

DMR-249A Grade Steel Plates (thickness: 21 – 40 mm) for Naval Applications

i. Description of the technology

Technology has been developed for manufacture of DMR249A grade steel plates, in thickness ranging from 21mm to 40mm, through controlled rolling and Heat treatment (WQ+T) 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

DMR249A grade steel plates find use in the construction of warships including aircraft carriers.



The First Indigenous Aircraft Carrier (IAC), INS Vikrant, one of the first major applications, has used WQ+T plates of DMR249A steel extensively