

CHUNAR CEMENT FACTORY

Mirzapur (Uttar Pradesh)

Unit Profile

Chunar cement grinding unit (A unit of U.P.State Cement Corporation Ltd.) having installed capacity of 1.6 MTPA was commissioned in the year 1981 to produce Portland Slag Cement. The plant was continued in operation up to year 1999 & thereafter due to various technical reasons was stopped in the same year Jaiprakash Associates Ltd. acquired sick Chunar Cement Grinding Unit (A Unit of U.P.State Cement Corporation Ltd.) in the year 2006 through competitive bidding process by the Official Liquidator of U.P. & Uttrakhand under the supervision of "HONBLE" High Court of Judicature at Allahabad & renamed the unit as Chunar Cement Factory.

Jaiprakash Associates Ltd. conceptualized and had undertaken a comprehensive rehabilitation and upgradation programme adopting State-of-the-Art, technologies to make it the most efficient plant in terms of energy consumption and to preserve environment while manufacturing quality product fly ash based Portland pozzolona cement on sustained basis.

After comprehensive Rehabilitation, Upgradation And Expansion Programme, the Cement Grinding Plant & New 38 MW capacity Captive Thermal Power plant were commissioned in Feb.2008 and July 2009 respectively.



Energy Consumption from 2007 to 2015

Financial Year	Cement Production (In Lacs MT)	Cement Dispatch (In Lacs MT)	Specific Power Consumption of Cement Grinding / Ton of Cement
2007-08 (Plant Commenced in Feb'08)	0.39	0.35	49.90
2008-09	6.12	6.17	44.46
2009-10	17.02	16.99	43.14
2010-11	21.53	21.42	37.30
2011-12	20.32	20.38	41.80
2012-13	23.39	23.29	36.76
2013-14	25.55	24.62	35.36
2014-15	25.26	25.23	33.27

Energy Conservation Measures Taken

Project description	Achievement of Annual energy savings in 2014-15						Investment incurred on the project Rs. (Lacs)
	Electricity	Fuels*				Total savings (Rs. Lacs)	
	(Lakh kWh)	Coal (tonnes)	F.Oil (kL)	Gas (Lakh Nm ³)	Total fuel (MTOE)		
Installation of Energy Meter at each and every Consumption point in Colony and reducing electricity wastages.	2.07	-	-	-	-	10.66	0.25
Minimize the lighting power consumption (kWh)	1.52	-	-	-	-	7.83	0.15
Fly Ash Silo Feeding in Auto Mode and One common aeration blower used for two fly ash silo	4.08	-	-	-	-	21.01	0.15
Optimization in running of Cement Mill Auxiliary including Fans	4.52	-	-	-	-	23.28	0.20
Optimization of grinding media to reduce energy consumption of cement mills	29.52	-	-	-	-	152.03	0
Optimization of Plant Air Compressors	8.05	-	-	-	-	41.46	0.15
Optimization of Silo and Classifier bottom air used for Aeration	6.08	-	-	-	-	31.31	0.25
Removal of damper from classifier air fan	2.5	-	-	-	-	8.59	0.10
TOTAL	55.84	-	-	-	-	287.58	1.15

Energy Policy

**JAIPRAKASH ASSOCIATES LIMITED
(CEMENT DIVISION)
DALLA CEMENT FACTORY & CHUNAR CEMENT FACTORY**

Energy Policy

While ensuring continual improvements in manufacturing of quality clinker, cement and power generation in CPPs, we are committed to:-

- Achieve business excellence through responsible and efficient use of energy.
- Manage our processes so as to increase the energy efficiency including purchase of energy efficient products & services.
- Ensure improvements through innovation in technology & processes.
- Promoting awareness amongst employees for conservation of energy through training, motivation & participation.
- Achieving cost effectiveness and enhanced sustainability by reducing carbon dioxide emissions through optimum utilization of resources and exploring/ utilizing alternate fuels & raw materials.
- To live Jaypee values enshrined in 'Indradhanush'.
- Comply with all legal and other requirements.

“SAVE ENERGY TO BE CLEAN AND GREEN”

February 1, 2014


Managing Director