**OBJECTIVE**

The purpose of the project was to improve productivity and quality levels of the Cylinder block line using **WAVE MODEL** and other associated work measurement techniques. Tata Motors Limited had introduced some new products to market and therefore was undergoing changes to carry out production as per the demand of the product. In order to do so it was necessary that Engine lines should be productive enough to provide a good quality product on time to the customers.

In the initial faces of the project, TQM (Total Quality Management) studies were carried out to measure the work content and standard times of the operation were carried out. Process mapping was done and the assembly operations were studied along with the Training. In order to achieve the results Lean manufacturing strategies were used. In order to increase the productivity and quality WAVE MODEL tool was used.

* Learning from Dr. Kano’s Wave Model and hence implementing it on the cylinder block line.
* Suggesting and implementing necessary process/methods/system improvements resulting in manpower savings, loss/waste, etc. thus resulting in productivity improvements.