

## **ATM BASED PLANT WIDE NETWORKING FOR BHILAI STEEL PLANT**

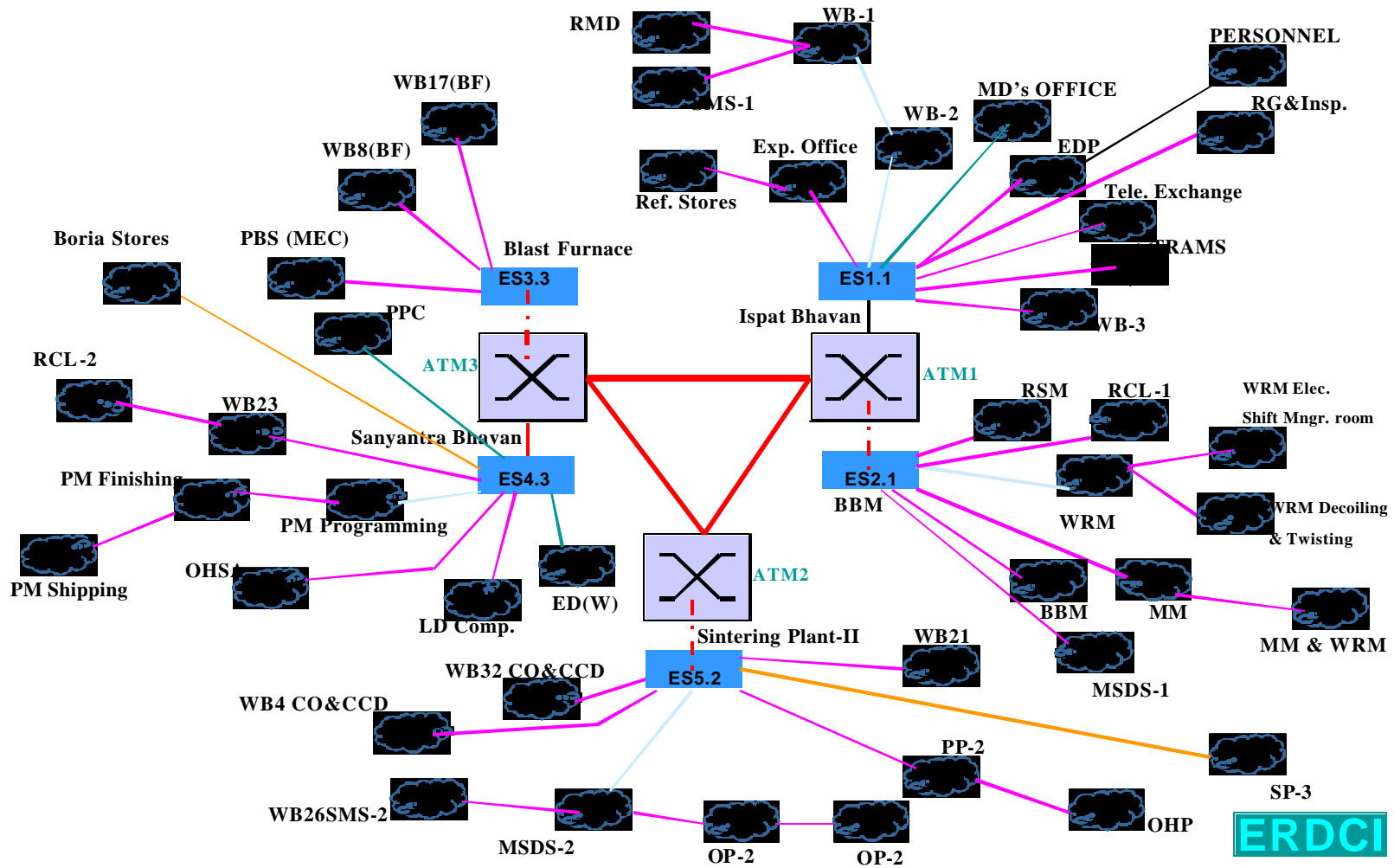
This project aims at networking 40 different departments in Bhilai Steel Plant. The project envisages state of the art Asynchronous Transfer Mode communication technology over fibre optics backbone. ATM with its quality of service is ideal for voice, data, and video integration.

The project envisages the latest ATM technology over fibre optics backbone for integrating the information islands of BSP. The project includes system engineering, network design, software development, system installation and commissioning of the heterogeneous computer systems in 40 different areas of the plant. The network consists of fibre backbone with three core ATM switches connected back to back and cable running for a distance of 70 kms.

The ATM project is jointly implemented by Electronics Research & Development Centre of India (ER&DCI), Thiruvananthapuram Unit and Bhilai Steel Plant (BSP). The overall cost (Rs 558.0 lakhs) of the project is jointly shared by Ministry of Information Technology (MIT) and Steel Authority of India (SAIL)

Two applications namely heat movement monitoring system (HMMS) and finished product inventory system (FIMS) is also implemented over network.

# NETWORK ARCHITECTURE OVERVIEW



# BACKBONE ARCHITECTURE

