

SAFETY AUDIT 2017

THE KCP LTD

**Cement Division- Unit Macherla
Guntur District**

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Safety Management Specialist
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1.Introduction to Plant Facilities

1. The KCP Ltd Cement Division is a State-of-the-art Cement manufacturing plant at Macherla, Andhra Pradesh. It was established in 1958 as first dry process plant with Humboldt Germany Technology
2. In 1963, The KCP Ltd have installed a second wet process kiln in collaboration with Fives Lillie Cail, France. Subsequently, in 2007, Plant Facilities are augmented. In the year 2009, Waste Heat Recovery Boilers are installed and one Steam Turbine is installed.

1.1.Cement Manufacturing Plant Facilities

Raw material Storage Area fed with Lime Stone received from distant mine through Aerial Rope Way

Primary, impact crusher, 400T/Hr

Number of Conveyors

Blending Silo

Vertical Raw Mill, 125T, Fuller

Vertical coal mill, 17T, Fuller

Kiln- Fuller, 1900 TPD capacity, Bag house-Fuller

Cement Mill Ball mill, 115Tons, Clair bag filter

4 silos

Rotary Packers and Packing Plant Operations

Process Control Room

1.2.Co-generation Power Plant Facilities


Two waste heat recovery boilers (WHRB) & one extraction cum condensing steam turbine are installed for cogeneration

A 2.5 MW extraction cum condensing turbine to generate power and for use in plant operation.

15. Conclusion

1. The observations are representative samples made during the audit and does not purport to cover entire plant activities. Best effort is made to collect representative samples.
2. The observations and recommendations made by the undersigned are based on evidence gained during plant visit, discussions and records produced for verification.
3. Review of Safety Management System and Observations of the Field visit by Auditors indicate appreciable improvement of safety management system and practices in place.
4. Salient features of observations are placed before site management During post Audit Review and as draft report.
5. Important aspects are appraised to Management Team through a presentation..
6. Management Representatives have been open in sharing information and expressed desire for continuous improvement of safety level.

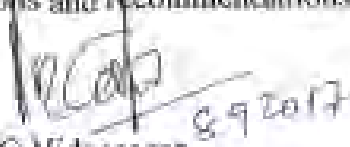
Date: 8th September, 2017
Secunderabad


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16. Disclaimer

1. The Safety Audit of the premises, facilities, equipment and operations is carried out based on generally accepted guidelines, codes, standards and / or practices in the field of safety management, relevant to Power Plants.
2. The recommendations are based on the field sample observations and information provided by the organization regarding operations, Operating Parameters including Safety Management System and are discrete in nature.
3. I do not carry any liability of damage or risk incurred by the Organisation who sponsored this study, by its own interpretation or review or consequential actions based on observations and recommendations.

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8th September, 2017


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