

## Zoomlion ElectroMech supplies two flat top tower cranes

Zoomlion ElectroMech India Pvt. Ltd (ZEIPL) has supplied two high-end flat-top tower cranes to Hyderabad-based Nagarjuna Construction Company (NCC) for construction of one of India's largest cooling towers at a coal-based thermal power project at Nellore. Both cranes have been delivered and commissioned at the project site.

Two TCT7527-20 (Model Name) cranes, the high-capacity flat-top tower cranes from Zoomlion's product portfolio, have been installed at the center of the project for the construction of two 170m tall Natural Draught Cooling Towers



(NDCT). These NDCT are being built to provide cooling to the 1320MW coal-based thermal power project at Muthukur Mandal, in Nellore district of Andhra Pradesh.

Zoomlion TCT7527-20 Tower Crane offers heavy capacity lifting of 20t and tip load of 2.7MT at the 75m jib end, or 3.2MT at the 70m jib end, which helps in reducing downtime and improving efficacy. The tower cranes have several innovative features such as VFD motion in all drives, provision of soft anchoring (sling support), enhanced drum capacity, localized 415V 50Hz power connection, anemometer, jib & counter jib dismantling device and double trolley automatic reeving change system. The cranes are especially finished with a unique 'heavy anti-corrosion coating scheme' developed by Zoomlion to endure hostile conditions at thermal power plant site. Additionally, the crane can be dismantled in one section at a time, after the completion of the project.

The innovative TCT7527-20 Flat-Top Tower Cranes are specially designed for cooling tower applications. The biggest advantage they offer is that once the cooling tower construction has been completed, the crane can self-dismantle one section at a time. This is very important, considering the fact that a 75m jib needs to be dismantled, whereas the top opening of the cooling tower in which the crane will be standing is 78m in diameter. ■