

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.

Infralnsights 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. Infralnsights 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.

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