumer electronics

EXPECTED ELECTRONIC MARKET IN INDIA BY 2020

- Telecom Equipment (USD 34 Billion)
- Laptops, Desktops, Tablets (USD 34 Billion)
- LED (USD 35 Billion)
- Consumer Electronics (USD 29 Billion)

- Set Top Boxes (USD 10 Billion)
- Automotive Electronics (USD 10 Billion)
- Medical Electronics (USD 8.5 Billion)

FOOD PROCESSING



REASONS TO INVEST

- A rich agriculture resource base, India was ranked No. 1 in the world in 2012 in the production of bananas, mangoes, papayas, chickpea, ginger, okra, whole buffalo, goat milk and buffalo meat.
- India ranks second in the world in the production of sugarcane, rice, potatoes, wheat, garlic, groundnut (with shells), dry onion, green pea, pumpkin, gourds, cauliflower, tea, tomatoes, lentils, wheat and cow milk.
- The country's gross cropped area amounts to 199 Million hectares, with a cropping intensity of 140%. The net irrigated area is 89.9 Million hectares.
- A total of 127 agro-climatic zones have been identified in India.
- Strategic geographic location and proximity to food-importing nations makes India favourable for the export of processed foods.
- An extensive network of food processing training, academic and research institutes spans the country.

- 42 mega food parks are being set up in public-private partnership at an investment of USD 1568 millions. The parks have around 1200 developed plots with basic infrastructure enabled that entrepreneurs can lease for the setting up of food processing and ancillary units.
- The cost of skilled manpower is relatively low as compared to other countries.
- Attractive fiscal incentives have been instated by central and state governments and these include capital subsidies, tax rebates, depreciation benefits, as well as reduced custom and excise duties for processed food and machinery.
- The major global players in the food domain are already present in India.
- 121 cold chain projects are being set up to develop supply chain infrastructure.

INVESTMENT OPPORTUNITIES

- Fruits and vegetables: preserved, candied, glazed and crystallized fruits and vegetables, juices, jams, jellies, purees, soups, powders, dehydrated vegetables, flakes, shreds and ready-to-eat curries.
- Food preservation by fermentation: wine, beer, vinegar, the preparation of yeast, alcoholic beverages.
- BEVERAGES: fruit-based, cereal-based.
- DAIRY: liquid milk, curd, flavoured yoghurt, processed cheese, cottage cheese, swiss cheese, blue cheese, ice cream, milk-based sweets.
- Food additives and nutraceuticals.
- Confectionery and bakery: cookies and crackers, biscuits, breads, cakes and frozen dough.
- Meat and poultry: eggs, egg powder, cut meats, sausages, other value added products.
- Fish, seafood and fish processing - processing and freezing units.
- Grain processing - oil milling sector, rice, pulse milling and flour milling sectors.

- Food preservation and packaging: metal cans, aseptic packs.
- Food processing equipment: canning, dairy and food processing, specialty processing, packaging, frozen food/refrigeration and thermo-processing.
- Consumer food: packaged food, aerated soft drinks, packaged drinking water.
- Spice pastes.
- Supply chain infrastructure - this niche has investment potential in food processing infrastructure, the government's main focus is on supply chain-related infrastructure like cold storage, abattoirs and food parks.
- The establishment of food parks - a unique opportunity for entrepreneurs, including foreign investors to enter the Indian food processing sector.

IT AND BPM



REASONS TO INVEST

- The IT-BPM sector constitutes 8.1% of the country's GDP and contributes significantly to public welfare.
- India's IT industry amounts to 7% of the global market, largely due to exports.
- 60% of firms use India for testing services.

- Rapidly growing urban infrastructure has fostered several IT centres in the country.
- The Indian IT industry has saved clients USD 200 Billion in the past five years.

INVESTMENT OPPORTUNITIES

- The setting up of IT services, BPM, software product companies, shared service centres.
- Fast-growing sectors within the BPM domain - knowledge services, data analytics, legal services, Business Process as a Service (BPaaS), cloud-based services.

- IT Services and fast-growing sectors within it such as solutions and services around SMAC, IS outsourcing, IT consulting, software testing.
- Engineering and R&D within which the fastest growing sectors are telecom & semi-conductors.

LEATHER



REASONS TO INVEST

→ The total production of the Indian leather industry stands at USD 11 Billion with great potential for exports and a huge domestic market.

→ Exports have grown from USD 1.42 Billion in 1990-91 to an all-time high of USD 6 Billion in 2013-14.

→ Exports are projected to grow at 24% per annum over the next five years.

→ The domestic market is expected to double in the next five years.

→ Comparative advantages in cost of production and labour costs.

INVESTMENT OPPORTUNITIES

→ The National Manufacturing Policy released in Nov. 2011 identifies leather as a special focus sector, for growth and employment generation.

→ The Department of Industrial Policy and Promotion has notified the Mega Leather Clusters (MLCs) sub-scheme. Its objective is to create new production centres for the leather industry with all required infrastructure and support services.

REASONS TO INVEST

→ Total market size of the Indian entertainment industry stood at USD 14.68 billions in 2013, growing by 11.8% over 2012.

→ The industry is expected to register a CAGR of 14.2%, reaching USD 28.5 billions in 2018.

→ The size of the television industry in India was estimated at USD 6.6 billion in 2013, with a projected CAGR of 16% between 2013-18, amounting to an

USD 28.5 billion industry in 2018.

→ India is the world's third largest TV market, after China and the USA, with 161 Million TV households.

→ India has a large broadcasting and distribution sector, comprising approximately 796 satellite TV channels, 6000 multi-system operators, around 60,000 local cable operators, 7 DTH operators and 4 IPTV service providers.

INVESTMENT OPPORTUNITIES

→ TELEVISION:

1. Television is projected to garner half of the media and entertainment pie by 2015 (as addressable digitisation is expected to cover the entire country by then).

2. Television advertisement revenue is also expected to witness robust growth and increase from USD 2 billions in 2012 to a projected USD 4 billions by 2018.

3. India is emerging as the teleport hub of Asia. 86 teleport permissions have been issued by the Ministry of I&B.

→ PRINT:

1. The print industry has grown at a CAGR of 8.5% in 2013 and is set to touch USD 3.8 billions.

2. Newspapers and niche magazines are likely to drive industry growth.

3. Accelerated growth is forecast in regional print and local news segments.

→ FILMS:

1. The size of the Indian film industry is expected to reach USD 3.5 billions by 2018, up from USD 2 billions in 2013.

2. An increasing number of digital screens and 3D films are expected to help industry growth.

3. To promote joint productions, co-production agreements have been signed with Italy, Germany, Brazil, UK, France, New Zealand, Poland, Spain and Canada.

4. In order to promote India as a location destination for foreign production houses, the government is setting up a single window clearance system for shooting permissions.

→ RADIO:

1. The size of the Indian radio industry is expected to reach USD 5.3 billions by 2018, up from USD 134 millions in 2008.

2. Phase-III of e-auctions for FM radio licenses will provide an impetus to the segment.

→ MUSIC:

1. The size of the music industry is expected to grow to USD 284 millions by 2018, growing at a CAGR of 13.2% over the period 2013-18.

2. Mobile VAS and the arrival of 3G is likely to lead to a surge in paid digital downloads.

3. Phase-III radio licensing will also help in increasing music revenues from radio.

→ ANIMATION & VFX:

1. The Indian animation industry was worth USD 0.6 millions in 2013 and is expected to expand at a CAGR of 15.9%, reaching USD 1.3 billions by 2018.

2. Growth in international animation films, especially 3D productions and the subsequent impetus for Indian production houses will further help growth in this segment.

MINING



REASONS TO INVEST

- India has vast minerals potential with mining leases granted for longer durations of 20 to 30 years.
- The demand for various metals and minerals will grow substantially over the next 15 years.
- The power and cement industries also aid growth in the metals and mining sector.

- India's strategic location enables convenient exports.
- India's per capita steel consumption is four times lower than the global average.
- India has the world's sixth largest reserve base of bauxite and fifth largest base of iron ore, accounting for about 5% and 8% respectively of total world production.

INVESTMENT OPPORTUNITIES

→ IRON & STEEL:

1. The iron and steel segment offers a product mix which includes hot rolled parallel flange beams and columns rails, plates, coils, wire rods, and continuously cast products such as billets, blooms, beams, blanks, rounds and slabs as well as metallics and ferro alloy.

→ COAL:

1. The coal market consists of primary coal such as anthracite, bitumen and lignite.

→ ALUMINIUM:

1. The aluminium segment includes alumina chemicals, primary aluminium, aluminium extrusions and aluminium rolled products.

→ BASE METALS:

1. The base metals market consists of lead, zinc, copper, nickel and tin.

PRECIOUS METALS & MINERALS:

1. The precious metals market includes gold, silver, platinum, palladium, rhodium and diamonds.

OIL AND GAS



REASONS TO INVEST

→ Policies such as the New Exploration Licensing Policy and the Coal Bed Methane Policy have been put in place to encourage investments across the industry value chain. Thirty-four blocks were put up for bidding in the ninth round of the N.E.L.P.

→ Demand for primary energy in India is to increase threefold by 2035 to 1,516 Million Tonnes of Oil Equivalent from 563 Million Tonnes of Oil Equivalent in 2012.

→ Several industries are increasing consumption of natural gas in operations.

→ Several domestic companies such as the Oil and Natural Gas Corporation, Reliance Industries Limited and Gujarat State Petroleum have reportedly found natural gas in deep waters.

→ As part of pricing reforms for the natural gas sector in 2013, the government approved a new pricing scheme to further align domestic prices with international market prices and to raise investment for the sector.

→ Despite being a net importer of crude oil, India has become a net exporter of petroleum products by investing in refineries designed for export, particularly in Gujarat.

→ Several private companies have emerged as important players in the past decade. Cairn India, a subsidiary of British company Cairn Energy, controls more than 20% of India's crude oil production through its operation of major stakes in the Rajasthan and Gujarat regions and the Krishna-Godavari basin.

→ Private companies such as Reliance Industries Limited and Essar Oil have become major refiners.

→ The government is preparing to issue the 10th round of bidding for the National Exploration Licensing Policy.

→ It is a transparent and level playing field for private investors and national oil companies – both enjoy the same fiscal and contract terms.

→ 60% of the prognosticated reserves of 28,000 MMT are yet to be harnessed.

INVESTMENT OPPORTUNITIES

→ SHALE:

1. India has technically recoverable shale gas resources of nearly 96 trillion cubic feet.

→ UNDERGROUND COAL GASIFICATION:

1. Coal gasification has been identified as one of the end uses under the government's captive mining policy.

→ OPPORTUNITIES FOR E&P SERVICES AND EQUIPMENT COMPANIES:

1. 48% of the country's sedimentary area is yet to be explored. The city gas and distribution sector offers opportunities for both incumbents and new companies. The Petroleum and Natural Gas Regulatory Board allows the following incentives to authorized entities: the infrastructure exclusivity is available to the authorized entity for a period of 25 years. Exclusivity for the activity of marketing of natural gas is allowed to the authorized entity for a period of 5 years. For incumbents, the marketing exclusivity extends to a period of 3 years.

→ OPPORTUNITIES FOR PIPELINE TRANSPORTATIONS:

1. Compared to advanced economies like the US, where more than 60% of petroleum product movement happens by pipeline, in India, currently, only 35% of product movement happens over pipelines.

→ THE REFINING SECTOR:

1. India is already a refining hub with 21 refineries and expansions planned for tapping foreign investment in export-oriented infrastructure, including product pipelines and export terminals.

→ OPPORTUNITIES FOR FOREIGN INVESTMENTS AND TECHNOLOGY PARTNERSHIPS IN THE UPSTREAM SECTOR:

1. Securing supplies is expected to remain on top of India's energy agenda for the foreseeable future. While exploration activity has taken place on land and in shallow basins across the country, it is believed by many that deep water and ultra-deep water oil and gas resources hold the key to substantially increasing domestic production. This creates a plethora of opportunities for strategic investors having relevant technical expertise and financial muscle.

PHARMACEUTICALS



REASONS TO INVEST

- India is expected to rank amongst the top three pharmaceutical markets in terms of incremental growth by 2020.
- India is the sixth largest market globally in terms of size.
- India's generic drugs account for 20% of global exports in terms of volume, making the country the largest provider of generic medicines globally.

- India's cost of production is significantly lower than that of the USA and almost half of that of Europe.
- A skilled workforce as well as high managerial and technical competence.
- Economic prosperity is likely to improve affordability for generic drugs in the market.
- Approval time for new facilities has been drastically reduced.

INVESTMENT OPPORTUNITIES

- India is expected to be the third largest global market for active pharmaceutical ingredients by 2016, with a 7.2% increase in market share.
- Indian pharma companies registered 49% of overall Drug Master Filings (DMF) filed in the US in 2012.
- The Contract Research and Manufacturing Services industry (CRAMS) - estimated at USD 8 Billion in 2015, up from USD 3.8 Billion in 2012. The market has more than 1000 players.

- The formulations industry - India is the largest exporter of formulations with 14% market share and ranks 12th in the world in terms of export value. Double-digit growth is expected over the next five years.

SPACE



REASONS TO INVEST

- Through the last four decades, India's space program has attracted global attention for its accelerated rate of development.
- India's cost-effective space program has launched 40 satellites for 19 countries to date and has the potential to serve as the world's launchpad.
- The Indian Space Research Organization (ISRO) has forged a strong relationship with a large number of industrial enterprises, both in the public and private sector, to implement its space projects.

→ With the ISRO undertaking the development of cutting edge technologies and interplanetary exploratory missions, there is a tremendous scope in contributions to the realization of operational missions and new areas such as satellite navigation.

TECHNOLOGY TRANSFER

→ The technologies licensed to industries for commercialisation include Multi-Layer Printed Antenna Technology and DDV 100 Resin system. In addition to this, industries have been shortlisted for the know-how transfer of Dual Polarization LIDAR, Solid State Power Amplifier, Precision Tapping Attachment and EPY 1061 coating compound. There are a number of

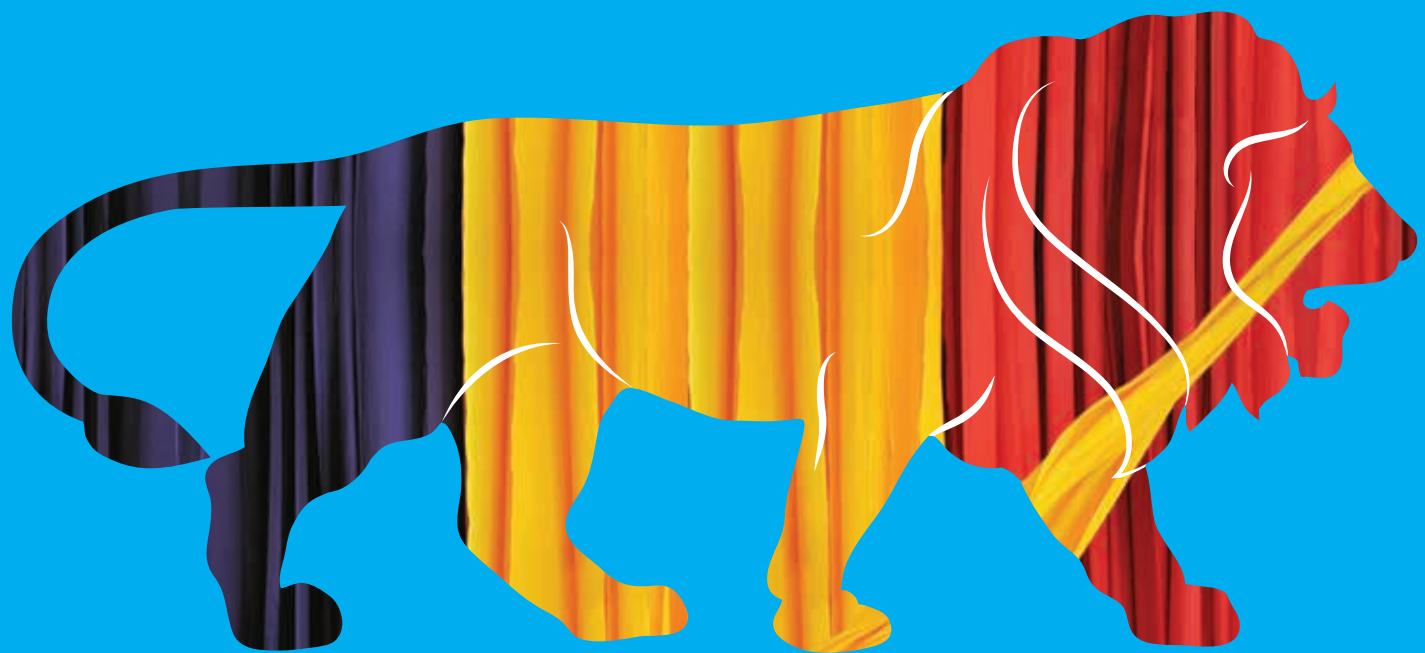
technologies identified for know-how transfer from ISRO. These include various types of adhesives and polymers, silica fiber and granule material, ceramics, pressure transducers, liquid level detectors, temperature sensors, silver plating and thermal control coating techniques, ground penetration radar, elastic Raman Lidar, lower atmospheric wind profiling radar, etc.

TECHNICAL CONSULTANCY

→ ISRO provides technical consultancy services to industries and R&D institutions in diverse areas of its expertise. Some recent areas where consulting services have been provided are: gold plating application on

MMIC-based Ku-band receiver and on aluminum boxes, fabrication of precision components, mechanical shock tests, etc. to name a few.

TEXTILES AND GARMENTS



REASONS TO INVEST

- India has the second largest manufacturing capacity globally.
- The Indian textile industry accounts for about 24% of the world's spindle capacity and 8% of global rotor capacity.
- India has the highest loom capacity (including hand looms) with 63% of the world's market share
- India accounts for about 14% of the world's production of textile fibre and yarn and is the largest producer of jute and the second largest producer of silk and cotton.
- A strong production base of a wide range of fibre/yarn from natural fibres like cotton/jute, silk and wool to synthetic/man-made fibres like polyester, viscose, nylon and acrylic.

- Increased penetration of organised retail, favourable demographics and rising income levels are likely to drive up textile demand.
- India enjoys a comparative advantage in terms of skilled manpower and cost of production over major textile producers.
- Abundant raw material and increasing demand for exports will boost fibre production.
- Abundant availability of raw materials such as cotton, wool, silk and jute.

INVESTMENT OPPORTUNITIES

- Entire value chain of synthetics.
- Value-added and speciality fabrics.
- Fabric processing set-ups for all kind of natural and synthetic textiles.

- Technical textiles.
- Garments.
- Retail brands.

TOURISM AND HOSPITALITY



REASONS TO INVEST

- Tourism in India accounts for 6.8% of the GDP and is the third largest foreign exchange earner for the country.
- India ranks 42nd in the United Nations World Tourism Organization rankings for foreign tourist arrivals.
- India registered 6.97 Million foreign tourist arrivals in 2013, registering an annual growth of 5.9% over the previous year.
- The foreign exchange earnings from tourism during 2013 was USD 18.13 Billion, registering an annual growth of 2.2% over the previous year.
- India is the 16th most visited country in the world, with a share of 1.56% of the world's tourism receipts.

- India offers geographical diversity, attractive beaches, 30 World Heritage Sites and 25 bio-geographic zones.
- India has a diverse portfolio of niche tourism products – cruises, adventure, medical, wellness, sports, MICE, eco-tourism, film, rural and religious tourism.
- Domestic tourism contributes to three-fourths of the tourism economy.
- The UNWTO has forecast that the travel and tourism industry in India will grow by 8% per annum between 2008 and 2016. Foreign exchange earnings from tourism are likely to show annualized growth of 14% during the same period.

INVESTMENT OPPORTUNITIES

- The presence of world-class hospitals and skilled medical professionals make India a preferred destination for medical tourism.
- A vast, beautiful coastline, virgin forests, and undisturbed idyllic islands make this a choice destination for cruise tourists.
- Rural tourism schemes have been implemented by the Ministry of Tourism in 2002-03 with the objective of highlighting rural life, art, culture and heritage in villages that have a core competence in art, craft, handloom, textiles and the natural environment.

- Eco-tourism is at a nascent stage, but there are conscious efforts to save the fragile Himalayan eco-system and the culture and heritage of indigenous people.
- The segment offers opportunities across various sub-segments such as timeshare resorts, convention centres, motels, heritage hotels and the like.
- Investment opportunities in the setting up of tour operations and travel agencies cater to burgeoning tourist inflow.

WELLNESS



REASONS TO INVEST

- India has an unmatched wellness heritage, represented by its ancient systems of medicine which are a treasurehouse of knowledge for both preventive and curative healthcare.
- The demand for Ayurveda, Yoga, Naturopathy, Unani, Siddha and Homoeopathy (AYUSH) and herbal products is surging in India and abroad. India is the second largest exporter of AYUSH and herbal products.
- Indian systems of medicine and homoeopathy, particularly Ayurveda and yoga are widely recognized for their holistic approach to health and the capability for meeting emerging health challenges. These systems are playing an important role in achieving the national health outcome goals of reducing Maternal Mortality Rate (MMR), Infant Mortality Rate (IMR), malnutrition and anemia.
- The country has developed vast AYUSH infrastructure comprising 686,319 registered practitioners, 26,107 dispensaries and 3167 hospitals in the public sector, 501 undergraduate colleges with annual intake of 28,018 students, 151 centres for post graduate education with the annual admission of 3504 scholars and 8896 licensed drug manufacturing units.
- India also has a vast infrastructure with a dedicated Central Council of Indian Medicine, Central Councils of Homoeopathy (Regulatory Councils) and five Central Councils for Research, one for each AYUSH system. There are seven National Institutes (two for Ayurveda and one each for other systems), two North-eastern institutes

- to cater to needs of a specific area, two pharmacopoeia laboratories, one Pharmacopoeia Commission for Indian Medicine, a National Medicinal Plants Board and a public sector undertaking for manufacture of standardized Ayurvedic and Unani medicine.
- Investors and corporate houses are increasingly investing in AYUSH sector.
- India has a vast reservoir of natural flora and fauna and also ancient texts and knowledge that have made it an authority in the field of AYUSH.
- The sector is growing at 20% from year to year and is projected to amount to USD 2.5 billions in 2014.
- Ayurveda has a unique therapy called Panchkarma which is beneficial for preventive/promotive health and also for the treatment of many chronic lifestyle disorders.
- Yoga is widely recognised and practiced in Asian as well as western countries. Several yoga centres/studios have been established across the globe during the last 4-5 decades.
- Yoga is a drugless system and can be applied as independent modality or as an add-on therapy with other systems. The classical methods of yoga originated and propagated in India has its own advantages.
- The ancient Indian texts have defined the concepts of do's and don'ts related to dietics, conduct, activities etc. which are used as natural modalities for prevention of diseases and restoration of health.

INVESTMENT OPPORTUNITIES

- Ayurveda drug manufacturing (nutraceuticals, food supplements, cosmetics and rejuvenatives).
- Setting up of specialised treatment centres.

- Medical tourism for curative and rejuvenation treatments.

Knowledge Partner:



pwc

