APPLICATION REPORT

ON

DALMIA BHARAT CEMENTS LTD.

NARANDA, CHANDRAPUR (MS)

Aerial view of a Typical Cement Plant

Presented by

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Area Manager

Chandrapur

INTRODUCTION

Dalmia Cement (Bharat) (DCBL) has commenced commercial production at its Murli plant in Chandrapur district, Maharashtra adding 2.9mt cement capacity to the company's overall installed capacity.

The company's installed cement capacity has now grown to 35.9mt. It acquired the plant for Rs 410 crore and committed to invest Rs 929 crore for the revival, modernisation, expansion and installing green manufacturing equipment viz waste heat recovery systems, solar power, green fuel systems and robotic labs for enhanced quality monitoring.

Approx. Rs 900 crore is spent/committed out of a total of Rs 1339 crore. The plant has been turned around in a record time of 15 months from its acquisition under the Insolvency and Bankruptcy Code (IBC) process.

Earlier, Dalmia Bharat had unveiled its long-term growth and investment strategy to expand its installed cement capacity across the nation to 110-130 million tonnes per annum by 2031. The growth strategy is being executed through a mix of organic & inorganic opportunities with an inclination towards a more planned and cost-effective organic route.

Dalmia Cements Ltd, Naranda Chandrapur has a production capacity of 7000 tones per day…

Following jobs has been performed in the Dalmia plant, Chandrapur

1. **Application : Clinker Crusher Rotor**
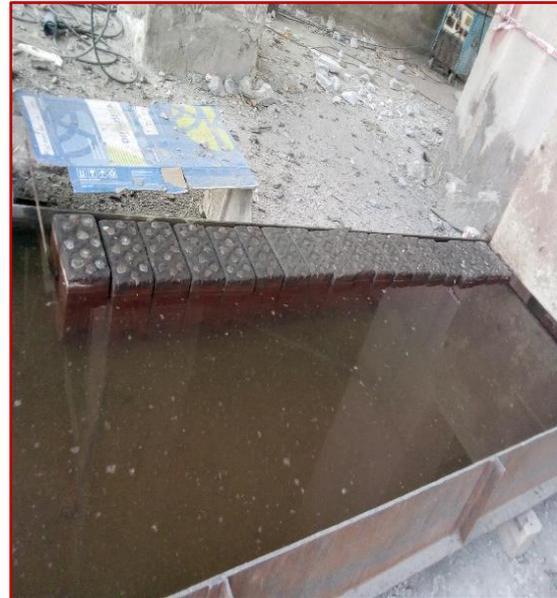   Wear Factor: Severe Abrasion and high Temperature.
   Alloy used   : Diffusaloy 618 (Bui up), Abraloy 3000 D (Hard facing)

2. Application : Clinker Crusher Hammers
Wear Factor : Severe Abrasion, Impact and high Temperature.
Alloy used : Diffusaloy 618 (Bui up), Abraloy 3000 D (Hard facing)

3. Application : Grizzly Bars of the Klin
Wear Factor : Severe Abrasion, Impact and high Temperature.
Alloy used : Diffusaloy 618 (Bui up), Abraloy 3000 D (Hard facing)

4. Application : LS Crusher Rotor
   Wear Factor : High Impact and Abrasion
   Alloy used   : Diffusaloy 618 (Bui up), Abraloy 300 (Hard facing)

5. Application : LS Crusher Impact arm
   Wear Factor : High Impact and Abrasion
   Alloy used   : Diffusaloy 618 (Bui up), Abraloy 300 (Hard facing)

6. **Application : Roll Crusher (Double toothed)**
    Wear Factor : Grinding Abrasion,
    Alloy used   : Xaloy 52(Bui up), Abrocar 60 (Hard facing)

7. **Application : Refurbishment of Fans Like , Preheater ,ESP, raw mill fan ,coal mill fan and cement mill fan**
    Wear Factor : High Erosion (Fine particle)
    Alloy used   : Diffusaloy 618 (Bui up), Abraloy 3000 D (Hard facing)

8. Application : Cement mill Roller press profiling

Wear Factor : High Grinding Abrasion

Alloy used : Diffusaloy 925,Corodur 200K, Corodur 600 OA and Corodur 61 OA.

9. Application : Raw mill Roller liners Build-up and hard facing (on Dalmia side repairing)

Wear Factor : High Grinding Abrasion

Alloy used : Carbofuse G (gouging) ,Cordiff57 OA (Bui up) and Cordiff61 OA (Hard facing)

10. Application : Anchor Joining of Coal mill burner pipe
     Wear Factor : High temperature
     Alloy used   : Diffusaloy 925 (Joining)

11. Application: Refurbishment of Blow bar Of LS Crusher
      Wear Factor : High Abrasion and Impact
      Alloy used : Diffusaloy 618 (buffer layer) ,Cordiff240K (Multi- build-up) & Cordiff 50 (Hard facing)

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