

SINTERCAST ROLLER- CHUNK REPAIR

TOTAL REFURBISHMENT OF
ID I.E. BEARING SEAT

AREA OF CONCERN

The latest method for wear protection in a vertical roller mill (VRM) is by sinter cast liners/ rollers. This gives an average life of about 8000-12000 hours after which it needs replacement involving high cost and stoppage, this involves huge downtime and production loss. One of the critical aspects in the sinter cast liners is at times certain rollers get chunked out or chipped off leading to stoppage of the mill, so there is a huge drop in productivity. Hence it requires in-situ welding repair & wear protection solution.

APPLICATIONS

VRM is used for crushing of limestone, coal or clinker (cement plant), sinter cast liners are latest concept wherein the sintered liners are used for wear protection of VRM rollers to increase the life of this rollers-worn out due to high abrasion, pressure and impact.

SOLUTION

Ador Fontech solution to this problem is the repair of chunked out portion of sintercast liners in-situ with our specially developed high strength and extreme crack resistance ferro nickel alloy LH CASTHEAL-113F which has excellent bonding on chunked off areas of fatigued sintercast material. After build-up with this material to the required profile, final wear protection can be done with unique alloy for sintercast buttoning LH-WEARTHHERM 65 which gives hardness of 65 HRC ensuring extended life with excellent cost economics. This combination solution of ADFL gives extended life to component & immediate in-situ repair.

SOME OF OUR END USERS

- ACC Limited
- Ambuja Cements Limited
- Dalmia Cement
- UltraTech Cement Limited

