



**J. K. Synthetics LTD.**

ANNUAL REPORT  
1999-2000

**BOARD OF DIRECTORS**

<b>Dr. Gaur Hari Singhania</b>	<i>Chairman</i>
<b>Govind Hari Singhania</b>	<i>Vice Chairman</i>
<b>Yadupati</b>	<i>Managing Director &amp; Chief Executive Officer</i>
<b>Ramapati</b>	
<b>Shiromani Sharma</b>	
<b>V.B.L. Mathur</b>	
<b>Dr. K.B. Agarwal</b>	
<b>A. Karati</b>	<i>Nominee of I.C.I.C.I.</i>
<b>D.D. Rasgotra</b>	<i>Nominee of G.I.C.</i>
<b>S.C. Malik</b>	<i>Nominee of S.B.I. Director (Finance)</i>
<i>President (H.O.) &amp; Secretary</i>	
<b>J.P. Bajpai</b>	

**BANKERS**

State Bank of India  
 Central Bank of India  
 The Bank of Tokyo-Mitsubishi Limited  
 The Bank of Rajasthan Limited  
 Syndicate Bank  
 Punjab National Bank  
 State Bank of Bikaner & Jaipur  
 Bank of Baroda  
 ANZ Grindlays Bank  
 The Hongkong and Shanghai Banking-  
 Corporation Limited

**AUDITORS**

Messrs. P.L. Tandon & Co.  
 Chartered Accountants

**REGISTERED OFFICE**

Kamla Tower,  
 KANPUR-208 001

**WORKS**

Kota  
 (Rajasthan)

Padam Synthetics  
 J.K. Staple & Tows  
 Gopal Synthetics  
 Sir Padampat Research Centre  
 J.K. Tyre Cord  
 J.K. Acrylic

Jhalawar  
 (Rajasthan)

J.K. Fibres  
 J.K. Industrial Yarn  
 J.K. Utilities & Technical  
 Development

Kanpur  
 (Uttar Pradesh)

Syntex Tube Works

Nimbahera  
 (Rajasthan)

J.K. Cement Works

Gotan  
 (Rajasthan)

J.K. White Cement Works

Bamania  
 Shambhupura  
 (Chittorgarh)

J.K. Power

**NOTICE**

NOTICE is hereby given that the Annual General Meeting of the Members of J.K. Synthetics Ltd., will be held in the Auditorium of the Merchants' Chamber of Uttar Pradesh, 14/76, Civil Lines, Kanpur on Friday, the 29th September, 2000 at 12.00 Noon to transact the following business:-

1. To receive, consider and adopt the audited Balance Sheet and Profit & Loss Account for the year ended 31st March, 2000 and the Reports of the Directors and Auditors thereon.
2. To appoint a Director in place of Dr. K.B. Agarwal, who retires by rotation and is eligible for re-appointment.
3. To appoint a Director in place of Shri Shiromani Sharma, who retires by rotation and is eligible for re-appointment.
4. To appoint Auditors to hold office from the conclusion of this Meeting until the conclusion of the next Annual General Meeting and to fix their remuneration and, in that connection, to pass the following resolution as a **Special Resolution**:-

"RESOLVED that pursuant to the provisions of Section 224A(1) of the Companies Act, 1956, M/s. P.L. Tandon & Company, Chartered Accountants, Kanpur, the retiring Auditors of the Company, be and are hereby re-appointed as Auditors of the Company to hold office from the conclusion of this Meeting until the conclusion of the next Annual General Meeting of the Company on such remuneration as may be determined by the Board of Directors in addition to the reimbursement of travelling and other out-of-pocket expenses actually incurred by them in connection with the audit and service tax, if any."

**AS SPECIAL BUSINESS:**

To consider and, if thought fit, to pass with or without modification(s) the following resolution:

**AS ORDINARY RESOLUTION:**

5. "RESOLVED that pursuant to the provisions of Section 80-A and other applicable provisions, if any, of the Companies Act, 1956, and subject to the consent of the Hon'ble Company Law Board, the Sanction of the Company be and is hereby accorded to the issue, by the Board of Directors of the Company, of 1,49,294 - 15% Cumulative Redeemable Preference Shares of Rs. 100/- each in lieu of the existing 1,49,294 - 15% Cumulative Redeemable Preference Shares of Rs. 100/- each in accordance with the Order of the Hon'ble Company Law Board, passed on 13.5.1997 or such other number, if any, as may be directed by the Hon'ble Company Law Board, redeemable at par in three equal annual instalments over a period of three years after a moratorium of one year from the cut-off date as may be fixed by the Board for Industrial &

Financial Reconstruction (BIFR) or such earlier date as may be decided by the Board of Directors in due course, on the same terms and conditions as are applicable to the existing 1,49,294 - 15% Cumulative Redeemable Preference Shares of Rs. 100/- each with such modifications, if any, as may be laid down by the Hon'ble Company Law Board while giving its consent, (which the Board of Directors of the Company is hereby authorised to accept) which according to the terms of issue of the said Preference Shares are due for redemption on 22.7.2000 and which the Company is not in a position to redeem on the aforesaid date on account of the continued stringent financial position of the Company and the Company having been declared a sick industrial undertaking within the meaning of Sick Industrial Companies (Special Provisions) Act, 1985 and the revival Scheme of the Company pending sanction of the BIFR."

"FURTHER RESOLVED that the arrear dividend on the aforesaid Preference Shares from 23.7.1993 be dealt within the manner provided in the revival Scheme of the Company as may be sanctioned by BIFR."

"FURTHER RESOLVED that on the allotment of the new 15% Cumulative Redeemable Preference Shares of Rs. 100/- each in accordance with the consent of the Hon'ble Company Law Board, the existing 1,49,294 - 15% Cumulative Redeemable Preference Shares of Rs. 100/- each of the aggregate face value of Rs. 149.29 Lacs shall be deemed to have been redeemed in accordance with the provisions of Proviso to Section 80-A (1) of the Act and the said Preference Shares shall stand extinguished and cancelled."

By Order of the Board



(J.P. BAJPAI)  
Secretary

Regd. Office:  
Kamla Tower, Kanpur  
Dated: 25th July, 2000

**NOTES:**

- i) The relative Explanatory Statement pursuant to Section 173 of the Companies Act, 1956 in respect of Special Business under Item No. 5 of the accompanying Notice dated 25th July, 2000 is annexed hereto.
- ii) Copy of the document referred to in the above Notice is available for inspection of the Members at the Registered Office of the Company between 2.00 p.m. and 4.00 p.m. on any working day except Saturday till the conclusion of the Annual General Meeting.
- iii) The Register of Members and Share Transfer Books



of the Company will remain closed from Saturday, the 16th September, 2000 to Friday, the 29th September, 2000, both days inclusive.

- iv) Members are requested to bring their copies of the Annual Report, as copies of the Report will not be distributed again at the Meeting.
- v) Members seeking any information with regard to the Accounts of the Company are requested to write to the Company at its Registered Office so as to reach at least 10 days before the date of Meeting to enable the Management to keep the information ready.
- vi) **A MEMBER ENTITLED TO ATTEND AND VOTE AT THE MEETING IS ENTITLED TO APPOINT A PROXY TO ATTEND AND VOTE INSTEAD OF HIMSELF/ HERSELF AND THE PROXY NEED NOT BE A MEMBER OF THE COMPANY.**

#### **EXPLANATORY STATEMENT:**

As required by Section 173 of the Companies Act, 1956, the Explanatory Statement sets out all material facts concerning the Special Business referred to in the accompanying Notice dated 25th July, 2000.

#### **ITEM NO. 5**

The Shareholders are aware that at the Annual General Meeting of the Company held on 28.9.1994, a resolution was passed, subject to the consent of the Hon'ble Company Law Board, for the issue of new 1,49,381 - 15% Cumulative Redeemable Preference Shares of Rs. 100/- each including arrear dividend thereon (after ignoring fractions) redeemable at par on 22.7.2000 in lieu of the existing 1,00,000 - 15% Cumulative Redeemable Preference Shares of Rs. 100/- each, which could not be redeemed on the due date on 22.7.1993 on account of the stringent financial position of the Company. Necessary approval of the Hon'ble Company Law Board had also been obtained vide Order dated 13.5.1997 and the new 1,49,294 - 15% Cumulative Redeemable Preference Shares of Rs. 100/-

each had been issued redeemable on 22.7.2000.

The financial position of the Company has not improved since then and the Company has been declared a sick industrial undertaking within the meaning of Sick Industrial Companies (Special Provisions) Act, 1985. A revival Scheme for the Company is under examination with the Operating Agency. The said revival Scheme envisages that the redemption of the Preference Shares be made at par in three equal annual instalments over a period of three years after a moratorium of one year from the cut-off date as may be fixed by BIFR or such earlier date as may be decided by the Board of Directors in due course and the dividend including arrears, up to the cut-off date and accrued/accruing during the entire rehabilitation period be waived. In view of the fact that the revival Scheme of the Company is still pending with BIFR, the Directors of the Company have considered it in the interest of the Company to approach the Hon'ble Company Law Board again pursuant to Section 80-A of the Companies Act, 1956 to accord its consent to issue fresh 15% Cumulative Redeemable Preference Shares of Rs. 100/- each of the face value of Rs. 149.29 Lacs in lieu of the existing Preference Shares on the same terms and conditions as have been incorporated in the revival Scheme. The resolution at Item No. 5 is, therefore, commended for your approval.

None of the Directors of the Company is in any way concerned or interested in the proposed resolution except in their capacity as holders of the respective Preference Shares or as nominees of Financial Institutions holding any of the aforesaid Shares.

By Order of the Board

(J.P. BAJPAI)  
Secretary

Regd. Office:  
Kamla Tower, Kanpur  
Dated: 25th July, 2000

**DIRECTORS' REPORT****TO THE MEMBERS**

Your Directors submit the Annual Report and Audited Statements of Account for the year ended 31st March, 2000.

**2. FINANCIAL RESULTS**

**31.3.2000**  
(Rs./Lacs)

Sales	53062
Other Income	408
Profit before Interest and Depreciation	1757
Less : Interest	4493
(Loss) before Depreciation	(2736)
Add: Depreciation	4088
(Loss) for the year	(6824)
Prior period Adjustments (Net)	1907
(Loss) before tax	(4917)
Provision for Wealth tax	3
(Loss) after tax	(4920)

**3. OVERALL PERFORMANCE**

The year under review resulted in net loss of Rs. 6824 Lacs as compared to net loss of Rs. 8653 Lacs during the previous year. During the year only Grey and White Cement plants have been in operation.

**4. DIVIDENDS**

In view of the loss for the year, your Directors regret their inability to recommend payment of any dividend for the year.

**5. FINANCE**

5.1 As reported last year, the payment of interest as well as the principal under the various series of debentures remained suspended, pending approval of the rehabilitation proposal by BIFR. However, your Company as far as possible, has been redeeming debentures of 3rd, 5th, 6th, 'A' 'B' and 'PCD' series received from small holders from time to time. These debentures have been kept alive for the purpose of re-issue.

5.2 1,49,294-15% Cumulative Redeemable Preference Shares of Rs. 100/- each of the aggregate face value of Rs. 149.29 Lacs, which were re-issued in lieu of 1,00,000-15% Cumulative Redeemable Preference Shares of Rs. 100/- each including arrears of dividend pursuant to the Order of the Hon'ble Company Law Board dated 13.5.1997 for a period of seven years have become due for redemption on 22.7.2000. The financial position of the Company has not improved since then and the Company has been declared a Sick Industrial Undertaking within the meaning of Sick Industrial Companies (Special Provisions) Act, 1985. In view of this, the Company is not in a position to redeem these Shares on due date and, therefore, your Directors propose to issue new Preference Shares in lieu of the existing Preference Shares on the terms and conditions embodied in the Notice. A resolution in this regard is being recommended for your approval.

5.3 The deposits received from the public remaining unclaimed as on 31.3.2000 amounted to Rs. 64.82 Lacs in the accounts of 1,152 depositors against which deposits amounting to Rs. 3.49 Lacs have since been repaid. Your Directors are happy to report that all public deposits are being regularly repaid by the Company.

**6. DEMATERIALISATION OF SHARES**

Your Company has entered into a tri-partite agreement with National Securities Depository Ltd., Central Depository Services (India) Ltd. along with Alankit Assignments Ltd., New Delhi for dematerialisation of the Shares in accordance with the provisions of the Depositories Act, 1996. Shareholders have now the option to hold their Equity Shares in demat forms.

Your Company has appointed Alankit Assignments Ltd., New Delhi as Registrar and Share Transfer Agents for electronic mode of securities.

**7. REHABILITATION PACKAGE**

As reported last, BIFR had directed the Company on 20.7.1999 to submit a revised rehabilitation proposal within ten weeks after getting additional details on the report of Tata Economic Consultancy Services (TECS), Consultants appointed by IDBI, Operating Agency (O.A.), who have carried out the techno-economic viability study of each and every plant of the Company. Accordingly, the Company, based on TECS report submitted the revised rehabilitation proposal to IDBI on 22.9.1999, which inter alia stipulated for (a) running of Grey Cement and White Cement plants in the Company, (b) running of Jhalawar plants in joint venture and (c) sale of Kota plants which have been found by TECS as unviable. The said proposal was duly considered in a joint meeting of Financial Institutions and Banks held on 17.1.2000. As per the minutes of the meeting received from IDBI, the consensus was to approach BIFR with a request to allow issue of advertisement for sale of all the units separately on a going concern basis and to formulate a final rehabilitation Scheme based on the bids to be received. Subsequently, IDBI amended the original minutes by substituting the word "all" by the word "some". The Company made a representation with regard to the conclusion of IDBI which was arrived at erroneously in as much as (as per the minutes) the views of ICICI and the Banks were different or conditional. The Company also sought consent of the Financial Institutions and Banks to appoint the Company as an Agent for Kota and Jhalawar Complexes without payment of royalty as the possession of these plants was very much needed for arranging the inspection of plants by the prospective buyers/joint venture partners. IDBI, accordingly convened another joint meeting of the Financial Institutions and Banks on 10.4.2000. As per the minutes of the meeting, there was consensus amongst Financial Institutions and Banks to handover the possession of Kota & Jhalawar plants to the Company but on the issue of advertisement for running plants, no unanimous opinion could be formed. Subsequently, on 3.5.2000 Hon'ble Mumbai High Court directed the Court Receiver to appoint the Company as Agent for Kota and Jhalawar Complexes. In the meantime, BIFR had fixed a hearing on 27.4.2000 to consider the request of the IDBI (O.A.) seeking permission for issue of



advertisement for sale of some of the units of the Company. In the hearing on 27.4.2000 before BIFR, the Company had made strong case against IDBI's (O.A.) request on the grounds that in order to work out a viable Rehabilitation Proposal, it was necessary, as a first step, to work out a Proposal for Sale/Joint venture for plants at Kota and Jhalawar in respect of which considerable progress has already been made by the Company. The Company, therefore, sought time to submit revised proposal after firming up the proposals of Kota and Jhalawar plants. In the hearing on 27.4.2000, BIFR had reserved its Order. Subsequently, the Company received the record of the proceedings in respect of the hearing held on 27.4.2000, which contained several omissions of the submissions made by the Company and incorrect recording of submissions made by the other parties, i.e. Workers' Unions etc. during the hearing. The Company as well as Workers' Unions, therefore, made representations to BIFR. In the meantime, a copy of the Order of BIFR dated 6.6.2000 was received by the Company, which inter-alia included the following:-

- (a) IDBI (O.A.) would issue an advertisement by 7.7.2000 for change of management of the Company inviting offers for take-over/leasing/amalgamation/merger for rehabilitation with or without one time settlement of the dues of Financial Institutions and Banks.
- (b) The change of the management will be for the Company as a whole. However, bids can be made for the Company as a whole or any one or more of the units of the Company. The Promoters have been given option to submit their offer also for the Company as a whole or one or more units of the Company.

Aggrieved by the Order of BIFR, J.K. White Cement Mazdoor Sangh, Gotan has obtained stay Order from Hon'ble High Court, Rajasthan, Jodhpur, a copy of which has been served upon the Company, thereby, the operation of the Order of BIFR stands stayed. The Company has also filed an appeal before AAIFR against the Order of BIFR as the Order is prejudicial to the interest of the Company and Shareholders.

## 8. OPERATIONS

### 8.1 MAN-MADE FIBRE UNITS - KOTA AND JHALAWAR

Company's Man-made fibre plants at Kota and Jhalawar continued to be under the possession of the Court Receiver appointed by the Hon'ble Mumbai High Court and there have been no manufacturing operations in these plants during the year under report.

In its efforts to find out the buyers and joint venture alliances for these two Complexes, the Company needed the possession of these plants to make these presentable for inspection to the interested buyers/joint venture partners. After great efforts, the Hon'ble Mumbai High Court vide its Order dated 3.5.2000 appointed the Company an Agent of these two Complexes also without any royalty and possession of these plants has been received back by the Company during 19.6.2000 to 28.6.2000. While taking over the possession, it has been found that there has been substantial loss of Company's properties during the period the plants were under the possession of the Court Receiver.

Necessary steps are being taken to lodge claims for compensation within the legal framework after receipt of full details.

## 8.2 CEMENT PLANTS

### GREY CEMENT

Improvement in demand witnessed by the Cement Industry in last quarter of 1998-99 continued throughout 1999-2000 and the Industry recorded growth of 15% in demand during the financial year 1999-2000. However, inspite of growth in demand the prices of Grey Cement did not improve, rather reduced to some extent due to cut-throat competition, as a result of which the margins continued to be under pressure. Despite several odds, your plant at Nimbahera has crossed the production level of 20 lacs tonnes (actual production 20.02 lacs tonnes) in comparison to 17.07 lacs tonnes in the previous year recording a growth rate of 17.28% as against Industry average of 15.12%. Similarly, the despatches during 1999-2000 have been at a higher level of 19.89 lacs tonnes as against 17.17 lacs tonnes in the previous year. Continuous efforts have brought down the power and fuel consumption substantially. Barring unforeseen circumstances, your Directors expect to achieve yet higher production and despatches during the current financial year 2000-2001 with further decrease in power and fuel consumption and other costs.

### WHITE CEMENT

White Cement unit recorded higher production at 1.92 lacs tonnes during the current year as compared to 1.78 lacs tonnes of previous year. There has been substantial increase in cost of fuel which could not be passed on fully to the Customers. Therefore, inspite of higher sales, the profitability during the year was lower compared to the previous year. The Company has been able to maintain its market share and leadership position.

## 8.3 SYNTEX TUBE WORKS

After the closure of the unit, all the employees have resigned from the services and their dues have been paid off.

## 8.4 EXPORTS

Exports during the year amounted to Rs. 156.68 lacs only.

## 9. RESEARCH & DEVELOPMENT

No research activities could be carried out due to closure of Kota plants, where such research facilities are housed.

## 10. CONSERVATION OF ENERGY, TECHNOLOGY ABSORPTION, FOREIGN EXCHANGE EARNINGS AND OUT GO

Particulars with regard to Conservation of Energy, Technology Absorption, Foreign Exchange Earnings and out go in accordance with the provisions of Section 217(1)(e) of the Companies Act, 1956 read with the Companies (Disclosure of Particulars in the Report of Board of Directors) Rules, 1988, in respect of Cement plants are annexed and

form part of the Report. The information in respect of Man-made fibre plants at Kota and Jhalawar is not being furnished as the plants during the year remained closed.

# 11. PROJECTS UNDER IMPLEMENTATION

## CEMENT PROJECT - MANGROL

As already informed earlier, your Directors are of the view that implementation of Mangrol Project being vital for the Company, it is proposed to complete the same as a part of the rehabilitation proposal.

# 12. SUBSIDIARIES

The accounts of J.K. Satoh Agricultural Machines Ltd., Subsidiary Company, are annexed alongwith Statement pursuant to Section 212 of the Companies Act, 1956. However, the accounts of other Subsidiary Company namely Jaykay Tech Ltd. are yet to be finalised.

# 13. PERSONNEL

## 13.1 INDUSTRIAL RELATIONS

The Industrial relations during the year under review generally remained cordial in both the Cement Complexes. As reported last year, there is no further development in respect of the Man-made fibre plants at Kota and Jhalawar, which continued under lock-out/closure.

## 13.2 PARTICULARS OF EMPLOYEES

There is no employee getting Salary in excess of Rs. 50,000/- per month or more throughout or part of the financial year under review.

# 14. AUDITORS' REPORT

14.1 With regard to the provision of interest liability, as referred to in para 2 (e) (i) of the Auditors' Report, the Directors state that determination of this liability shall finally be worked out as a part of the rehabilitation package as the exact amount of such liability is not ascertainable as on date. Therefore, the required provision could not be made in the Books of Account.

14.2 The other observations of the Auditors are self-explanatory and have been properly dealt with in the Notes on Accounts.

# 15. COST AUDIT

Cost Audit accounting records have been maintained in respect of Grey Cement and White Cement plants and Cost Audit would be completed in respect of these Units. Since there has been no production in case of Man-made fibre Units, no costing records are required to be maintained.

# 16. DIRECTORS

16.1 Shri D.D. Rasgotra has joined the Board as Nominee Director of GIC vice Shri B. Surender Naidu. Your Directors, while welcoming the new incumbent, wish to place on

record their warm appreciation for the valuable services rendered by Shri B. Surender Naidu.

16.2 Two of your Directors namely Dr. K.B. Agarwal and Shri Shiromani Sharma will retire by rotation at the ensuing Annual General Meeting and are eligible for re-appointment.

# 17. AUDITORS

M/s. P.L. Tandon & Co., Chartered Accountants, Kanpur, Auditors of the Company, retire from their office. They are, however, eligible for re-appointment. They have furnished a Certificate to the effect that their appointment will be in accordance with the limits specified in sub-Section (1B) of Section 224 of the Companies Act, 1956. You are requested to consider their appointment.

# 18. COST AUDITORS

Pursuant to the directives of the Central Government and provisions of Section 233-B of the Companies Act, 1956, qualified Cost Auditors have been appointed to conduct the Cost Audit of Cement Units.

# 19. YEAR 2000 COMPLIANCE

The changeover to Year 2000 caused no problem in any systems or other areas of your Company's operations.

# 20. LISTING ARRANGEMENTS

The details regarding payment of listing fee to the Stock Exchanges are given below:

Sl. No.	Name of the Stock Exchange	Listing Fee paid upto	Remarks
1.	The Stock Exchange, Mumbai	1999-2000	Suspension Order in dealing Company's securities withdrawn w.e.f. 20.12.1999
2.	Calcutta Stock Exchange, Calcutta	1996-97	
3.	Delhi Stock Exchange, Delhi	1996-97	
4.	U.P. Stock Exchange, Kanpur	1999-2000	

# 21. ACKNOWLEDGEMENTS

Your Directors wish to place on record their appreciation for the valuable support received from IDBI, ICICI and other Financial Institutions, Bankers, Suppliers and Customers. The Board also thanks the Employees at all levels for their contribution.

FOR AND ON BEHALF OF THE BOARD

Kanpur  
Dated : 25th July, 2000

  
CHAIRMAN



## INFORMATION REQUIRED UNDER SECTION 217(1) (e) OF THE COMPANIES ACT, 1956

### A. CONSERVATION OF ENERGY

#### (a) Energy conservation measures taken

##### Grey Cement

- Kiln 1 & 2 SG Fans & Booster Fans variable speed.
- Kiln 3 Cooler Fan K 15 variable speed.
- Use of Petrocoke started to reduce fuel cost.

#### (b) Additional investments & proposals being implemented for reduction in conservation of energy.

##### Grey Cement

- Nil

#### (c) Impact of the measures at (a) and (b) above for reduction of energy consumption and consequent impact on the cost of production of goods.

##### Grey Cement

- Energy consumption reduced from 110 units to 103 units per ton of cement.
- Coal consumption reduced from 17.92% to 15.20% per ton of Clinker.

### B. TECHNOLOGY ABSORPTION

#### (i) Research & Development, specific area in which R & D has been carried out.

##### White Cement

- Use of low chrome grinding media in Raw mill to exercise better control in colouring impurities.
- Steam exhaust system improvement for better recovery of steam.
- Raw material quality improvement for consistency of quality.
- Colour monitor installed for fine control of tone/tinge of Cement.
- Fine tuning process operating parameters and chemical modules for consistency of quality.

#### (ii) Benefits derived as a result of above R & D.

##### White Cement

- Optimisation of various pumps resulting in annual saving of Rs. 1 lac approx.
- SG Fan damper removed to element pressure loss resulting in annual saving of Rs. 6 lacs approx.
- CM separator Fan damper removed to element pressure loss resulting in annual saving of Rs. 4 lacs approx.
- ESP - II Fan damper removed to element pressure loss resulting in annual saving of Rs. 1 lac approx.

#### (iii) Future Action Plan

##### Grey Cement

- Detailed engineering for mechanical transport system for CM 3,4.
- Continued efforts for output enhancement of each section.

- Dynamic separator for vertical Raw mill.
- Close circuiting of Cement mills.
- Removal of Dampers from the system.
- High efficiency Fan for Raw mill-4.
- Swirllex burner for Kilns.
- Folex cooler retrofit for heat saving and increase the production of Kiln no. 3.
- LP twin cyclone for power saving in line 3.
- Variable speed drive in selected equipment to reduce power.
- Sulzer D.G. sets to reduce power cost.

##### White Cement

- Four-stage pre-heater to reduce fuel consumption and increase production.
- Installation of pre-crushing (Roller Press) at Cement mill to increase mill production and reduce power consumption.

#### (iv) Expenditure on R&D

Cement	Rs./Lacs
(a) Capital	Nil
(b) Recurring	22.12
(c) Total	22.12
(d) Total R&D expenditure as % of total turnover of Cement group only	0.04

#### (v) Efforts in brief, made towards Technology Absorption, Adaptation and Innovation.

##### Cement

- Daily monitoring of power consumption.
- Condition monitoring of all critical equipments.
- Better "Inventory control" by computer.

#### (vi) Details of Imported Technology

- NIL

### C. FOREIGN EXCHANGE EARNINGS AND OUTGO

(i) Activities relating to exports, initiatives taken to increase exports development of new export market for products and services and export plans.	Mentioned in the main report
(ii) Total foreign exchange used and earned:	
(a) Total foreign exchange used	Mentioned in Notes on Accounts
(b) Total foreign exchange earned	

**REMARK :** The man made fibre plants at Kota and Jhalawar remained closed during the year.

## FORM-A

## ANNEXURE

## FORM FOR DISCLOSURE OF PARTICULARS WITH RESPECT TO CONSERVATION OF ENERGY

PARTICULARS	GREY CEMENT		WHITE CEMENT	
	Current Year	Previous Year	Current Year	Previous Year
<b>(A) POWER AND FUEL CONSUMPTION</b>				
<b>1. Electricity</b>				
<b>(a) Purchased</b>				
Units/KWH ('000)	125026	126602	5539	8508
Total Amount (Rs./Lacs)	4824.90	4140.12	225.57	272.46
Rate/Unit (Rs.)	3.86	3.27	4.07	3.20
<b>(b) Own Generation</b>				
(i) Through Diesel Generator:				
Units/KWH ('000)	26191	8437	18835	15089
Unit per Litre of Diesel/Oil	3.97	3.80	3.85	3.77
Rate/Unit (Rs.)	2.02	2.21	2.43	2.28
(ii) Through Steam Turbine Gen. Unit:				
Units/KWH ('000)	68062	61055	NIL	NIL
Unit per Litre of Oil/Coal	0.87	0.95	N/A	N/A
Rate/Unit (Rs.)	2.51	2.43	N/A	N/A
<b>2. Coal (Grade B, C and D)</b>				
Quantity (Tonnes)	371211	356455	NIL	NIL
Total Cost (Rs./Lacs)	9301.79	8282.11	N/A	N/A
Average Rate (Rs./Tonne)	2506	2323	N/A	N/A
<b>3. Furnace Oil</b>				
Quantity (K. Ltrs.)	—	—	24722	24018
Total Amount (Rs./Lacs)	—	—	2090.67	1508.10
Average Rate/K. Ltrs. (Rs.)	—	—	8457	6279
<b>4. Other/Internal Generation</b> (For Generation of Power from D.G. Sets)				
Quantity (K. Ltrs.)	6595	2222	NIL	NIL
Total Amount (Rs./Lacs)	528.39	186.28	N/A	N/A
Average Rate/K.Ltrs. (Rs.)	8812	8383	N/A	N/A
<b>(B) CONSUMPTION PER UNIT OF PRODUCTION</b>				
1. Electricity (KWH/Unit)	103	110	128	129
2. Furnace Oil (K. Ltr/Unit)	N/A	N/A	132	130
3. Coal (Grade B, C and D) (K. Cals./Kg.)	846	864	N/A	N/A
4. Steam/Coal (Tonne)	NIL	NIL	N/A	N/A
5. Others (Specify)	N/A	N/A	N/A	N/A