

## **DMR-249B Grade Steel Plates (08 – 30 mm thick) for Naval Applications**

### **i. Description of the technology**

Technology has been developed for manufacture of DMR249B grade steel plates, in thickness ranging from 08mm to 30mm, through controlled rolling and Heat treatment (OQ+T for 8-16mm & WQ+T for 18-30mm) route using continuous cast slabs as feedstock. During the entire course of the development, DMRL worked extensively in close coordination with the manufacturing agencies for establishing/optimizing the process parameters to ensure robust and reliable products, which met the stringent dimensional, physical and metallurgical requirements.

### **ii. Application areas**

DMR249B grade steel plates find use in the construction of warships including aircraft carriers.



**Plates of DMR249B have been used for the flight deck of the First Indigenous Aircraft Carrier (IAC), INS Vikrant**