## SUBMERGED METAL ARC WELDING (SMAW)

- Joining of high thickness objects in a single pass, this technique can be used.

- Are is generated blu consumable electrode + W/b.

-Through the welding torch, granular flux will be continuously supplied. It will cover the are such that are will be submerged under the flux material. Due to this, heat transfer Josses from are will be minimum of heat concentration on w/p is very high.

- Weld spatter and slug inclusion is reduced.

- No splashing of liquid metal.

- Depth of penetration, welding speed, deposition rate is very high.

- Generally used for flat position only.

## Application:

Welding of bridge girders, railroads, structural shopes, pressure versels, pipes and structure of railway coaches and locomotives.

