

THE KHARAGPUR SOUTH EASTERN RAILWAY WORKSHOP: -

Kharagpur railway workshop was established in 18th century as a small repair workshop of Bengal Nagpur Railway. It has evolved and grown over the years to become the largest maintenance workshop of the Indian Railways. The 2019-2021 batch students visited the railway workshop to understand the production processes and operations therein.

TRAINING CENTRE:

Initial training of Apprentice Section Engineers and Junior Engineers, Assistant Diesel Drivers and Act Apprentices takes place here. State- of- the- art training labs have been made for Air conditioning and C&W topics. Simulation welding labs, arc, straight line, plasma cutting welding shops and work benches were present to illustrate on how to repair the train parts.

CARRIAGE SHOP- TRIMMING SECTION:The Berths of the trains were being repaired and replaced with new fibres, after which they were assembled and handed over to be fitted to the next shop.

WAGON SHOP: The coaches of the trains which required external repair works were handled here in this shop. There were two main project works which included the replacement of old spring suspender system to new pneumatic spring system and also replacement of the old toilet system to new bio degradable toilet system.

THE MAJOR SHOP- PRODUCTION SHOPS: The following shops were found in this block

1. Smithy Shop: The Repair of the bearings were carried out here
2. Wheel Shop: The Wheels of the trains were repaired using CNC machines and fitted in here
3. Paint Shop: The coaches were painted here after the all the repair works done.
4. Brake shop: The air Brake systems are tested here using SCTR (Single Coach Test Rigs) where the pipeline, airflow and brakes were tested.





