



Our Proud Team at Nashik

“ LIFTING 637, TONS AT OUR WORKS, THE MAMMOTH CHALLENGE ”

On 7TH December 2021, Unique received an order to Design, Manufacture, and Load test One massive overhead crane, with a total lifting capacity of 510 Tons.

Till date the largest single Overhead crane we have manufactured. **The crane consists of two trolleys of 255/32/16 Tons, designed as per FEM standard.**

“Voith Brazil” has placed the order on Unique, for their Project at ARGENTINA.

One of the major challenges, in the execution of the order, was to Load test this massive crane.

Arranging the load, which stood at 637 tons, was itself a big challenge.

Secondly, Special stands had to be manufactured, to handle this load.

In the first week of March 2022, in the presence of third inspection agency of VOITH, the crane was load tested.

But this wasn't the first time, Unique has taken up such a challenging assignment.

In the past decade, we have completed several load tests, in a very tight timeline.

Some of our achievements are listed below :

1. 2 nos. 300/20/6T x 21.8M span, designed as per FEM standard for a Hydro Project in Laos. Order received through Andritz Hydro P Ltd.. Both the cranes were load tested with 375 T load at our works.
2. 2 nos. 275/40/10T x 23.8 M span, M5 duty for Karcham Wangtoo Project. Order received through Jaiprakash Associates Ltd. Both the cranes were load tested with 350 T load at our works.
3. 2 nos. 220/20T x 27.8M span, M5 duty for NTPC, Khorgone Project. Order received through L & T, Vadodara. Both the cranes were load tested with 275 T load at our works.
4. 2 nos. 210/25T x 33.25M span for NTPC, Solapur. Order received through Alstom Bharat Forge Ltd. Both the cranes were load tested with 263 T load at our works.
5. 2 nos. 200/20T x 27.9M span, designed as per BS & FEM standards for Maitree Super Thermal Power Project, Rampal, Bangladesh. Order received through BHEL, Kolkata. Both the cranes were load tested with 250 T load at our works.
6. 2 nos. 185/40/10T x 18.2 M span, designed as per FEM standard for a Hydro Electric Project, Honduras. Order received through Voith Hydro. Both the cranes were load tested with 231 T load at our works.
7. Lifting Beam for load for 400 T at NTPC – Khorgone Project at our works.
8. Lifting Beam for load of 462 T at NTPC, Solapur Project at our works.
9. Lifting Beam for load for 612 T at Tehri Project at our works.

As it stands today, Unique is one of the few production facilities, which are capable of load testing on this scale



Top View of the Crane