Catalogue of Research Reports on Infrastructure Sectors

January 2019

India Infrastructure Research
www.indiainfrastructure.com

ABOUT US

India Infrastructure Research is a division of India Infrastructure Publishing Private Limited, a company dedicated to providing information on the infrastructure sectors through magazines, conferences, newsletters and research reports.

India Infrastructure Research publishes research reports in the areas of power, oil & gas, ports & shipping, roads & bridges, telecommunications, aviation and water.

Our reports are acknowledged as high-quality, user-friendly, up-to-date, accurate and comprehensive sources of information. They range from sector overviews (**Power in India**, for example) to more intensive studies of segments and subsegments (such as **Power Transmission in India** and **Power Distribution in India**).

Our clients include most organisations involved in the infrastructure sectors – multinationals, top Indian corporates, commercial and investment banks, consulting companies, public sector companies, government agencies, multilateral agencies and legal firms.

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Underground Cables Market in India (November 2018)

Price: Rs 50,000 (USD 1,180)

Market Trends, Outlook and Opportunities

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EXECUTIVE SUMMARY

With the growing demand for power in urban areas and industries, underground cable systems are becoming an increasingly indispensable part of power transmission and distribution systems. With improved technologies and increased reliability, the cost differential between underground cables and overhead power lines is narrowing and utilities are acknowledging the benefits associated with underground cabling. This report will attempt to take a look at the key trends in the deployment of underground cables so far; analyse the plans and proposal of T&D utilities; examine new and evolving technology improvements and solutions being offered by the industry; as well as assess the key issues and challenges.

1. T&D INDUSTRY OVERVIEW

The T&D industry has been growing steadily with investments being made in system strengthening and capacity additions. This chapter gives an overview of the T&D industry and will focus on:

- Growth and Size of Existing T&D Networks
- Recent T&D Network Additions
- Projected T&D Network Additions
- Projected Capex (till 2022-23)
- Future Outlook
- Issues and Challenges

2. MARKET SIZE AND GROWTH FOR UNDERGROUND CABLES

Most of India's T&D network continues to be strung overhead across the country; however, concerns about reliability and quality of supply are making utilities gradually replace their networks with underground lines. This chapter gives an overview on the new and emerging utility requirements in the underground cabling segment and will cover the following:

- Experience so far in T&D Networks
- Emerging Utility Requirements
  - Transmission
  - Distribution
- Major Projects Commissioned
  - Transmission
  - Distribution
- Major Projects Awarded/Under Construction
  - Transmission
  - Distribution
- Key Recent Tenders
- Issues and Challenges

3. RECENT TRENDS AND ADVANCES

Well-designed and well-installed underground cable systems are expected to have a service life of 30-40 years. Utility providers, transmission companies and cable manufacturers are hence, looking for new technologies and solutions to respond to new grid challenges. This chapter looks at the new and promising technologies, designs and solutions for underground cable networks.

- Design, Laying and Construction Processes
- Product and Technology Trends
- Market Trends and Developments (JVs/Acquisitions/Partnership Deals)
- Pricing and Cost Trends

4. OPPORTUNITIES UNDER KEY CENTRAL/STATE GOVERNMENT PROGRAMMES

Underground cables are an important part of several central government initiatives for improving T&D networks under IPDS. This chapter provides the details of plans and targets of works proposed to be taken up under various schemes.

- Snapshot of Key Government Programmes (IPDS, Green Energy Corridors, State Government Initiatives, etc.)
- Physical Targets for UG Cabling Works
- Funding Availability for UG Cabling Projects
- Issues and Concerns

5. OPPORTUNITIES UNDER SMART CITIES MISSION

The Smart Cities Mission offers significant opportunities for underground cabling in key cities. Some cities such as Indore, Belagavi, Dharamshala, Lucknow, Kanpur and Tirupati are implementing projects for setting up underground cabling network for utilities such as electric wires, water pipelines, stormwater drains, sewers and telecommunication cables. This chapter provides the details of plans and targets of works proposed to be taken up under various schemes.

- Snapshot of the Mission
- Physical Targets for UG Cabling Works
- Projects Completed so Far in Key Cities
- Projects Under Construction/ Awarded
- Proposed Projects
- Issues and concerns

6. OUTLOOK AND PROJECTIONS (till 2022)

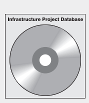
This chapter will give a snapshot of the investments and physical targets proposed for underground cabling networks by transcos and discoms. The information presented in this chapter is based on both primary and secondary information collected from transcos and discoms.

- Growth Drivers for UG Cabling
- Expected Demand for UG Cables
- Plans and Targets of Utilities by Segment
  - Transmission
  - Distribution
- Budgeted Capital Expenditures on UG Cabling
- Future Outlook

7. LEADING PLAYERS

This chapter primarily focuses on the profiles of key vendors and technology providers for underground cabling. Each profile covers the following information:

- Brief Company Overview
- Key Product Offerings
- Existing Manufacturing Capacity
- Financial Performance
- Future Plans



The report is available in a PDF format.

City Gas Distribution Market in India (August 2018)

No. of slides: 198 Price: Rs 50,000 (USD 1,180)

Market Analysis, New Opportunities and Outlook

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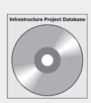

The report is available in a PDF format.

ENERGY

LNG Market in India (August 2018)

No. of slides: 127   Price: Rs 50,000 (USD 1,180)

Market Analysis, Key Trends and Outlook

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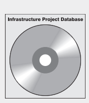

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Waste to Energy 2018 (May 2018)

No. of slides: 140 Price: Rs 50,000 (USD 1,180)

Segment Analysis, Trends and Outlook

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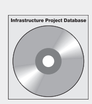

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Distribution Franchise in India (April 2018)

No. of slides: 90 Price: Rs 50,000 (USD 1,180)

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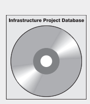

The report is available in a PDF format.

Competitive Bidding for Wind Projects (May 2018)

No. of slides: 140   Price: Rs 50,000   (USD 1,180)

Key Trends, Risks, Alternatives and Outlook

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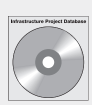

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Rooftop Solar Market in India 2017-18

No. of slides: 153 Price: Rs 50,000 (USD 1,180)

(November 2017)

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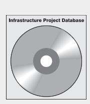

The report is available in a PDF format.

Open-Access for Renewables (December 2018) (Draft ToC)

Price: Rs 60,000 (USD 1,180)

Emerging Economics, Evolving Regulatory Framework, Increasing Opportunities and Changing Risks

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1. MARKET OVERVIEW, KEY TRENDS AND RECENT DEVELOPMENTS . . .

There is a rising popularity among developers, especially renewable energy players, to go for third-party direct sale agreements. States of Karnataka, Tamil Nadu, Andhra Pradesh and Telangana in the southern region of India and Rajasthan, Punjab and Haryana in the northern region of the country are fast catching up with open access transactions. But there are significant challenges in the growth of this segment, especially those pertaining to discoms' resistance to let go of their high-end consumers.

- Size and Growth of Open Access-based Power Projects
- Renewable Energy-based Open Access Projects: Year-wise Trends, Source-wise Share
- Participation of Open Access Consumers in the REC Market: Volume Trends, Price Trends
- Leading States
- Key Growth Drivers
- Tariff Trends in Open Access through Solar and Wind
- Key Issues and Challenges

2. IMPACT OF AMENDMENTS IN ELECTRICITY ACT, 2003 . . . .

- Amendments Pertaining to Open Access for Renewables
- Likely Impact on Growth of Open Access-based PPAs
- Unaddressed Issues
- Industry Experts' Opinions and Recommendations

3. EXISTING OPEN ACCESS POLICY AND REGULATORY SCENARIO . . . . .

The policy and regulatory framework in this space is currently highly dispersed and varied across states, and is not even stable over the years. There is always a risk of open access charges changing year on year, making it a risky proposition to invest in.

- Overview of Open Access Charges and Losses: For Solar Projects, For Wind Projects
- Model Regulations for Intra-state Open Access and Group Captive
- State-wise Orders of Open Access/Group Captive
- State-wise Implementation Status Overview
- State-wise Power Demand and Supply Overview
- RPO Trajectory for Open Access Consumers
- Key Issues and Challenges

4. INDUSTRY STRUCTURE AND BUSINESS MODELS . . . .

The industry structure in the renewable open access segment has been emerging gradually with more number of players entering into this space. Project developers and investors are currently cautious of investing significantly in this segment, but the trend is now changing.

- Power sale options: Bilateral, Collective, REC
- Industry Structure
- Key Players and Capacities: Solar Segment, Wind Segment
- Risks and Concerns

5. TERMS OF THIRD-PARTY POWER SALE CONTRACTS . . . .

It is important for both the buyers and sellers to clarify and list out their expectations and accordingly draw up the commercial power sale contract as per the applicable regulatory framework in the respective state.

- Time Period
- Extension Provision
- Tariff and Escalations
- Provision for Changes in Regulatory Charges
- Penalties
- Legal Terms

6. ROLE OF ENERGY BANKING, F&S AND DEVIATION SETTLEMENT MECHANISM . . . .

Energy banking will play a key role in the success of solar and wind power-based open access projects. Banking is presently allowed by SERCs upon the levy of a banking charge, which differs in magnitude across states. Rules around energy banking are specified in different types of documents in various states. Additionally, various attributes of the energy banking framework also differ across states.

- State-wise Energy Banking Mechanism for Open Access Projects: Banking Charge, Banking Period, Buy-back Rate, Restrictions on Time of Injection, Withdrawal of the Banked Energy, Other Attributes (seasonality constraints, buy-back rates, accounting for RPO, etc.)
- State-wise Emerging Energy Banking Framework
- State-wise Forecasting and Scheduling
- Deviation Settlement Charges

7. STATE PROFILES . . . .

This chapter will include profiles of Andhra Pradesh, Karnataka, Tamil Nadu, Maharashtra, Gujarat, Rajasthan, Madhya Pradesh, Telangana, Uttar Pradesh, Chhattisgarh, Haryana, Delhi, Punjab, etc.

- Open Access Charges and Exemptions for Solar and Wind Power: Transmission Losses, Distribution Losses, Wheeling Charges, Cross Subsidy Surcharge, Additional Surcharge, Reactive Energy Charges, Standby Charges, Banking of Surplus Solar Power, Scheduling of Power, Energy Metering
- Key Players and Capacities: Overall Solar, Solar Open Access, Overall Wind, Wind Open Access
- Landed Cost and Return Analysis
- Process and Approvals for Open Access Projects
- Key Industrial and Corporate Clusters: Existing, Upcoming

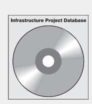
8. PROJECTED OPEN ACCESS MARKET . . . .

Over 2 GW of green power is being sold to big corporates through direct agreements and the trend is northbound as more and more corporates and industries are joining in the race. The business case for renewable energy based open access is getting stronger with the decreasing cost of green power and increasing cost of thermal power.

- Short-term (2019-23) and Long-term (2024-28) Projections
- Renewable-based Open Access Capacity Projections
- Open Access Projected Tariff and Pricing Trends
- IRR Projections
- Future Growth Drivers
- Expected Market Restraints

EXPERT OPINION . . . .

The report will feature 5-8 interviews of senior representatives at regulatory commissions, large open access consumers and key open access project developers, and experienced industry consultants



The report will be available in a PDF format.

T&D Equipment Market in India 2017 (August 2017)

No. of slides: 312 Price: Rs. 75,000 (USD 1,770)

Demand Outlook and Projections (till 2021-22)

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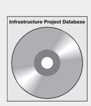
(Each profile covers existing and planned manufacturing capacity, product portfolio, recent orders, financial performance, etc.)



The report is available in a PDF format.

Future of Solar O&M in India (September 2018)

Price: Rs 60,000 (USD 1,180)

Changing Landscape, Growing Role of Digitisation and New Opportunities

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1. EXECUTIVE SUMMARY . . . .
Solar plants are built to last 20-25 years. After the engineering procurement and construction period is completed, developers need to ensure that the operations and maintenance (O&M) activities are seamless for sustained energy generation over the project lifetime. The report will highlight the emerging opportunities in this space and the growing role of new technologies like automation and artificial intelligence.

2. MARKET OVERVIEW . . . .
In the initial years of solar power development in India, O&M was often coupled with EPC and performed by the same vendors, but of late, solar O&M has emerged as a separate market with its own landscape, trends and dynamics. This chapter will cover the following areas:
- ❖ Current size of the solar O&M market
- ❖ Market size by segment
  - Utility-scale, Rooftop, Canal-top & floating solar
- ❖ Key growth trends and drivers
- ❖ O&M Evolution - Reactive to Predictive Analysis
  - Applications in solar O&M, Cost and time savings
- ❖ Emerging Role of Energy Storage
- ❖ Key issues and concerns

3. COST TRENDS . . . .
The cost of O&M services has been declining over the past few years and the downward trend is expected to continue. The cost composition itself is changing due to greater automation and use of advanced tools. This chapter will cover the following areas:
- ❖ Solar O&M cost trajectory (2012-18)
- ❖ Cost breakup analysis
  - Vehicles and logistics, Equipment and tools, Overheads, Personnel/ Manpower, Digital, Others
- ❖ Cost projections (2019-24)
  - Business model evolution, Key cost considerations, Impact of scale, Impact of energy storage, Future cost estimates

4. EMERGING O&M BUSINESS MODELS . . . .
Globally, there has been a rise of third party solar O&M service providers. As more sophisticated and structured approach emerges in the solar O&M market, third party providers are able to deliver more value to solar investors and owners. This chapter will cover the following areas:
- ❖ Capex-based
- ❖ Profit-sharing
- ❖ Fixed cost
- ❖ O&M extensions
- ❖ Others

5. TERMS OF O&M CONTRACTS . . . .
It is important for both developers and O&M service providers to clarify and list out their expectations and accordingly draw up a long-term contract. An effective contract will result in higher plant efficiencies. This chapter will cover the following areas:
- ❖ Time periods
- ❖ Product warranties
- ❖ Performance guarantees/SLAs
- ❖ Penalties
- ❖ Ownership
- ❖ Legal terms

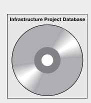
6. GRID MANAGEMENT BY O&M PLAYERS . . . .
As the government becomes stricter in its implementation of forecasting, scheduling and deviation settlement mechanism regulations, grid management will become a key component of O&M players. Integration of energy storage on to existing plants will lead to a greater O&M play. This chapter will cover the following areas:
- ❖ Forecasting and scheduling
- ❖ Deviation settlement management
- ❖ Integration of energy storage into existing plants
- ❖ Cost implications
- ❖ Experience so far

7. O&M COMPANY PROFILES . . . .
A large number of O&M focused players are coming up, some as hive-offs from existing EPC companies and others as independent specialists. This chapter will have 5-8 profiles of key O&M players in India covering the following:
- ❖ Project portfolio
- ❖ Service offerings
- ❖ Technology tie-ups
- ❖ On-ground experience
- ❖ In-pipeline capacity
- ❖ Etc.

8. DIGITALISATION AND AUTOMATION AT PLANT LEVEL . . . .
Digitalisation and automation will play a key role in providing efficient O&M services, thereby changing the current O&M cost composition, which is currently dominated by manpower expenses. New technologies are being adopted for improving asset lifecycle management, predictive maintenance, remote sensoring and control, cloud computing, and use of drones for visual imaging. A number of companies have also already started using robotics for cleaning modules. This chapter will cover the following areas:
- ❖ Emerging role, applications and use case for the following
  - Manpower and material management, Automated monitoring and big data analytics, Robotics, drones and wearables
- ❖ Growing role of artificial intelligence
  - Machine learning applications, AI field assistants and predictive analytics, Existing use cases
- ❖ Key technology providers
- ❖ Industry Perspective
  (Views of key personnel from the solar O&M industry and technology providers on the growing role of AI, robotics and data analytics)

9. KEY CHALLENGES, BEST PRACTICES AND CASE STUDIES . . . .
The lack of attention given to O&M practices is one of the primary challenges that the segment is facing. If the plant is not maintained properly, developers can lose up to 15 per cent of the returns. This chapter will cover the following areas:
- ❖ O&M challenges matrix
- ❖ Best practices (Globally and in India)
- ❖ Case studies (This will cover successes and failures of various technologies, business models and strategies adopted by O&M players)

10. PROJECTED O&M MARKET SIZE (FROM 2019-20 TO 2024-25) . . . . .
The total addressable market for solar PV O&M is expected to reach 30 GW in 2018-19. It is likely to more than triple by 2022 to exceed 100 GW. In fact, going forward, as the installed base gets larger, O&M revenue may even exceed the development and construction revenue. This chapter will cover the following areas:
- ❖ Impact factors
- ❖ Emerging O&M industry structure
- ❖ Short-term projections
- ❖ Medium-term projections
- ❖ Long-term projections



The report is available in a PDF format.

Industrial and Commercial Grid Power Market in India 2017

Price: Rs 40,000 (USD 944)

(April 2017) *No. of slides: 473*

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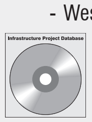

The report is available in a PDF format.

Power Distribution in India 2019 (February 2019)

Price: Rs. 75,000 (USD 1,770)

Segment Analysis and New Developments; Outlook and Projections

(Draft ToC)

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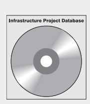

The report will be available in a PDF format.

Power Transmission in India 2019 (March 2019)

Price: Rs. 75,000 (USD 1,770)

Trends and Developments, Outlook and Projections

(Draft ToC)

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Each profile will provide data and analysis on the following:
- Growth in transmission network and capacity (2013-18), Performance indicators (2013-18), Key financials (2013-18), Expected growth in transmission network and capacity (till 2023-24), Planned capital expenditure (till 2023-24), Contact details

The report will be available in a PDF format.

Captive Power in India 2018 (August 2018)

No. of slides: 189 Price: Rs 60,000 (USD 1,416)

Trends, Capacity Analysis and Outlook

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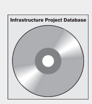
The most comprehensive database covering about 2,600 captive power plants with information on owner, capacity, location and fuel type. Industries covered would include: Metals and Minerals; Cement; Petrochemicals (Inc. Refineries); Chemicals; Textiles; Engineering; Pulp and Paper; Fertilisers; Sugar; Institutional Users; Group Captive; etc.



The report is available in a PDF format.

Coal-based Power Generation in India 2018 (April 2018)

Price: Rs 60,000 (USD 1,416)

Future Prospects, Issues and Opportunities

No. of slides: 295 (Draft ToC)

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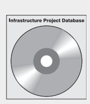
Each profile includes information on current capacity, upcoming projects, operating performance and financial performance.



The report is available in a PDF format.

Hydro Power in India 2017 (September 2017)

No. of slides: 297 Price: Rs 60,000 (USD 1,416)

Trends, Developments and Future Outlook

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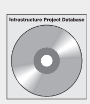

The report is available in a PDF format.

Gas in India 2017 (November 2017)

No. of slides: 297 Price: Rs 75,000 (USD 1,770)

Sector Overview and Outlook: E&P, LNG, Pipelines and CGD

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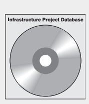

The report is available along with a presentation in PDF format.

Solar Power in India 2017 (May 2017)

No. of slides: 374 Price: Rs 60,000 (USD 1,416)

Segment Analysis, Trends and Developments

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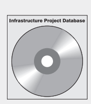

The report is available in a PDF format.

Wind Power in India 2017 (August 2017)

No. of slides: 199 Price Rs. 60,000 (USD 1,416)

Sector Analysis, Market Outlook and Opportunities

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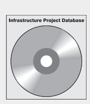

The report is available in a PDF format.

Solar Plant Performance in India 2017-18

No. of slides: 195 Price Rs. 60,000 (USD 1,416)

(January 2018)

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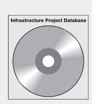

The report is available in a PDF format.

Renewable Energy Development in Africa (April 2018)

Price: Rs 200,000 (USD 3,200)

Trends, Outlook, Opportunities and Projections *No. of slides: 504*

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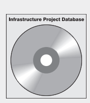

The report is available in a PDF format.

Charging Infrastructure for Electric Vehicles (March 2019)

Price: Rs 80,000 (USD 1,888)

Requirements, Projections, Challenges and Industry Insights

(Draft ToC)

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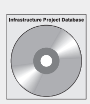
The report will also have a special section with opinions and views of senior representatives from government departments, regulatory agencies, private sector, and top consultancies.



The report will be available in a PDF format.

Logistics in India 2018 (July 2018)

Price: Rs 75,000 (USD 1,770)

Trends, Growth Drivers and Opportunities

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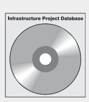

The report is available in a PDF format.

Railways in India 2019 (January 2019)

Price: Rs 110,000 (USD 2,596)

Research report with weekly newsletters and monthly updates

(Draft ToC)

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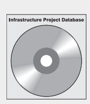

The report will be available in a PDF format.

Ports in India 2019 (February 2019) (Draft ToC)

Price: Rs 110,000 (USD 2,596)

Research report with weekly newsletters and monthly updates

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Infrastructure Project Database

The report will be available in a PDF format.

Dredging in India (October 2018)

Price: Rs 60,000 (USD 1,416)

Market Analysis, New Opportunities and Outlook

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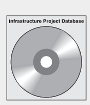
A comprehensive database of key dredging projects with information on quantity dredged, contractor, location, contract value, type of dredged deployed, etc. The database would include projects being undertaken at the major ports, non-major ports, national waterways, oil and gas fields, rivers, beaches, etc. It would also cover the ongoing and upcoming projects under the central government programmes.



The report is available in a PDF format.

Freight Market in India (October 2017)

No. of Slides: 380 Price: Rs 60,000 (USD 1,416)

Segment Overview, Outlook and Projections (till 2022-23)

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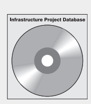

The report is available in a PDF format.

TRANSPORTATION

Storage Infrastructure in India (October 2017)

Price: Rs 60,000 (USD 1,416)

Market Size, Outlook and Projections (till 2022-23)

Table of Contents

The report is available in a PDF format.

Airports in India 2018 (June 2018)

No. of Slides: 291 | Price: Rs 75,000 (USD 1,770)

Sector Overview, Opportunities and Future Outlook

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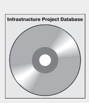

The report is available in a PDF format.

Road Development in India 2019 (January 2019)

No. of Slides: 571 Price: Rs 110,000 (USD 2,596)

Research report with weekly newsletters and monthly updates

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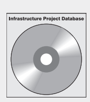
Each profile will provide an overview of the project portfolio (completed, under construction and planned projects), financial performance, recent developments, future plans, strategies, etc.



The report is available in a PDF format.

Urban Rail in India 2018 (April 2018)

No. of Slides: 476 Price: Rs 75,000 (USD 1,770)

Segment Trends, Outlook and Opportunities

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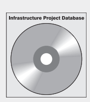
[Each profile covers the project scope (network length, number of stations, rolling stock, fare system, signalling and telecommunication, traction, etc.), implementing agency, project cost, key consultants, key contractors, key milestones, sources of funding, recent contracts, upcoming tenders, current status, etc.]



The report is available in a PDF format.

Clean Bus Market in India: Hybrid, Electric, Gas-Based

No. of Slides: 135   Price: Rs 50,000 (USD 1,180)

Segment Overview, Outlook and Market Opportunities (May 2018)

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The report is available in a PDF format.

Container Market in India 2017 (June 2017)

No. of Slides: 400 Price: Rs 60,000 (USD 1,416)

Segment Analysis, Outlook and Opportunities

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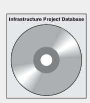

The report is available in a PDF format.

Construction in India 2017 (March 2017)

No. of slides: 334 Price: Rs 75,000 (USD 1,770)

Trends, Outlook and Projections (May 2018)

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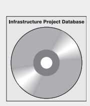

The report is available in a PDF format.

Mining in India 2019 (March 2019) (Draft ToC)

Price: Rs 75,000 (USD 1,770)

Emerging Trends, Evolving Policy Framework, New Opportunities and Future Outlook

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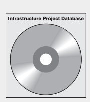

The report will be available in a PDF format.

Tunnelling in India 2019 (January 2019)

Price: Rs 75,000 (USD 1,770)

Segment Analysis, New Opportunities and Future Outlook

(Draft ToC)

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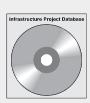

The report will be available in a PDF format.

Mining Equipment Market (May 2018)

No. of slides: 225   Price: Rs 75,000 (USD 1,770)

Market Size and Trends; Outlook and Projections (2018-22)

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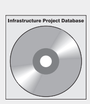
(Each profile covers existing and planned manufacturing capacity, product portfolio, recent initiatives, financial performance, etc.)



The report is available in a PDF format.

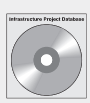
Affordable Housing in India 2018 (October 2018)

No. of slides: 249 Price: Rs 75,000 (USD 1,770)

Emerging Trends, Growth Drivers and New Opportunities

Table of Contents

(Each profile covers information on company overview, project portfolio – completed & ongoing, upcoming projects, financial performance and future plans.)



The report is available in a PDF format.

Smart Cities in India 2018 (February 2018)

No. of slides: 553 Price: Rs 75,000 (USD 1,770)

Segment Analysis, Outlook and Opportunities

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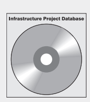

The report is available in a PDF format.

Municipal Solid Waste in India 2017 (April 2017)

No. of slides: 218 Price: Rs 50,000 (USD 1,180)

Market Analysis, Outlook and Opportunities

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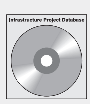

The report is available in a PDF format.

Sewage Treatment Market in India 2018 (August 2018)

No. of slides: 355 Price: Rs 60,000 (USD 1,416)

Segment Analysis, Outlook and Opportunities

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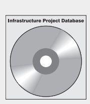

The report is available in a PDF format.

Real Estate in India 2017 (May 2017)

No. of slides: 318 Price: Rs 60,000 (USD 1,416)

Segment Analysis, Outlook and Opportunities

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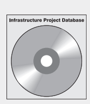

The report is available in a PDF format.

Optic Fibre Cable Market in India (May 2018)

No. of slides: 195   Price: Rs 50,000 (USD 1,180)

Growth Drivers, Opportunities and Outlook

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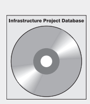

The report is available in a PDF format.

Infrastructure Projects in Pipeline 2017-22

No. of slides: 244 ***Price: Rs 75,000 (USD 1,770)***

(October 2017)

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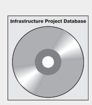
A database of key projects across roads and bridges, ports, railways, airports, urban rail, mining, power, renewable energy, oil and gas, water and waste, and irrigation sectors.

Each project provides information project scope, cost, capacity, location, implementing agency, ownership, EPC contractor/developer, equipment provider (wherever available), current status, date of commencement of construction/month of award (wherever available), and expected date of completion (wherever available).



The report is available in a PDF format.

Investment and Market Opportunities in African Infrastructure

Price: Rs 100,000 (USD 2,100)

(November 2018) (Draft ToC)

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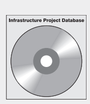

The report will be available in a PDF format.

Investment and Market Opportunities in Southeast Asian Infrastructure

Price: Rs 100,000 (USD 2,360)

(December 2017) (*No. of slides: 538)*

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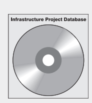

The report is available in a PDF format.

Indian Defence Industry 2017-18 (January 2018)

No. of slides: 383 Price: Rs 75,000 (USD 1,770)

Sector Overview and Market Trends; Outlook and Opportunities

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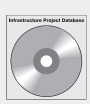

The report is available in a PDF format.

Healthcare Market in India (October 2018)

No. of slides: 276 Price: Rs 75,000 (USD 1,770)

Emerging Trends, Role of Technology and New Opportunities

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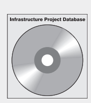

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Investment Experience and Opportunities in Infrastructure

Price: Rs 75,000 (USD 1,770)

Segment Analysis, Outlook and Projections (February 2017)

No. of slides: 322

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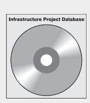


The report is available in a PDF format.

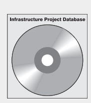
Irrigation Market in India (May 2017)

No. of slides: 238 Price: Rs 50,000 (USD 1,180)

Programmes and Projects: Opportunities for Construction and Equipment

Table of Contents

Each state profile covers basic statistics (irrigation potential, surface water, ground water availability etc.), key agencies involved, recently completed projects, ongoing projects, future projects, new initiatives and key achievements.



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Banking Technology in India (September 2018)

No. of slides: 177 Price: Rs 80,000 (USD 1,888)

Current Status and Emerging Trends

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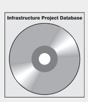

The report is available in a PDF format.

Mergers and Acquisitions in Infrastructure and Real Estate 2017

Price: Rs 100,000 (USD 2,360)

(September 2017) *No. of slides: 281*

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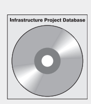
The data set includes a complete list of M&A deals in the infrastructure and real estate space for the Indian market for the period 2014 to 2017. The parameters covered include: deal value, type of deal, sector, target company, investor/buyer groups, date of investment, exit details (wherever applicable), etc.



The report is available in a PDF format.

Opportunities in Indian Defence Market 2019 (January 2019)

Price: Rs 75,000 (USD 1,770)

Market Analysis, Potential for Offsets and Future Outlook

(Draft ToC)

MULTI-SECTOR

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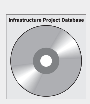

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City Gas Distribution Market in India (August 2018)	50,000	1,180	☐
LNG Market in India (August 2018)	50,000	1,180	☐
Waste to Energy (May 2018)	50,000	1,180	☐
Distribution Franchise in India (April 2018)	50,000	1,180	☐
Competitive Bidding for Wind Projects (May 2018)	50,000	1,180	☐
Rooftop Solar Market in India (November 2017)	50,000	1,180	☐
Open-Access for Renewables (December 2018)	60,000	1,416	☐
T&D Equipment Market in India (August 2017)	75,000	1,770	☐
Future of Solar O&M in India (September 2018)	60,000	1,416	☐
Industrial and Commercial Grid Power Market in India (April 2017)	40,000	944	☐
Power Distribution in India (February 2019)	75,000	1,770	☐
Power Transmission in India (March 2018)	75,000	1,770	☐
Captive Power in India (August 2018)	60,000	1,416	☐
Coal-based Power Generation in India (April 2018)	60,000	1,416	☐
Hydro Power in India (September 2017)	60,000	1,416	☐
Gas in India (November 2017)	75,000	1,770	☐
Solar Power in India (May 2017)	60,000	1,416	☐
Wind Power in India (August 2017)	60,000	1,416	☐
Solar Plant Performance in India (January 2018)	60,000	1,416	☐
TRANSPORTATION			
Charging Infrastructure for Electric Vehicles	80,000	1,888	☐
Logistics in India (July 2018)	75,000	1,770	☐
Railways in India (January 2019)	110,000	2,596	☐
Ports in India (February 2019)	110,000	2,596	☐
Dredging in India (October 2018)	60,000	1,416	☐
Freight Market in India (October 2017)	60,000	1,416	☐
Storage Infrastructure in India (October 2017)	60,000	1,416	☐
Airports in India (June 2018)	75,000	1,770	☐
Road Development in India (January 2019)	110,000	2,596	☐
Urban Rail in India (April 2018)	60,000	1,416	☐
Clean Bus Market in India: Hybrid, Electric, Gas-Based (May 2018)	50,000	1,180	☐
Container Market in India (June 2017)	60,000	1,416	☐
CONSTRUCTION & MINING			
Construction in India (March 2017)	75,000	1,770	☐
Construction Materials Market (July 2016)	60,000	1,416	☐
Tunnelling in India (January 2019)	75,000	1,770	☐
Mining Equipment Market (May 2018)	75,000	1,770	☐
URBAN INFRASTRUCTURE			
Affordable Housing in India (October 2018)	75,000	1,770	☐
Smart Cities in India (February 2018)	75,000	1,770	☐
Municipal Solid Waste in India (April 2017)	50,000	1,180	☐
Sewage Treatment Market in India (August 2018)	50,000	1,180	☐
Real Estate in India (May 2017)	60,000	1,416	☐
TELECOM			
Optic Fibre Cable Market in India (April 2018)	50,000	1,180	☐
MULTI-SECTOR			
Infrastructure Projects in Pipeline (October 2017)	75,000	1,770	☐
Investment and Market Opportunities in African Infrastructure (November 2018)	100,000	2,100	☐
Investment and Market Opportunities in Southeast Asian Infrastructure (December 2017)	100,000	2,360	☐
Indian Defence Industry (January 2018)	75,000	1,770	☐
Healthcare Market in India (October 2018)	75,000	1,770	☐
Investment Experience and Opportunities in Infrastructure (February 2017)	75,000	1,770	☐
Irrigation Market in India (April 2017)	50,000	1,180	☐
Banking Technology in India (September 2018)	80,000	1,888	☐
Mergers and Acquisitions in Infrastructure and Real Estate 2017 (September 2017)	100,000	2,360	☐
Renewable Energy Development in Africa (April 2018)	200,000	3,200	☐
Opportunities in Indian Defence Market 2019 (January 2019)	75,000	1,770	☐
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Telecom News

Telecom News covers the latest developments in the Indian telecom sector across all segments – fixed, wireless, broadband, long distance, satellite-based services, etc. The focus areas of this newsletter are government policy, legal and regulatory developments, contracts and orders, corporate news, sales promotion news, and new product/service introductions.

Ports & Shipping News

Ports & Shipping News covers the latest developments in the Indian ports and shipping sector. The focus areas of this newsletter are policy, deals, investments, contracts, plans, financings, projects, tariffs and other regulatory developments. It covers news related to major and minor ports, Indian and foreign shipping lines as well as related segments and sectors like rail connections, containers, etc.

Roads & Bridges News

Roads & Bridges News covers the latest developments in the Indian roads and bridges sector. Its scope includes national, state and key local projects. The focus areas of this newsletter are project updates, government plans and initiatives, contracts and orders, corporate news, financings, concessions and other agreements.

Infrastructure Finance News

Infrastructure Finance News covers the latest developments in the area of infrastructure finance. The focus areas of this newsletter are policy, equity moves, debt/bond issues, mergers and acquisitions, loans and credit, credit ratings, primary and public issues, joint ventures/agreements and financial results. The sectors covered include power, telecom, oil & gas, ports & shipping, roads & bridges, aviation, railways, urban infrastructure, water and housing. The lending institutions covered include financial institutions, nationalised banks, private banks, foreign banks, multilateral institutions and bilateral funding agencies.

Aviation News

Aviation News covers the latest developments in the Indian aviation sector. It covers both the airline and airport segments. The primary focus areas of this newsletter are infrastructure development, policy, investment, contracts and orders, privatisation and modernisation initiatives, promotional offers, financing and key statistics.

Urban Water & Sanitation News

Urban Water and Sanitation News covers policies, regulations, projects, finance, service providers, sanitation, and international news in the urban water development and sanitation sector. The newsletter will include a brief write-up on trends, project developments, key concepts, city profiles, relevant data, etc.

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