

## Tower Crane Base Pad Footing Design

Tower cranes lift heavy weights and are slender cantilever structures. They can also be tied back to the building at certain levels to increase the capacity of the crane. This common fixture is widely used in the construction industry. To utilize the tower crane to its full ability and with safety, it is important to have an appropriate base pad footing design for the tower crane.

The base pad footing of the crane is an important component of the crane structure as it resists both vertical loads and base moments, stabilising the whole crane structure. At **Rise Consulting Engineers**, we provide ultimate solutions in designing suitable crane base pad footings. Our professionals will deliver a design that contains optimised pad size, dimensions, concrete strength, required base plate & anchor bolts, tie-back design and positioning of the tower crane.

**RCE** work closely with our clients to determine optimal location of the crane and other site-specific factors. This procedure assists us in delivering sustainable cost-effective design solutions.

