Brief description for Transfer of Technology
on
"DMR-249A Grade Steel Billets for Naval Applications"

i. Description of the technology

Billets are rolled product having rectangular cross section manufactured from cast ingots. Billets are used as feedstock to manufacture bulb bars by rolling. The rectangular cross section of billets i.e. (width x thickness) ranges from minimum (80 x 100) mm to maximum(100 x 250) mm to serve as feedstock for smallest section (P6) and largest section (P24) of bulb bars respectively.

During the development, DMRL has worked in close coordination with the manufacturing agency towards optimization of process parameters. DMRL undertook lead role towards finalization of quality assurance plan, which has ensured production and supply of billets with consistent and superior metallurgical quality.

Billets have been accepted as certified feedstock for manufacture of bulb bars by the user agencies.

ii. Application areas

The billets find use as feedstock to manufacture bulb bars, which are used as stiffeners in the construction of naval ships and submarines.

iii. Its USP-such as certifications and test results etc.

The billets for bulb bars have been certified for use in both surface ships and submarines.

iv. Photographs at appropriate places on the technology developed (if available)