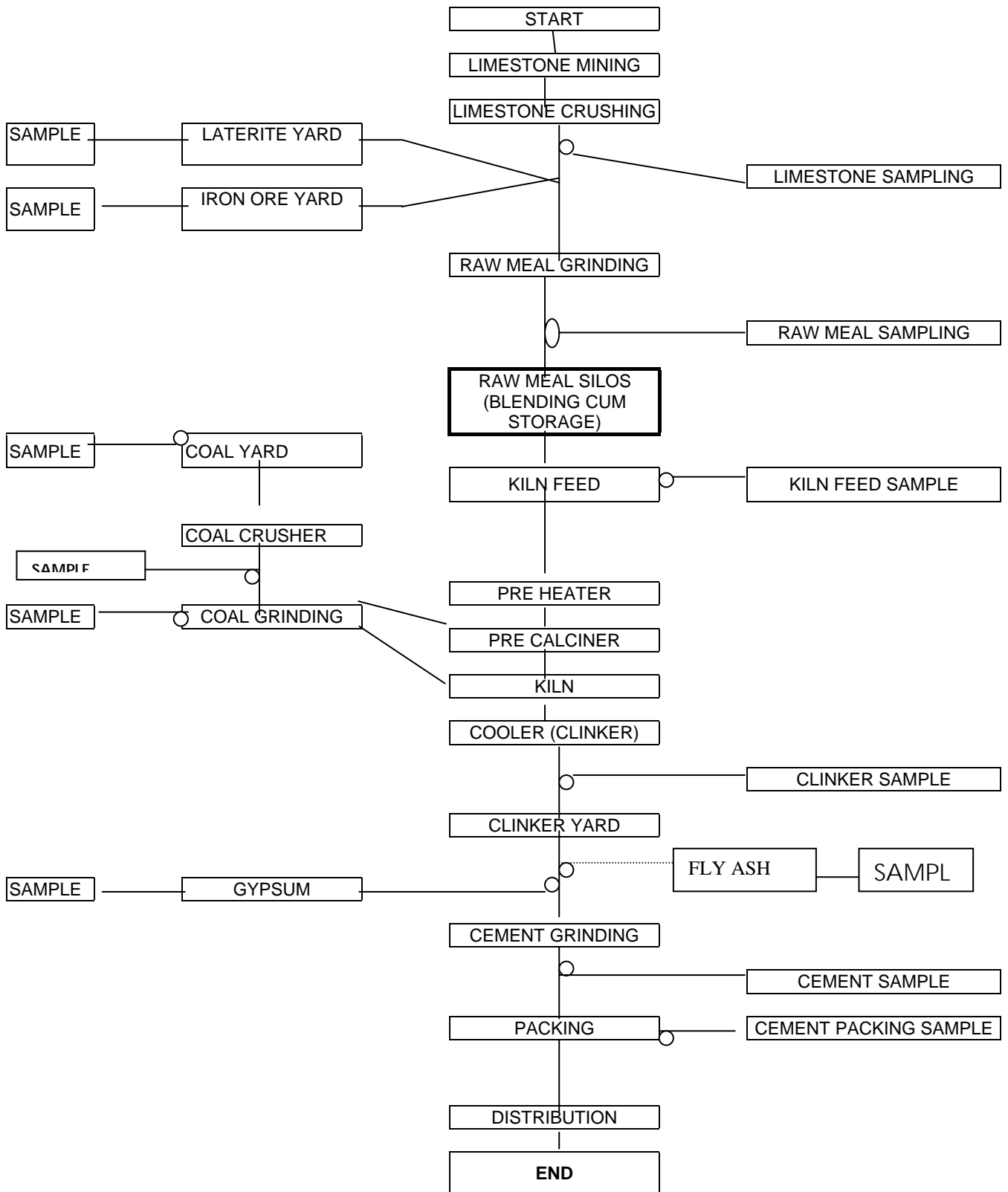


SRI VISHNU CEMENT LIMITED, SITAPURAM



SRI VISHNU CEMENT LTD is an associated company of **ZUARI CEMENT LTD, a joint venture of Zuari Industries Limited and ITALCEMENTI Group**, having **3.4** million tones per year installed capacity in Andhra Pradesh. The Zuari Industries is promoted by **Mr. K.K. Birla** , a known industrialist. The plant was installed with a capacity of 0.6 million tones per annum, has undergone many technological up-gradations since it was commissioned in November 1986 and today it has a capacity of 1.2 million tones per annum.

The factory is located in Nalgonda Limestone Cluster of Andhra Pradesh where the superior quality of limestone is available in plenty. The company adopted the latest, most modern and advanced Dry Process Technology with Precalculator with the technical know-how of M/s Onoda Engineering Co. Ltd, Japan and is operated by competent people having experience of 15 to 30 years in the field of Cement Industry. Electrostatic Precipitators and Bag Houses are installed in the plant for pollution control and the smooth operation of the plant is ensured by the modern Programmable Logic Controllers installed at different stages of operation. The plant is supported by a Diesel Generator set operated in parallel with AP Transco for uninterrupted running of the plant.

'VISHNU SHAKTHI' the premium brand 53 Grade Cement and 'VISHNU PREMIUM' 43 Grade Cement produced by Sri Vishnu Cement Ltd., are well accepted by the market and is being used in all major projects taken up by the central and state governments in southern parts of India. Other important customers are Housing Boards, Public Sector companies, builders and other institutions in public and private sectors.

Number of employees under the scope of QMS is around 250 persons and the annual turn over of Sri Vishnu Cement Limited is around Rs. 140 crores.

Our cement undergoes stage by stage advanced laboratory testing before it enters into open market. The modern burning technologies and quality control techniques supported by computerized controls established in the plant with the help of Siemens Germany, ensures production of sound high quality cement with high tricalcium silicate for early strength and setting. The cement ground in our Cement Mills gives uniform fineness.

High strength and uniform fineness of our cement helps in saving the construction costs and gives better durability when compared to other available brands of cement in the market. The availability of high grade limestone, modern technologies adopted in the plant and deployment of highly skilled, competent and experienced man power for operation & maintenance of plant, ensures the supply of consistent high quality of cement from Sri Vishnu Cement Ltd.

SCOPE OF CERTIFICATION:

“ Manufacture and Supply of Ordinary Portland , Pozzolona Portland and Slag Cement”.

PERMISSIBLE EXCLUSIONS:

The exclusions to ISO: 9001 – 2000 and justifications are given below and also documented in QM: 02

SL. No.	Clauses excluded	Justification
1	Design and development(7.3)	Not applicable for the nature of the product. ie) cement is manufactured as per the following Standard references. I. 33 Grade Ordinary Portland Cement as per IS: 269-1989 II. 43 Grade Ordinary Portland Cement as per IS: 8112-1989 III. 53 Grade Ordinary Portland Cement as per IS: 12269-1987 IV. Pozzolona Portland Cement as per IS 1489- 1991(Part.1)
2	Customer property(7.5.4)	As on date there is no customer property being used in the manufacture of cement
3	Validation of process for production and service provision (7.5.2)	Validation is not applicable as there is no process where deficiencies become apparent only after the product is in use.

LIST OF APPLICABLE STANDARDS.

S. No.	Standard reference
1	33 Grade Ordinary Portland Cement as per IS: 269-1989
2	43 Grade Ordinary Portland Cement as per IS: 8112-1989
3	53 Grade Ordinary Portland Cement as per IS: 12269-1987
4	Pozzolona Portland Cement as per IS: 1489-1991(Part.1)

APPLICABLE STATUTORY / REGULATORY REQUIREMENTS

S. No.	Description
1	License to work a factory : License No. 32682, Regd No.31832
2	33 Grade OPC License No.CM/L-6058566
3	43 Grade OPC License No. CM/L 2366355
4	53 Grade OPC License No. CM/L 6017350
5	PPC License No. CM/L 6101642
6	Air & Water Consent Orders from AP Pollution Control Board
7	Chief Electrical Inspector to Govt. of A.P No.CEIG/TS/HT/EHT/NLG-15/99/42 dated 18.01.1999 (Electrical CEIG Approval)
8	Registration Certificate (Central Excise) No. CER No:-2/92 dated 30.09.1992
9	APGST No. NLG/08/01/1946/86-87 dated 01.10.1986. CST No. NLG/08/01/1071/86-87 dated 01.10.1986.
10	Working Permission for Mines with Heavy Machinery from Director of Mines Safety, Hyderabad - No : LS/159/NA/2122 dated 24.08.1989.

LOCATION OF THE PLANT

Sri Vishnu Cement Limited, Sitapuram Dondapadu Village, Mellacheruvu Mandal, Nalgonda District, Andhra Pradesh, India, PIN: 508 246.

LOCATION OF HEAD OFFICE

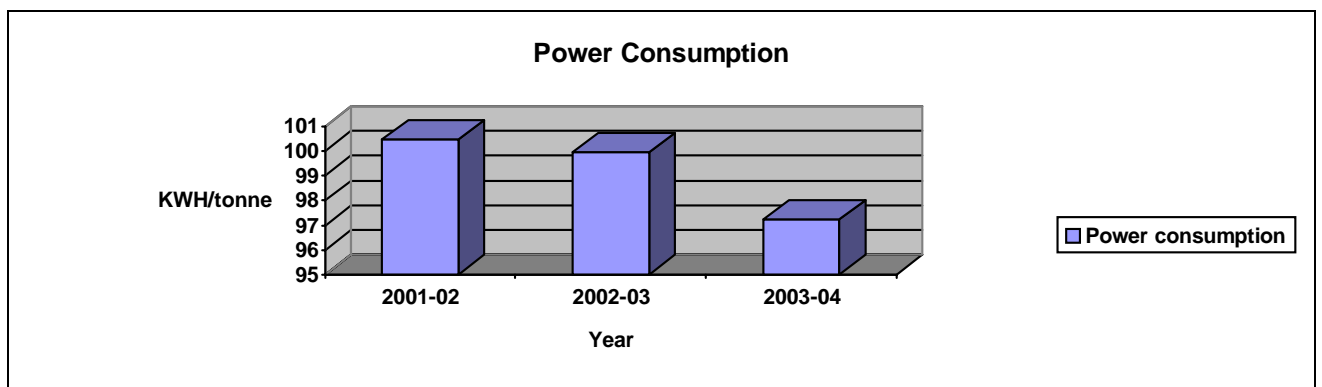
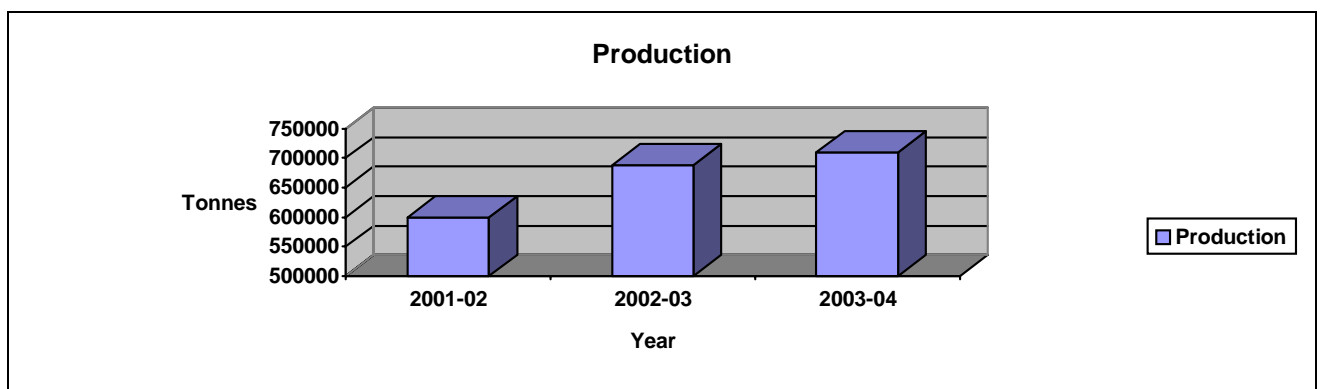
SRI VISHNU CEMENT LIMITED, 461, Street No.10, Suryanagar, Raj Bhavan Road, Somajigude, Hyderabad –500 082.

The Purchase and Marketing departments are operated from Hyderabad Office.

Energy Consumption

There has been a steady decrease in the Electrical Energy consumption per tonne of material.

DESCRIPTION	UNIT	2000-01	2002-03	2003-04
Annual Production	Tonne	599393	688427	709721
Power Consumption	KWH /MT	100.46	99.93	97.233



ENERGY CONSERVATION PROJECTS

- 1. ESP Dust Transport system:** Investment: Rs 150 Lakhs
Savings: 0.43 KWH / MT of Clinker



- 2. Cement storage silo vent fan (bag filter)**

Investment : Rs 0.45 Lakhs

Savings : 0.3KWH/ MT

High efficiency fan incorporated in place of old conventional fan.



3. R.M silo vent fan

Investment : Rs 13.3 Lakhs
Savings : 0.264 KWH / MT

High efficiency fan incorporated in place of old conventional fan



4. Fly ash Handling system

Investment : Rs 65 Lakhs
Savings : 2.6 KWH / MT

Fly ash handling system incorporated with latest solid flow feeder.



5. Clinker Breaker Delta-Star-Delta starter

Investment: Rs 1 Lakh

Savings: 0.014 KWH / MT

The motor is 75 KW and it was running with less load (below 50%). The same KW motor is necessary for critical load conditions (cooler jam). Hence we are arranged Delta-star-Delta starter. It will work on motor load conditions, like when there is a load it will automatically change to Delta connection, and when there is no load it will come back to star connection. It leads to energy saving. Normally motor always running in Star connection only.

(as per theoretical aspects, energy savings can be achieved when a motor working in below 50% of its full load by star connection.)



6. Rawmill Vent Fans:

Investment : Rs 13.3 Lakhs

Savings: 1.3 KWH / MT

High efficiency fan incorporated in place of old conventional fan



7. Cement mill Vent Fans

Investment: Rs 4.4 Lakhs

Savings: 0.26 KWH / MT

High efficiency fan incorporated in place of old conventional fan



8. Coalmill seperator

Investment : Rs 35.5 Lakhs

Savings: 1.82 KWH/MT



9. Cooler Modification to CIS MFR

Investment : Rs 120.2 Lakhs

Savings: 0.42 KWH/MT



Other projects implemented in our plant.

- Transfer point dust collecting arrangements
- Energy efficient bulbs at offices.
- Motor loading optimization.
- Monitoring and control on idle running motors like belt conveyors
- Automatic water level controllers to pump house.

Sri Vishnu Cement Limited
Sitapuram Works

SRI VISHNU CEMENT LIMITED

SITAPURAM

A JOINT VENTURE OF ITAL CEMENTI

&

ZUARI CEMENT LIMITED

Sri Vishnu Cement Limited
Sitapuram Works

ENVIRONMENT

&

HEALTH

Sri Vishnu Cement Limited
Sitapuram Works

CEMENT INDUSTRY

Most energy conservative industry.

1. Power: 30 - 35 %.
2. Coal : 23 - 28 %.
3. Human Energy: 1.5 – 2.5 %

Sri Vishnu Cement Limited Sitapuram Works

Environment & Health

- Air.
- Water.
- Avoiding Wastage.
- Effective utilization of natural resources.
- Effective utilization of human resources.
- Human health.
- Safety.

Sri Vishnu Cement Limited

Sitapuram Works

Industry

For Human Health & Wealth

- ❖ Industrialization is necessary for the developing countries like India.
- ❖ Industrialization will improve the wealth of each individual of any citizen of the nation.
- ❖ Even though “Good health is wealth” , For a developing country like India, “Wealth is Health”.
- ❖ With the industrialisation, wealth will improve. But industry is effecting the “Health” of the individual.
- ❖ We should overcome the negative effects of the industry to the every human being.
- ❖ But how ? Yes there are ways and means to get both health and wealth with the Industry.

Sri Vishnu Cement Limited

Sitapuram Works

Sri Vishnu Cement has taking all the necessary initiatives towards the Environment, Health and Wealth like:

- Pollution control activities with latest technologies & plantation.
- Water conservation activities to improve the ground water levels.
- Ozone layer protection.
- Avoiding wastage and usage.
- Human health & Safety

Sri Vishnu Cement Limited

Sitapuram Works

Pollution/ Dust Control Activities since last 5 years

- ❑ Wet drilling technique at mines & Regular practice of water spraying on mines haul roads.
- ❑ Nonel blasting for lime stone.
- ❑ Bag filter at Crusher.
- ❑ Raw mill hopper sheds.
- ❑ Up gradation of Kiln ESP.
- ❑ Up gradation of Cooler ESP.
- ❑ Clinker Yard Shed.
- ❑ DGPH chimneys.
- ❑ Clinker hopper bag filter & Shed.
- ❑ One lakh trees are planted for dust control and CO₂ dilution.

Sri Vishnu Cement Limited

Sitapuram Works

Water conservation Activities since last 5 years

- ❑ We have made 12 water harvesting pits within and adjacent to the plant for recharge and increase in the ground water level.
- ❑ Usage of 3rd bench of lime stone mine for storage of water for plant requirement and to reduce the usage of bore water.
- ❑ Construction of Sewage treatment plant for colony gardening.

Sri Vishnu Cement Limited

Sitapuram Works

Ozone layer protection activities since last 5 years

- **High Eff. Raw mill vent fans**
- **Raw meal Silo venting fan.**
- **Raw meal silo B.E.**
- **Raw meal BE to PH.**
- **High Eff. RSP fan**
- **Cooler CIS / MFR**
- **Kiln ESP Emitting electrodes**
- **LP cyclones**
- **ESP dust transport-Sluice to Air slides**

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Sri Vishnu Cement Limited Sitapuram Works

- **Cooler ID fan GRR (Speed control)**
- **Clinker breaker Del-Star –Del**
- **High Eff. Coal mill CA fan**
- **High Efficiency separator for coal mill**
- **Cement silo BE.**
- **High Eff. Cement mill fans.**
- **Cement silo venting BF fan.**
- **PPC & Ash handling.**

Total reduction of CO₂ : 52640 MT

Sri Vishnu Cement Limited Sitapuram Works

Avoiding wastage and usage

- ✓ Usage of overburden black cotton soil for mines, plant and colony.
- ✓ Total 160 acres of land is being used for plantation
- ✓ Usage of sewage treated water for colony gardening.
- ✓ Usage fly ash which is a waste product at power plants.
- ✓ Development of green belt at un developed mining area.

Sri Vishnu Cement Limited

Sitapuram Works

Human health & Safety

- Conducting health awareness training programme of SSY for all the employees.
- Conducting health awareness training on “Art Of Living”.
- Conducting training by Mr. M. Satyanarayana Raju on food habits.
- Providing Gym at colony.
- Free medical camps.
- Training on safety for all the company and contract employees.
- Conducting safety audits.
- Safety competitions.
- All welfare activities as per the industrial Act.

Sri Vishnu Cement Limited
Sitapuram Works

Sri Vishnu Cement

is

working

towards

for

healthy environment

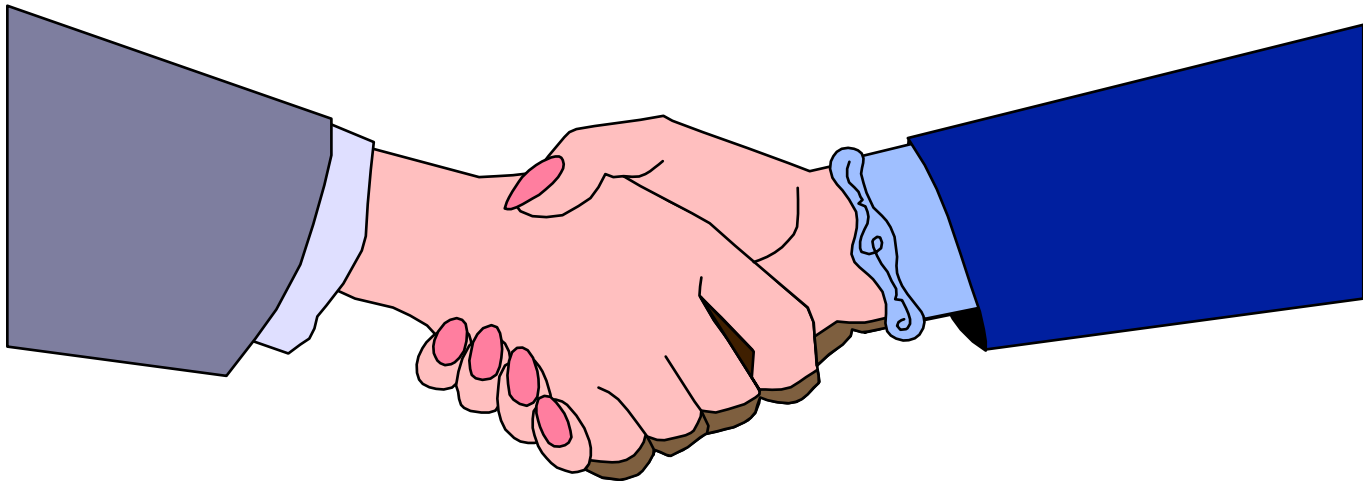
Sri Vishnu Cement Limited Sitapuram Works



*Let
Us
Work together
For
Green
INDIA*

Sri Vishnu Cement Limited
Sitapuram Works

THANK YOU



SRI VISHNU CEMENT LIMITED