



## Koradi Thermal Power Station India

### CUSTOMER

Lanco Infratech Ltd

### SECTOR

Thermal Power Station

### DATE

2013

### PRODUCTS

- Nitowrap EP(CF) 450
- Nitowrap 410
- Nitowrap 30

### THE PROJECT

Koradi Thermal Power Station is located on the northern side of Nagpur Maharashtra India and is spread across an area of 30,337 km<sup>2</sup>. Maharashtra State Power Generation Company Limited (MahaGenco), a subsidiary of Government of Maharashtra are client & Contractors are Lanco Infratech Ltd. While constructing NDCT (Natural Draught Cooling Towers). During concreting due to vibrations the shuttering plates of Racker columns (Concrete grade M50) got dislocated. As a result the covers of the columns got uneven and at some places reinforcement was exposed. This posed danger to the stability of the cover concrete.

### THE SOLUTION

It was real challenge for FOSROC to offer the solution. Lanco want to avoid this failure to be noticed by their client. Further there was no scope of micro concreting due to space constraint. So considering the above factors we suggested them to go for carbon fibre wrapping system & after thorough design as per ACI 440-2R using our Nitowrap EP(CF)450 having 450 gsm weight and tensile strength of 4900 N/mm<sup>2</sup> the repair scheme was designed for 1500Sqmt area.

### THE BENEFITS

With this unique solution entire column was strengthened with no additional concreting work. It was also not very visible from ground as sand sprinkling was done over it. We were able to deliver the customer exact solution with minimum cost and time. With a team of experienced applicators the repair work was successfully completed.

