



रेलटेल कॉर्पोरेशन ऑफ़ इंडिया लिमिटेड (भारत सरकार का उपक्रम)

RailTel Corporation of India Ltd. (A government of India Enterprise)

www.railtelindia.com

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Press Release

RailTel to Establish an IP-MPLS Network Connectivity in Odisha under OdishaNet Phase 1.0

RailTel has been awarded this project costing Rs 113.46-crore work order from Odisha Computer Application Centre (OCAC)

This project will involves connecting all the Districts of Odisha state through OPTCL's OPGW optical fiber connectivity to the state capital (SNOC, OCAC) through the IP MPLS network through state-of-the-art fiber network to provide desired Quality of Service (QoS).

RailTel, a PSU of Ministry of Railways has received an order of Rs 113.46 Cr for Establish an IP-MPLS Network Connectivity in Odisha under OdishaNet Phase 1.0.

The OdishaNet Phase 1.0 is proposed to provide IPMPLS connectivity from State Head Quarter (SHQ) to each District Head Quarters (DHQs) utilizing the spare fibers of OPGW cable of OPTCL (Odisha Power Transmission Corporation Ltd.). The end links are proposed from the OPTCL grid to the District Collector's office, where the District PoPs will be co-located with the OSWAN POP. In due course, this PoP will be shifted to a new PoP proposed in the Collector's office. The end links to the District Collector's office will be underground with an average length of nearly 5 Km per District. Though the fiber network will not be in a ring, the reliability of OPGW cable is good enough to give the network uptime of more than 99%. The network will be IPMPLS utilizing carrier grade state-of-the-art Routers and DWDM technology. The network will be scalable and has provision for expansion as the demand grows. Thus, phase I of Odisha Net 1.0 will be a steppingstone for future growth of connectivity in the state. Subsequently the network will be expanded to the Blocks/GPs/Villages. The performance monitoring of the network will be carried out from the existing SNOC. The proposed network should have its own EMS to be integrated to the SNOC for service provisioning and monitoring of the network. The network is meant for use by the Government for any G2G applications. However, the surplus bandwidth could be commercially leased to earn revenue. In due course, it could be extended to the GPs, and villages through the Blocks. All the networks leased from the operators by various departments could be considered for surrender once this network gets commissioned. The internet bandwidth could be centrally leased and extended to Districts and all horizontal offices resulting in economy of scale for the leased internet bandwidth.

The project work includes Provision of Supply and Installation of IPMPLS Data Networking Infrastructure leveraging the available underutilized OPGW cable of OPTCL (Odisha Power Transmission Corporation Ltd.) to build a reliable IPMPLS network up to the district headquarters, extending underground last mile on Fiber from OPTCL PoP to District Head Quarter. The proposed infrastructure is for future state-wide IP MPLS (SWAN). Provision for



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additional AC and DG sets to upgrade the SWAN infrastructure are also included in the scope of work

About RailTel

RailTel a "Mini Ratna (Category-I)" Central Public Sector Enterprise, is one of the largest neutral telecom infrastructure providers in the country owning a Pan-India optic fiber network covering several towns & cities and rural areas of the country. Along with a strong a reliable network of 60000+ RKM of Optic fibre, RailTel has two MeitY empaneled tier III data centers as well. With its Pan India high-capacity network, RailTel is working towards creating a knowledge society at various fronts and has been selected for implementation of various mission-mode projects for the Government of India in the telecom field. RailTel offers a bundle of services like, MPLS-VPN, Telepresence, leased line, Tower Co-location, Data center services etc. RailTel is also working with the Indian Railways to transform railway stations into digital hub by providing public Wi-Fi at railway stations across the country and total 6100+ stations are live with RailTel's RailWire Wi-Fi.

For more details please contact-

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