

Demystifying Business Opportunities in Indian Railways plan to fully electrify its rail network by 2021

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Abstracts

Electrification was introduced on IR in 1925 with 1500 Volts DC and subsequently, extended by installing 3000 Volts DC system. 388 RKMS. had been electrified by the year 1936. In 1957, Indian Railways decided to adopt 25 KV AC traction system and, thus, selected main lines and high-density routes were taken up for Energisation in a planned manner. Today, out of the seven major trunk routes connecting Mumbai, Kolkata, New Delhi and Chennai, six are fully electrified and work is in progress on the remaining Mumbai-Chennai route.

As part of a strategy to speed up the electrification of railway lines under 'Mission Electrification' plan unveiled November 2016. So far only 42% of... the lines are currently electrified. The Rail ministry is planning to increase its electrified network to 52,400 RKM by 2021. The Indian Railways is expecting to cut its fuel bill by Rs. 3,300 crore annually by 2020-21, by electrifying 90% of all broad gauge tracks under 'Mission Electrification' plan. In 2017-18 Budget, it was announced the Railways would tap the EPC route for expediting electrification projects. Electrical traction is as environmental friendly, pollution-free and energy efficient mode of transport and offer an excellent alternative to fossil fuels as a source of energy.

InfraInsights is of the view that the electrification drive in railways will lead to incremental demand for power, significant demand for overhead line equipment like auto transformer feeder, demand for substation projects and demand for electric locomotives & its allied components. The 35,000 crore electrification program could be just a starting point as nearly half of the railways network remains un-electrified and existing electrification might as well require retrofit. InfraInsights through its report 'Demystifying Business Opportunities in Indian Railways plan to fully electrify its rail network by 2021: Electrification of 52% of un-electrified network augurs well for

Electrical Equipment OEMs' intends to quantify the associated business opportunities for electrical equipment OEMs and OEMs of electric locomotives over a period of next five years i.e. 2021-22. InfraInsights will conduct in-depth primary research backed by secondary research and provide indispensable information, analysis and insights that can be baked into the business plan of companies that will be supplying its services and products to railways electrification program.

Contents

1. EXECUTIVE SUMMARY

2. APPROACH & METHODOLOGY

3. OVERVIEW ON INDIAN RAILWAYS

- a. Ministry of Railways
- b. Overall Structure of Indian Railways
 - 1. ZONES
- c. Railways Infrastructure
- d. Manufacturing Units

4. GOVERNMENTS PUSH FOR 100% ELECTRIFICATION

- a. Goal & Milestones
- b. Financing
- c. Premise for Electrification

5. STATUS OF ELECTRIFICATION IN RAILWAYS

- a. Network
 - 1. Y-O-Y TREND IN GROWTH IN NETWORK
 - 2. TREND IN ELECTRIFICATION OF NETWORK
 - 3. ELECTRIFIED VS UN-ELECTRIFIED NETWORK
 - 1. STATE WISE
- b. Locomotives
 - 1. NOS OF ELECTRIC LOCOS VS DIESEL LOCOS
 - 2. GROWTH IN ELECTRIC LOCOS
- c. Number of substations
 - 1. NUMBER OF SUBSTATIONS
 - 2. GROWTH IN NUMBER OF SUBSTATIONS

6. SIZE & SCALE OF ELECTRIFICATION PROGRAM

- a. Network to be electrified under programme
 - 1. IDENTIFYING ROUTE KMS TO BE ELECTRIFIED IN DIFFERENT STATES
 - 2. BRIEF PROFILE ON ROUTES / SECTION TO BE ELECTRIFIED

b. Status of electrification of network

1. PROPOSED, PLANNED, ANNOUNCED AND IN PROGRESS PROJECTS
2. 103 RAILWAY ELECTRIFICATION PROJECTS CONSISTING OF 16,815 RKMS

7. QUANTIFYING INCREMENTAL DEMAND FOR POWER

a. Current Electricity Demand

1. YEARLY POWER DEMAND & TRENDS
2. POWER CONSUMPTION
3. POWER SUPPLY

b. Incremental demand for power from electrification of un-electrified network

8. QUANTIFYING BUSINESS OPPORTUNITY FOR OVERHEAD LINE EQUIPMENT IN NETWORK ELECTRIFICATION

a. Estimating quantity of components of OLE equipment required

- i. Conductors
- ii. Auto Transformer Feeder
- iii. Other equipment in OLE
 1. MAST
 2. INSULATOR
 3. PULL OF ARM
 4. REGISTRATION ARM
 5. CONTACT WIRE

9. QUANTIFYING BUSINESS OPPORTUNITY FOR AUTO TRANSFORMER FEEDER SUBSTATION

a. Estimating need for new substations

1. CAPACITY AUGMENTATION
2. NEW SUBSTATION

a. Substation equipment incremental demand estimation

1. TRANSFORMERS
2. SWITCHGEARS

10. QUANTIFYING BUSINESS OPPORTUNITY IN LOCO ELECTRIFICATION

1. REPLACEMENT OF DIESEL LOCOMOTIVES FLEET
2. EXISTING MANUFACTURING CAPACITY & IMPORTS

3. NEW DEMAND PLUS REPLACEMENT DEMAND FOR ELECTRIC LOCO
4. DEMAND FOR COMPONENTS IN ELECTRIC ROLLING STOCK
 1. TRACTION MOTOR
 2. TRACTION GENERATOR
 3. AUXILIARY MACHINES
 4. TRACTION CONTROL GEAR EQUIPMENT
 5. RESISTOR
 6. TRACTION CONVERTER
 7. AUXILIARY INVERTER
 8. TRACTION ALTERNATOR
8. PROCUREMENT PRACTICES IN RAILWAYS
 - a. EPC vs multiple packages
 - b. Procurement Process
8. ANALYSIS OF TENDERS AWARDED FOR ELECTRIFICATION TILL DATE
9. KEY OEMS THAT WILL BENEFIT FROM THE ELECTRIFICATION DRIVE
10. MARKET STRATEGY OF DIFFERENT OEMS HAVING SBUS FOCUSED ON RAILWAYS

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