Catalogue of Research Reports on Infrastructure Sectors

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# TABLE OF CONTENTS

## ENERGY
- Cost of Power for Discoms and Industrial Users ........................................ 1
- Electricity Tariff Trends in India ................................................................. 2
- Solar Power in Africa 2020 ........................................................................... 3
- Floating and Canal-based Solar PV Market in India .................................... 4
- Wind-Solar Hybrid Market in India ............................................................... 5
- Commercial and Industrial Solar Market in India ....................................... 6
- Underground Cables Market in India .......................................................... 7
- CGD Market in India ..................................................................................... 8
- LNG Market in India ..................................................................................... 9
- Waste to Energy ........................................................................................... 10
- Distribution Franchise in India .................................................................... 11
- Competitive Bidding for Wind Projects ....................................................... 12
- Rooftop Solar in India .................................................................................. 13
- Open-Access for Renewables ....................................................................... 14
- T&D Equipment Market in India ................................................................. 15
- Future of Solar O&M in India ....................................................................... 16
- Industrial and Commercial Grid Power Market in India ............................. 17
- Power Distribution in India .......................................................................... 18
- Power Transmission in India ......................................................................... 19
- Captive Power in India .................................................................................. 20
- Coal-based Power Generation in India ......................................................... 21
- Hydro Power Market in India ...................................................................... 22
- Gas in India ................................................................................................... 23
- Solar Power in India ...................................................................................... 24
- Wind Power in India ...................................................................................... 25
- Solar Plant Performance in India ................................................................. 26
- Renewable Energy Development in Africa .................................................. 27
- Charging Infrastructure for Electric Vehicles .............................................. 28

## TRANSPORTATION
- Logistics in India .......................................................................................... 29
- Railways in India ........................................................................................... 30
- Ports in India .................................................................................................. 31
- Dredging in India ........................................................................................... 32
- Freight Market in India .................................................................................. 33
- Storage Infrastructure in India ........................................................................ 34
- Airports in India ............................................................................................. 35
- Road Development in India .......................................................................... 36
- Urban Rail in India ......................................................................................... 37
- Clean Bus Market in India: Hybrid, Electric, Gas-Based ............................ 38
- Container Market in India ............................................................................ 39

## CONSTRUCTION & MINING
- Construction in India ................................................................................... 40
- Mining in India ............................................................................................... 41
- Tunnelling in India ........................................................................................ 42
- Mining Equipment Market ............................................................................ 43

## URBAN INFRASTRUCTURE
- Water Market in India 2019 .......................................................................... 44
- Affordable Housing in India .......................................................................... 45
- Smart Cities in India ....................................................................................... 46
- Municipal Solid Waste in India ...................................................................... 47
- Sewage Treatment Market in India .............................................................. 48
- Real Estate in India ......................................................................................... 49

## TELECOM
- Optic Fibre Cable Market in India ................................................................. 50

## MULTI-SECTOR
- Infrastructure Projects in Pipeline ................................................................. 51
- Investment and Market Opportunities in African Infrastructure .................. 52
- Investment and Market Opportunities in Southeast Asian Infrastructure ........ 53
- Opportunities in the Indian Healthcare Market .............................................. 54
- Investment Experience and Opportunities in Infrastructure ......................... 55
- Irrigation Market in India .............................................................................. 56
- Banking Technology in India ......................................................................... 57
- Mergers and Acquisitions in Infrastructure and Real Estate ......................... 58
- Opportunities in Indian Defence Market 2019 .............................................. 59

## NEWSLETTERS

## ORDER FORM
EXECUTIVE SUMMARY

1. POWER SECTOR OVERVIEW AND INDUSTRY STRUCTURE
   - Trends in power generation
   - Fuel-wise share in power generation
   - Energy Consumption Trends
   - Discom Consumer Mix
   - Key recent developments
   - Current Power procurement models
   - Industrial power procurement Trends
   - Existing generation scheduling procedure

SECTION I: TRENDS IN DISCOM POWER PROCUREMENT

2. LONG-TERM PPAS
   - Tariff Trends in PPAs Before Competitive Bidding
   - Tariff Trends in Case I and Case II Bidding
   - Trends in PPAs with CPSUs

3. SHORT-TERM/ MEDIUM-TERM PPAS
   - Trends in Short-term PPAs
   - Procurement of Aggregate Power Scheme - reverse e-bid auction for PPAs
   - Trends from DEEP Portal
   - Other Short-term PPAs

4. POWER TRADING AT EXCHANGES
   - Day-ahead Market
   - Term-ahead Market
   - Major Buyers and Sellers
   - Trends in Volume of Power Procured by Discoms
   - Trends in price of Power Traded

SECTION II: OPTIONS FOR INDUSTRIAL POWER

5. INDUSTRIAL POWER PROCUREMENT
   - Grid Power Procurement
     - HT Industrial Power Procurement trends
     - LT Industrial Power Procurement Trends
   - Captive power generation
     - Existing and Upcoming Captive Power Capacity
     - Industry-wise Segmentation of Existing Capacity
     - Average Generation Cost Analysis of Captive Power Plants
   - Open Access
     - Trends in Open Access Charges
     - Landed Cost of Open Access Sourced Power
     - Policy and Regulatory Scenario in Key States
   - Procurement From Power Exchanges
     - Trends in Open Access Consumers
     - Open Access Power Volumes
     - Price Trends in Open Access

SECTION III: SOURCE-WISE COST OF POWER

6. COST OF WIND AND SOLAR POWER
   - Wind and Solar Energy Generation Trends
   - Tariff Trends
   - Capital Cost Trends
   - Trends in Overall Cost of Renewable Power to Discoms

7. COST OF COAL-BASED POWER
   - Key Trends in Coal-based Power Segment
     - Coal Price Trends
       - Domestic Coal Price Trends
       - E-auction Based Pricing
     - Imported Coal Pricing
     - Capital Cost Trends
     - Opex Trends
     - Trends in Overall Cost of Power Generation
     - Tariffs of Coal-based Power Stations
     - Ministry of Power's Scheme for Flexibility in Generation and Scheduling
     - Impact of Stringent Environmental Regulations on Cost of Power
     - Tariffs Discovered Under Recent PPA Auctions Pilot Scheme
     - Capacity Outlook and Projections (2019-20 to 2024-25)

8. COST OF NATURAL GAS-BASED POWER
   - Natural Gas-based Power Generation Trends
   - Natural Gas Price Trends
   - Capital Cost Trends
   - Opex Trends
   - Trends in Overall Cost of Power Generation
   - Tariffs of Natural Gas-based Power Stations
   - Capacity Outlook and Projections (2019-20 to 2024-25)

9. COST OF HYDRO-BASED POWER
   - Hydropower Generation Trends
   - Capital Cost Trends
   - Tariff Trends
   - Outlook and Projections (2019-20 to 2024-25)

SECTION IV: EVOLUTION OF POWER PROCUREMENT MARKET

10. PEAKING POWER AND ANCILLARY SERVICES
    - Management of Peaking Power
    - Re-designing Ancillary Services Market

11. SCED OF IGS
    - Overview
      - Pilot Project Regulations by CERC
      - Methodology by POSOCO
      - Pilot Project Findings and Cost Savings
      - Outlook

12. OUTLOOK AND FUTURE TRENDS
    - Outlook for Total Cost of Power Generation
    - Evolving Power Procurement Model
      - Impact of Move to Complete Spot Market-based Power Procurement
      - Impact on Long-term PPAs
    - Future Cost Management Strategies
    - Impact of Increasing Renewable Energy Capacity
    - Key Issues and Challenges

The report will be available in a PDF format.
Table of Contents

EXECUTIVE SUMMARY

1. POWER SECTOR MARKET OVERVIEW
   - Power Demand and Supply Trends
   - Fuel-wise Power Generation
   - Retail Power Market Structure
     ● HT Industrial Segment
     ● LT Industrial Segment
     ● Commercial Segment
     ● Residential Segment
     ● Agricultural Segment
   - Key recent Developments
   - Overall Power Tariff Trends
   - Trends in National Average Power Purchase Cost
   - Issues and Challenges

SECTION I: HT INDUSTRIAL CONSUMERS MARKET

2. MARKET OVERVIEW
   - Historical Trends
     ● Sale of Power to HT Consumers
     ● Share of HT Consumers in Total Power Sales
   - Outlook and Projections (2019-20 to 2024-25)

3. TARIFF TRENDS
   - All-India Average HT Industrial Tariff Revisions
   - State- and Utility-wise Trends in Average Rate of Sale of Power
   - HT Tariffs as a Percentage of Average Cost of Supply
   - Year-on-year Changes in Tariffs
   - Trends in Cross-subsidy Surcharges for HT Industrial Consumers
   - Trends in Short-term Retail Power Trading

SECTION II: LT INDUSTRIAL CONSUMERS MARKET

4. MARKET OVERVIEW
   - Historical Trends
     ● Sale of Power to LT Consumers
     ● Share of LT Consumers in Total Power Sales
   - Outlook and Projections (2019-20 to 2024-25)

5. TARIFF TRENDS
   - All-India Average LT Industrial Tariff Revisions
   - State- and Utility-wise Trends in Average Rate of Sale of Power
   - Year-on-year Changes in Tariffs

SECTION III: COMMERCIAL CONSUMERS MARKET

6. MARKET OVERVIEW
   - Historical Trends
     ● Sale of Power to Commercial Consumers
     ● Share of Commercial Consumers in Total Power Sales
   - Outlook and Projections (2019-20 to 2024-25)

7. TARIFF TRENDS
   - All-India Average Commercial Tariff Revisions
   - State- and Utility-wise Trends in Average Rate of Sale of Power
   - Year-on-year Changes in Tariffs

SECTION IV: RESIDENTIAL CONSUMERS MARKET

8. MARKET OVERVIEW
   - Historical Trends
     ● Sale of Power to Residential Consumers
     ● Share of Residential Consumers in Total Power Sales
   - Outlook and Projections (2019-20 to 2024-25)

9. TARIFF TRENDS
   - All-India Average Residential Tariff Revisions
   - State- and Utility-wise Trends in Average Rate of Sale of Power
   - Year-on-year Changes in Tariffs

SECTION V: AGRICULTURAL CONSUMERS MARKET

10. MARKET OVERVIEW
    - Historical Trends
      ● Sale of Power to Agricultural Consumers
      ● Share of Agricultural Consumers in Total Power Sales
    - Outlook and Projections (2019-20 to 2024-25)

11. TARIFF TRENDS
    - All-India Average Agricultural Tariff Revisions
    - State- and Utility-wise Trends in Average Rate of Sale of Power
    - Year-on-year Changes in Tariffs

The report will be available in a PDF format.
SECTION A: SOLAR PROJECTS MARKET OVERVIEW

1. SOLAR PROJECT MARKET ANALYSIS
   - Biggest Solar Projects of 2019 (completed and awarded)
   - Project Analysis (completed projects)
     - By Country and Region
     - By Segment (utility-scale, rooftop, microgrids, etc.)
     - By Year (2015-19)
     - By Technology
     - Top Players in the Market

2. SOLAR PROJECT COST TRENDS
   - Country-wise Solar Tariffs
     - Utility-scale
     - Rooftop
   - Yearly Trends (2015-19)
   - Cost-comparison by Technology

3. EMERGING POLICY AND REGULATORY REGIME
   - Country-wise Policy Analysis
   - Project Allocation Mechanisms
   - Country-wise Regulatory Analysis
   - Financial Incentives

4. CAPACITY OUTLOOK AND PROJECTIONS (2020-24)
   - Future Growth Drivers
   - Mega Projects Under Construction
   - Upcoming and Planned Tenders
   - New Players in the Market
   - Future Solar Project Market Analysis (MW)
     - By Country and Region
     - By Segment (utility-scale, rooftop, microgrids, etc.)
     - By Year
     - By Technology

5. PROJECT PIPELINE AND MARKET OPPORTUNITIES
   - Overall Project Pipeline
     - By Country
     - By Type (utility-scale, Rooftop, etc.)
     - By Technology (PV/ CSP)
     - By Stage of Implementation (recently awarded/approved/announced)
   - Top 50 Upcoming Projects
   - Market Opportunities
     - Developers
     - Contractors
     - Financiers/Long-term Investors
     - Technology and Equipment Providers
     - Other Stakeholders
   - Future Outlook

6. INVESTMENT RISKS AND REQUIREMENTS (2020-24)
   - Past Investment Trends
   - Key Investment Risks
   - Future Investment Requirements

SECTION B: COUNTRY PROFILES

This section will have chapters pertaining to the solar power project pipeline, investment requirements and capacity outlook for 25-30 African countries like Algeria, Angola, Botswana, Cameroon, Democratic Republic of the Congo, Egypt, Ethiopia, Ghana, Guinea, Kenya, Libya, Madagascar, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Seychelles, Sierra Leone, South Africa, Sudan, Tanzania, Togo, Tunisia, Uganda, Zambia and Zimbabwe. Each country profile chapter will provide information on:

- Solar Power Potential
- Growth of Solar Power Capacity
- Key Growth Drivers
- Evolving Policy and Regulatory Scenario
- Project Allocation Mechanisms (FIT, competitive bidding, government schemes, etc.)
- Key Projects Awarded Recently
- Upcoming Tenders and Projects
- Cost and Tariff Trends
- Key Developers and Plans
- Contractor Landscape
- Risks and Challenges
- Future Capacity Targets and Demand Outlook
- Investment Requirements

The report will be available in a PDF format.
Table of Contents

1. POTENTIAL AND OVERVIEW .................................................................
   - Market potential
     • By reservoirs and dams
     • By canals
   - Current capacity
     • Floating solar
     • Canal-top solar
     • Canal-bank solar
   - Market share trends in total solar capacity
   - Key benefits
   - Growth drivers
   - Policy targets and financial incentives
   - State policies and regulations
   - Global scenario
   - Risks and challenges (Market, technology, policy and regulations)

SECTION I: FLOATING SOLAR

2. CURRENT PROJECTS AND CASE STUDIES .............................................
   - List of installed projects (This will provide details pertaining to capacity, location, size, year of commissioning, developer, procurement authority, tariff, EPC, equipment supplier, etc.)
   - Case studies (This will include key project details, project implementation experience, challenges encountered in setting up the project, approval processes, plant performance trends, tariff, offtake, revenue, project cost, technology used, etc.)
     • 2 MW project at Mudasarlova reservoir in Visakhapatnam (GVSCCL)
     • 2 MW project at Banasura Sagar reservoir in Wayanad (KSEB)
     • 100 kWp plant at Kayamkulam in Kerala (NTPC)
     • 10 kW project in Rajarhat, Kolkata (Arka Renewable Energy College and NTKDA)
     • 1 MWp plant at NTPC Kawas, Gujarat

3. PROJECT PIPELINE ..........................................................................
   - Under development
     • By SECI
     • By NTPC
     • By state agencies

4. COST ECONOMICS, TARIFFS AND IRRS .............................................
   - Capital cost break-up
   - O&M cost trends
   - Cost comparison with ground-mounted plants
   - Tariffs discovered under various tenders
   - Project and equity IRRs

5. TECHNOLOGY AND SUPPLIER ECOSYSTEM ......................................
   - Technology types and application
     • Liquid Solar Array
     • HDPE floating platform
     • Solar Islands
     • Floating grids
     • Polyculture-based platforms
     • Tracking Type FSPV
     • Etc.
   - Key suppliers
   - Potential for domestic manufacturing

6. OUTLOOK AND PROJECTIONS (2019-2023) .......................................  
   - Future growth drivers
   - Perceived challenges
   - Capacity addition projections
   - Tariff projections
   - Investment requirements

SECTION II: CANAL-BASED SOLAR

7. CURRENT PROJECTS AND CASE STUDIES .............................................
   - List of installed projects (This will provide details pertaining to capacity, location, size, year of commissioning, developer, procurement authority, tariff, EPC, equipment supplier, etc.)
   - Case studies (This will include key project details, project implementation experience, challenges encountered in setting up the project, approval processes, plant performance trends, tariff, offtake, revenue, project cost, technology used, etc.)
     • 10 MW Sardar Sarovar Narmada Nigam Limited, Vadodra, Gujarat
     • 1 MW Losari Canal, Andhra Pradesh
     • 2.5 MW projects each on Sidhwan and Ghaggar Branch Canal, Punjab
     • 4.5 MW project on Chengaltodu Canal, Kerala
     • 7.5 MW on Ghaggar Link Canal, Punjab

8. PROJECT PIPELINE ..........................................................................
   - Under development
     • By SECI
     • By NTPC
     • By state agencies

9. COST ECONOMICS, TARIFFS AND IRRS .............................................
   - Capital cost break-up
   - O&M cost trends
   - Cost comparison with ground-mounted plants
   - Tariffs discovered under various tenders
   - Project and equity IRRs

10. OUTLOOK AND PROJECTIONS (2019-2023) ......................................
    - Future growth drivers
    - Perceived challenges
    - Capacity addition projections
    - Tariff projections
    - Investment requirements

Note: The report will include interview/s of senior representatives at tendering agencies, project developers and EPC’s, O&M service providers and experienced industry consultants involved with the featured projects.
1. EXECUTIVE SUMMARY

2. RENEWABLE ENERGY POTENTIAL IN INDIA
   - Market potential by Source
   - Source-wise Capacity
   - Generation Analysis
   - Key recent Developments
   - Growth Drivers
   - Issues and Challenges

3. WIND SOLAR HYBRIDS OVERVIEW
   - State-wise Potential Estimated by NIWE
   - Current Status
   - Key Growth Drivers
   - Policy and Regulatory Developments
     - Central level
     - State level
   - Issues and Challenges
   - Industry Perspective

4. PROJECT PIPELINE
   - Announced Tenders
   - Auctioned Projects
   - Cancelled Projects

5. PPA TERMS AND STRUCTURING
   - Key Terms
   - Tariff Structures
   - Metering Arrangements
   - Treatment of Infrastructure
   - Payment Security Mechanism
   - Legal Terms
   - Legal Perspective

6. ROLE OF STORAGE
   - Upcoming wind-solar Storage Projects
   - Policy Developments
   - Future Outlook

7. COST ECONOMICS, SYNERGIES AND RETURNS
   - Capex and Opex
   - Cost and Infrastructure Synergies
   - Tariffs Discovered under Recent Tenders
   - Return Analysis
   - Cost and Return Comparison with Pure-play Solar and Wind Projects

8. OUTLOOK AND PROJECTIONS
   - Future Growth Drivers
   - Potential Risks
   - Tariff Outlook
   - Installed Capacity Projections
   - Investment Requirements

9. KEY CASE STUDIES
   - Kavithal, Karnataka - Hero Future Energies
   - Kudgi, Karnataka - NTPC
   - Red Lake Falls, Minnesota, US - Juhl Energy
   - Wheatridge, Oregon, US - NextEra and PGE
   - La Plana, Zargosa, Spain - Siemens Gamesa
   - Parc Cynog, Wales, UK - Vattenfall
   - Haringvliet, Netherlands - Vattenfall
   - Kennedy Energy Park, Queensland, Australia - Windlab and Eurus

10. OTHER RENEWABLE ENERGY HYBRID MODELS
   - Solar-natural gas Hybrids
   - Solar-hydro Hybrids
   - Wind-hydro Hybrids
   - Solar-wind-hydro Hybrids

The report is available in a PDF format.
Table of Contents

1. EXECUTIVE SUMMARY .................................................................

SECTION I: MARKET OVERVIEW .....................................................

2. SIZE AND GROWTH .................................................................
- Annual growth trend
- Current market size (MW)
  - Open access/ Third-party solar
  - Captive solar
- State-wise installed C&I capacity in rooftop space
- Key growth drivers
- State-wise potential (MW)
- Key risks and challenges

3. KEY TRENDS AND DEMAND DRIVERS .........................................
- Drivers and roadblocks
- State-wise open access charges
- Solar policy targets in focus states
- State-wise retail tariffs
- Discom health across key states
- State-wise APPC trends
- RPO trajectory
- Power demand outlook
- State-wise solar open access score
- State-wise captive solar power score

4. COST STRUCTURES, TARIFF TRENDS AND PROJECT RETURNS ...........
- Cost economics of open access-based projects
- Cost economics of captive solar project
- Annual HT industrial tariff trends
- Annual commercial tariff trends
- Solar tariff trends across states
- Return analysis

5. INDUSTRY STRUCTURE AND BUSINESS MODELS .........................
- Power sale options
- Current business models
  - Capex
  - Opex
- Emerging business models
- Aggregator
- Solar as a Service

6. PROJECTIONS FOR C&I SOLAR MARKET (2019-20 TO 2024-25) .........
- Policy and regulatory outlook
- Potential challenges
- Expected future trajectory of industrial and commercial tariffs (2019-20 to 2024-25)
- Power demand/supply projections in MUs (2019-20 to 2024-25)
- Banking provision in MUs (2019-20 to 2024-25)
- State-wise addressable solar potential in the C&I segment (2019-20 to 2024-25)
- State-wise projected solar capacity in the C&I segment (2019-20 to 2024-25)
  - High growth-scenario
  - Medium growth-scenario
  - Low growth-scenario

SECTION II: STATE FOCUS ..............................................................

7. STATE PROFILES .................................................................
(This chapter will feature detailed information and analysis of the C&I solar segment in 12 states. These are Andhra Pradesh, Chhattisgarh, Haryana, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan, Tamil Nadu, Telangana, Uttar Pradesh and Uttarakhand.

8. CURRENT PROJECTS AND PLANNED SOLAR CAPACITY IN THE C&I SEGMENT .................................................................
(This will have information including project size, location, developer, EPC provider, business model, project cost, etc.)
- Commercial segment
  - Airports
  - Mass Transit Systems
  - Ports
  - Indian Railways
  - Others (Walmart, Infosys, Amazon, Flipkart, IBM, etc.)
- Industrial consumers (This will include players like Indian Oil Corporation Limited, ONGC, HPCL, ACC Cement and the GMR Group)
  - Key operational projects
  - Upcoming projects

9. KEY DEVELOPER PROFILES ...........................................................
(This will have information about 8-10 developers’ current C&I project portfolio in both rooftop and ground-mounted segments, key consumers in the C&I space, key partnerships, future plans, etc.)
- Ampus Solar
- CleanTech Solar
- CleanMax Solar
- Fourth Partner Energy
- Gensol Engineering
- Hero Future Energies
- Rays Power
- ReNew Power
- Sterling & Wilson
- Etc.
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 of 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.
1. EXECUTIVE SUMMARY AND KEY INSIGHTS

SECTION I: MARKET ANALYSIS, UPCOMING NETWORKS AND NEW OPPORTUNITIES

2. OVERVIEW
- Network Size and Growth, Key Consumer Segments, Gas Supply for CGD, Notable Trends, Recent Authorisations, Major Players, Investment Projections (2024-25), Issues and Challenges, Sector Outlook

3. CNG NETWORK - SIZE AND GROWTH
- Current Network Size
- Growth in the Last Five Years
- Trends in CNG Sales

4. DETAILED MARKET ANALYSIS
- Institutional Framework, Licensing Regime, New Bidding Criteria, Key Remaining Concerns, Domestic Gas Allocation Principles, Regulatory Outlook

5. OVERALL BIDDING EXPERIENCE
- Experience So Far, Update on Licensing Rounds (1 to 10), Amendments to Bidding Criteria, Recent Aggressive Bids (Round 9 and 10), Trends in Network and Compression Charges, Impact of New Penalty Clause, Key Lessons Learnt

6. PERFORMANCE OF KEY OPERATIONAL NETWORKS
- Profiles of 20-25 Key Operational CGD Networks

7. PROGRESS OF KEY UNDER CONSTRUCTION NETWORKS
- Profiles of 20-25 Key Under Construction CGD Networks

8. ROUND 8: UPCOMING GAS AND DEMAND ASSESSMENT
- Snapshot: Geographical Spread/Distribution of GAs Offered; GAs Granted Authorisations; Successful Bidders; Key Features - Area, Population, Households, etc.; Infrastructure to be Laid in the Next Eight Years (as per MWPs); Investment Projections; GA-wise Gas Demand Projections; Top Investment Destinations

9. ROUND 10: UPCOMING GAS AND DEMAND ASSESSMENT
- Snapshot: Geographical Spread/Distribution of GAs Offered; GAs Granted Authorisations; Successful Bidders; Key Features - Area, Population, Households, etc.; Infrastructure to be Laid to the Next Eight Years (as per MWPs); Investment Projections; GA-wise Gas Demand Projections; Top Investment Destinations

10. ROUNDS 2 TO 8: GAS YET TO RECEIVE AUTHORISATION
- Snapshot: Unauthorised GAs under Rounds 2-8 Authorised in Rounds 9 and 10; Key Features - Area, Population, Households, etc.; Infrastructure to be Laid as per MWPs; Investment Requirements

11. NEW CGD NETWORKS ALONG THE URJA GANGA PIPELINE
- Introduction of JHBPOL and the BG Pipeline Project, Key Milestones; CGD Infrastructure: Key Features; Infrastructure To Be Laid in Six CGD Cities; 5 Year Target of the CGD Project; Progress on CGD Infrastructure; Investment Projections: Industry Estimates, Capex Projections; GA-wise Gas Demand Projections; Technology Initiatives; Issues and Challenges

12. FUTURE OUTLOOK AND DEMAND PROJECTIONS
- Growth Drivers: Overall Gas Demand Projections - A Perspective from the Past; Overall Gas Demand Projections; Gas Demand Projections for the CGD sector; Investment in the CGD Sector: Trend So Far; Investment Projections for the CGD sector (ill 2024-25); Region-wise CGD Outlook; Projected CGD Sales; Projected CGD Sales: Key Players

13. MARKET OPPORTUNITIES FOR SERVICE/EQUIPMENT PROVIDERS
- GAs Awarded: Pipe Manufacturers; Compression and Dispensing Equipment; Meter Manufacturers

14. TARIFFS, ECONOMICS AND COST COMPETITIVENESS
- Commercial Viability of CGD; Expected Impact of New Regulations on the Commercial Viability of the CGD Business; New & Innovative Business Models (ODD Model, Green Energy corridors, etc.); Capex Requirements; Opex Requirements; Cost Competitiveness of CG and PNG; Profitability/Margins of CGD Players; Historical Returns; Expected Returns; Leverage of CGD Players; Key Risks and Challenges

15. UPDATE ON PIPELINE INFRASTRUCTURE
- Current Status of Pipeline Infrastructure
- Projects Underway
- Proposed Projects/Projects at Initial Stages of Development: Domestic, Transnational
- Investment Requirements
- Pipeline Development - Concerns Affecting the CGD Sector

SECTION II: GAS SUPPLY SCENARIO AND OUTLOOK

17. DOMESTIC GAS SUPPLY AVAILABILITY AND OUTLOOK
- Current Domestic Production; Policy Enablers; Sourcing Options of CGD Players; Gas Supply Projections - Existing Domestic Fields; Expected Production from New Fields

18. R-LNG SUPPLY SCENARIO
- Trends in LNG Imports; Global Price Trends; Demand from the CGD Sector; LNG Sourcing Options for CGD Players; India’s Existing LNG Re-gasification Capacity; Upcoming LNG Re-gasification Capacity; Future Outlook

SECTION III: TECHNOLOGY TRENDS AND NEW OPPORTUNITIES

19. NETWORK AND ASSET MANAGEMENT
- Current Practices
- Select Case Studies
- New Trends and Advancements
- Future Plans and Outlook

20. METERING AND BILLING
- Current Practices
- Select Case Studies
- Emerging Metering Technologies
- Select Case Studies
- Issues and Challenges

21. OTHER FOCUS AREAS
- LNG Fuel Stations
- LNG-fuelled Vehicles
- Bio-CNG/Compressed Biogas Plants (CBP)

SECTION IV: PROFILE OF MAJOR PLAYERS

22. PROFILES OF MAJOR PLAYERS
- Aavantika Gas Limited; Adani Gas Limited; Assam Gas Company Limited; Bhagyanagar Gas Limited; Bharat Gas Resource Limited; Central UP Gas Limited; Consortium of A&P LNG Marketing Pte. Limited and Atlantic Gulf & Pacific; Consortium of Think Gas Investments Pte Limited; Essel Gas Company Limited; Gail India Limited; Gail Gas Limited; Green Gas Limited; Gujarat Gas Limited; Haryana City Gas Distribution Limited; Indian Oil- Adani Gas Private Limited; Indraprastha Gas Limited; Mahanagar Gas Limited; Maharashatra Natural Gas Limited; Rajasthan State Gas Limited; Sabarmati Gas Limited; Hindustan Petroleum Corporation Limited; Indian Oil Corporation Limited; IRM Energy Private Limited; Megha Engineering and Infrastructures Limited; Torrent Gas Private Limited; Union Enviro Private Limited

The report is available in a PDF format.
**SECTION I: MARKET TRENDS AND ANALYSIS**

1. EXECUTIVE SUMMARY
2. OVERVIEW
   - LNG Value Chain
   - Gas Demand Supply Scenario
   - Role of LNG
   - LNG Market Size and Growth
   - Recent Trends and Developments
   - Key Regulations
   - Global LNG Scenario
   - India’s Geopolitical Relations with Key Importers
   - Issues and Challenges
   - Future Outlook
3. DEMAND ANALYSIS
   - Current Demand
     - Natural Gas Demand
     - LNG Demand
     - Unmet Demand
   - Analysis by Consuming Segments
     - City Gas Distribution
     - Power
     - Fertilisers
     - Mining and Industrial
4. SUPPLY ANALYSIS
   - Domestic Gas Production Trends
   - Import Trends
   - Sourcing Countries
   - Key LNG Contracts (Long-term and Spot)
   - Recent Contract Renegotiations
5. PRICING TRENDS AND FORECASTS
   - Global LNG Pricing Trends
   - Spot LNG Price Analysis
   - Long-term Contract Pricing
   - LNG Price Forecast
6. OUTLOOK AND PROJECTIONS
   - Growth Drivers
   - Natural Gas Demand Projections by Consumer Segment
   - Domestic Gas Production Projections
   - LNG Demand Projections
   - LNG Capacity Projections

**SECTION II: FOCUS ON LNG INFRASTRUCTURE**

7. EXISTING LNG TERMINALS
   - Dahej
   - Hazira
   - Dabhol
   - Kochi
8. UPCOMING LNG TERMINALS
   - Under Construction Terminals
     - Dhamra LNG Import Terminal
     - Ennore LNG Terminal
     - Jaigarh LNG Terminal
     - Pipavav LNG FSRU Import Terminal
   - Proposed/Announced Terminals
     - Digha LNG FSRU Terminal
     - Gangavaram LNG Terminal
     - Port Blair FSRU Terminal
     - Hooghly LNG Terminal
     - Krishna Godavari LNG Import Floating Terminal
     - Kakinada Floating LNG FSRU Import Terminal
     - Kakinada LNG Terminal (GMR)
     - Krishnapatnam LNG FSRU Terminal
     - Mangalore LNG Terminal
     - Karawar LNG FSRU Terminal
   - Market Opportunities for Key Players
9. PIPELINE INFRASTRUCTURE
   - Existing Pipeline Infrastructure
   - Upcoming Pipeline Projects
   - Issues and Challenges

**SECTION III: PROFILES OF MAJOR LNG EXPORTING COUNTRIES**

10. KEY COUNTRIES AND REGIONS
   - Australia
   - Qatar
   - Russia
   - US
   - South America
   - Nigeria
   - Other MENA Countries
   - Others

*The report is available in a PDF format.*
1. EXECUTIVE SUMMARY

SECTION A: MARKET OVERVIEW, TRENDS AND OUTLOOK

2. CURRENT SCENARIO
   - Waste Generation Potential in India
   - Size and Growth of Waste to Energy
   - Leading Cities in Waste to Energy Development
   - Current Industry Structure
   - Waste Treatment and Processing Practices
   - New Technology Advancements
   - Market for Waste Residues/Byproducts
   - Key Issues and Challenges
   - Future Outlook

3. ENABLING POLICY FRAMEWORK
   - Swachh Bharat Mission
   - Smart Cities Mission
   - Government Schemes for Waste-based Projects
   - National Tariff Policy, 2016
   - Solid Waste Management Rules, 2016
   - Environmental Norms for WtE Projects
   - GST for WtE Projects
   - WtE Tariffs Determined by CERC and SERCs
   - State-wise WtE Policies and Regulations

4. FUTURE OUTLOOK AND MARKET OPPORTUNITIES
   - MNRE’s Targets
   - Key Growth Drivers
   - Capacity Addition Outlook
   - Investment Projections
   - City-wise Potential and Opportunities
   - Market Opportunities
   - The Way Forward

5. ANALYSIS OF OPERATIONAL PROJECTS
   - City-wise Analysis of Waste to Energy Capacity
   - Technology-wise Analysis
   - Segment-wise Analysis: MSW Power Plants; Grid Power Projects in Industries; Captive off-grid Projects; Biogas for Captive Thermal; Bio-CNG Projects

6. ECONOMICS AND FINANCING
   - Cost Economics
   - Key Financiers
   - Year-wise CFA and Sanctions
   - New Financing Tools and Instruments
   - Emerging Business Models for Project Development
   - Key Risks and Concerns
   - Project IRRs

SECTION B: SEGMENT ANALYSIS

7. MSW-BASED POWER PROJECTS
   - Size and Growth
   - MSW Generation in Major Cities of India
   - Growth Drivers
   - Upcoming Projects
   - Key Issues and Challenges
   - Future Outlook
   - Key Project Case Studies: Key Features; Waste Collection System; Waste Management Practices; Performance Trends; Critical Success Factors

8. INDUSTRIAL WASTE-BASED POWER PROJECTS (INCLUDING CAPTIVE OFF-GRID)
   - Size and Growth
   - Industry-wise Potential
   - Growth Drivers
   - Upcoming Projects
   - Key Issues and Challenges
   - Future Outlook
   - Key Project Case Studies: Key Features; Waste Collection System; Waste Management Practices; Critical Success Factors

9. BIOGAS PROJECTS
   - Size and Growth
   - Market Potential
   - Growth Drivers
   - Upcoming Projects
   - Key Issues and Challenges
   - Future Outlook
   - Key Project Case Studies: Key Features; Waste Collection System; Waste Management Practices; Critical Success Factors

10. BIO-CNG PROJECTS
    - Size and Growth
    - Market Potential
    - Growth Drivers
    - Upcoming Projects
    - Key Issues and Challenges
    - Future Outlook
    - Key Project Case Studies: Key Features; Waste Collection System; Waste Management Practices; Critical Success Factors

The report is available in a PDF format.
1. OVERVIEW
- Key Trends in Power Distribution Segment
- Needs and Requirements for DFs
- PPP Experience in Power Distribution
- Evolution of DF model
- Policy and Regulatory Environment
- Current Scenario
- Recent Initiatives/Developments
- NEP's Recommendations on DF
- Key Players

2. DF CONTRACTS AND STRATEGIES FOR BIDDING
- Types of DF contracts
  - Collection-based
  - Input-based
  - Input-based Franchisee-Incremental Revenue Sharing
  - Input plus Investment-based
  - Others
- Key Features
- Responsibilities of Franchisee and Utility
- Advantages and Limitations
- Bidding criteria and considerations
  - SBD for IBF-IRS by MoP
  - Analysis of RFPs for appointment of DF

3. EXPERIENCE SO FAR
- Operational/Awarded Franchises
- Terminated Franchises
- Recently Awarded Franchises
- Recent Bids

4. FUTURE OUTLOOK
- Growth Drivers
- Key Success Factors
- Upcoming Opportunities
- Evolving DF Models
- Issues and Challenges

5. PROFILES OF DISTRIBUTION FRANCHISES
- Year of Award
- Area and No of Consumers Served
- Term of Franchise Validity
- Bid Details
- Key Issues and Challenges
- Current Infrastructure in DF area
- Performance Review (AT&C loss reduction, Revenue Gap, Energy deficit, Revenue Realised)
- Major Initiatives undertaken by DF

The franchises covered include:
- Bhiwandi (Torrent Power Limited)
- Nagpur (Spanco Nagpur Discom Limited)
- Agra (Torrent Power Limited)
- Muzaffarpur (Essel Vidyut Vitaran (Muzaffarpur) Limited)
- Bhagalpur (SPML Infra Limited)
- Gaya (India Power Corporation Limited)
- Kendrapara Division I & II, Jagatsinghpur, Dhenkanal, Talcher and Angul (Enzen Global Solutions Private Limited)
- Khurda, Balugaon, Puri and Nayagarh (Feedback Electricity Distribution Company Limited)
- City Electrical Division (Cuttack), Athagarh and Salipur (Riverside Utilities Private Limited)
- Nimapara (Seaside Utilities Private Limited)
- Kota, Bharatpur and Bikaner (CESC Limited)
- Ajmer (Tata Power Company Limited)
Table of Contents

1. EXECUTIVE SUMMARY

2. WIND SECTOR OVERVIEW
   - Capacity Addition Trends
   - Yearly Targets and Achievements
   - State-Wise Capacity Growth Trends
   - Key Milestones And Developments
   - Impact Of Competitive Bidding On Capacity Addition
   - Emerging Growth Drivers
   - Emerging Areas of Opportunity
   - Key Issues And Challenges

3. POLICY AND REGULATORY FRAMEWORK
   - Key Features Of Competitive Bidding Guidelines For Wind Projects
   - State-wise Competitive Bidding Policies And Guidelines
   - Renegotiation Of Older PPAs
   - Policy And Regulatory Needs And Outlook

4. EXPERIENCE OF COMPLETED WIND TENDERS
   - Bidding Processes And Overall Experience
   - Result Analysis Of SECI Tranche I To IV Tenders
   - Result Analysis Of State-Wise Tenders

5. UPCOMING WIND TENDERS
   - Key Features Of Upcoming tenders
   - Key Issues and Challenges

6. RISKS AND CHALLENGES
   - Policy And Regulatory Risks
   - Legal Challenges
   - Financing-Related Issues

7. ALTERNATIVE WIND POWER SELLING OPTIONS
   - Renewable Energy Certificates (REC)
   - Open Access
   - Sale On Power Exchanges
   - Pros And Cons For Alternative Power Sale Options

8. IMPACT ON INDUSTRY STRUCTURE
   - Trends in Market Share
   - Emerging Project Developers Landscape
   - Impact on Manufacturing Industry
   - Industry Structure post-Competitive Bidding
   - Industry Consolidation

9. CHANGING COST ECONOMICS
   - Wind Tariff Trends
   - Tariffs Determined Through Competitive Bidding
   - Average Power Purchase Cost
   - REC Price and Volume Trends
   - Return on Investment Analysis and Comparison

10. FINANCING OF COMPETITIVELY BID PROJECTS
    - Change in Project Costs Post-Competitive Bidding
    - Key Sources of Funds
    - Emerging Sources of Financing for Wind Power Developers
    - Financing Outlook

11. IMPACT ON CAPACITY ADDITION AND INVESTMENT
    - Future Growth Drivers
    - Impact on Capacity Addition Outlook
    - Impact on Investment Requirements
    - Key Risks and Challenges

The report is available in a PDF format.
EXECUTIVE SUMMARY

1. MARKET OVERVIEW
   - Size and Growth
     ● By Year
     ● By Segment
     ● By State
   - Key Stakeholders
   - Rooftop Policies and Incentives
     ● Central Level
     ● State Level
   - Growth Drivers
   - Barriers and Challenges
   - Future Outlook

2. SEGMENT-WISE ANALYSIS
   - Introduction
   - Commercial and Industrial
     ● Commercial
     ● Industrial
   - Government and Institutions
   - Residential

3. PROJECT PIPELINE
   - Tender Results: Issued by SECI and Other Agencies
   - Ongoing and Announced Tenders by Central Level Agencies
   - Ongoing and Announced Tenders by State Level Agencies

4. METERING REGULATIONS AND THEIR IMPLEMENTATION
   - Emerging Metering Arrangements
   - Implementation Experience
   - Key Features of Metering Policies across States
   - Key Issues and Challenges

5. TARIFFS, COST ECONOMICS AND BUSINESS MODELS
   - Capital cost breakdown
   - Solar Equipment Price Trends
   - Capital cost trends
   - O&M Price Trends
   - Rooftop Solar Tariffs
   - Rooftop Solar Tariffs vs. Grid tariffs
   - Project Cost Economics
     ● Project Returns
   - Business Models
     ● Developer-led Business Models
     ● Utility-led Business Models
   - Case Studies

6. IMPACT ON DISCOMS
   - Impact on Demand
   - Impact on Revenue

7. FINANCING TRENDS, INSTRUMENTS AND STRUCTURES
   - Debt and Equity Options
   - Emerging Financing Models for Rooftop Solar
   - Recent Financings
     ● Equity Deals
     ● Green, Masala and Municipal Bonds
     ● Domestic Commercial Loans/ NBFCs
     ● Funding by Government and Development Institutions
     ● Multilateral/Bilateral Financing
     ● IPOs
     ● Others
   - Risks and Challenges
   - Future Investment Requirement

8. ADDRESSABLE MARKET FOR ROOFTOP SOLAR BY 2024-25
   - Power Demand Outlook
   - Growth in Share of Rooftop Solar
   - Addressable Solar Market
     ● By Segment
     ● By State
   - Solar Demand Outlook
     ● Low Scenario
     ● Medium Scenario
     ● High Scenario

9. ROOFTOP SOLAR EQUIPMENT MARKET OUTLOOK (Up to 2024-25)
   - Modules
   - Solar Inverters
   - Mounting Structures
   - Other Key BoS equipment

10. KEY PLAYERS
    - Azure Power
    - Fourth Partner Energy
    - CleanMax Solar
    - Amplus Solar
    - Cleantech Solar
    - SunSource Energy
    - ReNew Power
    - Tata Power Solar
Open-Access for Renewables (December 2018)

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

Table of Contents

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
- Legal Terms
- 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:
  - 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 is available in a PDF format.

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Table of Contents

1. EXECUTIVE SUMMARY ..........................................

PART A - MARKET TRENDS AND OUTLOOK

2. POWER SECTOR OVERVIEW ....................................
   - Demand and Supply
   - Historical Power Analysis
   - Future Projections
   - Key Growth Drivers and Trends
   - Outlook

3. TRANSMISSION SEGMENT ANALYSIS ...........................

4. DISTRIBUTION SEGMENT ANALYSIS ...........................
   - Sector Size and Growth
   - Performance under UDAY
   - Key Recent Policy and Regulatory Reforms
   - Utility Capex Plans
   - Growth Drivers
   - Issues and Concerns

5. GOVERNMENT INITIATIVES SUPPORTING T&D EQUIPMENT MARKET ....................................
   - 24x7 Power for All
   - 175 GW Renewable Energy by 2022
   - Central and State Initiatives for Smart Metering
   - Green Energy Corridor Projects
   - Mission 41K for Rail Electrification
   - Smart Grid Initiatives and Smart Cities Mission
   - Interstate and Intra-state TBCB Opportunities
   - National Mission on E-Mobility

6. RECENT CONTRACTS AND AWARDS .............................
   - Recent Transmission And Distribution Awards
   - Announced and Upcoming Bids
   - Other Ongoing Tenders

7. EQUIPMENT MARKET OUTLOOK AND PROJECTIONS ............................
   - Key Growth Drivers
   - Network Addition Projections
   - Projected Capex of Transmission and Distribution Companies
   - T&D Equipment Market Projections
   - Projected Investments
   - Future Outlook

PART B - TRANSMISSION EQUIPMENT ANALYSIS AND PROJECTIONS (Till 2023-24)

8. SWITCHGEAR ......................................................
   - Overview
   - Technology Trends and Advances
   - Key Players
   - Projections for Substations
   - Potential for Digitalisation and Automation
   - Projections for Switchgear

9. TRANSMISSION TOWERS ........................................
   - Overview
   - Emerging Technology Trends
   - Recent Trends and Advances in Construction
   - Key Players
   - Transmission Line Length Projections
   - Projected Demand for Towers
   - Issues and Challenges

10. CABLES AND CONDUCTORS ....................................
    - Overview
    - New Technologies and Designs
    - Underground Cabling: Experience and Outlook

- Key Players
- Projected Demand for Overhead Conductors
- Projected Demand for Underground Cables
- Potential For Reconductoring and Replacement

11. POWER TRANSFORMERS ........................................
    - Overview
    - New Technologies and Advances
    - Key Players
    - Projections for Power Transformers
    - - Projected Demand for Power Transformers
    - - Issues and Challenges

12. INSULATORS .....................................................
    - Overview
    - New Technologies and Advances
    - Key Players
    - Projected Demand for Insulators

13. REACTIVE POWER EQUIPMENT .................................
    - Overview
    - Technology Trends
    - Key Players
    - Projected Additions
    - Bus Reactors
    - Line Reactors
    - Dynamic Compensation Equipment

PART C - DISTRIBUTION EQUIPMENT ANALYSIS AND PROJECTIONS (Till 2023-24)

14. DISTRIBUTION CONDUCTORS AND CABLES ......................
    - Overview, New Technologies and Advances, Utility Initiatives, Key Players, Projected Distribution Line Length Additions, Projected Demand for Cables and Conductors, Potential for Reconductoring and Replacement

15. DISTRIBUTION TRANSFORMERS ................................
    - Overview
    - New Technologies and Advances
    - Key Players
    - Projections for Distribution Transformer Capacity (till 2023-24)
    - Projected Demand for Distribution Transformers (till 2023-24)

16. DISTRIBUTION SWITCHGEAR .....................................
    - Overview
    - Recent Trends and Advances
    - Key Players
    - Projected Demand for Switchgears (till 2023-24)

17. SMART METERS ...................................................
    - Overview, Growth Drivers, Smart Meters, Prepaid Meters, Net Meters, Utility Initiatives, Projected Demand for Smart Meters (till 2023-24)

18. KEY EQUIPMENT MANUFACTURER AND SUPPLIER PROFILES ............

The report is available in a PDF format.
# Table of Contents

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 sensing 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.
1. EXECUTIVE SUMMARY

SECTION I: HT CONSUMERS MARKET

2. MARKET OVERVIEW
   - Historical Trends
     • Sale of Power to HT Consumers
     • Share of HT Consumers in Total Power Sales
     • Revenues from HT Consumers
     • Share of HT Consumers in Total Discom Revenues
     - Key Drivers
     - Outlook and Projections

3. TARIFF TRENDS
   - All-India Average HT Industrial Tariff Revisions
   - State- and Utility-wise Trends in Average Rate of Sale of Power
   - HT Tariffs as a Percentage of Average Cost of Supply
   - Year-on-Year Changes in Tariffs
   - Trends in Cross-Subsidy Surcharges for HT Industrial Consumers

4. INTER-STATE COMPARISON
   - Utility-wise Sale of Power to HT Consumers
   - Utility-wise Share of HT Consumers in Sale of Power
   - Utility-wise Revenues from HT Consumers
   - Utility-wise Share of HT Consumers in Total Revenues

SECTION II: LT CONSUMERS MARKET

5. MARKET OVERVIEW
   - Historical Trends
     • Sale of Power to LT Consumers
     • Share of LT Consumers in Total Power Sales
     • Revenues from LT Consumers
     • Share of LT Consumers in Total Discom Revenues
     - Key Drivers
     - Outlook and Projections

6. TARIFF TRENDS
   - All-India Average LT Industrial Tariff Revisions
   - State- and Utility-wise Trends in Average Rate of Sale of Power
   - Year-on-Year Changes in Tariffs

7. INTER-STATE COMPARISON
   - Utility-wise Sale of Power to LT Consumers
   - Utility-wise Share of LT consumers in Sale of Power
   - Utility-wise Revenues from LT Consumers
   - Utility-wise Share of LT consumers in Total Revenues

SECTION III: COMMERCIAL CONSUMERS MARKET

8. MARKET OVERVIEW
   - Historical Trends
     • Sale of Power to Commercial Consumers
     • Share of Commercial Consumers in Total Power Sales
     • Revenues from Commercial Consumers
     • Share of Commercial Consumers in Total Discom Revenues
     - Key Drivers
     - Outlook and Projections

9. TARIFF TRENDS
   - All-India Average Commercial Industrial Tariff Revisions
   - State- and Utility-wise Trends in Average Rate of Sale of Power
   - Year-on-Year Changes in Tariffs

10. INTER-STATE COMPARISON
    - Utility-wise Sale of Power to Commercial Consumers
    - Utility-wise Share of Commercial Consumers in Sale of Power
    - Utility-wise Revenues from Commercial Consumers
    - Utility-wise Share of Commercial Consumers in Total Revenues

11. STATE-WISE DISCOM MARKET ANALYSIS
    - Andhra Pradesh
    - Assam
    - Bihar
    - Chhattisgarh
    - Delhi
    - Gujarat
    - Haryana
    - Himachal Pradesh
    - Jammu & Kashmir
    - Jharkhand
    - Karnataka
    - Kerala
    - Madhya Pradesh
    - Maharashtra
    - Meghalaya
    - Odisha
    - Punjab
    - Rajasthan
    - Tamil Nadu
    - Telangana
    - Uttarakhand
    - Uttar Pradesh
    - West Bengal

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India Infrastructure Research | 17
Power Distribution in India 2019 (February 2019)
EXECUTIVE SUMMARY

SECTION I: MARKET TRENDS AND DEVELOPMENTS

1. SECTOR SIZE AND GROWTH

2. RECENT DEVELOPMENTS

3. POLICY AND REGULATORY INITIATIVES
   - Electricity Act (Amendment) Bill, Re-Designing Ancillary Services Mechanism, Reverse Auction and E-bidding for Transmission - The Experience so Far, Draft SDB for Intra-state Transmission Projects, Planning, Coordination and Development of Economic and Efficient Inter-State Transmission System Regulations, Draft Regulations on Terms & Conditions for Tariff for the Period 2019-24, Other Key Amendments and Draft Regulations

4. PRIVATE SECTOR PARTICIPATION
   - The Experience so Far
   - Tariff-based Competitive Bidding (TBCB): Status of Projects Awarded so Far (Inter-state and intra-state), Projects under Bidding (Inter-state & intra-state), New Project Pipeline (Inter-state & intra-state)
   - Other Private Participation Models (PPP, JV, etc)
   - Key Issues and Concerns

5. TRANSMISSION TARIFFS
   - Point of Connection Methodology and Charges
   - Interstate Transmission Tariffs
   - Intra-state Transmission Tariffs

SECTION II: OUTLOOK AND PROJECTIONS (till 2023-24)

6. NETWORK GROWTH AND INVESTMENTS
   - Projected Line Length Additions, Projected Transformer Capacity Additions, Projected Additions to Substations, Expansion in Inter-regional Transfer Capacity, Investment Projections, TBCB Opportunities at Inter-state and Intra-state Levels, Key Issues and Concerns, Future Outlook

7. PROJECT PIPELINE
   - Overall Pipeline
   - Inter-state Projects: Line Length (by voltage and utility), Transformer Capacity (by voltage and utility)
   - Intra-state Projects: By Line Length (by voltage and utility), By Transformer Capacity (by voltage and utility)

8. EQUIPMENT REQUIREMENTS
   - Growth Drivers
   - Projected Demand for Equipment: Towers, Conductors, Power Transformers, Switchgears, Reactive Power Equipment

SECTION III: FINANCIAL AND OPERATIONAL PERFORMANCE OF TRANSCOS

9. ANALYSIS OF OPERATIONAL PERFORMANCE
   - Transmission Line Length, Transformer Capacity, Number of Substations, Transmission Losses, System Availability

10. ANALYSIS OF FINANCIAL PERFORMANCE

SECTION IV: KEY PROGRAMMES AND FOCUS AREAS

11. RENEWABLE ENERGY INTEGRATION PROJECTS

12. CROSS-BORDER INTERCONNECTIONS
    - Existing Interconnections: India-Bangladesh, India-Nepal, India-Bhutan
    - Ongoing Interconnection Projects
    - Interconnections under Planning
    - Issues and Challenges

13. INDIAN RAILWAY’S PLANS FOR TRANSMISSION SYSTEM DEVELOPMENT

14. PROGRESS ON DONOR AGENCY-AIDED PROJECTS
    - World Bank-funded Projects, ADB-funded Projects, Other Donor-funded Projects

SECTION V: TRANSMISSION UTILITY PROFILES

15. CENTRAL TRANSMISSION UTILITIES
    - Power Grid Corporation of India Limited, Damodar Valley Corporation, Bhakra Beas Management Board

16. STATE TRANSMISSION UTILITIES

17. PRIVATE TRANSMISSION COMPANIES

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 is available in a PDF format.
# Table of Contents

1. **EXECUTIVE SUMMARY** .................................................................

2. **SIZE AND GROWTH** .................................................................
   - Current Captive Capacity
   - Growth in the Past Five Years
   - Recent and Emerging Trends
   - Issues and Challenges
   - Growth Drivers for the Captive Power Market
   - Future Outlook

3. **IMPACT OF POLICY AND REGULATORY DEVELOPMENTS** ............
   - Draft Amendment to Electricity Rules, 2005
   - Coal-related Policy Developments
   - Draft Amendments to Tariff Policy, 2016
   - Draft Electricity (Amendment) Act, 2018
   - MoP’s Order on RPO of CPPs
   - Policy updates for biomass-based cogeneration projects
   - State-wise Orders for CPPs
   - Developments related to Discom Health

4. **ANALYSIS OF EXISTING CAPTIVE POWER CAPACITY (RANGING FROM 1 MW TO OVER 100 MW)** ............................................................
   - Estimated Captive Capacity
   - Analysis of Existing Captive Capacity: By Size; By Fuel (Coal, Lignite, Petcoke, Natural Gas, Bagasse, Solar, Wind, Waste-heat Recovery, Liquid Fuels, Biomass, Mixed Fuels, etc.); By Industry (Metals and Minerals, Sugar, Cement, Petrochemicals, Chemicals, Textiles, Engineering, Pulp and Paper, Fertilisers, Institutional Users, Group Captives, etc.); By State

5. **TARIFF TRENDS** .................................................................
   - Overview, HT Industrial Tariff Trends, LT Industrial Tariff Trends, Commercial Tariff Trends, State-wise Tariff Revisions, Cross-subsidisation Trends, Outlook for Grid Power Tariffs

6. **OPEN ACCESS POLICY AND CHANGES** ........................................
   - Current Status
   - OA Policy and Regulatory Scenario in Key States
   - Trends in OA Charges
   - Issues and Challenges for OA
   - Policy Outlook

7. **CAPTIVE POWER CAPACITY PROJECTIONS** .....................................
   - Macro-economic Growth Outlook
   - Upcoming Captive Capacity
   - Distribution of Upcoming Capacity (by Fuel, Industry, State, Status of Implementation)
   - Issues and Concerns

8. **FOCUS ON RENEWABLE POWER BASED CPPS** ..............................
   - Growth in Renewables-based CPP Capacity
   - RPO Regulations for CPPs
   - Key Players and Leading States
   - Policy and Regulatory Incentives
   - Proposed Renewables-based Captive Projects
   - Issues and concerns

9. **GRID POWER RELIABILITY** ......................................................
   - Power Quality Problems for Industrial Consumers
   - State-wise Power Quality Parameters (Outages, Frequency of Power Cuts, etc.)
   - Discom-wise Power Reliability
   - Policy and Regulatory Initiatives
   - Outlook

10. **POWER PLANT COST ANALYSIS** ....................................................
    - Gas-based CPPs (Capex and Opex)
    - Coal-based CPPs (Capex and Opex)
    - Liquid Fuels-based CPPs (Capex and Opex)
    - Renewable energy-based CPPs (Capex and Tariffs)

11. **FUEL OUTLOOK** .................................................................
    - Coal: Demand and Offtake Trends, Production and Import Trends, Domestic Price Trends, International Price Trends, Supply Outlook, E-Auctions
    - Gas: Consumption, Supply and Offtake Trends, Domestic Gas Prices, LNG Imports and Prices, Supply Outlook
    - Liquid Fuels: Consumption Trends, Current Production Trends, Prices, Outlook

12. **FOCUS ON GROUP CAPTIVES** ......................................................
    - Overview and Current Regulatory Framework
    - Impact of Draft Rules on Group Captives
    - Major Players
    - Analysis of Existing Group Captive Capacity
    - Issues and Concerns
    - Future Outlook

13. **EMISSION STANDARDS FOR CPPs** ..............................................
    - Current Air and Water Pollution Norms
    - Timelines for Implementation
    - Impacted Capacity
    - Technology Options for Meeting Norms
    - Issues and Concerns

14. **POWER TRADING OPTIONS AND OPPORTUNITIES** ..........................
    - Power Sale Options
    - Overview of Short-term Power Market
    - Key Segments
    - Volume and Price Trends at the Power Exchanges
    - Volume and Price Trends in Bilateral Trade
    - Trading Mechanism
    - Industrial Consumer Participation Trends
    - REC Market Trends
    - Key Challenges

15. **DATABASE OF EXISTING PLANTS** ..............................................
    The most comprehensive database covering over 2,800 captive power plants with information on owner, capacity, location and fuel type. We will also be providing the contact details of captive power plants on a best-efforts basis.

    *CPPs from the following Industries would be covered:
    - Metals and Minerals
    - Cement
    - Petrochemicals and Refineries
    - Chemicals
    - Textiles
    - Engineering
    - Pulp and Paper
    - Fertilisers
    - Sugar
    - Institutional Users
    - Group Captive
    - Etc.
EXECUTIVE SUMMARY

SECTION I: MARKET OVERVIEW AND RECENT DEVELOPMENTS

1. SECTOR SIZE AND GROWTH
   - All India Installed Capacity and Generation, Coal-based Installed Capacity, Analysis of Existing Capacity, By Sector, Location, Size of Units, Type of Coal, Trends in Generation, Trends in PLF

2. RECENT POLICY AND REGULATORY INITIATIVES
   - Terms and Conditions of Tariff Regulations, 2019; Methodology for the Rationalisation of Coal Linkages for IPPs; Recommendations of the High Level Empowered Committee; Pilot scheme for procurement of aggregate-medium term power (Phase-I and II updates); MoP directives on tariff pass-through; CERC's change-in-law ruling for emission control equipment installation; Ruling on Compensatory Tariff, Draft Rules for Captive Power Plants; Update on SHAKTI; Update on Retirement of Old Units; Commercial Coal Mining; Captive Coal Block Update; Recent Cabinet Approvals; Other developments

3. UPDATE ON STRESSED ASSETS
   - Stressed Coal-based Projects, Key Reasons Causing Stress, Measures to Revive Stressed Assets, Recent Acquisitions and Deals under Discussions, Current Stance of Investors, Buyers of Stressed Assets, Challenges and Workable Solutions

4. FLEXIBLE OPERATIONS: STRATEGIES, IMPACT AND CHALLENGES
   - Need for Flexibility, Load Pattern Analysis and Forecast, Flexible Generation Options for Coal-based Plants, Equipment Modifications to Enhance Flexibility, Cost Implications, The Experience So Far, Key Issues and Challenges, Future Outlook

5. EMISSIONS CONTROL: CURRENT STATUS, TIMELINES AND COSTS

6. IMPACT OF RENEWABLES AND ROLE IN LOAD BALANCING

SECTION II: PLANT PROFILE AND OPERATING PERFORMANCE

7. ANALYSIS OF OPERATIONAL PLANTS
   - Size of Plants and Units, State-wise and Sector-wise profile, Subcritical and Supercritical Units, Age of Units, Boiler and Turbine Makes, PLF Trends, Heat Rate Trend, Auxiliary Consumption trends, Operating Availability and Specific Coal Consumption

8. RENOVATION AND MODERNISATION
   - Age Profile of Thermal Units, Key Drivers, The Experience So Far, R&M Programme: 2017-22, Potential Plants for R&M, Potential Plants for Closure, Issues and Challenges

SECTION III: COAL SUPPLY, PRICES AND OUTLOOK

9. COAL DEMAND AND SUPPLY SCENARIO
   - Coal Reserves, Coal Production and Demand, Coal Demand from Thermal Power Plants, Captive Production and Sales, Trends in Coal Imports, Availability of Coal with Power Plants, Projections for Coal Demand and Supply

10. TRENDS IN COAL PROCUREMENT
    - Source Comparison, Update on Coal Linkages, E-auction Volume & Price Trends, Captive Volume & Trends, Imported Volume & Trends

11. COAL PRICES
    - Domestic Coal Prices, E-Auction Prices, Global Price Trend, Pricing Outlook

12. COAL QUALITY
    - Need for Coal Washing, Benefits of using Washed coal, Existing Coal Washing Capacity, Upcoming Coal Washing Capacity, Issues and Challenges

13. COAL TRANSPORTATION
    - Share of various Modes of Coal Transportation, Trends in Rail Freight Costs, Trends in Indian Railways’ Coal Loading, Rail projects for Coal Evacuation, Ports Capacity for Handling Coal, Upcoming Railways and Ports Capacity, Key Issues and Challenges

SECTION IV: COSTS AND TARIFFS

14. TARIFFS AND PRICES

SECTION V: MARKET OUTLOOK AND OPPORTUNITIES

15. NEW PROJECT PIPELINE

16. FUTURE OUTLOOK
    - Capacity Addition, Power Demand and Procurement, Fuel Supply, Capacity Utilisation and PLFs, Generation Tariffs, Stressed Assets, Emission Norms Compliance

17. MARKET OPPORTUNITIES FOR TECHNOLOGY PROVIDERS
    - BTG and BoP Equipment, FGD Systems, ESP Upgradation, Water Management Systems, Control and Instrumentation (C&I) Systems

SECTION VI: PROFILES OF COAL-BASED POWER PRODUCERS

18. CENTRAL SECTOR PLAYERS
    - NTPC Limited, Damodar Valley Corporation, NLC India Limited

19. PRIVATE SECTOR PLAYERS

The report is available in a PDF format.
Hydro Power Market in India 2019 (May 2019)
Market Analysis and Developments; Changing Role in Energy Mix and Future Outlook

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

Table of Contents

1. EXECUTIVE SUMMARY
2. SECTOR SIZE AND GROWTH
   - Hydro Power Potential and Development: Basin-wise, Region-wise
   - Installed Capacity Addition Trends
   - Capacity Growth vis-a-vis Other Sources
   - Sector and Utility-wise Additions
   - Major State Initiatives
   - Hydro Power Generation Trends
   - Share of Hydro in Electricity Mix
   - Key Barriers to Developments
3. POLICY DEVELOPMENTS AND EXPECTED IMPACT
   - Update on the New Hydro Power Policy: Hydro Power as Part of Renewables, Hydro Bailout Package
   - CERC Order on Hydro as FRAS
   - Amendments in Himachal Pradesh Hydro Policy
   - Update on Hydro Plants in Uttarakhand
   - Update on Basin-wise Hydro Potential Review
   - Other Key Developments
4. PLANT PERFORMANCE ANALYSIS
   - By Project Size; By Player; By Equipment Make; Historical Trends in Generation; Target vs Actual Generation; Inter-plant Comparison; Plant Availability Factor Analysis; Trends in Outages; Renovation and Modernisation
5. ANALYSIS OF DELAYED/STALL CAPACITY
   - Current Stalled Capacity
   - Key Reasons for Slippages
   - Time and Cost Overruns
   - Mitigation Strategies and Policy Support Required
6. UPCOMING PROJECT PIPELINE
   - Projects under Construction
   - Projects under Planning, Survey and Investigation
   - Stalled Projects
   - Analysis of Upcoming Hydro Capacity: By Year of Commissioning, Ownership, Unit Size, Location, Equipment-make, Type
7. OUTLOOK AND PROJECTIONS (till 2024)
   - Installed Capacity Projections; Costs and Tariff Outlook; Policy and Regulatory Outlook; Equipment Projections; Projected Return Analysis; Risks and Challenges; Market Opportunities for Key Stakeholders
8. FUTURE ROLE OF HYDRO POWER IN LOAD BALANCING AND ANCILLARY SERVICES
   - Hydro Plants under FRAS
   - Improvements in Flexing of Hydro Power Plants
   - Balancing Requirements for Renewable Integration
   - Projected Role of Hydro Power in Load Balancing
   - Impact on Coal-based Load Balancing
   - Role of Hydro in Ancillary Services
   - Key Challenges
   - Solutions and the Way Forward
9. FOCUS ON PUMPED HYDRO STORAGE SEGMENT
   - Existing Capacity
   - Status of Under Construction Plants
   - Cost Comparison with Other Storage Technologies
   - Measures to Incentivise Pumped Storage
   - Project Pipeline
   - Global Best Practices
   - Key Issues and Concerns
10. STATUS AND POTENTIAL FOR SMALL HYDRO POWER
    - Capacity Size and Growth; Policy Support; State Initiatives; Costs and Tariffs; Key Issues and Challenges; Future Outlook
11. CROSS-BORDER INITIATIVES
    - Existing Power Ties
    - Update on the Bhutan-Bangladesh-India-Nepal Power MoU
    - Status of Upcoming Projects in Nepal
    - Status of Upcoming Projects in Bhutan
    - Existing and Proposed Transmission Interconnections
12. FINANCING AND STRESSED ASSETS
    - Key Funding Sources
    - Current Stance of Lenders/Investors
    - Recent Financings/M&A Deals
    - Current Status and Cost Overruns of Stressed Assets
    - Measures to Revive Stressed Assets
    - Expected Haircuts by Banks
    - Incentives to Improve Financial Viability
    - Innovative Funding Mechanisms
    - Investment Needs and Requirements
    - Key Challenges
13. COSTS, TARIFFS AND VIABILITY
    - Key Factors Impacting Costs; Project Cost Trends; Trends in Tariffs; Return Analysis of Hydro Projects; Proposed Changes in Tariff Norms; Key Issues and Concerns
14. PROFILES OF KEY DEVELOPERS
    - Central Sector: BBMB, NHPC, SJVNL, NHDC, THDC, NEEPCO, NTPC, DVC

Database of Key Projects
The report also provides a comprehensive excel-based dataset including the following (as of 2018-19):
- Plant-wise Installed capacity
- Plant-wise Status and Anticipated Date of Commissioning of Under Construction Projects
- Status of Stalled Projects
- Projects under Survey and Investigation
- Projects under Renovation and Modernisation
- Plant-wise Generation Performance

The report is available in a PDF format.
<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Subsections</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>EXECUTIVE SUMMARY</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>OVERVIEW</td>
<td>Introduction, Biomass Potential, Size and Growth, Inter-state Comparison, Growth Drivers, Issues and Challenges, Emerging Trends, Conclusion</td>
</tr>
<tr>
<td>4.</td>
<td>FUEL SUPPLY AND LOGISTICS</td>
<td>Introduction, Current Scenario, Fuel Price Trends, Evolving Fuel Management Strategies, Conclusion</td>
</tr>
<tr>
<td>5.</td>
<td>COST ECONOMICS AND TARIFFS</td>
<td>Introduction, Cost Components, Indicative Capital Cost of Existing Plants, Biomass Energy Tariffs, Incentive Options Driving Project Economics, Conclusion</td>
</tr>
<tr>
<td>6.</td>
<td>EQUIPMENT AND TECHNOLOGY</td>
<td>Introduction, Key Technologies, Key Equipment, Market Overview, Issues and the Way Forward</td>
</tr>
<tr>
<td>7.</td>
<td>FINANCING</td>
<td>Introduction, Size and Growth, Sources of Funding, Equity Financing, Debt Financing, External Financing, Issues and Challenges, Future Outlook</td>
</tr>
<tr>
<td>8.</td>
<td>OFF-GRID BIOMASS</td>
<td>Introduction, Size and Growth, Growth Drivers, Government Initiatives and Programmes, Biomass-based Microgrids, Conclusion</td>
</tr>
<tr>
<td>9.</td>
<td>FUTURE OUTLOOK</td>
<td>Introduction, Future Growth Drivers, Capacity Addition Outlook, Investment and Financing Outlook, Emerging Policy and Regulatory Framework, Conclusion</td>
</tr>
<tr>
<td>10.</td>
<td>PROJECT PROFILES</td>
<td>Rake Power Limited’s 10 MW Project in Nagpur, Usher Eco Power’s 16 MW Cogen Plant in Mathura, ASET’s 1.2 MW Gasification-Based Plant in Vadodara, MPPPL’s 4.5 MW Plant in Kurusavali, Malwa Power’s 7.5 MW Plant in Muktsar, DEE Development’s 8 MW Plant in Fazilka, PBPL’s 12 MW Plant in Patiala, SWVPL’s 9.9 MW Project in Mohindergarh, Auro Mira’s 7.5 MW Plant in Pudukottai, KPTL’s 7.8 MW Plant in Ganganagar, Greenko’s 8 MW ISA Power Project in Dhantari, STPPPL’s 6 MW Plant in Bhopal, RRREL’s 18 MW Plant in Fazilka, MUUL’s 7.5 MW Plant in Raipur, Suryachakra Global’s 9.8 MW Plant in Janjgir, Abellon’s 9.9 MW Plant in Khas, GAPPS Power’s 13 MW Plant in Shendra, OGPL’s 10 MW Plant in Narsimhapur, Chambal Power’s 7.5 MW Project in Kota, A.A. Energy’s 10 MW Project in Gadchiroli</td>
</tr>
<tr>
<td>12.</td>
<td>APPENDIX</td>
<td>The report is available along with a presentation in PDF format.</td>
</tr>
</tbody>
</table>
# Table of Contents

## SECTION A: OVERALL MARKET SCENARIO AND OUTLOOK

1. **SECTOR OVERVIEW**  
   - Size and Growth, Key Growth Enablers, Industry Structure, Existing and Emerging Sub-segments, Investment and Financing, Policy and Regulations, Costs & Tariffs, Issues & Challenges, Future Roadmap

2. **RECENT DEVELOPMENTS**  
   - Recent Capacity Addition Trends, Emerging State Order, Emerging Cost and Tariff Trends, Recent Policies and Regulations, Recent Financing Trends, New Opportunities

3. **GRID INTEGRATION AND POWER EVACUATION**  
   - Current Scenario, Update on Green Energy Corridors, State-wise Transmission Infrastructure Development Plans, Financing Requirements, Key Issues & Challenges, Emerging Technology Solutions

4. **INVESTMENT AND FINANCING**  
   - Investment Trends, Financing Options, Sources of Financing, Emerging Financial Instruments, Investment Requirements

5. **DOMESTIC MANUFACTURING**  

6. **FUTURE OUTLOOK AND PROJECTIONS**  
   - Capacity Addition, Policy and Regulations, RPO Trajectory, Domestic Manufacturing, Costs and Tariffs, Solar Capacity Addition Projections, Equipment Outlook, Investment and Financing Outlook

## SECTION B: UTILITY SCALE MARKET

7. **CAPACITY GROWTH TRENDS**  
   - Size and Growth, Recent Capacity Additions, Key Growth Drivers, Capacity Allocations, Issues & Concerns, Outlook and Way Forward

8. **POLICY AND REGULATORY SCENARIO**  
   - Introduction, Key Policies, Key Regulations, Open Access Policy, Solar RPO Trajectory, Solar RPO Compliance, Solar REC Trends, Key Challenges

9. **SOLAR PARKS**  
   - MNRE’s Solar Park Policy, Solar Park Charges, Key Features of Existing Solar Parks, Key Features of Approved Parks, Recent and Upcoming Tenders

10. **SOLAR HYBRIDS AND ENERGY STORAGE**  
    - Solar-wind Hybrids: Estimated Potential, Key Policy Features, Pilot Projects, Key Issues and Challenges  

11. **STATE INITIATIVES**  
    - Andhra Pradesh, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Punjab, Rajasthan, Tamil Nadu, Telangana, Uttar Pradesh

12. **COST ECONOMICS AND TARIFF TRENDS**  
    - Cost of Generation, CERC-determined Tariffs, Capital Cost Breakdown, Tender-wise Analysis of Tariffs Realised, Future Outlook

## SECTION C: ROOFTOP MARKET

13. **ROOFTOP SEGMENT OVERVIEW**  
    - MNRE’s Plans and Targets, Potential and Growth, Size and Growth, Emerging Trends, Ongoing Tenders, Recent Projects, Key Players, Key Growth Drivers, Issues & Concerns, Outlook & The Way Forward

14. **POLICY AND REGULATORY SCENARIO**  

15. **SECI’S ROOFTOP PROGRAMME**  
    - Introduction, Implementation Model and Allocations, Snapshot of Results for Key Allocated Tender, Summary of Phase V Rooftop Tender - 500 MW, Upcoming 500 MW Rooftop Tender, Achievement-linked Incentives Scheme, Key Vendors, Key Issues and Challenges

16. **COST ECONOMICS AND TARIFF TRENDS**  
    - Cost of Generation, Capital Cost Breakdown, SERC-determined Tariffs, Tender-wise Analysis of Tariffs Realised, Future Outlook

## SECTION D: DECENTRALISED MARKET

17. **MICROGRIDS**  
    - Overview, Key Players, Issues and Challenges, Emerging Best Practices, Case Studies

18. **SOLAR PUMPSETS**  

19. **OTHER OFF-GRID MARKET SEGMENTS**  
    - Introduction, Solar Water Heaters, Solar Cooking, Solar Lighting  
    - Solar Cooling  
    - Telecom Towers

## SECTION E: SOLAR POWER EQUIPMENT

20. **EQUIPMENT MARKET OVERVIEW**  
    - Current Size by Equipment: Modules, Inverters, Mounting Structures and Trackers, Cables, Connectors and Junction Boxes  
    - Cost Structure  
    - Current Demand versus Supply  
    - Key Players and Market Shares  
    - Price Trends

21. **EQUIPMENT OUTLOOK AND KEY PROJECTIONS**  
    - MNRE’s Targets for Solar Power Capacity  
    - Projections for Solar Power Capacity Addition  
    - Demand Projections by Segment (2017-22): Utility-scale, Rooftop  
    - Demand Outlook by Equipment (2017-22): Modules, Inverters, Mounting Structures, Trackers

The report is available in a PDF format.
# Wind Power in India 2017 (August 2017)

## Table of Contents

### 1. EXECUTIVE SUMMARY

### SECTION A: SECTOR ANALYSIS, RECENT DEVELOPMENTS AND OUTLOOK

#### 2. OVERVIEW
- Emerging Power Mix
- Wind Power Potential
- Size and Growth
- Capacity Addition Trends: By State, Year, Players
- Growth Drivers
- Recent Developments
- Issues and Challenges
- Investment Plans and Outlook (till 2021-22)

#### 3. CHANGING MARKET DYNAMICS
- Key Players and their Capacity: IPPs, Equipment Vendors
- Year-wise Trends in Market Shares
- Ongoing Market Consolidation
- Key M&A Deals
- Entry of New Players
- Future Outlook

#### 4. COMPETITIVE BIDDING
- Key Features of MNRE’s Competitive Bidding Guidelines
- Impact Analysis of Competitive Bidding
- Analysis of SECI’s 1 GW Tender Result
- State-wise Update on Competitive Bidding
- Upcoming Tenders
- Future Outlook

#### 5. POLICY AND REGULATORY ROUND-UP
- Key Policy Initiatives
- Update on AD and GBI
- Highlights of Draft Renewable Energy Act
- State-wise Open Access Policy
- State-wise Feed-in Tariffs
- Non-Solar RPOs: National Trajectory, State-wise Trajectory, State-wise Compliance, State-wise Action
- Amendments in REC Mechanism
- REC Market Trends (market clearing price & volume, & participants)
- Upcoming Policies and Regulations

#### 6. COST AND FINANCING
- Cost Economics: FIT-based Projects, REC-based Projects, Captive/Group Captive
- Risk-Return Analysis
- Recent Financings: Bond Market, Debt Deals, Equity Transactions (project equity, PE/VC, etc.)
- Emerging Financing Instruments: Green/Masala Bonds, InvITs, Green Infrastructure Funds, Others
- Investment Requirements (till 2022)

#### 7. GRID INTEGRATION AND PLANNING
- Grid Requirements for Renewables
- Update on Green Energy Corridors
- State-wise Transmission Plans
- Forecasting, Scheduling and Deviation Settlement Mechanism
  - Key Features
  - State-wise Implementation Status
- Power System Development Fund Regulations
- Update on REMCs
- Key Issues and Challenges

#### 8. EQUIPMENT AND TECHNOLOGY MARKET
- Current Production Capacity
- Player-wise Analysis: Production Capacity, Rated Capacity, Turbine Class and Make
- Support Mechanisms for Domestic Manufacturing: Make in India, Focus on Localisation, Export Promotions, Exemptions on Imported Duty, SEZ Benefits
- Technology Trends: Towers and Blades, Drives and Motors
- Key Challenges
- Future Procurement and Upgradation Plans

#### 9. OUTLOOK AND OPPORTUNITIES (TILL 2021-22)
- Government Plans and Targets
- Plans of Major Players: IPPs, Captive Power Producers, Equipment Vendors
- Project Pipeline
- Emerging Opportunities: Repowering, Wind-Solar Hybrids, Offshore Wind
- Policy and Regulatory Outlook

#### 10. IMPACT OF GST
- Highlights of the GST Framework
- Likely Impact on IPPs
- Likely Impact on Equipment Manufacturers
- Key Unaddressed Issues
- Outlook

### SECTION B: EMERGING AREAS OF OPPORTUNITY

#### 11. ENERGY STORAGE
- Pilot Projects
- Technology Options
- Cost Economics
- Issues and Challenges
- Global Experience
- Outlook

#### 12. WIND-SOLAR HYBRIDS
- Estimated Potential
- Key Policy Features
- Pilot Projects
- Key Issues and Challenges

#### 13. WIND REPOWERING
- Estimated Potential
- Key Policy Features
- Pilot Projects
- Key Issues and Challenges

#### 14. OFFSHORE WIND
- Key Policy Features
- Government Initiatives
- Key Issues and Challenges
- Global Trends

### SECTION C: DATABASE OF EXISTING WIND POWER PLANTS

(This includes information on owner, project capacity, location, turbine make, rated capacity, year of commissioning, etc.)
Table of Contents

1. SOLAR POWER SECTOR OVERVIEW  
   - Size and Growth
     - By State
     - By Programmes/Schemes
     - By Technology
     - Key Growth Drivers
   - Emerging Market Structure
   - Recent Developments
     - Capacity Recently Allocated
     - Capacity Planned to be Allocated
     - Policy and Regulatory Updates
     - Tariff Trends
     - Assessment of Key Challenges
     - Future Outlook

2. REVIEW OF SOLAR PLANT PERFORMANCE (2012-2017)  
   - Key Demographics
   - Overall Performance Trends
     - Year-wise Performance
     - Project Size-wise Performance
     - State-wise Performance
     - Technology-wise Performance
     - Developer Type-wise Performance

3. PLANT PERFORMANCE BY YEAR OF COMMISSIONING (2012-2017)  
   - Year-wise Distribution of Plants Tracked
   - Annual Trends in Generation/Net Exported Power
   - Annual Trends in CUF
   - Seasonality Trends

4. PLANT PERFORMANCE BY STATE (2012-2017)  
   - State-wise Distribution of Plants Tracked
   - Interstate Comparison
     - Annual Trends
     - Seasonality Trends
   - Intra-state Comparison
     - Annual Trends
     - Seasonality Trends

5. PERFORMANCE BY PLANT SIZE (2012-2017)  
   - Size-wise Distribution of Plants Tracked
   - Comparative Performance Analysis
     - < 5 MW
     - 5-10 MW
     - 10-20 MW
     - 20-50 MW
     - 50-100 MW
     - > 100 MW

6. PLANT PERFORMANCE BY TECHNOLOGY (2012-2017)  
   - Technology-wise Distribution of Plants Tracked
   - Comparative Performance Analysis
     - Crystalline Silicon
     - Thin Film

7. PLANT PERFORMANCE BY DEVELOPER TYPE (2012-2017)  
   - Share of Projects Tracked by Developer Type

8. PLANT PERFORMANCE BY KEY DEVELOPERS (2012-2017)  
   - Current Market Share of Key Developers
   - Share of Key Developers in Plants Tracked
   - Comparative Performance Analysis

9. PLANT PERFORMANCE BY KEY MODULE MANUFACTURERS (2012-2017)  
   - Current Market Share of Key Module Manufacturers
   - Share of Key Module Manufacturers in Plants Tracked
   - Comparative Performance Analysis

10. PLANT PERFORMANCE BY KEY EPC CONTRACTORS (2012-2017)  
    - Current Market Share of Key EPC Contractors
    - Share of Key EPC Contractors in Plants Tracked
    - Comparative Performance Analysis

11. PLANT PERFORMANCE BY KEY INVERTER MANUFACTURERS (2012-2017)  
    - Current Market Share of Key Inverter Manufacturers
    - Share of Key Inverter Manufacturers in Plants Tracked
    - Comparative Performance Analysis

12. CASE STUDIES  
    (This includes 10-12 case studies of operational solar projects covering details related to technology, vendors, performance analysis, location, plant size, implementation challenges, tariff, scheme, operational challenges, O&M practices, etc.)

13. DATABASE OF PLANTS TRACKED  
    (The database includes month-wise power generation, developer, location, size, EPC contractor, etc.)

The report is available in a PDF format.
### Table of Contents

**SECTION A: EMERGING POWER SCENARIO IN AFRICA**

1. **CURRENT POWER SCENARIO**
   - Current Status
   - Energy Mix
   - Resource Availability and Potential
   - Key Issues and Challenges
   - Outlook and Opportunities

2. **RENEWABLE ENERGY TRENDS AND OUTLOOK**
   - Size and Growth
   - Segment-wise Share
   - LCoE Trends
   - Inter-country Analysis of Policy and Institutional Framework
   - Key Growth Drivers
   - Issues and Challenges
   - Emerging Opportunities
   - Sector Outlook

3. **HYDROPOWER**
   - Overview
   - Size and Growth
   - Hydropower Targets
   - Cost and Tariff Trends
   - Key Upcoming Projects
   - Market Opportunities
   - Key Risks and Challenges
   - Outlook and Projections

4. **SOLAR POWER**
   - Size and Growth
   - Solar Energy Targets
   - Cost and Tariff Trends
   - Key Upcoming Projects
   - Market Opportunities
   - Key Risks and Challenges
   - Outlook and Projections

5. **WIND POWER**
   - Overview
   - Size and Growth
   - Wind Power Targets
   - Cost and Tariff Trends
   - Key Upcoming Projects
   - Market Opportunities
   - Key Risks and Challenges
   - Outlook and Projections

6. **BIOENERGY**
   - Overview
   - Size and Growth
   - Bioenergy Targets
   - Costs and Expenses
   - Key Upcoming Projects
   - Market Opportunities
   - Key Risks and Challenges
   - Outlook and Projections

7. **DECENTRALISED OFFGRID RENEWABLES**
   - Estimated Offgrid Potential
   - Emerging Business Models
   - Case Studies
   - Market Opportunities
   - Key Risks and Challenges
   - Outlook and Projections

8. **INVESTMENT AND FINANCING**
   - Current Investment Trends
   - Funding Sources
   - Proposed Investments
   - Emerging Financial Instruments
   - Mergers and Acquisitions
   - Key Risks and Concerns
   - Investment Requirements and Outlook

**SECTION B: COUNTRY PROFILES**

This section has 30 chapters pertaining to the renewable energy scenario and outlook for 30 African countries. These include Algeria, Angola, Botswana, Cameroon, Democratic Republic of the Congo, Egypt, Ethiopia, Ghana, Guinea, Kenya, Libya, Madagascar, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Seychelles, Sierra Leone, South Africa, Sudan, Tanzania, Togo, Tunisia, Uganda, Zambia and Zimbabwe.

Each country profile provides information on:
- Economic Scenario and Demography
- Power Demand and Supply Scenario
- Resource-wise Renewable Energy Potential
- Segment-wise Size and Growth (Solar, Wind, Bioenergy, etc.)
- Key Growth Drivers
- Evolving Policy and Regulatory Scenario
- Recent Developments
- Segment-wise Cost and Tariff Trends
- Key Players and Plans
- Segment-wise Targets and Outlook
- Focus on Off-grid Renewables
- Renewable Energy Demand Outlook
- Renewable Energy Investment Outlook

The report is available in a PDF format.
## EXECUTIVE SUMMARY

1. **EV MARKET: KEY TRENDS AND PROJECTIONS**
   - Market Potential
   - Industry Structure
   - Segment-wise Status
   - Policy Direction and Programmes
   - Likely implications on various stakeholders
   - EESL’s Initiatives and Targets
   - State-wise EV Targets and Subsidies
   - EV Forecasts till 2030
   - Segment-wise Market Share Evolution
   - Growth Trajectory

2. **CHARGING INFRASTRUCTURE REQUIREMENTS**
   - Current Status
   - Regulatory Overview
   - Technology Landscape
   - Recent Initiatives
   - Power Demand Forecasts
   - Battery Demand Forecasts
   - Charging Stations Forecasts

3. **REGULATORY REGIME**
   - Charging Station Guidelines
   - Licensing Norms and GST Rules
   - Charging Infrastructure in Parking Complexes
   - Financial Incentives
   - Evolving Standards and Practices

4. **EXISTING PLAYERS: RECENT DEVELOPMENTS AND PLANS**
   - Charging Infrastructure Providers
   - Battery suppliers
   - Charging Infrastructure Developers
   - Financiers
   - Auto OEMs

5. **EMERGING TARIFF TRENDS AND COMPETITIVE FUEL ANALYSIS**
   - Power Sale Options
   - Tariff Guidelines: Ministry of Power, Andhra Pradesh, Delhi, Gujarat, Madhya Pradesh, Maharashtra, Karnataka, Telangana
   - Competitive Fuel Analysis

6. **IMPACT ON DISCOMS**
   - Demand Side Impact
   - Revenue Side Impact
   - Impact on the Grid
   - Discorr’s Approach
   - The Way Forward

7. **CHARGING TECHNOLOGY OPTIONS**
   - Introduction
   - Technology Types
   - Cost Comparison
   - Key Players
   - Outlook

8. **VIABILITY AND COST ECONOMICS OF CHARGING**
   - Charger Types
   - Charging Station CAPEX Components
   - Charging Station Cost Estimate
   - Revenue Estimate
   - Return on Investment
   - Impact of Subsidies on RoI

9. **ISSUES AND CHALLENGES**
   - A Nascent Market
   - Underdeveloped Ecosystem for Charging Infrastructure
   - Regulatory Issues and Barriers
   - High Upfront Costs
   - Solutioning and Design Challenges
   - After Life Issues for Batteries

10. **PILOTS AND CASE STUDIES**
    - Nagpur pilot
    - Himachal Road Transport Corporation
    - Tata Power
    - SmartE
    - Lithium Urban Technologies
    - Excom Power Solutions
    - Magenta Power
    - Mahindra Reva and Vodafone
    - Fortum India

11. **UPCOMING CENTRES OF GROWTH AND OPPORTUNITIES**
    - Segment-wise Centres of Growth
    - State-wise Centres of Growth

12. **OUTLOOK AND OPPORTUNITIES FOR VARIOUS STAKEHOLDERS**
    - Charging Technology Providers
    - Power Utilities
    - Charging Space Providers
    - Auto OEMs
    - Renewable Energy Companies
    - Battery Manufacturers and Service Providers
    - Digital Technology Providers

13. **OPINION AND INSIGHT**
    - Policy makers:
      - Abhay Damle, Joint Secretary, Ministry of Road Transport and Highway
      - Anil Srivastava, Adviser, Transport and Director General, Development Monitoring and Evaluation Office, NITI Aayog
    - Charging Infrastructure Developers:
      - Venkatesh Dwivedi, Director (Projects), Energy Efficiency Services Limited
      - Praveer Sinha, Managing Director and CEO, Tata Power
    - Charging Infrastructure Technology Providers
      - Awadhesh Jha, Vice President Charge & Drive and Sustainability, Fortum India Private Limited
      - Maxson Lewis, Managing Director, Magenta Power
      - Neeraj Kumar Singal, Director, Sema Group
    - Automobile Manufacturers:
      - Rohit Gothi, CEO, Hero Cycles
      - Ayush Lohia, CEO, Lohia Auto Industries
      - Manu Saxena, Vice-President, Business Planning, TVS Motor Company
    - EV Consumer:
      - Nandini Maheshwari, Head-Business Development, Uber India
    - Consultant:
      - Rahul Tongia, Fellow, Brookings India

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# Logistics in India 2019

(June 2019)

### Emerging Trends, Segment Analysis, Growth Drivers and Market Opportunities

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

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## Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Section I: Market Trends, Developments and Outlook</strong></td>
<td>EXECUTIVE SUMMARY</td>
</tr>
<tr>
<td>1. Sector Overview</td>
<td>- Macroeconomic Scenario &lt;br&gt; - Size and Growth &lt;br&gt; - Trends in Logistics Performance Index &lt;br&gt; - Impact of Infrastructure Status &lt;br&gt; - Modal Transportation Mix &lt;br&gt; - Growth Drivers &lt;br&gt; - Trends and Developments &lt;br&gt; - Key Issues and Challenges &lt;br&gt; - Outlook and Projections (2019-20 to 2023-24)</td>
</tr>
<tr>
<td>2. Draft National Logistics Policy</td>
<td>- Silent Features &lt;br&gt; - Focus Areas: National Logistics Action Plan, National Logistics e-Marketplace, Data &amp; Analytics Centre, Optimisation of Modal Mix, Reduction in Logistics Costs, Model Logistics Corridors, Commodity Specific Interventions, Infrastructure Creation (MMLPs/LPs/Warehouses) &lt;br&gt; - Industry Response and Expectations &lt;br&gt; - Expected Timelines</td>
</tr>
<tr>
<td>4. Market Outlook and Projections (2019-20 to 2023-24)</td>
<td>- Policy and Regulatory Outlook &lt;br&gt; - Investment Projections &lt;br&gt; - Projections by Mode of Transportation (road, rail, ports and air): Freight Traffic, Capacity/Network Addition, Freight Rates &lt;br&gt; - Warehousing and Storage Projections: Requirements across Segments (manufacturing, consumption, EXIM), Requirements of Top Hubs/Cites, Industry-wise Warehouse/Storage Demand Projections &lt;br&gt; - Demand from End-user Industries &lt;br&gt; - Key Upcoming Projects &lt;br&gt; - Big-ticket Opportunities to Look Out For: 2019-20 and Beyond</td>
</tr>
<tr>
<td>5. Investment Experience</td>
<td>- Trends in Investment &lt;br&gt; - Key Recent Deals and Transactions: Private equity, Project equity, Mergers and Acquisitions, IPOs &lt;br&gt; - Key Successful Exits &lt;br&gt; - Historical Rates of Returns &lt;br&gt; - Upcoming Opportunities for Investors &lt;br&gt; - Expected Returns &lt;br&gt; - Investment Outlook</td>
</tr>
<tr>
<td><strong>Section II: Freight Segment: Market Analysis &amp; Opportunities</strong></td>
<td>10. Express Logistics</td>
</tr>
<tr>
<td><strong>Section III: Logistics Infrastructure: Market Analysis &amp; Opportunities</strong></td>
<td>Each of the following chapters includes: Segment Size and Growth, Policy Framework, Government Schemes and Initiatives, Major Players, Key Projections, Upcoming Projects and Opportunity Areas</td>
</tr>
<tr>
<td>11. Warehousing: Agricultural and Industrial</td>
<td></td>
</tr>
<tr>
<td>12. Logistics Parks &amp; MMLPs</td>
<td></td>
</tr>
<tr>
<td>13. Free Trade Warehousing Zones</td>
<td></td>
</tr>
<tr>
<td>14. Cold and Liquid Storages</td>
<td></td>
</tr>
<tr>
<td>15. Container Freight Stations/Inland Container Depots</td>
<td></td>
</tr>
<tr>
<td><strong>Section IV: Supply Chain Management: Market Analysis &amp; Opportunities</strong></td>
<td>Each of the following chapters covers: Market Size and Growth, Recent Trends, Demand Drivers, Major Players, Future Outlook, Demand Projections</td>
</tr>
<tr>
<td>16. Value Added Services</td>
<td></td>
</tr>
<tr>
<td>17. 3PL, 4PL and Reverse Logistics</td>
<td></td>
</tr>
<tr>
<td>18. Freight Forwarding</td>
<td></td>
</tr>
<tr>
<td>19. Inventory Management</td>
<td></td>
</tr>
<tr>
<td>20. Packaging and Labeling</td>
<td></td>
</tr>
<tr>
<td><strong>Section V: Equipment and Technology: Market Analysis &amp; Opportunities</strong></td>
<td>21. Focus on Equipment</td>
</tr>
<tr>
<td>22. Emerging Technologies &amp; Solutions</td>
<td>- The Experience So Far, Trends in Automation and Technology, Demand Drivers, Recent Advances, Future Outlook, Opportunities for Technology Providers</td>
</tr>
<tr>
<td>23. Key End-User Industries</td>
<td>- Food Processing, Pharmaceuticals, Automobiles, Electronics, Chemicals, Textiles, Engineering Goods, Brick and Mortar Retail, E-commerce, Cement, Steel, Others</td>
</tr>
<tr>
<td><strong>Section VI: Demand from User Industries</strong></td>
<td>For each of the above industries includes Size and Growth, Trends and Developments, Logistics Needs and Requirements, Industry Outlook and Issues and Challenges.</td>
</tr>
</tbody>
</table>

---

The report is available in a PDF format.
## Table of Contents

### SECTION I: MARKET ANALYSIS, OUTLOOK AND OPPORTUNITIES

1. **SECTOR OVERVIEW**

2. **RECENT DEVELOPMENTS**
   - Key Focus Areas, Recent Policy Developments, New Announcements under Make in India, Freight Segment Initiatives, Passenger Segment Initiatives, Digital Initiatives, Recent Funding Initiatives, Recent IPO issuances, Key Collaborations and JVs, Key Commissionered Projects, Key Project Announcements, New Trains and Coaches, Others

3. **FINANCING STRATEGIES AND PPP POTENTIAL**
   - Funding Sources: Budgetary Allocations, Financing Model, LIC, Others
   - Recent IPOs
   - New Revenue Streams
   - Private Sector Participation: Experience So Far, PPP Formats and Models, Key Policies and Schemes, Noteworthy PPP Projects, Select Case Studies, Upcoming Opportunities, Issues and Challenges

### SECTION II: UPCOMING PROJECTS, OPPORTUNITIES AND OUTLOOK

4. **SECTOR OUTLOOK AND MARKET OPPORTUNITIES**
   - Growth Drivers
   - Investment Outlook and Projections
   - Policy Outlook

5. **PROJECT PIPELINE ANALYSIS**
   - Overall Project Pipeline: By Stage of Development, Zone, Type of Project, Completion Period
   - Projects Awaiting Clearances/Land Acquisition
   - Top Upcoming Projects

### SECTION III: IR’S OPERATIONAL AND FINANCIAL PERFORMANCE

6. **FINANCIAL PERFORMANCE**
   - Trends in Operation Ratio
   - Trends in Capital Expenditure
   - Revenue: Earnings, Core Revenue, Non-Core Revenue
   - Revenue Surplus
   - Issues and Challenges

7. **FREIGHT TRAFFIC AND EARNINGS**
   - Monthly Traffic and Earning trends in 2018-19
   - Commodity-wise Freight Trends
   - Key Efficiency Indicators
   - Segment Outlook

8. **PASSENGER TRAFFIC AND EARNINGS**
   - Suburban and Non-suburban Traffic and Earning Analysis
   - Class-wise Traffic and Earning Analysis
   - Segment Outlook

### SECTION IV: KEY FOCUS AREAS: TARGETS, ACHIEVEMENTS AND OPPORTUNITIES

9. **DEDICATED FREIGHT CORRIDORS**
   - Corridor Routes, Progress So Far, Project Funding, Trends in Capital Expenditure, Recent Contracts, Targets and Timelines, Key Issues and Challenges, Investment Requirements, Upcoming Corridors & Opportunities

10. **HIGH SPEED RAIL**
    - High-speed Corridors
    - Progress So Far: Mumbai-Ahmedabad, Diamond Quadrilateral, Delhi-Amritsar, Chennai-Mysore

11. **STATION INFRASTRUCTURE DEVELOPMENT**
    - Current Infrastructure
    - New Models of Station Redevelopment
    - Recent Developments
    - Progress under Key Schemes/Programmes: Station Redevelopment Scheme, Adarsh Station Scheme, Others
    - Key Issues and Challenges
    - Investment Requirements
    - Upcoming Opportunities
    - Expected Timelines

12. **ENERGY Needs AND FUTURE Strategies**
    - Consumption and Expenditure Trends: Electricity, Diesel
    - Mission 41K
    - Mission Electrification
    - Initiatives to Reduce Energy Bills
    - Expansion of Transmission Network
    - New Captive Power Plants
    - Renewable Energy: Operational Capacity (Solar and Wind), UNDP-IR Initiative - 5 GW Solar Power, Key Ongoing Projects, Key Upcoming Projects, Other Initiatives and Developments
    - Issues and Challenges
    - Upcoming Opportunities and Outlook

### SECTION V: KEY SEGMENTS: ROLLING STOCK

13. **IR’S FLEET STATUS**
    - Size and Growth (Coaches, Locomotives and Wagons), Production Targets and Achievements, New Additions (High-speed and Semi-high Speed Trains), Technology Advancements, Production Plans, Zone-wise Planned Expenditure on Rolling Stock

14. **EXISTING AND UPCOMING PRODUCTION CAPACITY**
    - Existing Capacity, Production Targets versus Achievements, Capacity Utilisation Trends, Recent Developments, Upcoming Production Units

### SECTION VI: KEY SEGMENTS: CONSTRUCTION

15. **TRACKS**
    - Size and Growth, Network Expansion Targets versus Achievements, Track Electrification, Track Renewal and Repair, Recently Completed Projects, Recently Awarded Contracts, Key Ongoing Projects, Segment Outlook

16. **BRIDGES**
    - Growth in Number of Rail Bridges, ROBs/RUBs Sanctioned, ROBs/RUBs under Setu Bharatam, Technology and Design Trends, Key Completed Projects, Key Ongoing Projects, Recent Contracts, Segment Outlook

17. **RAILWAY TUNNELS**
    - Size and Growth: Overall Size, Analysis by State, Technique/Method
    - Analysis of Completed Projects
    - Analysis of Ongoing Projects
    - Analysis of Upcoming Projects
    - Key Completed Projects
    - Key Ongoing Projects
    - Key Upcoming Projects
    - Issues and Challenges
    - Segment Outlook and Projections

### SECTION VII: PROFILE OF RAILWAY PSUS

18. **KEY RAILWAY PSUS**

The report is available in a PDF format.
EXECUTIVE SUMMARY

SECTION I: MARKET ANALYSIS, OUTLOOK AND OPPORTUNITIES

1. SECTOR OVERVIEW
   - Size and Growth; Key Trends; Impact of Goods and Services Tax (GST); Investment Projections (till 2023-24); Issues & Challenges; The Way Forward

2. RECENT DEVELOPMENTS (Past 12 Months)
   - Policy Developments; Recent Government Initiatives; Ease of Doing Business and Technology Initiatives; Key Projects; Recent Funding Initiatives; MoUs/Agreements Signed; Other Developments

3. TRAFFIC AND CAPACITY PROJECTIONS
   - Growth Drivers; Traffic Outlook; Capacity Addition Plans

4. PROJECT PIPELINE ANALYSIS
   - Overall Project Pipeline Analysis; Project Pipeline Analysis; Top 50 Upcoming Projects

5. MARKET OPPORTUNITIES
   - For Developers; For EPC Contractors; For Financiers/Long-term Investors; For Technology & Equipment Providers; For Dredging Contractors; Upcoming Tenders

6. FINANCING AND PPP EXPERIENCE
   - Key Funding Sources; New Funding Options; Investment Projections; Private Sector Participation; PPP Formats and Models; Experience So Far; MCA for PPP Port Projects, 2018; Lessons Learnt from Past Projects; Upcoming PPP Projects; Issues & Challenges; The Way Forward

SECTION II: PERFORMANCE ANALYSIS OF OPERATIONAL PORTS

7. TRAFFIC TRENDS (2013-14 to 2017-18)
   - Overall Traffic Trends; Traffic Trends at Major Ports; Traffic Trends at Non-Major Ports; Monthly Traffic Trends in 2018-19; Major Ports, Non-Major Ports; Overseas versus Coastal Traffic; Analysis of Port Traffic (State-wise); Analysis by Category; Analysis by Commodity; Vessel Traffic

8. CAPACITY TRENDS (2013-14 to 2017-18)
   - Growth in Overall Cargo Handling Capacity; Cargo Handling Capacity at Major Ports; Cargo Handling Capacity at Non-Major Ports; Analysis by State; Analysis by Commodity

9. FINANCIAL AND OPERATIONAL PERFORMANCE (2013-14 to 2017-18)
   - Financial Performance of Major Ports; Analysis of Key Efficiency Indicators; Issues and Challenges

SECTION III: KEY PROGRAMMES/PROJECTS: TARGETS, ACHIEVEMENTS AND OPPORTUNITIES

10. SAGARMALA PROGRAMME
    - Programme Scope; Key Milestones; Progress So Far - Overall; Progress So Far under Component - I; Progress So Far under Component - II; Progress So Far under Component - III; Progress So Far under Component - IV; Key Completed Projects; Key Ongoing Projects; Recent Contracts; Investment Requirements and Funding; Targets and Timelines; Upcoming Opportunities

11. JAL MARG VIKAS
    - Project Scope; Project Graphical Representation; Project Investment Requirements and Funding; Progress So Far; Targets and Timelines; Key Completed Projects; Key Ongoing Projects; Future Opportunities

12. DEVELOPMENT OF NEW NATIONAL WATERWAYS
    - Overview of 106 New NWs; Progress So Far; Key Ongoing Projects; Funding Requirements; Upcoming Opportunities

13. NEW GREENFIELD PORTS (Major and Non-Major)
    - New Major Ports; New Non-Major Ports; Upcoming Opportunities

SECTION IV: KEY FOCUS AREAS

14. INLAND WATER TRANSPORT
    - Overview; Traffic Trends; Commodity Composition; Road Size of Indian Shipping Industry; Government Schemes/Initiatives; Key Trends; Growth Drivers; Key Issues and Challenges; Future Outlook

15. COASTAL SHIPPING
    - Traffic Trends; Commodity Composition; Road Size of Indian Shipping Industry; Government Schemes/Initiatives; Key Trends; Growth Drivers; Key Issues and Challenges; Future Outlook and Opportunities

16. PORT CONNECTIVITY
    - Analysis of Mode of Evacuation of Cargo (By Rail, Road, Pipeline, Conveyor and Inland Waterways); Modal Split of Inbound and Outbound Cargo; Experience so Far - Rail Port Connectivity Projects; Key Completed Projects; Key Ongoing Projects; Key Upcoming Projects; Key Issues and Challenges; Investment Requirements

17. MODERNISATION AND MECHANISATION
    - Mechanised v/s Conventional Handling at Major Ports; Current Practices; Key Technologies and Solutions Deployed; New Technology Trends and Advancements; Government Initiatives; Noteworthy Projects; Upcoming Opportunities; Impact of Sagarmala; Key Issues and Challenges; The Way Forward

18. OTHER FOCUS AREAS
    - Roll-on, Roll-off & Ro-Ro; Cruise Tourism; Shipbuilding/Ship-Repair/Dry Docks at Ports; Smart Industrial Port Cities; Post-based SEZs/Coastal Economic Zones; Industrial Clusters; Renewable Energy; LNG Terminals; Emerging Warehousing and Logistics; Requirements

SECTION V: KEY COMMODITIES: TRAFFIC ANALYSIS, EXISTING INFRASTRUCTURE AND CAPACITY ADDITION PLANS

19. COAL
    - Traffic Trends; Monthly Traffic Trends in 2018-19; Coal Handling Capacity and Utilisation; Existing Infrastructure; Planned Capacity Addition; Key Issues & Challenges; Outlook & Projections

20. IRON ORE
    - Traffic Trends; Monthly Traffic Trends in 2018-19; Iron Ore Handling Capacity and Utilisation; Existing Infrastructure; Planned Capacity Addition; Key Issues and Challenges; Outlook and Projections

21. FERTILISERS
    - Traffic Trends; Monthly Traffic Trends in 2018-19; Fertiliser and FRM Handling Capacity and Utilisation; Existing Infrastructure; Planned Capacity Addition; Key Issues and Challenges; Outlook and Projections

22. POL
    - Traffic Trends; Refineries in India; Monthly Traffic Trends in 2018-19; POL Handling Capacity and Utilisation; Existing Infrastructure; Planned Capacity Addition; Key Issues and Challenges; Outlook and Projections

23. CONTAINERS
    - Traffic Trends; Monthly Traffic Trends in 2018-19; Container Handling Capacity; Vessel Traffic; Efficiency Trends; Performance of Key Container Terminals; Existing Infrastructure - Berthing Facilities; Planned Capacity Addition; Key Issues and Challenges; Outlook and Projections

SECTION VI: OPERATIONAL PORT PROFILES

24. MAJOR PORTS
    - Deenadayal Port; Paradip Port; Jawaharlal Nehru Port Trust; Visakhapatnam Port; Mumbai Port; Kolkata Port; Chennai Port; New Mangalore Port; V.O. Chidambaranar Port; Kamarajar Port; Cochin Port; Mormugao Port

25. KEY NON-MAJOR PORTS
    - Overview; APSZL-operated Ports; Dighi Port, Maharashtra; Gangavaram Port, Andhra Pradesh; Guwahati Port, Odisha; JSW Jagah Port, Maharashtra; Kakinada Seaports, Andhra Pradesh; Karaikal Ports, Pondicherry; Krishnapatnam Port, Andhra Pradesh; Port of Pipavav, Gujarat

www.indianinfrastructure.com

India Infrastructure Research | 31

Table of Contents
Dredging in India (October 2018)

Market Analysis, New Opportunities and Outlook

Table of Contents

1. DREDGING MARKET OVERVIEW
   - Size and Growth
   - Key Trends
   - Recent Developments
   - Major Players
   - Growth Drivers
   - Issues and Challenges
   - Future Outlook

2. POLICY FRAMEWORK AND CONTRACTING PRACTICES
   - Policy Framework
   - New Dredging Guidelines
   - Impact of GST
   - Regulatory Developments
   - Disinvestment in DCI
   - Type of Contract
   - Current Contracting Practices
   - Global Best Practices

3. SEGMENT FOCUS - MAINTENANCE DREDGING
   - Size and Growth
     • Major Ports
     • Non-major Ports
     • National Waterways
     - Key Completed Projects
     - Key Ongoing Projects
     - Future Outlook

4. SEGMENT FOCUS - CAPITAL DREDGING
   - Size and Growth
     • Major Ports
     • Non-major Ports
     • National Waterways
     - Key Completed Projects
     - Key Ongoing Projects
     - Future Outlook

5. DREDGING COST ECONOMICS
   - Experience So Far
   - Factors Impacting Project Viability
   - Key Cost Components
   - Funding Sources
   - New Funding Options
   - Investment Projections (till 2024-25)

6. KEY GOVERNMENT PROGRAMMES
   This chapter will highlight the current status and upcoming opportunities under Sagarmala, Jal Marg Vikas and National Mission for Clean Ganga. Each programme covers the following information:
   - Project Scope
   - Investment Requirement
   - Progress So Far
   - Key Completed Projects
   - Key Ongoing Projects
   - Announced/Planned Projects
   - Targets and Timelines

7. MARKET OPPORTUNITIES (TILL 2024-25)
   - Under Key Schemes/Programmes
     • At the Central Level
     • By Port Authorities
     • By IWAI
     • For Key Stakeholders

8. RISKS AND CHALLENGES
   - Policy, Fiscal and Regulatory Issues
   - Contractual Issues
   - Inadequate Survey and Investigation
   - Environmental Concerns
   - Financing Issues
   - Absence of Dredger Building and Repair Facilities
   - Manpower Issues
   (This chapter includes views/perspective of key dredging companies and technology/equipment providers on the key issues and challenges affecting the implementation of dredging projects)

9. DREDGER MARKET
   - Current Size
   - Import of Dredgers
   - Market Trends
   - Advancements and New innovations
   - Indigenous Manufacturing
     • Experience So Far
     • Future Potential
     - Segment Outlook

10. OTHER EQUIPMENT REQUIREMENTS
    - Type of Equipment
    - Key Suppliers
    - Trends in Equipment Usage
    - Advancements and Developments in Technology
    - Segment outlook

11. EMERGING AREAS OF GROWTH
    - Experience So Far
    - Key Completed Projects
    - Key Ongoing Projects
    - Future Outlook

12. PROFILES OF MAJOR PLAYERS
    - Company Overview
    - Fleet Size
    - Project Portfolio (Completed and Ongoing Projects)
    - Upcoming Projects
    - Financial Performance
    - Future Plans

DATABASE OF DREDGING PROJECTS

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

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

Table of Contents

1. EXECUTIVE SUMMARY

SECTION I: MARKET OVERVIEW, TRENDS AND OUTLOOK

2. OVERVIEW
   - Macroeconomic and Trade Scenario, Size and Growth, Modal Split, Competitive Landscape, Industry Structure, Policy and Regulatory Framework, Recent Trends and Developments, Upcoming Projects and Investments, Key Issues and Challenges, Outlook and Projections (till 2022-23)

3. FUTURE OUTLOOK AND INVESTMENT OPPORTUNITIES
   - Growth Drivers; Policy and Regulatory Outlook; Union Budget 2017-18 - Announcements and Impact; Investment Requirements; Upcoming Projects (rail freight terminals, cargo/container berths at ports, cargo terminals at airports, express cargo terminals, connectivity, etc.); Market Opportunities for: Developers, Construction Contractors, Technology Providers, Equipment Suppliers, Raw Material Suppliers, Financiers/Investors

4. KEY PROJECTIONS (TILL 2022-23)
   - Growth Drivers
   - Freight Traffic Projections By Mode of Transportation (rail, ports, air, roads, and others)
   - Cargo Capacity Projections
   - Projected Freight Rates

5. IMPACT OF GST
   - Introduction to GST; Key Features; Specific Impact on: Road Transportation and Trucking Industry, Developers and Operators, Contractors, Container Train Operators, Shipping Companies, Airlines, Express Cargo Carriers, etc.; Key Challenges in Implementation

SECTION II: ANALYSIS OF KEY MODES OF TRANSPORT

6. ROADS

7. RAIL

8. PORTS

9. AIR

10. INLAND WATER TRANSPORT

11. COASTAL SHIPPING
    - Coastal Traffic at Indian Ports, Commodity Composition, Policy and Regulatory Framework, Government Schemes/Initiatives, Key Trends and Developments, Industry Structure and Key Players, Coastal Tariff at Indian Ports, Growth Drivers, Investment Requirement, Key Issues and Challenges, Outlook and Projections (till 2022-23)

SECTION III: KEY USER INDUSTRIES

12. KEY CUSTOMER SEGMENTS
    - Size and Growth
    - Key Trends and Developments
    - Market Structure and Key Players
    - Logistics Need and Requirements
    - Growth Drivers
    - Key Issues and Challenges
    - Outlook and Projections (till 2022-23)

The industries covered include brick and mortar retail, food processing, chemicals, engineering goods, textiles, electronics, pharmaceutical and automobiles

13. E-COMMERCE
    - Size and Growth
    - Key Trends and Developments
    - Logistics Need and Requirements
    - Growth Drivers
    - Key Issues and Challenges,
    - Outlook and Projections (till 2022-23)

14. EXPRESS INDUSTRY
    - Segment Size and Growth, Mail/Parcel Traffic through Modes of Transport (air, rail, etc.), Government Schemes/Initiatives, Key Trends and Developments, Pricing Trends, Industry Structure and Key Players, Logistics Need and Requirements, Growth Drivers, Key Issues and Challenges, Outlook and Projections (till 2022-23)

The report is available in a PDF format.
### Table of Contents

1. **EXECUTIVE SUMMARY** ..................................................

## SECTION I: MARKET SIZE, TRENDS AND OUTLOOK

### 2. SECTOR OVERVIEW ..................................................
- Market Size and Growth
- Industry Structure
- Policy and Regulatory Framework
- Recent Trends and Developments
- Major Warehousing Hubs
- Upcoming Projects and Investment
- International Trade

### 3. FUTURE OUTLOOK AND MARKET OPPORTUNITIES (TILL 2022-23) ....
- Growth Drivers
- Policy and Regulatory Outlook
- Union Budget 2017-18 - Announcements and Impact
- Investment Requirements
- Upcoming Projects and Investment
- Market Opportunities for: Construction Contractors, Material Suppliers, Technology Providers, Equipment Suppliers, Others

### 4. WAREHOUSING DEMAND PROJECTIONS (TILL 2022-23) ...........
- Demand Drivers
- Warehousing/Storage Requirements across Segments: Manufacturing, Consumption, EXIM
- Industry-wise Demand Projections
- Warehousing Requirements of Top Hubs/Cities

### 5. IMPACT OF GST ..........................................................
- Introduction to GST
- Key Features
- Overall Impact on: Cost of Operations, Consolidation, Demand Planning and Inventory Management, Technology Implementation, Others
- Impact on Specific Segments: Agriculture warehousing, Industrial warehousing, ICDs & CFSs, Cold Storages, Logistics Parks, FTWZs
- Impact on Key Stakeholders: Contractors, Equipment and Technology Providers, Material Suppliers
- Challenges in Implementation

## SECTION II: SEGMENT ANALYSIS AND OUTLOOK

### 6. AGRICULTURE WAREHOUSING ......................................
- Size and Growth, Government Schemes/Initiatives, Key Trends and Developments, Market Structure and Key Players, Growth Drivers, Key Issues and Challenges, Outlook and Projections (till 2022-23)

### 7. INDUSTRIAL WAREHOUSING ........................................
- Size and Growth, Key Trends and Developments, Market Structure and Key Players, Growth Drivers, Key Issues and Challenges, Outlook and Projections (till 2022-23)

### 8. COLD STORAGES .........................................................
- Size and Growth, Government Schemes/Initiatives, Key Trends and Developments, Market Structure and Key Players, Growth Drivers, Key Issues and Challenges, Outlook and Projections (till 2022-23)

### 9. LIQUID STORAGE (Crude, Petroleum Products, Chemicals, etc.) ........
- Size and Growth, Key Trends and Developments, Market Structure and Key Players, Growth Drivers, Key Issues and Challenges, Outlook and Projections (till 2022-23)

### 10. CONTAINER FREIGHT STATIONS (CFSs)/Inland Container Depots (ICDs) ....................................................
- Size and Growth
- Key Trends and Developments
- Impact of Direct Port Delivery on CFSs/ICDs
- Market Structure and Key Players
- Growth Drivers
- Upcoming Projects
- Key Issues and Challenges
- Outlook and Projections (till 2022-23)

## SECTION III: EMERGING WAREHOUSING/STORAGE MODELS

### 11. LOGISTICS PARKS/MULTI-MODAL LOGISTICS PARKS ............
- Size and Growth
- Key Trends and Developments
- Market Structure and Key Players
- Growth Drivers
- Upcoming Projects and Investments
- Key Issues and Challenges
- Segment Outlook

### 12. FREE TRADE WAREHOUSING ZONES ................................
- Size and Growth, Key Trends and Developments, Market Structure and Key Players, Growth Drivers, Upcoming Projects and Investments, Key Issues and Challenges, Segment Outlook

## SECTION IV: KEY USER INDUSTRIES

### 13. MAJOR CONSUMING SEGMENTS .....................................
- Size and Growth, Key Trends and Developments, Market Structure and Key Players, Warehousing Need and Requirements, Growth Drivers, Key Issues and Challenges, Outlook and Projections (till 2022-23)

### 14. FOCUS ON E-COMMERCE .............................................
- Size and Growth, Key Trends and Developments, Warehousing Need and Requirements, Growth Drivers, Key Issues and Challenges, Outlook and Projections (till 2022-23)

## SECTION V: ANALYSIS OF TOP WAREHOUSING HUBS

### 15. KEY WAREHOUSING HUBS ...........................................
- Ahmedabad, Bengaluru, Chennai, Hyderabad, Kolkata, Mumbai, NCR-Delhi, Pune, Others

Each profile covers the industrial activity, infrastructure connectivity, warehousing clusters in the cities, growth drivers, warehousing space requirements, indicative warehouse rentals (wherever available), average land cost, expected investor returns, etc.

The report is available in a PDF format.
## EXECUTIVE SUMMARY

### SECTION I: MARKET ANALYSIS, POLICY INITIATIVES AND INVESTMENT EXPERIENCE

1. SECTOR OVERVIEW
   - Size and Growth
   - Growth Drivers
   - Key Sector Trends
   - Recent Developments: Key Government Initiatives, Project Completions, Recent Contract Awards, Projects Approved/Launched/Proposed, Digital and Green Initiatives
   - Regulatory Regime
   - Risks and Challenges
   - Future Outlook

2. PERFORMANCE OF KEY AIRPORTS: TRAFFIC & CAPACITY ANALYSIS
   - Traffic Trends, Inter-Airport Comparison, Existing Capacity, Capacity Utilisation, Recent Capacity Additions, Future Capacity Constraints, Additional Capacity Requirements by 2022-23, Potential Cities in Need for Second and Third Airports

3. VISION 2040 AND KEY POLICY INITIATIVES
   - Targets under Vision 2040: Passengers, Cargo, Airports, Aircraft, Revenue
   - Proposed Transaction Structure/Business Models
   - NCAP 2016 - Features and Impact
   - Recent Amendments in AERA Act
   - Draft MCA for Greenfield Airports
   - Air Cargo Policy
   - Drone Policy & Drone 2.0 Regulations

4. AIRPORT DEVELOPMENT UNDER NABH NIRMAN
   - Salient Features, Key Targets, Upcoming Projects, Expected Capacity Addition, Proposed NABH Nirman Fund

5. REGIONAL CONNECTIVITY SCHEME
   - Regional Connectivity Scheme (RCS)-UDAN- Scope and Progress
   - Operational Airports/Airstrips
   - Progress So Far Under: UDAN 1, UDAN 2, UDAN 3, UDAN 3.1
   - Route Cancellations
   - The Airline Experience and Issues Faced
   - Viability of Regional Operations
   - Progress under UDAN International
   - Future Plans and Targets
   - Upcoming Airports/Airstrips

6. INVESTMENT TRENDS AND EXPERIENCE
   - Investment Trends, Airport Revenues and Historical IRRs, Tariff Trends at Key Airports, Economic Regulation and Impact on Investor Interest, Emerging Sources of Investment, Opportunities for Financial Investors, Key Risks and Projected IRRs

7. POTENTIAL FOR AIRPORT PRIVATISATION
   - Progress So Far, Bidding Scenario, Expected Investments, Lender/Investor Interest in Brownfield Assets, Industry Response and Expectations, Future Potential and Plans

### SECTION II: PROJECT PIPELINE, KEY PROJECTS, AND MARKET OPPORTUNITIES (TILL 2024-25)

8. DEMAND FORECAST AND CAPACITY PROJECTIONS
   - Passenger Segment: Traffic Forecast, Projected Capacity Addition
   - Cargo Segment: Traffic Forecast, Projected Capacity Addition

9. PROJECT PIPELINE
   - By Type: Greenfield Airports, Brownfield Airports, Airstide Infrastructure (New Terminal Buildings, Parking Bays, Runways, etc.), Commercial Development, Fuels Farms, Others
   - By Mode of Implementation: EPC, PPP
   - By Stage: Ongoing, Approved, Planned

10. FUTURE OUTLOOK AND MARKET OPPORTUNITIES
    - Investment Projections
    - Market Opportunities: Developers, Contractors, Consultants, Financiers/Investors, Material Suppliers, Others
    - Sector Outlook
    - Policy and Regulatory Outlook

### SECTION III: FOCUS ON ANCILLARY SEGMENTS

11. CARGO INFRASTRUCTURE DEVELOPMENT
    - Operational Facilities: Domestic Cargo Infrastructure, International Cargo Infrastructure
    - Capacity Addition Plans
    - Planned Investments
    - Upcoming Projects and Opportunities
    - Future Outlook

12. MAINTENANCE, REPAIR AND OVERHAUL
    - Current Scenario, Demand for MRO, Upcoming projects and Opportunities, Future Outlook

13. GROUND HANDLING
    - Segment Overview, AAI’s Licensing Plans for Ground Handlers, Recent Bidding Scenario, Upcoming Opportunities, Future Outlook

### SECTION IV: EQUIPMENT AND TECHNOLOGY MARKET

14. EQUIPMENT (Communication, Navigation and Surveillance)
    - Current Infrastructure, Recent Trends and Advancements, Key Suppliers, Procurement Targets for Equipment at Airports, Investment Plans for Procurement of ANS Infrastructure, Key Growth Drivers, Upcoming Opportunities for Equipment Suppliers

15. TECHNOLOGY
    - Current Technologies in Use (terminal gates, x-ray machines, check-in counters, baggage handling, biometric access system, e-gate, etc.), Recent Trends and Advancements, Technology Plans at Key Airports, Upcoming Opportunities for Technology Providers

### SECTION V: PROJECT PROFILES

16. KEY OPERATIONAL AIRPORTS
    - Indira Gandhi International Airport (IGIA), Delhi; Chhatrapati Shivaji International Airport (CSIA), Maharashtra; Kempegowda International Airport Bengaluru (KIA), Bengaluru; Chennai International Airport (CHIA), Tamil Nadu; Netaji Subhash Chandra Bose International Airport (NISCIA), West Bengal; Rajiv Gandhi International Airport, Telangana; Cochin International Airport, Kerala; Kaziranga International Airport, Assam; Bengaluru International Airport, Karnataka; Puri Airport, Odisha; Gaya Airport, Bihar; Lucknow International Airport, Uttar Pradesh; Dehradun Airport, Uttarakhand; etc.

17. KEY UPCOMING AIRPORTS
    - Navi Mumbai Airport, Maharashtra; Mopa Airport, Goa; Igatpuri Airport, Nashik; Tadepalligudem Airport, Andhra Pradesh; Hollongi Airprot, Arunachal Pradesh; Others

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Each profile provides an overview of the airport, traffic trends, financial performance, current capacity, expected timelines, key initiatives, recent contracts; expansion plans, etc.

The report is available in a PDF format.
Table of Contents

EXECUTIVE SUMMARY  .................................................................

SECTION I: MARKET ANALYSIS, RECENT DEVELOPMENTS AND FUTURE OPPORTUNITIES  

1. SECTOR OVERVIEW AND KEY TRENDS  .......................................................  
   v Network Size and Growth, Traffic Trends, Policy and Institutional Framework, Targets and Achievements (Project Award and Completion), Key Sector Trends, Recent Developments, Investment Requirements, Issues and Challenges, Sector Outlook

2. GOVERNMENT INITIATIVES AND IMPACT OF POLICY CHANGES  
   v Key Policy Announcements and Their Impact; Steps to Fast-track Land Acquisition; Initiatives for Revival of Stalled Projects (Bank Guarantees, Exemption from GST, & Arbitration, etc); Key Initiatives: Online Portals, Road Safety & Motor Vehicles (Amendment) Bill, 2019, Wayside Amenities and Green Highways Mission, Technology Initiatives, Others; State-level Policy Developments; Proposed Policy Changes; Industry Concerns and Expectations

3. ASSET MONETISATION UNDER TOT  
   v Toll-Operate-Transfer (TOT) Model: Key Features, The Experience So Far, Proposed Amendments in the Concession Agreement, Bidding Scenario, Upcoming Bundles under TOT, Opportunities for Long-term Investors (SWFs, Pension Funds, etc.), Plans at the State Level, Risks and Challenges

4. MARKET OPPORTUNITIES UNDER BHARATMALA PARIYODJAVA  
   v Key Components and Scope, Project Awards and Completion: Economic and National Corridors, Expressways, Border Routes, Coastal Roads and Port Connectivity Roads; Feeder Routes; Balance for Award under NHDP; Investment Requirements; Future Targets; Potential for PPPs and NHDP under Bharatmala; Big-ticket EPC Opportunities

5. PROJECT PIPELINE  
   v Overall Analysis: By Mode, State, Type, Stage of Implementation
   v Profiles of 50-70 Key Upcoming Projects: National Highways, Greenfield Expressways, State Roads and Highways, Bridges/Flyovers/Elevated Roads, Road Tunnels, Others

6. FUTURE OUTLOOK AND PROJECTIONS (till 2024-25)  
   v Growth Drivers; Project Award and Completion Targets; Expected Mix of Implementation Models (HAM, EPC and BOT); Investment Projections; Policy and Investment Outlook; Opportunity by Stakeholder: Developers, EPC Contractors, Financiers, Equipment and Material Suppliers, O&M Players; Vision for the Next Five Years

SECTION II: FOCUS ON KEY IMPLEMENTATION AND O&M MODELS  

7. HYBRID ANNUITY MODEL: PROGRESS AND EXPERIENCE  
   v The Experience So Far, Trends in Financial Closures, Bidding Scenario and Competitive Intensity, Case Studies of Key Projects, Key Players and Their Portfolios, Project Award Targets and Achievements, Issues and Challenges, Outlook

8. BOT MODEL: REVIVAL STRATEGIES AND POTENTIAL  
   v The Experience So Far, Key Successes and Failures, Key Strategies for Revival of BOT, Pre-qualified Bidders for the Upcoming Bids, New Targets, Project Pipeline and Upcoming Opportunities, Key Concerns and Industry Expectations, Future Outlook

9. EPC: EXPERIENCE AND OUTLOOK  
   v The Experience So Far, Bidding Scenario and Competitive Intensity, Project Award and Completion, Project Pipeline and Upcoming Opportunities, Key Challenges, Future Outlook

10. OPERATIONS, MAINTENANCE AND TOLLING  
   v Current Scenario, Industry Experience; Progress under ETC Implementation; Key Players; Opportunities under TOT and Asset Sales; Steps Towards Timely and Periodic Maintenance; Progress under Technology Deployment: Electronic Toll Collection & Payment

SECTION III: INVESTMENT EXPERIENCE AND POTENTIAL  

11. FINANCING TRENDS  
   v Key Funding Sources; Current Stance of Investors and Lenders; Corporate Debt Crisis; Recent Deals/Transactions: Financial Closures, NHAs Bond Issuances, Market Borrowings from SBI, LIC, NIF, etc., IPOs, Others; Trends in Bank Credit Deployment; Growing Role of InvITs; Risks & Mitigation Strategies; Future Outlook

12. ASSET SALES AND ACQUISITIONS  
   v Trends in Asset Acquisitions, Current Level of Stressed Assets, Measures/Initiatives for Resolution of Stressed Assets; Key Recent Private and Project Equity Deals, Credit Ratings of Key SPVs, Deal Analysis, Valuation Scenario, Analysis by Buyers and Role of Global Investors, Recently Launched Investment Platforms, Historical and Expected Returns, Future Outlook

SECTION IV: FOCUS ON EQUIPMENT AND MATERIALS  

13. EQUIPMENT: MARKET TRENDS AND PROJECTIONS  
   v Market Size (equipment-wise), Key Equipment Used, Industry Structure, Trends in Equipment Leasing and Rental Market, Pricing Trends, Recent Developments, Outlook and Opportunities, Demand Projections (till 2024-25)

14. MATERIALS: MARKET TRENDS AND PROJECTIONS  
   v Market Size (material-wise), Key Materials Used, Pricing Trends, Industry Structure, Key Players, Recent Developments, Focus on Green Roads and New Materials, Outlook and Opportunities, Market Projections (till 2024-25)

SECTION V: PROGRESS AND OPPORTUNITIES IN STATE ROAD DEVELOPMENT  

15. PROGRESS IN THE NORTHEAST  
   v NHIDCL’s Current Portfolio, Project Award and Completion Scenario, Targets and Achievements, Upcoming Opportunities, Key Issues and Challenges

16. SNAPSHOT OF KEY STATES  
   v Network Size and Growth, Recent Policy Developments, Growth in Budgetary Outlays, Proposed Investments and Capacity Addition Plans, The PPP Experience and the Way Forward, Overall Project Pipeline, Top 15-20 States (Based on Upcoming Projects), Market Opportunities, Issues and Challenges

17. PROFILES OF KEY STATES  
   v Andhra Pradesh, Bihar, Chhattisgarh, Delhi, Gujarat, Haryana, Himachal Pradesh, Jammu & Kashmir, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Telangana, Uttar Pradesh, Uttarakhand, West Bengal Each state profile will cover road network, recent developments and project portfolio (completed, under implementation and upcoming)

SECTION VI: KEY PLAYERS  

18. PROFILES OF KEY DEVELOPERS AND CONTRACTORS  
   v Afcons Infrastructure Limited, Ashoka Buildcon Limited, Dilip Buildcon Limited, Gammon Infrastructure Projects Limited, Gayatri Projects Limited, GR Infraprojects Limited, GMR Infrastructure Limited, etc. Each profile will provide an overview of the project portfolio (completed and under construction), financial performance, recently secured contracts, future plans, strategies, etc.

The report will be available in a PDF format.

Price: Rs 110,000 (USD 2,596)
SECTION I: MARKET ANALYSIS, KEY TRENDS AND RECENT DEVELOPMENTS

EXECUTIVE SUMMARY

1. SECTOR OVERVIEW
   - Network Size and Growth; Key Sector Trends; Role of Make in India and Focus on Indigenisation; Growth in Budgetary Outlays; Recent Developments; Investment Requirements; Issues and Challenges; Future Outlook

2. METRO RAIL POLICY, 2017 - IMPACT AND CHALLENGES
   - Salient Features; Potential Benefits; Impact on PPPs; Scope for Private Participation in G&M; Potential for the Creation of Unified Metropolitan Transport Authority; Industry Feedback; Recommended Amendments

3. ANALYSIS OF OPERATIONAL PROJECTS
   - Current Network; Growth in Operational Network; Trends in Ridership; Analysis by: Mode of Implementation; Type of System; Alignment; Analysis by Segment: Stations; Rolling Stock; Fare Collection Systems; Signalling & Telecommunication Systems; Traction & E&M

4. ANALYSIS OF UPCOMING PROJECTS
   - By Status; By Mode of Implementation; By Type of System; By Alignment; By Expected Completion; Key Open Tenders

5. FUTURE OUTLOOK AND MARKET OPPORTUNITIES
   - Key Growth Drivers; Investment Projections; Expected Network Addition; Market Opportunities: By Segment; Market Opportunities: By Stakeholder; Future Outlook

6. EMERGING AREAS OF GROWTH
   - Transit-oriented Development; Real Estate/Commercial Development; Technology Innovations (Maas, IoT, Big Data, etc.); Use of Renewable Energy

7. OWNERSHIP STRUCTURE AND KEY PLAYERS
   - Key Ownership Models-A Brief Snapshot; Segment-wise Presence; Project Portfolio; Key Completed Projects; Key Ongoing Projects; Financial Performance and Future Plans

8. FINANCING STRATEGIES AND POTENTIAL FOR PPP
   - Experience So Far; Business Models (Fully Government-funded, VGF-based PPPs, Hybrid PPPs, Fully Privatised); Financing Trends; Value Capture Financing Framework; Key Sources of Revenue; New Revenue Streams (Advertising Revenue, License Fee, Real Estate Development Rights; Additional Stamp Duty, etc.); Project Economics and Cost Components; Historical and Expected Rates of Returns; PPP Experience and Potential; Way Forward

SECTION II: SEGMENT ANALYSIS, OUTLOOK AND OPPORTUNITIES

9. ROLLING STOCK
   - Market Size and Growth; Nature of Fleet and Specifications; MoHUA Guidelines on Rolling Stock Standardisation; Recent Orders; Upcoming Bids; Market Share of Key Players; Focus on Indigenous Production; Manufacturing Facilities; Level of Indigenisation; Train Operations; Driverless Train Operations- Experience So far; Upcoming Rolling Stock Opportunities; Way Forward

10. SIGNALING, TRAIN CONTROL AND TELECOMMUNICATIONS
    - Market Size and Growth; Technologies and Systems in Use; System Upgrades and Innovations; Market Share of Key Players; Recent Contracts; Upcoming Bids and Tenders; Recent Developments; Outlook and Projections

11. FARE COLLECTION SYSTEMS
    - Market Size and Growth; Specifications of system in use; System upgrades and innovations; Global scenario; Market share of key players; Recent Contracts; Upcoming tenders; Plans of key metro systems; Key trends; Recent Developments; Outlook and Projections (till 2024-25)

12. METRO TUNNELS
    - Size and Growth; Analysis of TBM Market; Market Share of Key Players; Recent Contracts (past 15-18 months); Upcoming Bids and Tenders; Recent Developments; Best Practices in Tunnel Design; Outlook and Opportunities

13. STATION AREA DEVELOPMENT AND INTER-MODAL INTEGRATION
    - Market Size and Growth; Key Components of Station Design; Key Players; Recent Contracts; Global Best Practices; Upcoming Tenders; Outlook and Projections

14. CONSTRUCTION: ELEVATED AND AT-GRADE STRUCTURES
    - Size and Growth; Per-km Construction Cost; Prevalent Methods and Techniques; Market Share of Key Contractors; Recent Contracts; Upcoming Tenders; Key Trends; Outlook and Projections

15. TRACTION AND E&M
    - Traction Systems; Market Size; Specifications of Traction and E&M; Systems; Energy Consumption and Expenditure; Energy Conservation Initiatives; Key Players; Recent Contracts; Upcoming Tenders; Outlook and Projections

SECTION III: PROJECT PROFILES

16. OPERATIONAL AND UNDER CONSTRUCTION PROJECTS
    - Ahmedabad-Gandhinagar Metro Rail Project Phase I; Bengaluru Metro Rail Project Phase I and II; Chennai Metro Rail Project Phase I and Phase I Extension; Delhi Metro Rail Project Phase I, II, III and Extensions; Rapid Metro Rail Project Gurgaon Phase I and II; Hyderabad Metro Rail Project Phase I; Jaipur Metro Rail Project Phase I; Kochi Metro Rail Project Phase I; Kolkata Metro Rail Project (North-South, East-West and Expansion Projects); Lucknow Metro Rail Project; Mumbai Metro Rail Project (Lines 1, 2A, 2B, 3, 4, 6 and 7); Mumbai Monorail Project Line I; Navi Mumbai Metro Rail Project Phase I; Noida-Greater Noida Metro Rail Project; Pune Metro Rail Project

17. UPCOMING PROJECTS (ANNOUNCED, APPROVED AND UNDER BIDDING PROJECTS)
    - Agra Metro Rail Project; Ahmedabad-Gandhinagar Metro Rail Project Phase II; Bengaluru Metro Rail Project Phase 2A, 2B and III; Bhopal Metro Rail Project Phase I; Bhubaneswar-Cuttack Metro Rail Project; Chennai Metro Rail Project Phase II; Coimbatore Metro Rail Project; Dehradun-Haridwar-Rishikesh Light Rail Project; Delhi Metro Rail Project Phase IV; Gwalior Metro Rail Project; Greater Noida - Jewar Metro Rail Project; Gurgaon-Manesar Metro Rail Project; Rapid Metro Rail Project Gurgaon Phase III; Gurgaon-Faridabad Metro Rail Project; Guwahati Metro Rail Project Phase I; Hyderabad Metro Rail Project Phase II; Indore Metro Rail Project Phase I; Jaipur Metro Rail Project Phase II; Jammu Metro Rail Project; Kanpur Metro Rail Project Phase I; Kochi Metro Rail Project Phase II and III; Meerut Metro Rail Project Phase I; Mumbai Metro Rail Project (Lines 5, 8, 9, 10, 11 and 12); Nagpur Metro Rail Project Phase II; Noida Sector 142 - Kalindi Kunj Metro Rail Project; Noida Sector 71-Knowledge Park V Metro Rail Project; Patna Metro Rail Project Phase I; Surat Metro Rail Project; Srinagar Metro Rail Project; Thane Metro Rail Project; Visakhapatnam Metro Rail Project Phase I; Kozhikode LRT Project; Pune Light Rail Project; Ranchi Light Metro Rail Project Phase I, etc.

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

#### SECTION I: MARKET OVERVIEW AND OUTLOOK

2. OVERVIEW  
- Growth in India's Bus Market  
- Current Share of Clean Buses  
- Recent Trends  
- National Electric Mobility Mission and FAME Scheme  
- Key Regulations and Incentives  
- Investment Needs and Requirements  
- Issues and Challenges  
- Future Outlook

#### 3. GROWTH DRIVERS
- Key Trends  
- Focus on Emission Control  
- Strengthening of Public Transport  
- Government’s Subsidy Scheme  
- Rising Oil Imports  
- Smart Cities Mission

#### 4. OUTLOOK AND MARKET OPPORTUNITIES
- Procurement Plans of Transport Undertakings  
- Key Upcoming Bids and Tenders  
- Future Demand Projections  
- Market Opportunities  
  - Bus Manufacturers  
  - Battery Manufacturers  
  - Other Component Suppliers

#### 5. COMPETITIVE LANDSCAPE
- Key Players (Indian and Global)  
  - Company Profile  
  - Operational Fleet of Clean Buses  
  - Future Plans  
  - Key Milestones  
  - Recent Collaborations/JV/Technology Partner  
- Current Market Shares

#### SECTION II: SEGMENT FOCUS

6. HYBRID BUS MARKET
- Types of Hybrid Buses  
- Operational Fleet  
- Experience So Far  
- Procurement Models and Incentives  
- Technology Options  
- Cost Benefit Analysis  
- Key Issues and Challenges  
- Demand Projections and Market Opportunities

7. ELECTRIC BUS MARKET (BATTERY OPERATED)
- Experience So Far  
- Lesson from China  
- Operational Fleet  
- Procurement Models and Incentives  
- Recent Orders and Investments Made So Far  
- FAME Phase I Bidding-Key Takeaway  
- Cost Benefit Analysis  
- Battery Technology Option  
- Potential of Battery Swapping  
- Charging Infrastructure and Technologies  
- Impact of Charging on Grid  
- Issues and Challenges in E-bus Adoption  
- Demand Projections and Market Opportunities

8. GAS-BASED BUS MARKET (CNG, LNG, BIOGAS)
- Current Size and Growth  
- Operational Performance: Costs and ROI  
- Experience So Far  
- Recent Contract and Tenders  
- Initiatives So Far  
- Potential for LNG and Biogas Buses  
- Issues and Challenges  
- Demand Projections and Market Opportunities

The report is available in a PDF format.
EXECUTIVE SUMMARY

SECTION I: MARKET TRENDS, DEVELOPMENT AND OUTLOOK

1. INDIAN CONTAINER MARKET OVERVIEW
   - Macroeconomic Scenario; Trade Scenario; Level of Containerisation; Recent Developments; Emerging Trends; Key Issues and Challenges; Outlook and Projections (2019-20 to 2023-24)

2. INTER-MODAL ANALYSIS: ROADS, RAILWAYS, COASTAL SHIPPING AND INLAND WATERWAYS
   - Current Share; Comparative Cost Estimates; Overall Traffic Trends; Government’s Targets to Achieve an ‘Optimal Modal Mix’

3. CONTAINER TRAFFIC AND CAPACITY ANALYSIS
   - By Mode of Container Movement; Region; Origin and Destination; Type of Containerised Commodity

4. EXPECTED IMPACT OF DEDICATED FREIGHT CORRIDOR
   - Scope and Key Features; Current Status; Expected Timelines; Introduction of Double Stack Containers: Impact and Benefits; Overall Impact on Container Movements; Other Upcoming DFCs

5. MARKET OPPORTUNITIES, OUTLOOK AND PROJECTIONS (2019-20 to 2023-24)
   - Demand Drivers; Policy and Regulatory Outlook; Investment Projections; Traffic Projections by Mode of Transportation (road, rail, coastal shipping and inland waterways); Capacity/Network Addition Projections; Projected Freight Rates; Key Upcoming Projects; Big-ticket Opportunities: 2019-20 and Beyond

6. COSTS AND TARIFF TRENDS
   - Analysis of Operating Costs; Pricing Trends: Road Freight Rates, Handling Charges at Ports, Haulage Charges, Storage Charges; Key Projects

7. INVESTMENT SCENARIO
   - The Experience So Far; Recent Deals and Transactions (Private Equity, M&As and IPOs); Key Successful Exits; Historical Rates of Return; Upcoming Opportunities for Investors; Expected Returns; Investment Outlook

8. KEY GOVERNMENT INITIATIVES AND POLICY CHANGES: IMPACT ANALYSIS
   - GST Regime; E-way Bill; National Logistics Policy & MMLP Policy; Cabotage Law Relaxation; Revised Tariff Guidelines for Private Terminal Operator; Freight Any Kind (FAK) Tariff Regime for Rail Containers; Relaxation of Coastal Movement of Exim Transshipment and Empty Containers; Direct Port Delivery Scheme; DMICDC Logistics Data Services; Others

This chapter will analyse the impact of these initiatives and policy changes on container terminal operators, container train operators, road transporters, trucking industries, shipping companies, CFSs, ICs, etc.

9. INFRASTRUCTURE DEVELOPMENT UNDER OTHER KEY PROGRAMMES
   - Sagarmatha Programme; Bharatmala Programme; Jal Marg Vikas Project; Delhi Mumbai Industrial Corridor; Others

This chapter will cover the overview, key features, container infrastructure capacity, current status, and upcoming opportunities under each of these programmes/projects.

SECTION II: CONTAINER MOVEMENT: SEGMENT ANALYSIS, TRENDS & OPPORTUNITIES

10. PORTS
    - Traffic Trends: Major and Non-major Ports, Port-wise Analysis, Terminal-wise Analysis, East Coast versus West Coast, Loaded versus Unloaded, Transshipment Traffic, Domestic vs Exim Traffic; Container Handling Capacity; Trends in Global Container Shipping; Transshipment Scenario; Vessel Traffic; Average Vessel Size at Ports; Efficiency Trends: Upcoming Projects & Planned Capacity Addition; Key Initiatives to Improve Hinterland Connectivity; Key Issues and Challenges; Outlook and Projections

11. ROADS
    - Size and Growth; Existing Infrastructure; Cost of Container Movement; Connectivity to Container Handling Ports; Trucking Industry Overview; Market Structure and Key Players; Issues and Challenges; Outlook and Projections

12. RAILWAYS
    - Share of Container in IR’s Freight Traffic and Earnings; Traffic Trends: Overall – IR’s Container Traffic, Zone-wise, EXIM and Domestic; Trends in Earnings: Overall – IR’s Container Freight Earnings, Zone-wise, EXIM and Domestic; Recent Developments/Initiatives; Container Train Operators: Industry Structure, Current Infrastructure; Upcoming Projects & Planned Capacity Addition; Issues and Challenges; Outlook and Projections

13. COASTAL SHIPPING AND INLAND WATERWAYS
    - Size and Growth; Existing Infrastructure: Container Handling; Traffic Trends: Coastal Container Traffic, Container Movement on Inland Waterways; Composition of Traffic; Government Schemes and Initiatives; Upcoming Projects; Outlook and Projections

SECTION III: OTHER LOGISTICS INFRASTRUCTURE FOR CONTAINER MOVEMENT

Each of the following chapters will include:
- Segment Size and Growth
- Existing Capacity
- Policy Framework
- Government Schemes and Initiatives
- Major Players
- Upcoming Projects and Opportunities
- Future Outlook

14. COLD STORAGE & REEFER CONTAINERS
15. CONTAINER FREIGHT STATIONS/INLAND CONTAINER DEPOTS
16. LOGISTICS PARKS & MMLPS
17. FREE TRADE WAREHOUSING ZONES

SECTION IV: KEY PROFILES

18. KEY PORT CONTAINER TERMINALS
    - Adani CMA Mundra Terminal; Adani Hazira Container Terminal; Adani International Container Terminal; Adani Mundra Container Terminal; APM Terminals Mumbai; APM Terminals Pipavav; Bharat Mumbai Container Terminal; Bharat Kolkata Container Terminal; Chennai Container Terminal Limited; Chennai International Terminals Private Limited; etc.

Each profile will cover information on throughput, current capacity & capacity utilisation, key facilities, draught levels, dwell time, equipment availability and planned expansion.

19. KEY CONTAINER TRAIN OPERATORS
    - Adani Logistics Limited; Arshiya Rail Infrastructure Limited; Container Corporation of India Limited; Central Warehousing Corporation; Distribution Logistics Infrastructure Private Limited; Gateway Rail Freight Limited; Hind Terminals Private Limited; IndiaLink; Infologistics; International Cargo Terminals and Rail Infrastructure Private Limited; Kribhco Infrastructure Limited; etc.

Each profile will cover information on company operations, existing infrastructure, network covered, financial performance, future plans, etc.

20. KEY ROAD TRANSPORT OPERATORS
    - Transport Corporation of India Limited; Allcargo Logistics; Associated Road Carriers Limited; Coastal Roadways; Darcl Logistics; DRC Logistics; East West Freight Carriers Private Limited; Gati KWE; Patel Roadways; Prakash Roadline Private Limited; TVS Infrastructure Private Limited; etc.

Each profile will cover information on company operations, existing fleet, geographical coverage, financial performance, future plans, etc.

The report will be available in a PDF format.
Table of Contents

SECTION I: CONSTRUCTION MARKET OVERVIEW

1. EXECUTIVE SUMMARY

2. OVERVIEW
   - Size and Growth, Demand from Infrastructure and Housing, Key Trends and Developments, Construction Formats, Investment Projections, Issues and Challenges, Outlook and Opportunities (till 2022-23)

3. SECTOR OUTLOOK AND MARKET OPPORTUNITIES
   - Growth Drivers, Upcoming Project Pipeline, Equipment Market Projections, Material Market Projections
   - Market Opportunities: For Construction Contractors, Developers, Equipment Providers, Consultants, Financiers and Investors

4. NEW POLICY INITIATIVES AND IMPACT
   - Recent Announcements, Amendments to Existing Policies, Fiscal Initiatives, Sector-level Policy Developments, Proposed Policy Changes, Industry Concerns and Expectations

5. IMPACT OF GST
   - Progress so Far, Timelines
   - Likely Impact: On Project Owners/Developers, Contract Structuring, Construction Contractors/EPC Players, Equipment and Material Providers; Key Actions Required

6. FINANCING NEEDS AND CHALLENGES
   - Key Funding Sources, Investment Requirement, Financial Position of Companies, CDR Cases, New Sources of Funds, Key Issues and Concerns

SECTION II: CONSTRUCTION DEMAND – INFRASTRUCTURE & HOUSING

7. ROADS AND BRIDGES
   - Network Size and Growth, Key Trends, Launch and Impact of Online Portals, Expected Investments and Capacity Addition, Long Term Investment Requirement, Project Pipeline, Construction Opportunity, Key Issues and Challenges, Sector Outlook, Projected Investments

8. PORTS
   - Sector Size and Growth - Traffic, Capacity
   - Key Trends, Project Pipeline, Planned Capacity Addition, Expected Investments, Construction Opportunity, Key Issues and Challenges, Outlook and Projections

9. POWER
   - Sector Size and Growth, Key Trends, Expected Investments and Capacity Addition, Project Pipeline, Construction Opportunity, Key Issues & Challenges, Sector Outlook, Capacity Addition Projections

10. AIRPORTS
    - Sector Size and Growth, Key Trends, Expected Investments, Project Pipeline, Construction Opportunity, Key Issues and Challenges, Outlook and Projections

11. WATER AND IRRIGATION
    - Sector Size and Growth, Key Trends, Project Pipeline, Planned Capacity Addition, Expected Investments, Construction Opportunity, Key Issues and Challenges, Outlook and Projections

12. URBAN TRANSPORT
    - Sector Size and Growth, Key Trends, Project Pipeline, Planned Network Addition, Expected investments, Construction Opportunity, Key Issues and Challenges, Outlook

13. RAILWAYS
    - Sector Size and Growth, Key Trends, Investment Requirement by the IR, Planned Capacity Addition, Project Pipeline, Construction Opportunity, Focus on DFC, Future Corridors and Opportunities, Key Issues and Challenges, Key Projections, Sector Outlook

14. HOUSING
    - Sector Size and Growth, Key Trends, Project Pipeline, Expected Investments, Construction Opportunity, Demand and Supply Challenges, Regulatory Constraints, Outlook and Projections

15. TUNNELS
    - Sector Size and Growth, Key Trends
    - Planned Network Addition - By Sector, State
    - Expected Investments, Project Pipeline, Construction Opportunity, Key Issues and Challenges, Outlook and Projections

SECTION III: CONTRACTING CAPACITY AND PERFORMANCE

16. MARKET SIZE AND KEY PLAYERS
    - Current Market Structure, Contractor Capacity, Recent Trends, Key Issues, Sector Outlook

17. INTER-CONTRACTOR PERFORMANCE
    - Leading Players, Order Books, Revenues, Debt Servicing, Profits and Profit Margins, Key Ratios/Margins

SECTION IV: EQUIPMENT MARKET

18. EQUIPMENT SIZE AND GROWTH
    - Market Size, Production and Sales, Equipment-wise Sales, Imports and Exports, Industry Structure, Key Players, Rental and Leasing Market, New Products, Market Projections (till 2022-23), Outlook and Opportunities

19. OUTLOOK AND PROJECTIONS
    - Future Plans by Key Players, Demand Projections for Equipment, Sales Projections for Equipment, National Capital Goods Policy 2016, Opportunities for Equipment Providers

SECTION V: KEY MATERIALS

20. MATERIAL MARKET OUTLOOK AND PROJECTIONS
    - Planned Capacity Additions by Key Suppliers, Planned investments by Key Suppliers, Demand Projections for Materials, Supply Projections for Materials, Opportunities for Material Suppliers

21. CEMENT
    - Key Consuming Segments, Demand-Supply Scenario, Existing Capacity and Utilisation, Production and Consumption Trends, Import/Export Trends, Pricing Trends, Impact of Demonetisation, Industry Structure and Key Players, New Innovations/Technologies, Demand Drivers, Market Outlook and Key Projections (till 2022-23)

22. STEEL
    - Key Consuming Segments, Demand-Supply Scenario, Existing Capacity and Utilisation, Production and Consumption Trends, Import and Export Trends, Pricing Trends, Impact of Demonetisation, Industry Structure and Key Players, New Innovations/Technologies, Demand Drivers, Key Projections, Market Outlook

23. BITUMEN
    - Production and Consumption Trends, State-wise Consumption of Bitumen, Import Trends, Export Trends, Pricing and Cost Trends, Industry Structure and Key Players, Operational Parameters of Key Bitumen Manufacturers, Demand Drivers, Market Projections and Productions

24. OTHER MATERIALS
    - Production and Consumption Trends, Industry Structure and Key Players, Demand Drivers, Market Projections and Productions
Mining in India 2019 (April 2019)
Emerging Trends, Evolving Policy Framework, New Opportunities and Future Outlook

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

Table of Contents

1. INDUSTRY OVERVIEW
   - Current Market Size and Growth, India's Role in the Global Mining Market, Mineral Reserves Position, Development of the Mineral and Mining Belt of India, Production Trend Analysis, Consumption Trend Analysis, Foreign Trade Analysis, FDI in the Mining Sector in India, International Collaborations in Mining, Key Risks and Challenges, Outlook and Projections

2. DRAFT NATIONAL MINERAL POLICY 2018
   - Overview, Key Policy Features: Prospecting and Exploration; Incentivising the Private Sector; Impact of the Mining Tenement System; Mining & Mineral Development Strategy; Mining Machinery and Mineral Beneficiation Equipment; Moving Towards Sustainable Mining; Benchmarking Taxation with International Norms; Planned Financial Support, Impact Analysis on the Mining Industry, Unaddressed Issues & Challenges Industry Perspective (views of key personnel from the mining industry on the expected impact of the policy on the sector and the unaddressed issues and concerns)

3. POLICY AND OTHER RECENT DEVELOPMENTS
   - Amendments to Mineral Auction Rules, 2015; Amendment to Offshore Areas Mineral (Development and Regulation) Act, 2002; Star Rating Scheme for Minor Minerals; Legalisation of Commercial Coal Mining; Update on Coal Mine Allocation; Update on Recent Mining Leases Granted; Key Projects Completed; Mergers/Acquisitions; Stressed Assets; Recent Bids in Auctions; Likely Impact of Policy Changes

4. PROJECT PIPELINE AND MARKET OPPORTUNITIES
   - Overall Project Pipeline
   - Pipeline Analysis Matrix: By Minerals, Stage, State, Ownership
   - Market Opportunity For: MDOs, Equipment & Technology Providers

5. OUTLOOK AND PROJECTIONS (TILL 2024)

6. EXPLORATION SEGMENT TRENDS AND REQUIREMENTS
   - Status of Exploration: Reserves; Production; R/P Ratio; Deeper Deposits and Higher Stripping Ratio, Capital Expenditure on Exploration, Current Drilling Levels, Evolving Mining Methods (Underground vs Opencast), Future Investment Needs, Exploration Targets for 2019-20, Funding Options for Mining Companies, Emerging Business Models: Cluster Approach, Issues & Challenges

7. RISKS AND CHALLENGES
   - Macroeconomic Factors; Challenges in Project Execution (Case Studies of Key Completed Projects); Equipment and Technology Challenges; Status of Infrastructure Facilities; Health, Safety and Environmental Concerns; Geological Risks, Other Concerns

8. MDO EXPERIENCE
   - Experience So Far, Issues and Challenges, Solutions and Recommendations, Opportunity Analysis, Future Outlook

9. MINING EQUIPMENT AND TECHNOLOGY
   - Equipment-wise Market Size, Key Equipment Used, Industry Structure, Recent Developments, Procurement Plans of Mining Companies, Equipment and Technology Trends, Segment Overview: Drilling; Loading; Haulage; Crushing, Pulverising and Screening Equipment; Auxiliary and Support Equipment, Equipment Outlook and Projections (till 2024)

SECTION II: FOCUS ON COAL MINING

10. SIZE AND GROWTH
    - Existing and Balance Reserves, Coal Demand Analysis, Coal Supply Analysis, Demand-Supply Gap, Domestic Production Trends, Coal Import Trends, Policy Developments, Demand and Supply Projections (till 2024)

11. COAL MINING AUCTIONS UPDATE
    - Experience So Far, Results of Captive Block Allocations, E-auction Prices, Recent Auctions, Upcoming Auctions, Key Issues and Challenges, Outlook

12. COMMERCIAL MINING IN INDIA
    - Key Impact Areas, Methodology and Pricing Strategy, Perspective of Key Industry Stakeholders, Issues and Concerns, Recommendations to Address Key Concerns

SECTION III: MINERAL PROFILES

13. IRON ORE
    - Reserves, Production, Consumption, Foreign Trade (Import vs Exports), Price Trends, Key Producers, Recent and Upcoming Auctions, Key Investment Plans and Projects, Consumer Segments, Outlook and Projections (till 2024)

14. LIGNITE
    - Reserves, Production, Consumption, Foreign Trade (Import vs Exports), Price Trends, Key Producers, Recent and Upcoming Auctions, Key Investment Plans and Projects, Consumer Segments, Outlook and Projections (till 2024)

15. LIMESTONE
    - Reserves, Production, Consumption, Foreign Trade (Import vs Exports), Price Trends, Key Producers, Recent and Upcoming Auctions, Key Investment Plans and Projects, Consumer Segments, Outlook and Projections (till 2024)

16. BAUXITE
    - Reserves, Production, Consumption, Foreign Trade (Import vs Exports), Price Trends, Key Producers, Recent and Upcoming Auctions, Key Investment Plans and Projects, Consumer Segments, Outlook and Projections (till 2024)

17. COPPER CONCENTRATE
    - Reserves, Production, Consumption, Foreign Trade (Import vs Exports), Price Trends, Key Producers, Recent and Upcoming Auctions, Key Investment Plans and Projects, Consumer Segments, Outlook and Projections (till 2024)

18. OTHER KEY MINERALS (Lead and Zinc concentrates, Dolomite, Quartz, Kaolin, Magnesite, Silica and other sand, etc)
    - Reserves, Production, Consumption, Foreign Trade (Import vs Exports), Price Trends, Key Producers, Recent & Upcoming Auctions, Key Investment Plans & Projects, Consumer Segments, Future Outlook

19. RARE EARTH MINERALS (ilmenite, sillimanite, garnet, zircon, monazite, rutile, etc.)
    - Reserves, Production, Consumption, Foreign Trade (Import vs Exports), Price Trends, Key Producers, Recent & Upcoming Auctions, Key Investment Plans & Projects, Consumer Segments, Future Outlook

SECTION IV: COMPETITIVE LANDSCAPE

20. INTER-PLAYER PERFORMANCE
    - Industry Composition, Operational Performance Trends, Productivity Trends, Financial Performance, Investment Plans of Key Players

21. PROFILES OF KEY MINING COMPANIES
    - Coal India Limited, Singareni Collieries Company Limited, Gujarat Mineral Development Corporation Limited, NLC India Limited, National Aluminium Company Limited, etc.

Each profile contains information on company operations, production, sales, financial performance, key projects, expansion plans, future outlook, etc.

The report is available in a PDF format.
Table of Contents

SECTION I: MARKET ANALYSIS, UPCOMING PROJECTS AND OPPORTUNITIES

1. OVERVIEW .............................................................................................................. - Size and Growth; Key Trends; Recent Developments; Growth Drivers; Issues and Challenges; Future Outlook

2. PROJECT PIPELINE ............................................................................................... - Overall Project Pipeline - Analysis by Segment: Hydropower, Irrigation, Railways, Roads, Metro, Water Supply, Sewerage - Analysis by Stage of Implementation - Analysis by State - Analysis by Completion Period - Top 50 Upcoming Projects

3. MARKET OPPORTUNITIES ..................................................................................... - Investment Projections (till 2026-27) - Opportunities for Stakeholders: EPC Contractors, Technology Providers, Equipment Suppliers, Construction Material Suppliers, Consultants

4. ANALYSIS OF KEY PLAYERS .................................................................................. - Snapshot of Major Players - Market Structure - Project Portfolio: Key Completed Projects, Key Ongoing Projects - Financial Performance - Future Plans

5. RISKS AND CHALLENGES ................................................................................... - Contractual Issues; Construction Complexities; Equipment-related Issues; Manpower Issues; Other Issues

SECTION II: SEGMENT ANALYSIS

6. METRO RAIL TUNNELS ........................................................................................... - Size and Growth: Overall Size, By State, By Technique/Method; Analysis of Completed Projects; Key Completed Projects; Analysis of Ongoing Projects; Key Ongoing Projects; Select Case Studies and Lessons Learnt; Analysis of Upcoming Projects; Key Upcoming Projects; Issues and Challenges; Segment Outlook and Projections

7. RAILWAY TUNNELS .................................................................................................. - Size and Growth: Overall Size, Analysis by State, Analysis by Technique/Method; Analysis of Completed Projects; Key Completed Projects; Analysis of Ongoing Projects; Key Ongoing Projects; Analysis of Upcoming Projects; Key Upcoming Projects; Issues and Challenges; Segment Outlook and Projections

8. HYDRO TUNNELS .................................................................................................... - Size and Growth: Overall Size, Analysis by State, Analysis by Technique/Method; Analysis of Completed Projects; Key Completed Projects; Analysis of Ongoing Projects; Key Ongoing Projects; Analysis of Upcoming Projects; Key Upcoming Projects; Issues and Challenges; Segment Outlook and Projections

9. ROAD TUNNELS ...................................................................................................... - Size and Growth: Overall Size, By State, By Technique/Method; Analysis of Completed Projects; Key Completed Projects; Analysis of Ongoing Projects; Key Ongoing Projects; Select Case Studies and Lessons Learnt; Analysis of Upcoming Projects; Key Upcoming Projects; Issues and Challenges; Segment Outlook and Projections

10. WATER SUPPLY AND SEWERAGE TUNNELS ......................................................... - Size and Growth: Overall Size, By State, By Technique/Method; Analysis of Completed Projects; Key Completed Projects; Analysis of Ongoing Projects; Key Ongoing Projects; Select Case Studies and Lessons Learnt; Analysis of Upcoming Projects; Key Upcoming Projects; Issues and Challenges; Segment Outlook and Projections

11. IRRIGATION TUNNELS .............................................................................................. - Size and Growth: Overall Size, By State, By Technique/Method; Analysis of Completed Projects; Key Completed Projects; Analysis of Ongoing Projects; Key Ongoing Projects; Select Case Studies and Lessons Learnt; Analysis of Upcoming Projects; Key Upcoming Projects; Issues and Challenges; Segment Outlook and Projections

SECTION III: CONSTRUCTION TECHNIQUES, EQUIPMENT AND MATERIALS

12. TBM MARKET SIZE AND OUTLOOK ..................................................................... - Size and Growth; Types of TBM; Market Trends; Technological Advancements; Key Projects (using TBMs); TBMs deployed in Metro Rail Projects; Distinguishing Features of TBMs Deployed; Issues and Challenges; Future Outlook


15. MATERIALS MARKET ............................................................................................. - Size and Growth - Types of Materials Used in Tunneling - Market Trends - New Materials and Innovations - Future Outlook

The report is available in a PDF format.
1. EXECUTIVE SUMMARY

SECTION I: MARKET SIZE, TRENDS AND GROWTH DRIVERS

2. MINING INDUSTRY TRENDS AND OUTLOOK
   - Production
   - Consumption
   - Exports and Imports
   - Recent Developments
   - Key Trends
   - Issues and Challenges
   - Investment Requirements and Plans
   - Outlook and Projections (2018-22)

3. EQUIPMENT SIZE AND GROWTH
   - Market Size (equipment-wise)
   - Current Equipment Size of Coal India Limited
   - Key Equipment Used (by technique)
   - Key Equipment Used in Supply Chain
   - Industry Structure
   - Key Recent Developments
   - Outlook and Opportunities
   - Market Projections (2018-21)

4. EQUIPMENT AND TECHNOLOGY TRENDS
   - Equipment Productivity
   - Equipment Utilisation
   - Evolving Mining Techniques
   - Trends in Automation and Technology
   - Emerging Trends in Technology

5. GROWTH DRIVERS
   - Private Commercial Mining in Coal
   - CIL’s Technology Upgrade Plans
   - Non-coal Mine Auctions by State Governments
   - Larger Scale of Mining Operations
   - Deeper Deposits and High Stripping Ratios
   - Enhancing Output from Underground Mines
   - Performance Improvement and Cost Efficiency
   - Private Sector and Contract Mining
   - Reducing Carbon Footprint
   - Key Policy Developments

6. KEY CONSUMING SEGMENTS
   - Coal
   - Lignite
   - Bauxite
   - Copper
   - Iron Ore
   - Lead and Zinc
   - Other Non-Metallic Minerals

7. PROCUREMENT PLANS OF MINING COMPANIES
   - Coal India Limited
   - South Eastern Coalfields Limited
   - Western Coalfields Limited
   - Central Coalfields Limited
   - Eastern Coalfields Limited
   - Mahanadi Coalfields Limited
   - Northern Coalfields Limited
   - Private Players

SECTION II: DEMAND PROJECTIONS (2018-21)

8. DRILLING
   - Equipment Overview
   - Recent Trends and Advances
   - Demand Drivers
   - Major Players
   - Market Projections for Drills (2018-21)
     • Number and Value Terms, Type of Mineral (coal versus non-coal)

9. LOADING
   - Equipment Overview
   - Recent Trends and Advances
   - Demand Drivers
   - Major Players
   - Market Projections for Excavators (2018-21)
     • Number and Value Terms, Type of Mineral (coal versus non-coal)

10. HAULAGE
    - Equipment Overview
    - Recent Trends and Advances
    - Demand Drivers
    - Major Players
    - Market Projections for Dumpers (2018-21)
      • Number and Value Terms, Type of Mineral (coal versus non-coal)

11. CRUSHING, PULVERISING AND SCREENING EQUIPMENT
    - Equipment Overview
    - Recent Trends and Advances
    - Demand Drivers
    - Major Players
    - Market Projections (2018-21)
      • Number and Value Terms, Type of Mineral (coal vs. non-coal)

12. AUXILIARY AND SUPPORT EQUIPMENT
    - Equipment Overview
    - Recent Trends and Advances
    - Demand Drivers
    - Major Players
    - Market Projections (2018-21)
      • Number and Value Terms, Type of Mineral (coal vs. non-coal)

SECTION III: COMPETITIVE LANDSCAPE

13. MAJOR PLAYERS

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

The report is available in a PDF format.
# Table of Contents

## 1. WATER MARKET OVERVIEW
- Size and Growth: Municipal, Industrial
- Policy and Regulatory Developments
- Recent and Emerging Trends
- City-level Initiatives
- Freshwater Resource Availability
- Sources of Water Supply:
  - Surface Water
  - Groundwater
  - Demand-Supply Gap
  - New Water Sources (treated wastewater, desalinated water, etc.)
- Funding Sources: Constraining Factors
- Supply Outlook and Projections
- Issues and Challenges

## SECTION I: MUNICIPAL WATER: SEGMENT ANALYSIS, OUTLOOK AND OPPORTUNITIES

### 2. SEGMENT SIZE AND GROWTH
- Urban Water Supply Sources
- Piped Water Supply Network
- City-wise Water Requirement
- Notable Trends
- Policy and Regulatory Developments
- Sewage Generation and Treatment

### 3. KEY GOVERNMENT PROGRAMMES
- Smart Cities Mission
- Atal Mission for Rejuvenation and Urban Transformation
- Swachh Bharat Mission
- Namami Gange Programme
- Other Schemes/Programmes

For each of the programmes we will cover project scope, investment requirements, financing sources, current status, key completed projects, upcoming tenders, targets and timelines, etc.

### 4. PROJECT PIPELINE AND ANALYSIS
- Overall Project Pipeline
- Project Pipeline Analysis: Region, State, Stage of Development (ongoing, announced, approved and planned)
- Completion Period
- Expected Capacity Addition
- Key Upcoming Projects

### 5. FUTURE OUTLOOK AND MARKET OPPORTUNITIES
- Demand Drivers
- Policy and Regulatory Outlook
- Investment Projections (till 2024-25)
- Planned Capex of Key Utilities
- Market Opportunities for: Project Developers, EPC Contractors, Financiers and Long-term Lenders, Technology Providers, Equipment and Material Suppliers
- Water Supply Systems, Production Costs and O&M Expenses

### 6. COST STRUCTURES AND WATER TARIFFS
- Existing Tariff Structure
- Key Cost Components of Water Supply Systems
- Production Costs and O&M Expenses
- Select Case Studies, Recent Tariff Reforms, Issues and Challenges

### 7. SECTOR PARTICIPATION: EXPERIENCE AND POTENTIAL
- Formats and Models
- Experience So Far
- Key Completed Projects
- Revenue Streams
- Best Practices
- Constraining Factors

### 8. METERING WATER SERVICES
- Current Market Size
- Types of Meters Installed
- Experience So Far
- Recent Initiatives
- Key Players
- Innovations and Advancements
- Future Demand Projections for Meters

### 9. 24X7 WATER SUPPLY
- Experience So Far
- Pilot Projects
- Upcoming and Planned Projects
- Future Outlook

### 10. FOCUS ON NON-REVENUE WATER
- Current Scenario
- Emerging Trends and Innovations
- City-level Initiatives
- Issues and Challenges

## SECTION II: INDUSTRIAL WATER: SEGMENT ANALYSIS, OUTLOOK AND OPPORTUNITIES

### 11. SEGMENT SIZE AND GROWTH
- Water Requirement
- By Industry
- Water Supply Sources
- Notable Trends
- New Regulations & Guidelines
- Effluent Generation & Treatment

### 12. PROJECT PIPELINE AND ANALYSIS
- Overall Project Pipeline
- Project Pipeline Analysis: Region, State, Stage of Development (ongoing, announced, approved and planned)
- Completion Period
- Expected Capacity Addition
- Key Upcoming Projects

### 13. FUTURE OUTLOOK AND MARKET OPPORTUNITIES
- Demand Drivers
- Policy and Regulatory Outlook
- Investment Projections (till 2024-25)
- Market Opportunities for: Project Developers, EPC Contractors, Financiers and Long-term Lenders, Technology Providers, Equipment and Material Suppliers

### 14. COST STRUCTURES AND WATER TARIFFS
- Existing Tariff Structure
- Key Cost Components of Water Supply Systems
- Production Costs and O&M Expenses

### 15. POWER SECTOR: DEMAND ANALYSIS AND PROJECTIONS
- Current Water Consumption
- Water Management Initiatives
- Effluent Generation
- Key Completed and Ongoing Projects
- Future Projects/Tenders

### 16. TEXTILE INDUSTRY: DEMAND ANALYSIS AND PROJECTIONS
- Growth Drivers
- Planned Capacity of States/Local Utilities
- Emerging Requirements of Key Industries

### 17. PAPER & PULP INDUSTRY: DEMAND ANALYSIS AND PROJECTIONS
- Growth Drivers
- Key Upcoming Projects and Tenders

### 18. STEEL SECTOR: DEMAND ANALYSIS AND PROJECTIONS
- Growth Drivers
- Planned Capacity of States
- Emerging Requirements of Key Industries

### 19. OIL REFINERIES: DEMAND ANALYSIS AND PROJECTIONS
- Growth Drivers
- Planned Expansion in Capacity

### 20. MARKET SIZE, EXPERIENCE AND FUTURE POTENTIAL
- Current Capacity
- New Policy and Regulatory Initiatives
- Scale-up Capacity
- Experience So Far
- Trend in Capex of Desalination Plants
- Cost Components of Desalination Plants
- Noteworthy Projects and Select Case Studies

### 21. FUTURE POTENTIAL AND UPCOMING CAPACITY
- Growth Drivers
- Planned Capacity of States/Local Utilities
- Emerging Requirements of Key Industries
- Planned Expansion in Capacity
- Key Industries
- Key Upcoming Projects and Tenders

### 22. TREATMENT TECHNOLOGIES MARKET
- Types of Technologies
- Key Features
- Cost and Land Requirements
- Plant Performance
- Quality of Treatment

### 23. EXPERIENCE SO FAR
- Current Scenario
- Key Initiatives
- Emerging Trends
- New Technologies
- Innovations

### 24. FUTURE REQUIREMENTS AND POTENTIAL
- Growth Drivers
- Availability of Treated Wastewater
- Secondary Treated Wastewater
- Tertiary Treated Wastewater
- Upcoming Projects/Initiatives

### 25. SELECT CASE STUDIES (INDUSTRIAL & MUNICIPAL) AND IMPACT
- Recycling/Reuse Initiatives
- Infrastructure Created
- Sources of Wastewater Supply
- Cost of Wastewater and Tariffs

### SECTION III: DESALINATION MARKET: INITIATIVES, ECONOMICS AND FUTURE POTENTIAL

### 26. MARKET SIZE, EXPERIENCE AND FUTURE POTENTIAL
- Types of Technologies (membrane and thermal)
- Key Features (capital cost, land requirement, production cost, plant performance, quality of treatment, etc.)
- Current State of Deployment
- New Advancements
- Issues and Challenges

### SECTION IV: WASTEWATER TREATMENT AND REUSE

### 27. TREATMENT TECHNOLOGIES MARKET
- Types of Technologies
- Key Features
- Cost and Land Requirements
- Plant Performance
- Quality of Treatment

### SECTION V: DATABASE OF KEY PROJECTS

A comprehensive excel-based database of ongoing and upcoming projects in the municipal and industrial water supply segments.

Each project will provide information on:
- Scope
- Project Cost
- Current Status
- Segment (Municipal or Industrial)
- Mode of Implementation (PPP or EPC)
- Contractor/Developer
- Equipment Supplier
- Funding Sources
- Expected Capacity Addition
- Expected Completion Date

The report will be available in a PDF format.
SECTION I: HOUSING MARKET: TRENDS, DEVELOPMENTS, PROJECTIONS AND OPPORTUNITIES

1. AFFORDABLE HOUSING SEGMENT OVERVIEW
   - Urbanisation and Demographic Trends, Current Market Size, Trends in Supply and Sales of Affordable Houses, Growth Drivers, Current Stock of Low-Income Housing, Recent and Emerging Trends, Institutional and Regulatory Structure, Outlook and Opportunities

2. KEY GOVERNMENT ANNOUNCEMENTS AND EXPECTED IMPACT
   - Key Announcements in the Union Budget 2019-20
   - Expected Impact and Industry Views
   - Other Relief Measures by the Government and their Impact
   - Next Steps and Suggestions

3. POLICY AND REGULATORY DEVELOPMENTS
   - Infrastructure Status to Affordable Housing
   - Impact of GST
   - Credit Linked Subsidy Scheme
   - RERA Act
   - Affordable Housing in Partnership (AHP) Scheme
   - Other Incentives
   - Industry Expectations and Recommendations

4. HOUSING DEMAND AND SUPPLY INDICATORS
   - Households versus Housing Stock
   - Affordable Housing Demand and Supply
   - Demand and Supply Gap: Overall, Urban, State-wise, Rural
   - Houses by Habitable Conditions
   - Housing Congestion

5. FUTURE OUTLOOK AND KEY PROJECTIONS
   - Housing Stock Requirement (By Region and By States)
   - Housing Supply Projections
   - Projected Land Requirement
   - Projections for Material and Equipment Requirements
   - Sector Outlook

6. PROJECT PIPELINE AND MARKET OPPORTUNITIES
   - Overall Project Pipeline, By Ownership, Project Pipeline by State, By Stage of Development, Projects under Smart Cities Mission, Opportunities for Key Stakeholders

7. TOP CITIES FOR AFFORDABLE HOUSING
   - Ahmedabad, Bengaluru, Chennai, Delhi NCR, Hyderabad, Kolkata, Mumbai, Pune
   (Each city profile will include information on experience in affordable housing, completed and ongoing projects, demographic profile, state of existing infrastructure, upcoming investments, key players, opportunities, etc.)

8. FINANCING AND INVESTMENT SCENARIO
   - Investment Experience
   - Funding Sources: Bank Credit/Priority Sector Lending, Private Equity/Institutional Investors, Bond Market Transactions, National Housing Bank, Housing Finance Companies/AHFCs, Multilateral Funding Agencies, Others (ECBs/FDI/CLSS)
   - Expectations from REIT Structures
   - Investment Projections and Outlook
   - Key Challenges

9. PROJECT ECONOMICS: COSTS, MARGINS, RETURNS AND RISK ANALYSIS
   - Factors Impacting Project Viability, Key Cost Components, Profit Margins, Trends in Interest Rates and Prices, Project IRRs, Key Recommendations

10. MATERIAL AND EQUIPMENT MARKET
    - Emerging Construction Technologies, Building Material and Equipment Market Size, Demand Drivers, Innovation in Material and Equipment Market, Global Best Practices, Outlook and Upcoming Opportunities

SECTION II: UPDATE ON GOVERNMENT PROGRAMMES: PROGRESS AND OPPORTUNITIES

11. PROGRESS REPORT: HOUSING FOR ALL BY 2022
    - Pradhan Mantri Awas Yojana (PMAY) - Urban
    - Scope and Objectives
    - Progress So Far - Physical and Financial
    - Completed and Ongoing Projects
    - Targets and Timeline
    - Investment Requirements
    - Pradhan Mantri Awas Yojana - Gramin
    - Scope and Objectives
    - Progress So Far - Physical and Financial
    - Completed and Ongoing Projects
    - Targets and Timeline
    - Investment Requirements
    - Deen Dayal Antyodaya Yojana - National Urban Livelihoods Mission

12. PROGRESS AND OPPORTUNITIES UNDER SMART CITIES MISSION
    - Allocations for Affordable Housing under SCM
    - Experience So Far
    - Key Projects
    - Upcoming Tenders
    - Investment Requirements and Market Opportunities

SECTION III: FOCUS ON PRIVATE PARTICIPATION

13. PPP POLICY: IMPACT AND BENEFITS
    - Formats and Models: Government land, Private land
    - Incentives and Schemes for PPP
    - Impact of PPP policy
    - State Initiatives and Opportunities
    - Industry Recommendations on Policy Implementation & Incentives

14. PRIVATE SECTOR EXPERIENCE AND OUTLOOK
    - Experience So Far, Key Projects, Recent Announcements and Investments, Key Incentives under State Policies, Successful Case Studies, Innovative Business Models, Industry Expectations and Suggestions, Upcoming Opportunities, Segment Outlook

15. RENTAL HOUSING MARKET
    - Overview, Size and Growth, Policy and Regulatory Landscape, Draft Model Tenancy Act, 2019, Rental Housing under PMAY, Emerging Practices - Co-living and Student Housing, State Initiatives, Global Models, Issues and Challenges, Opportunities and Outlook

16. KEY PRIVATE PLAYER PROFILES
    - Arvind Superstructures, Design Build Serve, Dreams Group, Mahindra Lifespaces, Panvelkar Group, Provident Housing, Shapoorji Pallonji, Sheth, Signature Global, SNG Group, Tata Housing, VBDH, XRBIA
    (Each profile will include information on company operations, project portfolio—completed and ongoing, upcoming projects, financial performance and future plans)

SECTION IV: STATE-LEVEL SCHEMES, EXPERIENCE AND POTENTIAL

17. INTER-STATE COMPARISON
    - Current Infrastructure, Demographics, Housing Shortage, Key Initiatives, Future Plans

18. KEY STATE PROFILES
    - Andhra Pradesh, Bihar, Chhattisgarh, Delhi, Gujarat, Haryana, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan, Tamil Nadu, Telangana, Uttar Pradesh, West Bengal
    (Each state profile will give an overview of the housing scenario, role of key agencies and housing boards, state policy on affordable housing, new initiatives and incentives, and ongoing and upcoming housing schemes/projects.)
Smart Cities in India 2019 (April 2019)
Segment Analysis, Trends and Developments, Future Outlook and Market Opportunities

Table of Contents

EXECUTIVE SUMMARY

SECTION I: PROGRESS, DEVELOPMENTS AND CHALLENGES

1. OVERVIEW AND MISSION UPDATE
   - Scope and Features
   - Investment Requirements
   - Sources of Funding
   - Union Budget 2019-20: Key Announcements and Likely Impact
   - Overall Progress
   - International Collaborations
   - Other Key Initiatives under the Smart Cities Mission (CITIIS [Cities Investments to Innovate Integrate and Sustain], “Ease of Living” Index, etc.)
   - Issues and Challenges
   - The Way Forward

2. ANALYSIS OF COMPLETED PROJECTS
   - Overall No. of Projects Completed
   - Analysis by: By Segment; City; Category (Area-based versus Pan-based); Mode of Implementation
   - Investments Mobilised in Completed Projects
   - Most Progressive Cities in terms of Completion Rates

3. ANALYSIS OF PROJECT PIPELINE
   - Overall Project Pipeline
   - Project Pipeline Analysis: By Category (Area-based and Pan-City Development); Segment (Smart energy, smart governance and communication, smart mobility, smart safety and security, smart water and waste management, affordable housing, etc.); Mode of Implementation (PPP and non-PPP); Status (Under implementation, contracts awarded, bidding/tendering, preliminary/planned, proposed); State; City; Period of Completion
   - Top 10-15 Key Investment Cities
   - Top 50 Upcoming Projects

4. FUTURE OUTLOOK AND MARKET OPPORTUNITIES (TILL 2024-25)
   - Growth Drivers
   - Investment Projections
   - Market Opportunities: Developers; EPC Contractors; Financiers/Long-Term Investors; Technology and Equipment Providers; Consultants; Survey and Investigation Firms; Other stakeholders

5. FINANCING NEEDS AND CHALLENGES
   - Key Sources of Funding (central and state governments, bilateral/multilateral borrowing, convergence with other government schemes, PPPs, etc.)
   - New and Innovative Financing Sources
   - Fund Allocation and Disbursement (city-wise and round-wise)
   - Recent Government Measures
   - Funds Allocated and Disbursement (city-wise and round-wise)
   - Risks and Challenges

6. POTENTIAL FOR PRIVATE INVESTMENT
   - Planned Investment from PPPs
   - Key Thrust Areas
   - Experience So Far
   - Update on PPP Projects (city-wise and segment-wise): Projects Completed; Projects under Implementation; Projects under Planning/Announced Stages
   - Issues and Challenges
   - Future Potential and Outlook

7. EXPERIENCE WITH GREENFIELD SMART CITIES
   - GIFT City; Lavasa; Dholera; Vikram Udyogpur; Integrated Industrial Township Greater Noida Limited; Others
   - Each case study provides information on key focus areas (mobility, water and waste, energy, governance, safety and security, buildings, communication, etc.); new innovations and technologies; best practices; issues and challenges and key learnings.

8. EXPERIENCE WITH NON-MISSION CITIES
   - Greater Mumbai; Amravati; Delhi (Non-NDMC area); Cuttack; Mysuru; Others
   - Each case study provides information on key focus areas (mobility, water and waste, energy, governance, safety and security, buildings, communication, etc.); new innovations and technologies; best practices; issues and challenges and key learnings.

SECTION II: ROUND-WISE UPDATE

9. ROUND I (FIRST 20 CITIES) AND FAST TRACK CITIES (13 CITIES)

10. ROUND II CITIES (27 CITIES)

11. ROUND III CITIES (30 CITIES)

12. ROUND IV CITIES (10 CITIES)
   Each chapter covers investment requirements, key sources of funding, progress on projects, best practices/case studies, projects completion timelines, upcoming tenders, and outlook and opportunities.

SECTION III: SEGMENT ANALYSIS

13. MOBILITY
   - Key Segments/Technology Solutions; Performance Indicators
   - Noteworthy Initiatives/Projects; Issues and Challenges; Key Learnings; Proposed Investments; Outlook and Opportunities (till 2025-26)

14. ENERGY
   - Key Segments/Technology Solutions; Performance Indicators
   - Noteworthy Initiatives/Projects; Issues and Challenges; Key Learnings; Proposed Investments; Outlook and Opportunities (till 2025-26)

15. WATER AND WASTE MANAGEMENT
   - Key Segments/Technology Solutions; Performance Indicators
   - Noteworthy Initiatives/Projects; Issues and Challenges; Key Learnings; Proposed Investments; Outlook and Opportunities (till 2025-26)

16. SAFETY AND SECURITY
   - Key Segments/Technology Solutions; Performance Indicators
   - Noteworthy Initiatives/Projects; Issues and Challenges; Key Learnings; Proposed Investments; Outlook and Opportunities (till 2025-26)

17. GOVERNANCE AND COMMUNICATION
   - Key Segments/Technology Solutions; Performance Indicators
   - Noteworthy Initiatives/Projects; Issues and Challenges; Key Learnings; Proposed Investments; Outlook and Opportunities (till 2025-26)

18. OTHER FOCUS AREAS
   - Affordable Housing; Education; Parking; Street Lighting; Healthcare; Capacity Building; Roads and Flyovers; City Gas Distribution; Public Amenities

SECTION IV: PROFILES OF KEY COMPLETED PROJECTS

This section covers brief profiles of key completed projects across various segments.

Each profile covers: Scope; Project Cost; Source of Funding; Type of Project (Area-based or Pan-City); Contractor/Developer; Technology/Service Provider; Completion Date (wherever available); Key Challenges; Lessons Learnt

SECTION V: DATABASE OF KEY PROJECTS

The report also provides a comprehensive Excel-based database of ongoing and upcoming projects across the water supply, sewerage, waste, energy, mobility, roads, flyovers, safety and security, e-governance, health-care, capacity building and city gas distribution segments.

Each project provides information on: Scope; Current Status; Mode of Implementation; Implementing agency; Project Cost; Type of Project (Area-based or Pan-City); Contractor/Developer; Expected Date of Completion, etc.

The report is available in a PDF format.
MSW GENERATION SECTION I: MARKET ANALYSIS, OUTLOOK AND OPPORTUNITIES

1. SIZE AND GROWTH
   v MSW Landscape, MSW Generation and Growth in the Past Five Years, Institutional Framework, Policy and Regulatory Framework, Key Trends, Government Initiatives, Risks and Challenges, Challenges that are Potential Opportunities, Future Outlook and Projections

2. RECENT INITIATIVES AND KEY DEVELOPMENTS
   v Recent Policy and Regulatory Developments, Project Completions, Recent Contract Awards, Projects Approved/Launched/Proposed, City-Level Smart Waste Management Initiatives, Other Key Developments

3. PROJECT PIPELINE AND ANALYSIS
   v Overall Project Analysis (Announced, Approved and Under Bidding), By State, By Stage of Development, By Ownership, By Completion Period, Expected Capacity Addition, Capacity Addition in Near Term (Based on On-going projects), Top Cities to Invest In

4. SECTOR OUTLOOK AND MARKET OPPORTUNITIES
   v Key Growth Drivers, Potential Challenges, Investment Requirements, Market Opportunities, Key Projections

5. KEY GOVERNMENT PROGRAMMES: PROGRESS SO FAR, UPCOMING PROJECTS AND OPPORTUNITIES
   v Swachh Bharat Mission, Namami Gange Programme, Smart Cities Mission

6. INTER-CITY COMPARISON: INFRASTRUCTURE GROWTH PLANS AND PROJECTIONS
   v City-wise Analysis under SBM(U), Analysis of MSW Generation Across Key Cities, Current MSW Management Infrastructure, Profiles of Key Cities, Other Cities, Current Treatment Technology, Innovations & Advancements, 3R Initiatives, Capacity Addition Plan

7. PROFILES OF KEY UPCOMING PROJECTS

8. COSTS, REVENUES AND FINANCING
   v Key Financing Sources, Capex and Opex Requirements, Revenue Sources and Resource Recovery, Project IRRs, Market for Residues, Recent PE Deals, Investment Requirements, Business Risks and Challenges

9. FOCUS ON PPP: EXPERIENCE AND FUTURE OPPORTUNITIES
   v Formats and Models
   v Experience So Far
   v Case Studies
   v Different Revenue Streams
   v PPP Project Portfolio: Key Completed Projects, Key Ongoing Projects
   v Key Success Factors and Learning
   v PPP Potential and Outlook

10. KEY PRIVATE PLAYERS
    v Industry Structure
    v Contracting Practices and Experience
    v Key Players
    v Project Portfolio
    v Financial Performance
    v Key Industry Concerns

SECTION II: FOCUS ON MSW MANAGEMENT INFRASTRUCTURE: CURRENT STATE, TECHNOLOGY DEPLOYMENT & FUTURE REQUIREMENTS

11. COLLECTION AND TRANSPORTATION
   v Current Practices
   v Expenditure on Solid Waste Management
   v Swachh Survekshan 2019
   v Type of Transportation Infrastructure Deployed (e-rickshaws, carts, trucks, etc.)
   v Smart Initiatives at the City Level
   v New Trends and Advancements
   v Investment Requirements
   v Issues and Concerns

12. TREATMENT AND DISPOSAL
   v Status of Waste Processing
   v Relevant Treatment Technologies
   v Disposal Practices (Land filling, 3R, etc.)
   v Smart Initiatives at the City Level
   v New Trends and Advancements
   v Investment Requirements
   v Issues and Challenges

13. WASTE-TO-ENERGY
   v Existing Capacity
   v Relevant Treatment Technologies
   v Government Initiatives
   v Revenue Stream and Cost Recovery
   v Green Fuels
   v Existing Biogas and BioCNG Capacity
   v Market Potential
   v Opportunities
   v Growth Drivers for Biofuels
   v Completed WtE Projects
   v Key On-going Plants
   v Future Potential
   v Issues and Challenges

14. INTEGRATED SOLID WASTE MANAGEMENT
    v ISWM
    v Salient Features
    v Experience So far
    v Government Initiatives
    v Key City Level Initiatives
    v Upcoming Projects
    v Benefits
    v Issues and Challenges
    v Recommendations

SECTION III: TECHNOLOGY AND EQUIPMENT

15. O&M AND ASSET MANAGEMENT TECHNOLOGIES
    v Current O&M Practices
    v Smart Technologies For Asset Management
    v Current City-Level Practices
    v Role of Private Players
    v Technology Trends and Advancements
    v Planned ULB Initiatives
    v Segment outlook

16. EMERGING EQUIPMENT REQUIREMENTS
    v Equipment Market Size and Growth, Equipment Requirement, Key Players, Innovations and Advancements, Future Demand Projections

SECTION IV: DATABASE OF KEY PROJECTS

The database will be a compilation of upcoming solid waste management projects (ongoing and planned) in the sector with details on scope, location, cost, capacity, funding sources, implementing agency, contractor (wherever available), current status, expected date of completion, etc.

www.indiainfrastructure.com India Infrastructure Research | 47
Sewage Treatment Market in India 2019
(September 2019)

Key Trends, Government Initiatives, Emerging Technologies and Upcoming Opportunities

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

Table of Contents

SECTION I: MARKET ANALYSIS, OUTLOOK AND OPPORTUNITIES

1. SIZE AND GROWTH
   - Sewage Sector Snapshot; Current Size and Growth: Sewage Generation, Treatment Capacity, Treatment-Generation Gap; Institutional Framework; Standards and Norms; Key Trends; Government Initiatives; Risks and Challenges; Future Outlook and Projections (2019-20 to 2024-25)

2. RECENT DEVELOPMENTS
   - Recent Regulatory Developments, Project Completions, Recent Contract Awards, Projects Approved/Launched/Proposed, City-level ICT Initiatives, Other Key Developments

3. PROJECT PIPELINE AND ANALYSIS
   - Overall Project Pipeline
   - Project Pipeline Analysis: By Region, State, Stage of Development, Ownership, Completion Period
   - Expected Capacity Addition: Sewage Treatment Capacity, Sewer Network Length
   - Upcoming Opportunities

4. FUTURE OUTLOOK AND MARKET OPPORTUNITIES
   - Key Growth Drivers
   - Investment Requirements
   - Market Opportunities: EPC Contractors, Private Developers, Technology Providers, Equipment and Material Suppliers, Pipe Manufacturers, Consultants
   - Outlook and Projections (till 2024-25)

5. KEY GOVERNMENT PROGRAMMES: PROGRESS SO FAR, UPCOMING PROJECTS AND OPPORTUNITIES
   - Swachh Bharat Mission
   - Namami Gange Programme
   - Smart Cities Mission
   - Atal Mission for Rejuvenation and Urban Transformation

6. INTER-CITY COMPARISON: INFRASTRUCTURE GROWTH, PLANS AND PROJECTIONS
   - Key Cities Covered
   - Analysis of Sewage Generation
   - Analysis of Sewage Treatment Capacity Analysis of Number of STPs
   - Analysis of Sewage Network
   - Profiles of Key Cities: Sewage Generation, Current Sewerage Infrastructure, Sewage Treatment Technologies Deployed, Innovations and Advancements, Recycle and Reuse Practices and Initiatives, Key Completed Projects, Key Ongoing Projects, Capacity Addition Plans

7. PROFILES OF TOP 50 UPCOMING PROJECTS
   - Under Bidding, Recently Awarded
   - Announced
   - Approved
   - Opportunities for Stakeholders

8. INVESTMENT TRENDS AND OUTLOOK
   - Key Funding Sources
   - Overall Investment Trends
   - Union Budget 2019-20: Announcements and Expected Impact
   - New and Innovative Funding Sources (municipal bonds, etc.)
   - The PPP Experience and Potential: Formats and Models, PPP Experience (1990s-2016), PPP Experience (Post 2016), Key Projects (completed and ongoing), Future Outlook and Potential
   - Key Risks and Challenges
   - Investment Outlook

9. EXPERIENCE AND OPPORTUNITIES UNDER THE HYBRID ANNUITY MODEL
   - Introduction; HAM: Salient Features; Experience So Far; One City, One Operator under HAM; Key Projects: Ongoing, Tendering, Recently Awarded; Risks and Challenges

10. COST STRUCTURES, TARIFF TRENDS AND PROJECT RETURNS
    - Project Economics: Wastewater Treatment Plants (WWTPs)
    - Capex and Opex Requirements
    - Energy and Land Requirements of WWTPs
    - Market for Byproducts (Sludge, Treated Wastewater, Electricity, etc.)
    - Scope of Returns and Revenue Potential
    - Tariffs - Reforms and Trends
    - Issues and Concerns

11. KEY PRIVATE PLAYERS
    - Industry Structure, Contracting Practices and Experience, Key Players (Indian and Global), Project Portfolio, Key Completed Projects, Key Ongoing Projects, Financial Performance, Key Industry Concerns, Future Plans

SECTION II: NEW FOCUS AREAS

12. DECENTRALISED SEWERAGE SYSTEMS
    - Introduction, Salient Features, The Experience So Far/Current Deployment, Capital Cost Requirements, Select Case Studies, Key Advantages, Constraining Factors, Future Outlook

13. ENERGY FROM SEWAGE
    - Existing Capacity and Plants, Relevant Technologies, Key Upcoming Projects, Energy Generation, Future Potential

14. RECYCLE AND REUSE PRACTICES
    - Current Practices, Standards and Norms for Reuse, Relevant Technologies, Key Recycle and Reuse Facilities, Key Consumers of Recycled Wastewater, Issues and Challenges, Future Potential

15. FOCUS ON INDUSTRIAL EFFLUENT MANAGEMENT
    - Current Effluent Generation, Discharge Standards and Norms, Existing Treatment Facilities, Key Ongoing and Upcoming Facilities, Recycle and Reuse Practices, Innovations and Advancements, Segment Outlook

SECTION III: TECHNOLOGY AND EQUIPMENT

16. TREATMENT TECHNOLOGIES AND ASSET MANAGEMENT
    - Salient Features of Key Technologies: Conventional Technologies, Advanced Technologies; Cost and Performance Comparison of Key Technologies; Current Capacity and Key Plants; Asset Management; Case Studies: Automation and Instrumentation Initiatives; Segment Outlook

17. EMERGING EQUIPMENT REQUIREMENTS
    - Equipment Market Size and Growth, Key Equipment Required, Major Players, Innovations and Advancements, Future Demand Projections

SECTION IV: DATABASE OF KEY PROJECTS
The database will be a compilation of upcoming projects (ongoing and planned) in the sector including sewage treatment facilities (WWTPs), sewage pumping stations, sewage pipelines, recycle and reuse facilities, and effluent treatment plants with details on scope, location, cost, capacity, funding sources, implementing agency, contractor (wherever available), current status, expected date of completion, etc.

The report is available in a PDF format.
**Table of Contents**

### SECTION I: MARKET OVERVIEW AND ANALYSIS

#### 1. OVERVIEW
- Current Supply
- Supply by Segments
- Key Growth Drivers
- Policy Support
- Expected Demand and Investments
- Issues and Challenges
- Future Outlook

#### 2. POLICY AND REGULATORY FRAMEWORK
- Key Agencies and their Role
- Real Estate (Regulation and Development) Act, 2016
- Benami Transactions (Prohibition) Amendment Act, 2016
- Shops and Establishments Act
- FDI Norms
- Fiscal Incentives for Developers
- Fiscal Incentives for Buyers

#### 3. UNION BUDGET 2017
- Infrastructure Status and Impact
- Impact on Supply
- Allocation to Various Schemes: Pradhan Mantri Awas Yojana, AMRUT and Smart Cities, Loan refinancing through National Housing Board
- Tax Reliefs
- Overall Impact on Sector

#### 4. IMPACT OF GST
- Scope and Timelines
- Progress So Far
- Likely Impact (on contractors, equipment providers, and material suppliers)

#### 5. IMPACT OF DEMONETISATION
- Long-term and Short-term Impact: Impact on Real Estate Prices, Impact on Primary and Secondary Sales, Impact on the Type of Transactions (transition to smaller floor plates and units, investments in serviced apartment projects, etc.)
- The Way Forward

#### 6. RECENT GOVERNMENT INITIATIVES
- Online Registration, Online Revenue System, Transparency Initiatives, Others

#### 7. PRIVATE EQUITY FINANCING AND TRANSACTIONS
- Current Size, Recent Trends, Recent Transactions, Investment Experience (by type and asset class), Expected Rates of Return

#### 8. FOCUS ON REITS AND INVITS
- Key Elements, Structure and Models, Experience So Far, Regulatory Trends, Potential Yield Curve, Issues and Challenges

#### 9. OTHER FINANCING TRENDS
- Trends in Debt Financing
- Trends in FDI Inflow and ECBs
- Recent Mergers and Acquisitions

#### 10. MARKET OPPORTUNITIES AND OUTLOOK
- Projected Supply, New Avenues
- Market Opportunities for: Contractors (Housing, Commercial, Retail and SEZ), Equipment Providers (Housing, Commercial, Retail and SEZ), Material Suppliers (Housing, Commercial, Retail and SEZ)

### SECTION II: SEGMENT ANALYSIS AND OUTLOOK

#### 11. HOUSING REAL ESTATE
- Current Scenario
- Key Market Indicators
- Key Drivers
- Notable Trends
- Key Developers
- Investment Projections
- Key Upcoming Projects
- Segment Outlook

#### 12. COMMERCIAL REAL ESTATE
- Current Scenario
- Key Market Indicators
- Key Drivers
- Notable Trends
- Key Developers
- Investment Projections
- Key Upcoming Projects
- Segment Outlook

#### 13. RETAIL REAL ESTATE
- Current Scenario
- Key Market Indicators
- Key Drivers
- Notable Trends
- Key Developers
- Investment Projections
- Key Upcoming Projects
- Segment Outlook

#### 14. SPECIAL ECONOMIC ZONES
- Current Scenario
- Key Market Indicators
- Key Developers
- Investment Projections
- Key Upcoming Projects
- Segment Outlook

### SECTION III: BIG EIGHT CITIES

#### 15. PROFILES OF BIG EIGHT CITIES
- Mumbai, Bengaluru, National Capital Region, Pune, Hyderabad, Chennai, Kolkata, Ahmedabad

Each profile covers the following information:
- Current Supply and Asset Type
- Trends in Market Indicators
- Upcoming Supply
- Location Strategy
- Investment Scenario
- Future Outlook

---

*The report is available in a PDF format.*
# Optic Fibre Cable Market in India 2019

**July 2019**

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

## Table of Contents

1. **EXECUTIVE SUMMARY**
2. **MARKET SIZE AND TRENDS**
   - Size and Growth Trends
     - Annual Growth Trends
     - Key Player-wise Deployment Status
     - India Vs. Global
     - Key Demand Drivers
     - Emerging Policy and Regulatory Scenario
     - Key Issues and Challenges
     - Future Outlook
3. **TECHNOLOGY-RELATED DEMAND DRIVERS**
   - Backhaul Upgrades for High-Bandwidth Services
     - Tower Fibreisation for 4G/5G
     - Small Cells Fibreisation
   - Last Mile Connectivity
     - FTTx
     - Wi-Fi and IBS
   - Data Centres
4. **MARKET DEMAND DRIVERS**
   - Data Growth Trends and Projections
   - Entry of New Players (Jio Fibre, Google Fibre, etc.)
   - Content Development
5. **GOVERNMENT PROGRAMMES AND INITIATIVES**
   - BharatNet Phase II and III
   - GramNet
   - NagarNet
   - Smart Cities
   - Network for Spectrum
   - Building Bye Laws
   - State-level Projects and Initiatives (This will cover projects such as Maharashtra MahaNet, AP FibreNet and Telangana T-Fiber, etc.)
6. **Demand Projections**
   - Addressable Potential Across Demand Segments
   - Projected Demand under Government Programmes (2020-25)
   - Projected Demand by The Key Player Segment (2020-25)
7. **Production Capacity Trends and Outlook**
   - Growth in Production Capacity
   - Emerging Solutions and Products
   - Focus on Make in India
   - Key Challenges
   - Future Outlook
8. **Cost and Technology Trends**
   - Technology Landscape (Single/Multi-Mode, Plastic Optic Fibre, Macroend Fibre, etc.)
   - Deployment and installation Practices
   - Raw Material Trends (Availability, Imports, Cost, etc.)
   - Duties and Taxes
   - Future Outlook
9. **Likely Impact of NDCP 2018**
   - Policy Highlights and Provisions
     - Fibre First Initiative
     - National Digital Grid
   - Targets and Timelines
   - Implementation Status and Requirements
   - Impact on OFC Demand
10. **ROW Regulations: State-Wise Charges and Implementation Status**
    - RoW Rules - Implementation Status
    - State Policies
    - Issues and Challenges
    - Key Recommendations
11. **Industry Structure and Key Operator Profiles**
    - Evolving Industry Structure
    - Emerging Business Models (OFC Sharing, Independent Fibrecos, JVs, Neutral Host Model)
    - Key Player Profiles (Each of the segments will cover profiles of key players detailing their OFC network size, FTTH and related services, key contracts and collaborations, future plans and requirements)
      - Operators (Bharat Airtel, Vodafone Idea, Reliance Jio, BSNL and MTNL)
      - Towercos (Indus-Bharti Infratel, ATC India, TowerVision and GTL)
      - ISPs (TTSL, ACT, Hathway, You Broadband, Tikona Infinet, D-Vois Communications, Excitel Broadband, Alliance Broadband, Spectra, DEN, etc.)
      - Wi-Fi/IBS Providers (FireFly Networks, Ubico Networks, Intech Online, QuadGen Wireless, Microsense Networks, IBus Networks, etc)
      - Utilities (Power, Oil & Gas, and Railways)
      - Defence
      - Cable TV/ DTH Providers (Tata Sky, Dish TV, Sun Direct TV, Bharti Telemedia, Reliance Digital, Ortel, etc.)
12. **Key Supplier Profiles**
    (Each player profile will give an overview of the company's operations, focus areas, current production capacity, manufacturing facilities, key projects and tenders, financial performance, capex and expansion plans)
    - AFL
    - Aksh OptiFiber Limited
    - Birla Cable Limited
    - Corning
    - Finolex Cables Limited
    - Himachal Futuristic Communications Ltd.
    - Paramount Communications Limited
    - R&M (Reichle & De-Massari AG)
    - Sterlite Technologies Limited
    - UM Cables Limited
    - Uniflex Cables
    - Vindhya Telelinks Limited
    - West Coast Optilinks

The report will be available in a PDF format.
# Table of Contents

## 1. EXECUTIVE SUMMARY

### SECTION I: OVERVIEW, OPPORTUNITIES AND OUTLOOK

#### 2. OVERVIEW
- India’s Macroeconomic Scenario
- Current State of Infrastructure
- Key Sector Trends
- Government Programmes/Initiatives Driving Demand
- Impact of GST
- Challenges in Project Development and Implementation
- Outlook and Opportunities (till 2026-27)

#### 3. OVERALL PROJECT PIPELINE ANALYSIS
- Expected Capacity Addition (sector-wise)
- Analysis by Sector, Ownership, Promoter, Contractor, Region and State, Investment
- Top Upcoming Projects in Terms of Investment

#### 4. PROJECT PIPELINE ANALYSIS BY STAGE OF DEVELOPMENT
- Under Implementation, Announced, Awarded, Under Planning, Projects Awaiting Clearances/Land Acquisition/Financial Closure, Under Bidding, Delayed/Stalled

#### 5. OUTLOOK AND MARKET OPPORTUNITIES
- Growth Drivers
- Investment Requirements
- Expected Policy Changes and Impact
- Market Opportunities for project developers, EPC contractors, financiers, equipment providers, construction material suppliers and consultants

### SECTION II: PIPELINE ANALYSIS BY SECTOR

#### 6. ROADS AND BRIDGES
- Sector Snapshot
- Projects Completed in 2016 and 2017
- Major Players
- Overall Project Pipeline by Stage
- Top Upcoming Projects in Terms of Investment
- Outlook and Projections (till 2021-22)

#### 7. PORTS
- Sector Snapshot
- Projects Completed in 2016 and 2017
- Major Players
- Overall Project Pipeline by Stage
- Top Upcoming Projects in Terms of Investment
- Outlook and Projections (till 2024-25)

#### 8. RAILWAYS
- Sector Snapshot
- Projects Completed in 2016 and 2017
- Major Players
- Overall Project Pipeline by Stage
- Top Upcoming Projects in Terms of Investment
- Outlook and Projections (till 2022-23)

#### 9. AIRPORTS
- Sector Snapshot, Projects Completed in 2016 and 2017, Major Players, Overall Project Pipeline by Stage, Top Upcoming Projects in Terms of Investment, Outlook and Projections (till 2020-21)

#### 10. URBAN RAIL
- Sector Snapshot
- Projects Completed in 2016 and 2017
- Major Players
- Overall Project Pipeline by Stage
- Top Upcoming Projects in Terms of Investment
- Outlook and Projections (till 2026-27)

#### 11. MINING
- Sector Snapshot, Projects Completed in 2016 and 2017, Major Players, Overall Project Pipeline by Stage, Top Upcoming Projects in Terms of Investment, Outlook and Projections (till 2025-26)

#### 12. POWER
- Sector Snapshot
- Projects Completed in 2016 and 2017
- Major Players
- Overall Project Pipeline by Stage
- Top Upcoming Projects in Terms of Investment
- Outlook and Projections (till 2024-25)

#### 13. RENEWABLE ENERGY
- Sector Snapshot
- Projects Completed in 2016 and 2017
- Major Players
- Overall Project Pipeline by Stage
- Top Upcoming Projects in Terms of Investment
- Outlook and Projections (till 2021-22)

#### 14. OIL AND GAS
- Sector Snapshot
- Projects Completed in 2016 and 2017
- Major Players
- Overall Project Pipeline by Stage
- Top Upcoming Projects in Terms of Investment
- Outlook and Projections (till 2025-26)

#### 15. WATER AND WASTE
- Sector Snapshot, Projects Completed in 2016 and 2017, Major Players, Overall Project Pipeline by Stage, Top Upcoming Projects in Terms of Investment, Outlook and Projections (till 2026-27)

#### 16. IRRIGATION
- Sector Snapshot, Projects Completed in 2016 and 2017, Major Players, Overall Project Pipeline by Stage, Top Upcoming Projects in Terms of Investment, Outlook and Projections (till 2025-26)

### SECTION III: DATABASE OF KEY PROJECTS

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.
# Table of Contents

1. **EXECUTIVE SUMMARY**

## SECTION I: AFRICAN MARKET OVERVIEW

2. **SECTOR OVERVIEW**
   - Macroeconomic Scenario
   - Infrastructure Growth in the Past Five Years
   - Current Infrastructure Deficit
   - Competitive Landscape
   - Growth Drivers
   - Technology Trends
   - Key Issues and Challenges
   - Upcoming Opportunities
   - Future Outlook

3. **FINANCING AND PPP EXPERIENCE**
   - Trends in Infrastructure Spending
   - Funding Sources
     - Government Funding
     - Multilateral Funding
     - Bilateral Funding
     - Bank Lending
     - Bond Financing
     - Other Key Funding Sources
   - Private Sector Participation
     - Experience So Far
     - Sector-wise Private Investments
     - Equity Funding
     - PE Exits
     - Historical and Expected Returns
   - Emerging Sources of Finance
   - Investment Requirement and Projections
   - Key Risks and Challenges
   - The Way Forward

4. **FOREIGN INVESTMENT TRENDS**
   - Size and Growth
   - FDI Analysis
     - By Source
     - By Destination
     - By Sector
   - Initiatives to Encourage Foreign Investment
   - Proposed Foreign Investments

5. **PROJECT PIPELINE AND MARKET OPPORTUNITIES**
   - Overall Project Pipeline
   - Project Pipeline Analysis
     - By Sector
     - By Country
     - By Stage
   - Market Opportunities
     - Developers
     - Contractors
     - Financiers/Long-term Investors
     - Technology and Equipment Providers
     - Material Suppliers
     - Other Stakeholders
   - Future Outlook

6. **TOP 100 UPCOMING PROJECTS**
   - By Sector, Country, Type (Brownfield/Greenfield), Stage of Implementation (Recently awarded/approved/announced)

## SECTION II: COUNTRY-WISE ANALYSIS

Chapters 7 and 8 covers an analysis of key countries including Nigeria, Egypt, South Africa, Algeria, Morocco, Sudan, Angola, Kenya, Ethiopia, Tanzania, Libya, Tunisia, Ghana, Congo OR, Côte d’ivoire, Uganda, Cameroon, Zambia, South Sudan, Mozambique, Botswana, Senegal, Mali, Gabon, Mauritius, Burkina Faso, Chad, Equatorial Guinea, Namibia, Madagascar, Benin, Congo, Rwanda, Niger, Guinea, Mauritania, Malawi.

7. **SNAPSHOT OF KEY AFRICAN COUNTRIES**
   - Economic Scenario
   - Infrastructure Growth Indicators
   - Ease-of-Doing Business Indicators
   - Recent Policy Developments
   - Key Commissioned Projects

8. **CAPACITY ADDITION PLANS AND PROJECTIONS**
   - Budgetary Allocations and Outlays
   - Planned Capacity Additions
   - Proposed Investments
   - Sector-wise Capacity and Investment Targets

9. **TOP 10-15 INVESTMENT DESTINATIONS (Based on Upcoming Opportunities)**
   - Infrastructure Sector Overview
   - Private Investment Mobilised
   - Project Pipeline
   - Upcoming Big-ticket Projects
   - Key Successes and Failures
   - Challenges and Lessons Learnt
   - Market Opportunities
   - Country Outlook

## SECTION III: SECTOR-WISE ANALYSIS

- Electricity
- Renewable Energy
- Mining
- Oil and Gas
- Roads
- Railways
- Urban Transport
- Seaports
- Airports
- ICT
- Water and Sanitation

Each of the sectors covers:
   - Size and Growth, Emerging Trends and Recent Developments,
   - Proposed Investments, Upcoming Projects, Market Opportunities,
   - Issues and Challenges, Future Outlook

The report is available in a PDF format.
EXECUTIVE SUMMARY

SECTION I: OVERVIEW, RECENT TRENDS AND OUTLOOK

1. INFRASTRUCTURE MARKET SNAPSHOT
   - ASEAN Member Countries; ASEAN’s Macroeconomic Snapshot; Current State of Infrastructure in the Region; Current State of ASEAN’s Transportation Sector; Current State of ASEAN’s Energy Sector; Current State of ASEAN’s ICT and Water Sector; Recent Trends and Developments; Recent Policies and Reforms; Issues and Challenges; Upcoming Opportunities; Future Outlook and Projections

2. PROJECT PIPELINE AND MARKET OPPORTUNITIES
   - Overall Project Pipeline
   - Project Pipeline and Market Opportunities: By Country, Sector, Stage
   - Market Opportunities
   - Future Outlook

3. TOP UPCOMING PROJECTS
   - By Sector; Country; Status

4. INVESTMENT AND FINANCING SCENARIO
   - Trends in Infrastructure Spending
   - Investment Laws and Promotion Agencies
   - Key Investment Treaties and Agreements
   - Taxation Regime
   - Funding Sources: Government Funding, Multilateral Funding, Bilateral Funding, Bank Lending, Bond Financing, Private Equity, IPO
   - FDI Trends
   - Emerging Sources of Finance
   - Issues and Challenges
   - Investment Outlook and Projections

5. POTENTIAL FOR PRIVATE SECTOR PARTICIPATION
   - The Experience So Far; Business Models/Formats; Case Studies; Sector-wise Private Investments; Key Completed PPP Projects; Key Upcoming PPP Projects; Risks & Challenges; Outlook & Opportunities

6. THE EPC EXPERIENCE AND OUTLOOK
   - Current Scenario; Key ASEAN-based Players; Key Contracts (ASIAN-based Players); Foreign Players; Japan-China Competition for Construction Works; Sector-wise Experience; Issues and Challenges; Market Opportunities; Outlook

7. FOCUS ON REGIONAL COMMUNITY
   - ASEAN Economic Community; Master Plan on ASEAN Connectivity 2025; ASEAN Single Window; ASEAN Highway Network; ASEAN Smart Cities Network; ASEAN Single Aviation Market; ASEAN Single Shipping Market; ASEAN Power Grid and Asian Super Grid; ASEAN Broadband Corridor; China’s Belt Road Initiative (BRI); Key Upcoming Cross-border Projects under MPAC 2025; Proposed Investments and Sources of Finance

SECTION II: SECTORWISE ANALYSIS

8. ELECTRICITY GENERATION: CONVENTIONAL AND RENEWABLE
   - Size and Growth; Emerging Trends; Recent Developments; Technology Advancements; Costs and Tariffs; Key Completed Projects; Top Upcoming Projects; Proposed Investments; Capacity Addition Targets; Market Opportunities; Issues and Challenges; Future Outlook and Demand Projections

9. TRANSMISSION AND DISTRIBUTION INFRASTRUCTURE
   - Size and Growth; Smart Grid and Metering Initiatives; Emerging Trends; Recent Developments; Technology Advancements; Key Completed Projects; Top Upcoming Projects; Proposed Investments; Capacity Addition Targets; Market Opportunities; Issues and Challenges; Sector Outlook

10. OIL AND GAS: E&P, LNG AND PIPELINE INFRASTRUCTURE, REFINERY AND PETROCHEMICALS
    - Snapshot; Size and Growth; Current Infrastructure; Country-wise Facilities; Emerging Trends; Recent Developments; Growing Focus on EOR Technology; Key Completed Projects; Upcoming Projects; Proposed Investments; Capacity Addition Targets; Market Opportunities; Issues and Challenges; Sector Outlook

11. ROADS
    - Size and Growth; Emerging Trends; Recent Developments; Technology Advancements; Key Completed Projects; Top Upcoming Projects; Proposed Investments; Capacity Addition Targets; Market Opportunities; Issues and Challenges; Sector Outlook

12. RAILWAYS
    - Size and Growth; Key Trends; Recent Developments; Planned Capacity/Network Addition; Proposed Investments; Top Upcoming Projects; Market Opportunities; Issues & Challenges; Sector Outlook

13. URBAN TRANSPORT
    - Size and Growth; Clean Bus Market; Experience So Far; Key Contracts; Procurement Plans; Emerging Trends; Recent Developments; Technology Advancements; Key Completed Projects; Planned Capacity Addition; Proposed Investments; Project Pipeline (till 2030); Capacity Addition Targets; Top Upcoming Projects; Market Opportunities; Issues and Challenges; Sector Outlook

14. SEAPORTS
    - Size and Growth; Emerging Trends; Recent Developments; Key Technological Developments; Key Completed Projects; Top Upcoming Projects; Proposed Investments; Capacity Addition Targets; Market Opportunities; Issues & Challenges; Sector Outlook

15. AIRPORTS
    - Size and Growth; Emerging Trends; Recent Developments; Technology Advancements; Tariff Trends; Key Completed Projects; Top Upcoming Projects; Proposed Investments; Capacity Addition Targets; Market Opportunities; Issues & Challenges; Sector Outlook

16. ICT
    - Size and Growth; Emerging Trends; Recent Developments; Technology Advancements; Key Projects; Investment and Capex Plans; Issues and Challenges; Opportunities and Outlook

17. WATER AND WASTE
    - Overview; Size and Growth; Emerging Trends; Recent Developments; Technology Advancements; Costs and Tariffs; Key Completed Projects; Top Upcoming Projects; Proposed Investments; Capacity Addition Targets; Market Opportunities; Issues and Challenges; Sector Outlook

SECTION III: COUNTRY ANALYSIS

18. INTER-COUNTRY COMPARISON INFRASTRUCTURE GROWTH, PLANS AND PROJECTIONS
    - Economic Growth and Trade Scenario; Country-wise Socio-Economic Indicators; Ease of Doing Business Indicators; Current Infrastructure Size; Growth in Past Five Years

19. COUNTRY PROFILES
    - Brunei; Cambodia; Indonesia; Lao PDR; Malaysia; Myanmar; The Philippines; Singapore; Thailand; Timor-Leste; Vietnam
    Each country profile covers the economic scenario, sector-wise global competitive-ness rankings, current state of infrastructure, sector-wise size and growth, snapshot of project pipeline and trends in budgetary allocations.

The report is available in a PDF format.

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# Opportunities in the Indian Healthcare Market

Emerging Trends, Role of Technology and New Opportunities  
(Draft ToC)

## Table of Contents

### EXECUTIVE SUMMARY

### SECTION I: TRENDS, DEVELOPMENTS AND MARKET ANALYSIS

1. MARKET OVERVIEW  
   - Current Status: Coverage, Infrastructure Creation & Spending  

2. GOVERNMENT POLICIES, PLANS AND PROGRESS
   - Policy and Institutional Framework  
   - Impact of GST  
   - National Health Profile 2018  
   - National Health Policy, 2017: Key Features, Priority Areas and Targets, Key Benefits and Impact  
   - National Health Mission: Scope and Key Components Key Achievements and Targets, Role of Private Players  
   - Ayushman Bharat Yojana: Scope and Key Components, Progress So Far, Issues and Challenges, Future Targets  
   - Other Key Government Programmes

3. SECTOR OUTLOOK AND KEY PROJECTIONS (2024-25)

4. PROJECT PIPELINE AND MARKET OPPORTUNITIES
   - Pipeline Analysis: By Ownership (Public and Private), Category (Hospitals, Super Specialties & Medicities, Pathology Centres, etc.), Location, Status  
   - Market Opportunities in Key Segments: AI and Machine Learning, Data Analytics, Health Apps and mHealth, Telemedicine, Medical Tourism, Medical Device and Equipment, Others

5. INVESTMENT EXPERIENCE
   - Healthcare Spending Trends; Private Investment & Role of PPPs; Emerging Business Models; Financing Trends: Debt Funding, Private Equity Deal Scenario, Recent IPOs, Mergers and Acquisitions, FDI Inflow, Others; New and Innovative Funding Sources; Role of Global Investors; Risks & Returns; M&A Opportunities; Investment Outlook

### SECTION II: HEALTHCARE INFRASTRUCTURE: SEGMENT ANALYSIS AND OPPORTUNITIES

6. HOSPITALS
   - Growth in the Past Five Years, Recent Trends, Key Completed Projects, Expected Capacity Addition, Key Players, Future Investment Requirement, Top Upcoming Projects, Issues and Challenges, Future Outlook, Market Opportunities

7. SUPER SPECIALTIES AND MEDICITIES
   - Growth in the Past Five Years, Key Completed Projects, Case Studies, Key Players, Top Upcoming Projects, Segment Outlook, Market Opportunities

8. DIAGNOSTICS AND PATHOLOGY CENTRES
   - Segment Overview, Key Trends and Financings, Growth in Private Spending, Key Players, Top Upcoming Projects, Market Opportunities

### SECTION III: EQUIPMENT AND INSURANCE MARKET: PROGRESS, OPPORTUNITIES AND PROJECTIONS

9. MEDICAL DEVICE AND EQUIPMENT INDUSTRY
   - Market Size and Growth  
   - Growth Drivers  
   - Key Players  
   - Types of Medical Devices and Equipment: Diagnostic Imaging, Consumables, Patient Aids, Orthopaedic Prosthetics, Dental Products, Others  
   - Upcoming Medical Equipment Manufacturing Projects  
   - Market Projections for Key Medical Equipment (Till 2024-25)  
   - Industry Outlook

10. HEALTH INSURANCE
    - Evolution of Health Insurance  
    - Health Insurance Penetration: Industry-level Analysis, Trends in Life, Non-life and Industry  
    - Health Insurance Premium Trends  
    - Impact of National Health Protection Scheme  
    - Gross Premium Written and Incurred Claims Ratio  
    - Market Composition – Trends in Public, Private and Standalone Health Insurance  
    - State-level Initiatives  
    - Recent Developments  
    - Key Players  
    - Issues and Challenges  
    - Outlook and Future Prospects

### SECTION IV: DIGITAL HEALTHCARE, ROLE OF TECHNOLOGY & EMERGING GROWTH AREAS

This section will feature views of key personnel from the healthcare industry and technology providers on the growing role of AI, robotics, data analytics and healthcare applications.

11. ARTIFICIAL INTELLIGENCE: POTENTIAL AND OPPORTUNITIES
    - The Experience So Far  
    - Key Applications: Type/Product (Hardware & Software), End-users  
    - Machine Learning Technologies and Their Impact  
    - Expected Impact on Healthcare Landscape  
    - Case Studies  
    - Key Technology Providers  
    - Key Opportunity Areas  
    - Potential Barriers  
    - Industry Perspective  
    - Future Prospects

12. DATA ANALYTICS IN HEALTHCARE
    - Big Data and IoT, Cloud, Robotics and Process Automation, Blockchain, Others  
    - The Experience So Far, Role of Healthcare Startups, mHealth: Progress and Experience, Potential for Digital Pharmacies, Future Outlook

13. HEALTHCARE PLATFORMS & APPLICATIONS: mHEALTH & DIGITAL PHARMACIES
    - The Experience So Far, Role of Healthcare Startups, mHealth: Progress and Experience, Potential for Digital Pharmacies, Future Outlook

14. TELEMEDICINE IN HEALTHCARE DELIVERY
    - The Experience So Far, Market Size and Growth, Case Studies, Future Potential and New Opportunities, Issues and Challenges, Future Outlook

15. MEDICAL TOURISM
    - The Experience So Far, Market Size and Growth, India’s Low-cost Advantage, Plans of Key Hospitals, Future Potential, Issues and Challenges

The report will be available in a PDF format

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Price: Rs 75,000 (USD 1,770)
SECTION I: INVESTMENT OVERVIEW AND OUTLOOK

EXECUTIVE SUMMARY

1. INVESTMENT EXPERIENCE .......................... - By Sector - Equity Financing, By Source - Equity Financing, Investment Trends, Historical Rates of Return, Key Successful Exits, Debt Financing, Key Risks in Equity Investments

2. INVESTMENT OPPORTUNITIES .............................. - Growth Drivers; Investment Requirements and Projections; Investment Outlook; Investment Opportunities - by Sector, Source

3. NEW SOURCES OF INVESTMENT ............................. - Current Scenario, Insurance Funds, Pension Funds, Sovereign Wealth Funds, National Investment and Infrastructure Fund, Outlook

4. EMERGING FINANCING INSTRUMENTS ........................ - Infrastructure Debt Funds, Infrastructure Investment Trusts (InvITs), Bond Financing, Outlook

SECTION II: ANALYSIS BY SOURCE/TYPE

5. PROJECT EQUITY .............................................. - Size and Growth, Key Factors Impacting Investment Activity, Investment Experience: Shift in Strategy, Key Exits, Sector-wise Analysis, Key Players, Key Deals and Transactions since 2015-16, Key Investment Areas, Investment Outlook, Expected Rates of Returns

6. PRIVATE EQUITY IN UNLISTED FIRMS ........................ - Size and Growth, Investment Experience, Returns from Past PEUC Investments, Successful Investments, Disappointing Exits, Sector-wise Analysis, Key Players, Recent Deals and Transactions, Outlook and Expected Returns

7. PRIVATE INVESTMENT IN PUBLIC EQUITY (PIPE) .......................... - Size and Growth, Investment Experience, Historical Returns, Successes and Failures, Sector-wise Analysis, Key Players, Recent Deals and Transactions, Outlook and Expected Returns

8. INITIAL PUBLIC OFFERINGS ............................... - Size and Growth, Investment Landscape, Historical Returns, Successes and Failures, Sector-wise Analysis, Recent Issuances, Follow-on Public Offers, Outlook and Expected Returns

9. QUALIFIED INSTITUTIONAL PLACEMENTS .......................... - Size and Growth, Current Environment, Experience from Past QIPs, Sector-wise Analysis, Recent Issuances, Outlook

SECTION III: ANALYSIS BY SECTOR

10. CONVENTIONAL POWER ..................................... - Size and Growth; Recent Trends; Investment Experience; Historical Rates of Return; Successes and Failures; Recent Deals; Investment Requirement; Project Pipeline; Investment Opportunities; Outlook: Generation, Transmission, Distribution; The Way Forward and Expected Returns

11. RENEWABLES ................................................. - Size and Growth, Recent Trends, Recent Policy Announcements, Investment Experience, Key Exits and Past Returns, Key Recent Deals, Project Pipeline (by capacity addition), Project Pipeline (by investment requirement), Investment Opportunities, Sector Outlook, Expected Returns

12. ROADS ......................................................... - Size and Growth, Recent Trends, Investment Experience, Historical Rates of Returns, Successes and Failures, Key Recent Deals and Transactions, Project Pipeline, Investment Requirement (till 2020-21), Investment Opportunities, Expected Rates of Returns, Sector Outlook

13. PORTS .......................................................... - Size and Growth - Traffic, Capacity; Recent Trends; Investment Experience; Key Exits and Past Returns; Past Deals; Sagarmala Programme; Project Pipeline (by capacity addition, investment requirement); Investment Opportunities; Sector Outlook

14. AIRPORTS ....................................................... - Current Market Size, Growth in Recent Years, Key Trends, Investment Experience, Successes and Failures, Key Deals and Transactions, Project Pipeline (by capacity addition), Investment Requirement (by investment requirement), Investment Opportunities, Sector Outlook, The Way Forward and Expected Returns

15. WATER SUPPLY AND SANITATION .......................... - Size and Growth, Recent Trends, Investment Experience and Historical Returns, Project Pipeline (by capacity addition, investment requirement), Investment Opportunities, Trend in Deal Activity, Sector Outlook and Expected Returns

16. URBAN TRANSPORT ........................................ - Size and Growth, Recent Trends, Investment Experience, Historical Rates of Returns, Recent Financings, Project Pipeline (by capacity addition, investment requirement), Investment Opportunities, Expected Rates of Returns, Sector Outlook

17. RAILWAYS ....................................................... - Size and Growth, Key Trends, Investment Experience, Historical Rates of Returns, Successes and Failures, Key Recent Deals/Transactions, Investment Requirement, Investment Opportunities, Project Pipeline, Update on DFC, Upcoming Projects, Recently Approved Projects, Sector Outlook

18. TELECOM ....................................................... - Size and Growth - Subscriber Base, Towers, Mobile Subscriptions; Recent Developments; Investment Experience; Key Exits and Past Returns; Key Successes and Failures; Recent Deals; Investment Requirement; Investment Opportunities; Sector Outlook

19. LOGISTICS ..................................................... - Size and Growth, Recent Trends, GST - A Game Changer, Investment Experience, Historical Rates of Returns, Key Successful Exits, Key Recent Deals and Transactions, Investment Requirement, Opportunities Areas for PE Investors, Sector Outlook - Transport Segment, Sector Outlook - Storage/Warehouse Segment, Sector Outlook - Emerging Sub-segments, Expected Returns and The Way Forward, Summary

20. ENGINEERING, PROCUREMENT AND CONSTRUCTION .......................................................... - Size and Growth, Recent Developments, Investment Experience, Historical Rates of Returns, Successes and Failures, Past Exits, Key PE Deals, Investment Requirement, Investment Opportunities, Sector Outlook

The report is available in a PDF format.
Irrigation Market in India (August 2019)

Emerging Trends, New Techniques, Upcoming Projects and Opportunities

Table of Contents

EXECUTIVE SUMMARY

SECTION I: OVERVIEW, GOVERNMENT INITIATIVES, OUTLOOK AND OPPORTUNITIES

1. AGRICULTURE SECTOR OVERVIEW
   - Size and Growth, Key Trends, Government Initiatives, Export and Import of Agricultural Products, Institutional and Policy Framework, Growth Drivers, Investment Projections (2019-20 to 2023-24), Sector Outlook

2. IRRIGATION OVERVIEW
   - Size and Growth, Irrigation Potential, Notable Trends, Type of Projects (Major, Medium and Minor), Recent Policies, Regulations and Programmes, Targets and Achievements, Issues and Challenges, Upcoming Opportunities, Future Outlook and Projections

3. WATER DEMAND AND SUPPLY SOURCES
   - Demand for Water: By Sector, State; Water Availability and Sources: Surface water, Groundwater; Alternative Sources; Water Supply Demand Gap; Demand Outlook

4. PROJECT PIPELINE AND ANALYSIS
   - Demand for Water Overall Project Pipeline
   - Project Pipeline Analysis: By Region, State, Stage of Development, Type of Irrigation System, Completion Period
   - Expected Capacity Addition
   - Top 50 Upcoming Projects

5. SECTOR OUTLOOK AND MARKET OPPORTUNITIES
   - Demand for Water Overall Project Pipeline
   - Growth Drivers
   - Investment Requirements
   - Market Opportunities: EPC Contractors, Pumps Manufacturers, Pipe Manufacturers, Meter Manufacturers, Storage System Providers, Technology Providers

6. GOVERNMENT PROGRAMMES
   - Pradhan Mantri Krishi Sinchayee Yojana (PMKSY), Accelerated Irrigation Benefits Programme, Bharat Nirman Programme, Participatory Irrigation Management, Interlinking of Rivers (ILR) Programme, Command Area Development and Water Management, Atal Bhujal Yojana (ABHY) - National Groundwater Management Improvement Program, Dam Rehabilitation and Improvement Programme, National Aquifer Mapping Program (Naqum)

7. COST STRUCTURE AND WATER TARIFFS
   - Existing Tariff Structure, Water Charges across States, Recent Tariff Revisions, Key Cost Components of Irrigation Systems, Subsidy Components, Issues and Challenges

8. FINANCING SCENARIO AND OUTLOOK
   - Key Funding Sources, Union Budget 2019-20: Announcements and Expected Impact, Expenditure Trends, The PPP Experience and Potential, Issues and Challenges, Future Outlook

SECTION II: STATE FOCUS

9. STATE AGRICULTURE PROFILES
   - Andhra Pradesh, Telangana, Bihar, Chhattisgarh, Gujarat, Haryana, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Uttarakhand, Tamil Nadu, Uttar Pradesh, West Bengal

SECTION III: STORAGE AND PIPELINE INFRASTRUCTURE

10. IRRIGATION STORAGE SYSTEMS
    - Types of Irrigation Storage Systems, Storage Practices, PMKSY, Innovations and Advancements, Key Ongoing Projects, Key Upcoming Projects, Issues and Challenges, Future Outlook

11. PIPES AND PIPING SYSTEMS
    - Overview, Market Size and Growth - Current and Projected, Cost Analysis, Case Studies, Major Pipe Manufacturers, Upcoming Tenders, Issues and Challenges

SECTION IV: TECHNOLOGY AND EQUIPMENT MARKET

12. IRRIGATION TECHNIQUES AND TECHNOLOGY
    - Current Technology Deployment, Key Irrigation Techniques (drip, sprinkler, center pivot, pot), Notable Innovations and Advancements, Initiatives for Improving Water Use Efficiency, Best Practices, Future Outlook

13. FOCUS ON MICRO IRRIGATION
    - Salient Features, The Experience so far, Focus on Integrated Micro-Irrigation, Potential for PPP, Government Initiatives, New Trends and Advancements, Future Outlook

14. PUMPS AND PUMPING SYSTEMS

15. METERS AND OTHER EQUIPMENT REQUIREMENTS
    - Equipment Market for Irrigation - Current Size, Types of Meters Installed (manual, AMR, ultrasonic bulk flow meters, etc.), Other Ancillary Equipment Requirements, Major Players, Sourcing Options, Innovations & Advancements, Future Demand Projections

SECTION V: PROFILES OF KEY PROJECTS AND MARKET PLAYERS

16. KEY COMPLETED PROJECTS
    - Analysis of the Completed Projects; Key Completed Projects: Integrated Kaleshwaram Irrigation Project, Mohanpur Multipurpose Project, Hundil Neeva Sujaala Sraavanti Irrigation Project Phase II, Bansagar Canal Project, Nandur Madhameshwar Major Irrigation Project-Phase-II, Pattiseema Lift Irrigation Scheme, Sindhu Irrigation Project - Phase II, Bawanti Irrigation Project, RET Medium Project Irrigation (KBK), Warna Major Irrigation Project, etc.

17. KEY ONGOING PROJECTS

18. KEY PLAYERS/CONTRACTORS

Each player profile gives information on the company overview, project portfolio (completed and ongoing projects), financial performance, future plans, etc.

The report is available in a PDF format.

www.indiainfrastructure.com

No. of slides: 692  Price: Rs 110,000 (USD 2,596)
1. EXECUTIVE SUMMARY

SECTION I: MARKET OVERVIEW AND TRENDS

2. BANKING TECHNOLOGY OVERVIEW
- Technology in Banking - Fintech versus Techfin
- IT Spending in India
- Global versus Indian Fintech Market
- Segments and Major Players in the Fintech Market
- Major Fintech Deals and Investments in India
- Current Tech Infrastructure of Banks
  - ATMs and PoS Terminals
  - Mobile and Internet Banking
  - Payments and Clearing Systems
- Growth of Fintech Market and Key Developments
  - Payments and Wallets
  - Alternate Lending
  - Key Issues and Challenges

3. APPLICATION AREAS IN FOCUS
- Core Banking
  - Areas and Applications
  - Key Players and Products
  - Initiatives by Major Banks
  - Issues, Outlook and Prospects
- Risk, Identity and Security
  - Areas and Applications: Cybercrime and Fraud, Anti-money Laundering, Identity and Authentication
  - Key Players and Products
  - Initiatives by Major Banks
  - Issues, Outlook and Prospects
- Cloud Computing
  - Key Models: Private, Public and Hybrid, IaaS, SaaS, PaaS
  - Areas and Applications: Data Analytics, Mobility Applications
  - Key Players
  - Initiatives by Major Banks
  - Issues, Outlook and Prospects
- Enterprise Applications
  - Evolution and Trends
  - Major Application Areas: Data Management, Business Intelligence, ERP
  - Key Players and Products
  - Outlook and Prospects

4. ISSUES, OUTLOOK AND PROSPECTS
- Growth Drivers for Fintech Adoption
- Policy Developments Impacting Fintech
- Outlook for Fintech Infrastructure (ATMs, PoS, Mobile and Internet Banking, Payments)
- Future Prospects and Outlook for:
  - Blockchain
  - AI and Data Analytics
  - Key Issues and Challenges for Fintech

SECTION II: TOP TECHNOLOGY TRENDS FOR THE FUTURE

5. BLOCKCHAIN
- Technology Overview and Evolution
- Major Use Cases in Banking
  - Trade Finance

6. ARTIFICIAL INTELLIGENCE, DATA ANALYTICS AND ROBOTICS
- Technology Overview and Concepts-AI, Data Analytics and Robotics
- The Categories under AI
  - Business segments: Analytics, NLP, Computer Vision, RPA and Speech Recognition
- Learning Methods: Machine Learning, Deep Learning
- Investment Trends in AI - Global and in India
- Key Use Cases of AI, Data Analytics and Robotics in Banking
- Investment - Robo Advisory and Algorithmic Trading
- Lending and Credit Analysis
- Fraud Detection and Risk Management
- Customer Support and CRM
- Regulatory and Compliance
- Robotics in Banking and Finance
- Case Studies
- AI - Fraud Detection
- AI - Data Analytics
- AI - Investment & Trading
- Key Global and Indian Players and Products
- Initiatives by Leading Indian Banks
- Key Issues and Challenges
- Outlook and Prospects - Global and Indian Market

7. APIS AND OPEN BANKING SYSTEMS
- APIs - Technical Overview and Evolution
- Applications and Uses
- Open Banking - The Origins and Developments
- The Different Models of API Banking
  - Bank Channel
  - App Market
  - Distributor
  - Aggregator
  - Banking as a Platform
- Case Studies in Open Banking
  - CBW-Leveraging APIs
  - Fidor Bank - The Bank as a Platform
  - The Monetary Authority of Singapore(MAS) Initiative
  - Other Cases in Open Banking
- Current Initiatives by Banks and Fintech Players in India
- Key Issues and Challenges
- Opportunities and Prospects for Opening Banking in India

The report is available in a PDF format.
# Mergers and Acquisitions in Infrastructure and Real Estate 2017

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

## Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SECTION I: MARKET ANALYSIS AND OUTLOOK</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. OVERVIEW</td>
<td></td>
<td>Macroeconomic Trends, Growth in M&amp;A Activity, Overall M&amp;A Trends, Big Ticket Deals, Sector-wise Analysis, Recent Policy and Regulatory Reforms, Valuations and Returns, Issues and Concerns, Outlook</td>
</tr>
<tr>
<td>2. DEAL ANALYSIS AND TRENDS</td>
<td></td>
<td>Current Size, Growth Trends, Sectoral Analysis, Top Deals since 2014</td>
</tr>
<tr>
<td>3. STRESSED ASSETS</td>
<td></td>
<td>Current Scenario, Sector-wise Break-up of Stressed Assets, SDR and S4A Schemes, Recent Companies invoking SDR/S4A, Key Buyers Groups, Issues and Challenges, Projects/Sectors at Risk of Slipping into Stressed Territory</td>
</tr>
<tr>
<td>4. VALUATIONS TRENDS AND RETURNS</td>
<td></td>
<td>Current Valuation Scenario, Key Valuation Trends, Factors Impacting Valuations, Issues and Challenges, Historical Returns, Expected Returns, The Way Forward</td>
</tr>
<tr>
<td>5. FOCUS ON BUYER/INVESTOR GROUPS</td>
<td></td>
<td>Deal Analysis by Buyer Groups, Most Active Investors, Investment Strategies, Exit Strategies, New Funds Launched since 2016 (Infrastructure and Real Estate Focused)</td>
</tr>
<tr>
<td>6. IMPACT OF KEY POLICY AND REGULATORY CHANGES</td>
<td></td>
<td>FDI Norms; Insolvency and Bankruptcy Code, 2016; Issues with Debt Restructuring Schemes; Impact of REITs/InvITs; General Anti Avoidance Rules (GAAR); Sector-specific Policy Changes; Other Recent Regulatory Changes</td>
</tr>
<tr>
<td>7. FUTURE OUTLOOK</td>
<td></td>
<td>Growth Drivers, Outlook for M&amp;A Activity across Sectors, Outlook on Valuations, Expected Split of Buyer Groups, Factors that could inhibit M&amp;As</td>
</tr>
<tr>
<td><strong>SECTION II: DEAL TYPE ANALYSIS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. MERGERS AND ACQUISITIONS</td>
<td></td>
<td>M&amp;A Concept, Size and Growth, Investment Experience, Sectoral Trends, Focus on Joint Ventures, Valuations Scenario, Key Recent Deals, Outlook and Opportunities</td>
</tr>
<tr>
<td>9. ACQUISITION BY FINANCIAL INVESTORS</td>
<td></td>
<td>Size and Growth, Investment Experience, Sectoral Trends, Valuations Scenario, Historical Returns, Key Recent Deals, Key Deals by ARCs, Outlook and Opportunities</td>
</tr>
<tr>
<td>10. ASSET SALES</td>
<td></td>
<td>Current Scenario, Size and Growth, Investment Experience, Sectoral Trends, Key Recent Deals, Analysis by Buyers, Valuation Scenario, Past Returns, Outlook and Opportunities</td>
</tr>
<tr>
<td><strong>SECTION III: SECTORAL ANALYSIS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. ROADS</td>
<td></td>
<td>Size and Growth, Key Policy Changes, M&amp;A Landscape and Activity, Analysis of Deals, Outlook and Opportunities</td>
</tr>
<tr>
<td>12. PORTS</td>
<td></td>
<td>Size and Growth, Key Policy Changes, M&amp;A Landscape and Activity, Analysis of Deals, Outlook and Opportunities</td>
</tr>
<tr>
<td>13. CONVENTIONAL POWER</td>
<td></td>
<td>Size and Growth, Key Policy Changes, M&amp;A Landscape and Activity, Analysis of Deals, Outlook and Opportunities</td>
</tr>
<tr>
<td>14. RENEWABLES</td>
<td></td>
<td>Size and Growth, Key Policy Changes, M&amp;A Landscape and Activity, Analysis of Deals, Outlook and Opportunities</td>
</tr>
<tr>
<td>15. TELECOMMUNICATIONS</td>
<td></td>
<td>Size and Growth, Key Policy Changes, M&amp;A Landscape and Activity, Analysis of Deals, Outlook and Opportunities</td>
</tr>
<tr>
<td>16. OIL AND GAS</td>
<td></td>
<td>Size and Growth, New HELP Regime, New Gas Pricing Policy for HPHT and Deepwater Fields, Other Key Policy Changes, M&amp;A Landscape &amp; Activity, Analysis of Deals, Outlook and Opportunities</td>
</tr>
<tr>
<td>17. URBAN INFRASTRUCTURE</td>
<td></td>
<td>Size and Growth, Key Policy Changes, M&amp;A Landscape and Activity, Analysis of Deals, Outlook and Opportunities</td>
</tr>
<tr>
<td>18. LOGISTICS</td>
<td></td>
<td>Size and Growth, Game Changer - GST, Key Growth Drivers, M&amp;A Landscape &amp; Activity, Analysis of Deals, Outlook and Opportunities</td>
</tr>
<tr>
<td>19. CEMENT AND STEEL</td>
<td></td>
<td>Size and Growth, Key Policy Changes, M&amp;A Landscape and Activity, Analysis of Deals, Outlook and Opportunities</td>
</tr>
<tr>
<td>20. REAL ESTATE</td>
<td></td>
<td>Size and Growth, Key Policy Changes, M&amp;A Landscape and Activity, Analysis of Deals, Outlook and Opportunities</td>
</tr>
<tr>
<td><strong>SECTION IV: LIST OF M&amp;A DEALS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>23. DATA SET</td>
<td></td>
<td>The data set includes a complete list of M&amp;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.</td>
</tr>
</tbody>
</table>

The report is available in a PDF format.
Opportunities in Indian Defence Market 2019

Market Analysis, Potential for Offsets and Future Outlook

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

EXECUTIVE SUMMARY

SECTION I: RECENT TRENDS, DEVELOPMENTS AND OUTLOOK

1. SECTOR OVERVIEW

- Existing Infrastructure Gaps
- Industry Structure and Key Agencies
- Growth Drivers
- R&D Landscape
- Trends in FDI
- Trends in Exports and Imports
- Trends in Budgetary Allocations
- Key Developments
- Issues and Challenges
- Sector Outlook

2. DPP 2016 AND STRATEGIC PARTNERSHIP MODEL

- An Introduction to DPP
- DPP 2016
- Decoding Acquisition Categories
- Buy (Indian - IDDM)
  - Impact on Capital Procurement under the Buy Indian (IDDM) and Make Indian Categories
  - Amendments to DPP 2016
  - Impact of Amendments
  - Strategic Partnership Model
- Next Steps Towards New DPP - Draft DPP-2018
- State-Level Defence Manufacturing Policies
- Unresolved Issues and Concerns

3. DEFENCE MANUFACTURING LANDSCAPE

- Current Scenario; Defence Production by DPSUs/OFB; Capital Expenditure; Growth Drivers; Key Developments; Industrial Licensing, FDI; Defence Electronic Manufacturing; Focus on Modernisation; Acquisition under Make in India; Current Role of MSMEs; Measures to Improve MSMEs Potential; Potential Role of MSMEs; Upcoming Contracts; Market Opportunity; Future Outlook

4. POTENTIAL FOR PRIVATE SECTOR PARTICIPATION

- Experience So Far; Major Developments; Key Players; SP Policy; Impact of the Strategic Partnership Policy; Key Completed/In Process of Delivery Projects; Focus on JVs and Collaborations; Tax Environment; State-level Incentives; Recently Awarded Contracts; Emerging Areas of Private Participation; Upcoming Opportunities; Issues and Challenges; The Way Forward

5. SECTOR OUTLOOK AND MARKET OPPORTUNITIES

- Investment Requirements; Budget Projections; Acquisition Plans of Armed Forces; Opportunities in Future Acquisitions/Programmes; Infrastructure Development (Manufacturing Clusters and Parks); Capital Acquisition in Defence Procurement; Segment-wise Opportunities

6. DEFENCE OFFSETS MARKET

- Evolution of Indian Defence Offset Industry; Progress So Far; Indian Offset Guidelines: Impact and Gaps; Discharged Offset Obligations; Key Offset Contracts and Performance; Incentives and Penalties; Issues and Challenges

7. FUTURE POTENTIAL AND OUTLOOK

- Upcoming Contracts and Orders; International Best Practices; Expectations from the New Offset Guidelines; Outlook and Opportunities; Next Steps for IOPs

SECTION II: DEFENCE OFFSETS: PROGRESS AND OPPORTUNITIES

8. KEY SEGMENTS

- Aerospace; Overview; Global Aerospace Industry; Fleet Size; IAF Aircraft; Industry Structure; Key Domestic Players; Key International Players; Other Key Vendors; Trends in Aerospace Expenditure; Export and Imports; Role of DRDO and OFB; Key Contracts Awarded; Collaborations and Tie-ups; Upcoming Contracts and Orders; Make in India Initiative; Products under Make in India; Impact of Make in India on Indigenisation; Focus on Indigenisation; Focus on Indigenisation - Requirements of IAF; Modernisation Plans – Ongoing and Completed; New Launches; Big-ticket Projects; RFIs and RFPs; Market Opportunities; Segment Outlook
- Armoured and Defence Logistics Vehicles: Introduction; Trends in Expenditure; Market Size of Armoured and Defence Vehicles; Industry Structure; Key Public and Private Players - Armoured and Defence Vehicles; Key Public and Private Players - Heavy/Construction Vehicle; Providers; Key Developments; Key Contracts Awarded; Key Collaborations and Tie-ups; Make in India and Focus on Indigenisation; Impact of Make in India; R&D initiatives; Modernisation Plans - Armoured Vehicles; New Launches/Inductions/Upgrade; Upcoming Contracts; Market Opportunity; Segment Outlook
- Arms and Ammunition: Market Size and Growth; Trends in Expenditure; Key Contracts Awarded; Industry Structure and Key Players; Role of DRDO; Role of OFB; Collaborations and Tie-ups; Impact of Make in India on Indigenisation; Modernisation Plans and New Product Launches; Upcoming Contracts; Segment Outlook
- Electronics and Communication Systems: Market Size and Growth; Impact of the Strategic Partnership Policy; Key Completed/In Process of Delivery Projects; Focus on JVs and Collaborations; Tax Environment; State-level Incentives; Recently Awarded Contracts; Emerging Areas of Private Participation; Upcoming Opportunities; Issues and Challenges; The Way Forward
- Shipbuilding: Existing Fleet Size; Trends in Expenditure; Key Contracts Awarded; Industry Structure and Key Players; Role of DRDO; Collaborations and Tie-ups; Impact of Make in India on Indigenisation; PDCR 2018; R&D Initiatives; Modernisation Plans and New Product Launches; Upcoming Contracts and Orders; Segment Outlook
- Shipbuilding: Existing Fleet Size; Trends in Expenditure; Key Contracts Awarded; Industry Structure and Key Players; Role of DRDO; Collaborations and Tie-ups; Impact of Make in India on Indigenisation; PDCR 2018; R&D Initiatives; Modernisation Plans and New Product Launches; Upcoming Contracts and Orders; Segment Outlook

9. PROFILES OF DEFENCE PUBLIC SECTOR UNDERTAKINGS (DPSUS)

- Bharat Electronics Limited; Bharat Electronics Limited; Bharat Earth Movers Limited; Garden Reach Shipbuilders and Engineers Limited; Goa Shipyard Limited; Hindustan Aeronautics Limited; Hindustan Shipyard Limited; Mazagam Dock Limited; Mishra Dhatu Nigam Limited
- Dassault Aviation; Tata Group; Reliance Defence Limited; Punj Lloyd Limited
- Dornier; Hindustan Aeronautics Limited; Hindustan Shipyard Limited; Mazagam Dock Limited; Mishra Dhatu Nigam Limited

10. PROFILES OF PRIVATE PLAYERS

- Airbus Group India; Ashok Leyland Defence Systems; Bharat Forge Limited; BAE Systems India; Boeing India; Larsen and Toubro (L&T); Dassault Aviation; Tata Group; Reliance Defence Limited; Punj Lloyd Industries Limited; Mahindra Defence Systems; Adani Defence & Aerospace; Other Players (Domestic and Foreign)

Each profile gives an overview of the company’s operations, key contracts, recent collaborations, joint ventures, and future plans and strategies.
### ORDER FORM

Name (Block Letters): 

Designation: 

Company: 

Mailing Address: 

Telephone: Mobile 

Fax: E-mail 

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### Reports (PDF)

<table>
<thead>
<tr>
<th>Topic</th>
<th>Price (INR)</th>
<th>Price (USD)</th>
<th>Check</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENERGY</strong></td>
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<tr>
<td>Cost of Power for Discoms and Industrial Users</td>
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<tr>
<td>Electricity Tariff Trends in India</td>
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<tr>
<td>Solar Power in Africa 2020</td>
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<td>Floating and Canal-based Solar PV Market in India</td>
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<tr>
<td>Wind-Solar Hybrid Market in India (July 2019)</td>
<td>60,000</td>
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</tr>
<tr>
<td>Commercial and Industrial Solar Market in India (November 2018)</td>
<td>50,000</td>
<td>1,180</td>
<td></td>
</tr>
<tr>
<td>City Gas Distribution Market in India (June 2019)</td>
<td>100,000</td>
<td>2,360</td>
<td></td>
</tr>
<tr>
<td>LNG Market in India (August 2018)</td>
<td>50,000</td>
<td>1,180</td>
<td></td>
</tr>
<tr>
<td>Waste to Energy (May 2018)</td>
<td>50,000</td>
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</tr>
<tr>
<td>Distribution Franchise in India (April 2018)</td>
<td>50,000</td>
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</tr>
<tr>
<td>Competitive Bidding for Wind Projects (May 2018)</td>
<td>50,000</td>
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<tr>
<td>Rooftop Solar in India 2019 (May 2019)</td>
<td>75,000</td>
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</tr>
<tr>
<td>Open-Access for Renewables (December 2018)</td>
<td>60,000</td>
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<tr>
<td>T&amp;D Equipment Market Projections in India 2019 (August 2019)</td>
<td>90,000</td>
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<td>Future of Solar O&amp;M in India (September 2018)</td>
<td>60,000</td>
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</tr>
<tr>
<td>Industrial and Commercial Grid Power Market in India (April 2017)</td>
<td>40,000</td>
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</tr>
<tr>
<td>Power Distribution in India (February 2019)</td>
<td>75,000</td>
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<td>Power Transmission in India (March 2018)</td>
<td>75,000</td>
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<tr>
<td>Captive Power in India (November 2015)</td>
<td>75,000</td>
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<tr>
<td>Coal-based Power Generation in India (May 2019)</td>
<td>75,000</td>
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<td>Hydro Power Market in India (May 2019)</td>
<td>75,000</td>
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<td></td>
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<td>Gas in India (November 2017)</td>
<td>75,000</td>
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</tr>
<tr>
<td>Solar Power in India (May 2017)</td>
<td>60,000</td>
<td>1,416</td>
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</tr>
<tr>
<td>Wind Power in India (August 2017)</td>
<td>60,000</td>
<td>1,416</td>
<td></td>
</tr>
<tr>
<td>Solar Plant Performance in India (January 2018)</td>
<td>60,000</td>
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<td></td>
</tr>
<tr>
<td>Charging Infrastructure for Electric Vehicles (March 2019)</td>
<td>80,000</td>
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<tr>
<td><strong>TRANSPORTATION</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Logistics in India (June 2019)</td>
<td>100,000</td>
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<td>Railways in India (February 2019)</td>
<td>110,000</td>
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<tr>
<td>Ports in India (February 2019)</td>
<td>110,000</td>
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<tr>
<td>Dredging in India (October 2018)</td>
<td>60,000</td>
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<td></td>
</tr>
<tr>
<td>Freight Market in India (October 2017)</td>
<td>60,000</td>
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<td></td>
</tr>
<tr>
<td>Storage Infrastructure in India (October 2017)</td>
<td>60,000</td>
<td>1,416</td>
<td></td>
</tr>
<tr>
<td>Airports in India (April 2019)</td>
<td>75,000</td>
<td>1,770</td>
<td></td>
</tr>
<tr>
<td>Road Development in India (January 2020)</td>
<td>110,000</td>
<td>2,596</td>
<td></td>
</tr>
<tr>
<td>Urban Rail in India (April 2019)</td>
<td>60,000</td>
<td>1,416</td>
<td></td>
</tr>
<tr>
<td>Clean Bus Market in India: Hybrid, Electric, Gas-Based (May 2018)</td>
<td>50,000</td>
<td>1,180</td>
<td></td>
</tr>
<tr>
<td>Container Market in India (October 2019)</td>
<td>80,000</td>
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<td></td>
</tr>
<tr>
<td><strong>CONSTRUCTION &amp; MINING</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Construction in India (March 2017)</td>
<td>75,000</td>
<td>1,770</td>
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</tr>
<tr>
<td>Mining in India 2019 (April 2019)</td>
<td>75,000</td>
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<td>Construction Materials Market (July 2016)</td>
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<td>Mining Equipment Market (May 2018)</td>
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<td><strong>URBAN INFRASTRUCTURE</strong></td>
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<td>Water Market in India 2019 (November 2019)</td>
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<td>Affordable Housing in India (September 2019)</td>
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<td>Smart Cities in India (April 2019)</td>
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**Total**

INR | USD
**Weekly Newsletters**

India Infrastructure Publishing brings out weekly newsletters that cover the latest developments in infrastructure sectors such as power, oil & gas, infrastructure finance, ports & shipping, roads & bridges, urban water & sanitation, telecom and aviation.

These newsletters are sent every Monday morning via e-mail or fax to provide subscribers with accurate, reliable, up-to-date and comprehensive information on the key developments in these sectors during the previous week.

This service is indispensable for anyone involved with the infrastructure sectors: developers/operators of infrastructure projects (public or private sector), regulators, policymakers, financiers, bankers, consultants, legal specialists, equity analysts, contractors, equipment manufacturers, service providers, etc.

The newsletters offered and their primary focus areas are:

<table>
<thead>
<tr>
<th>Newsletter</th>
<th>Focus Areas</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power News</strong></td>
<td>covers the latest developments in the Indian power sector across all key segments – generation, transmission and distribution. The focus areas of this newsletter are government policy, project updates, legal and regulatory developments, contracts and orders, corporate news, financings and reform/restructuring developments.</td>
</tr>
<tr>
<td><strong>Oil &amp; Gas News</strong></td>
<td>covers the latest developments in the Indian oil and gas sector in the upstream, midstream and downstream segments. The focus areas of this newsletter are developments in policy, exploration and production, downstream, LNG, transportation and finance. It covers news related to investments, contracts and orders, legal and regulatory affairs and corporate developments.</td>
</tr>
<tr>
<td><strong>Telecom News</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Ports &amp; Shipping News</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Roads &amp; Bridges News</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Infrastructure Finance News</strong></td>
<td>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 &amp; gas, ports &amp; shipping, roads &amp; 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.</td>
</tr>
<tr>
<td><strong>Aviation News</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Urban Water &amp; Sanitation News</strong></td>
<td>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.</td>
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<table>
<thead>
<tr>
<th>Newsletter</th>
<th>Price (INR)</th>
<th>Price (USD)</th>
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<tr>
<td>Oil &amp; Gas News</td>
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<td>Ports &amp; Shipping News</td>
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<td>Power News</td>
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<td>Urban Water &amp; Sanitation News</td>
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Please check ☑ the newsletters you would like to subscribe to.

*18 per cent GST is applicable*

## Total (Reports + Newsletters)

<table>
<thead>
<tr>
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<th>INR</th>
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## Contact Details

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