

20th July 2011

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ANOTHER MILESTONE SET BY ACT

I am glad to inform you all the ACT has achieved yet another new Milestone in the tradition of bringing to India successfully a new method of Demolition of Tall structures ,called "**Crane & Ball Method of Demolition**". In this method a huge crane is used to swing a heavy iron ball and hit the structure to be demolished. By shear centrifugal force, the structure is weakened and broken down. Secondary demolition is done once the height of the structure is reduced to around 25M and High Reach Demolition machines are used to complete the demolition upto ground level along with Hydraulic breakers .The '**Crane & Wrecking Ball**' method has not been used in India so far, even though it is a popular method abroad.

ACT had a chance to quote for demolition of 2 Nos. Natural Draught Cooling Towers (NDCT) at Ahmedabad in Western India, and proposed this new method. These cooling towers are RCC structures of more than 70M height and base diameter of 60M. These shell structures have been built over 60 yrs back and are now defunct and abandoned. Our contract is for safe demolition of 2 Nos. of these towers by Crane & Ball and balance structures using a combination of Diamond cutting and Hydraulic crushers.

The client is Torrent Power Ltd and the site is in Ahmedabad at Sabarmati. The cooling towers are surrounded by critical buildings and utilities and residential quarters. The work required careful planning and high degree of safety precautions.

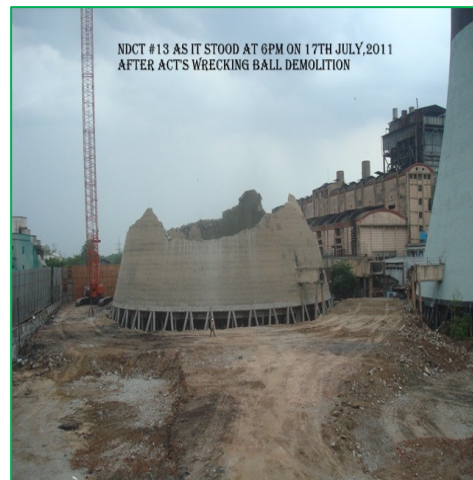
ACT started the demolition of the first tower on 14th July at about 11:30 AM and completed more than 80% of the work on this tower by 17th July, 69M using **Crane & Ball**. We had used a 150T IHI Crawler crane with 69M boom and the weight of the hammer was 3.5T The entire demolition was carried out in less than 30 Crane hours. During the entire operations, there was no untoward incidents and all the debris fell within the tower perimeter, as planned. Also the ground vibrations were continuously measured and they were well within the allowable limits. The balance remaining portion was completed using ACT's High Reach machine with a 4T Hydraulic crusher.

I have pleasure in attaching sequential pictures for your interest.

This is yet another Milestone set by ACT for Indian Construction.



14th July 2011



17th July 2011



20th July 2011

Mohan Ramanathan
Managing Director