

LIFE ENHANCEMENT OF INDUSTRIAL COMPONENTS

CASE STUDY

ROLLER PRESS ROLL APPLICATION

AREA OF CONCERN

The roller press works in the principle of high-pressure layer pulverization. The main body of the roller press is two rollers that rotate in opposite directions, one is a fixed roller and the other is a movable roller. The substrate/clinker /slag material is fed through the feeding device of the roller press into two rolls of the same size and opposite to each other, and the material is pulverised and crushed. The roller surface is subjected to high abrasion & compressive impact loading resulting in complete wearing out of rollers & damage to the roller. Hence the Roller press rolls needs re-conditioning with Welding providing excellent life enhancement in a highly wear prone application.

APPLICATIONS

Rebuilding & profile welding as per requirement in all cement plants using RPR's.

SOLUTION

ADFL recommended process is a build-up of the worn-out RPR's with specially formulated LH Alloy to the required profile, then complete the final wear facing with unique alloy offering maximum wear resistance to high abrasion combined with impact. The welding is completed using an automated process to the required pattern and profile required for RPR Application. ADFL has the unique and versatile process in RPR re-conditioning that we can do both in-situ at the site as well as do a complete repair at our LE services facility at Nagpur.

CLIENTELE

- ACC Limited
- Chanderia Cement Works
- Penna Cement Industries Limited
- UltraTech Cement Limited



RPR Prepared
for welding



Completed RPR's
with pattern welding

**CONTACT US FOR THE RIGHT
SOLUTION FOR YOUR PLANT**

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