



Sandip Foundation's
Sandip Institute of Engineering & Management, Nashik
Department of Electrical Engineering

Report on
Industrial visit at
Traction Motor Works, Eklahare

Date: 18/02/2020

Students: Students of SE

Faculty Visited: Prof. Madhuraj Sharma, Prof. Tabish Shah



Description:

- With the expiry of a year-long warranty on Siemens motors, the Traction Machine Workshop (TMW) at Nashik stepped in to help the Railways and repaired the motors of the new suburban local trains.

- The move saved both time and money. The maintenance facility, which is located 190 km away from Mumbai at Nashik road, works on the re-winding, re-shafting and revival of electric equipment of traction motors, which play a vital part in smooth running of electric locomotives."
- After the warranty expired, maintaining the motors was a challenge for us. Since Railways had not transferred the technology, our engineers were not allowed inside Siemens units to oversee the work.
- Now, the engineers have invented a technology to repair these traction motors. Tools and equipment were specially made at the site," said R P Sharma, Chief Works Manager, TMW. Traction motors is of great importance for electrical locomotives. Its reliability directly affects the punctuality of the trains. The workshop's efficiency has minimized the failure of motors of electric multiple unit (EMU) and Electric Locomotives, thereby increasing its reliability from 15 to 30 per cent.

