

## *Tubular Electrodes:*

This range of Tubular electrodes gives a host of advantages over conventional coated electrodes in respect of Hardfacing applications owing to its unique features.

The prime weapons that provide the hardness in Hardfacing deposits are the metallic and non – metallic carbides. In coated electrodes, the carbides are formed at the time of welding. Carbides, preformed, cannot be used in these electrodes because the high hardness renders them difficult to produce. But, Tubular electrodes have the advantage that the preformed carbides are put inside a hollow mild steel tube.

This outer coating has one more function. Since it contains non – hygroscopic stabilizers the mild steel tube is free from rusting giving these electrodes as indefinite shelf life. The rigid tube also protects the performed carbides from degeneration over time.

The slag formation is very small in Tubular. So the welder can apply the next run without wasting any time for deslagging. This gives an immense advantage of speed and productivity. So in 1 hour of arcing, Tubular gives 2 – 2.5 times the weight of deposit than coated Hardfacing electrodes.

