

JASH TRASH RACK

APPLICATION:

Trash rack is a manually cleaned coarse screening equipment used to prevent large sized undefined floating wastes from entering into the intake structure. These are generally installed outside the intake structure.

CONSTRUCTION:

Trash rack comprises of flat bars spaced apart in horizontal & vertical direction encompassed within a sturdy frame structure to form a unit that can be inserted in to a vertical guide channel. The vertical guide channel extends up to the top of the platform so as to guide the upward movement of the trash rack to the platform level for manual cleaning. Trash rack can also be additionally provided with wire mesh so as to trap medium sized wastes.

The height of trash rack is kept such that it covers the specified water depth. In cases where the height of water is very high then provision of a single piece trash rack becomes difficult due to its size, weight and handling restrictions. In such cases multi-piece trash racks are used instead of using a single piece trash rack. Multi-piece trash rack comprises of number of racks of smaller heights stacked / racked over one another to cover the full depth of water.

WORKING:

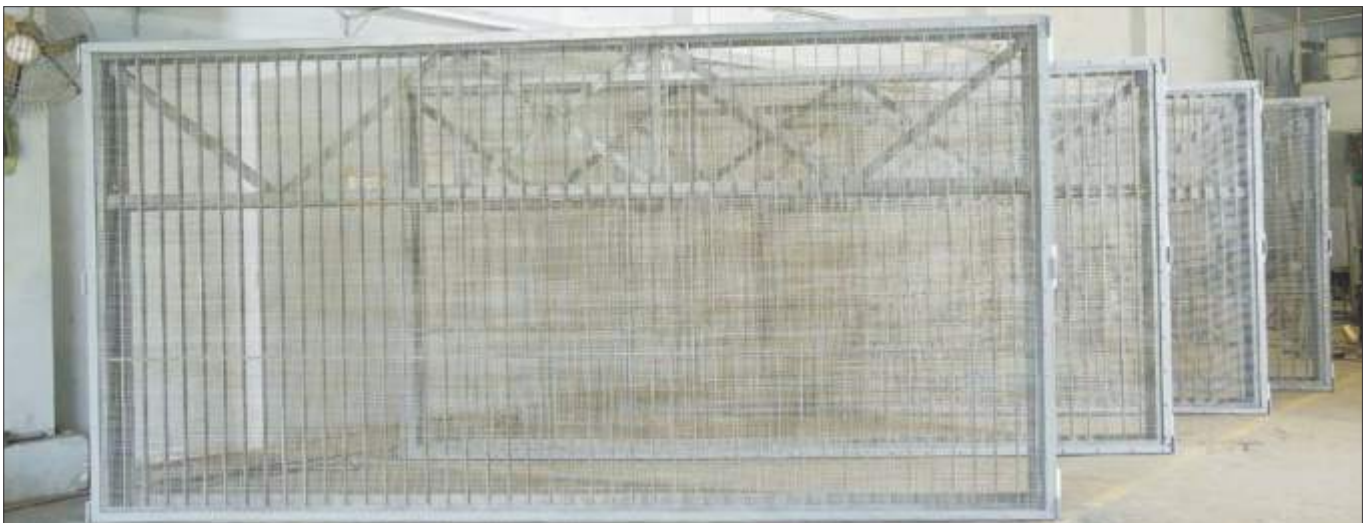
Single piece or multi piece trash rack have to be lifted up to the platform using a crane or suitable lifting device and then cleaned manually to remove the trash sticking to it. Before removal of trash rack from its position for cleaning, stop logs should be lowered to shut off the flow to pump chamber. After cleaning, the trash rack is lowered back into its guide and then the stop logs are removed to allow only screened water to flow into the pumping station.

SPECIFICATION:

Bar spacing	50 mm (2") and above
Single piece width	Maximum up to 6,000 mm (240")
Single piece height	Maximum up to 4,000 mm (160")
Material of construction	Carbon steel / Stainless steel 304, 316, other materials on request



Aluminum Trash Rack for Asthana Water Supply & Sewerage Project Kazakhstan



Carbon Steel Trash Rack with SS Eire Mesh for 2 x 500 MW TPS Mahagenco, Bhusawal