



68th
वार्षिक रिपोर्ट
Annual Report
2011-2012

दि फर्टिलाइजर्स एण्ड केमिकल्स ट्रावन्कोर लिमिटेड
THE FERTILISERS AND CHEMICALS TRAVANCORE LIMITED



THE FERTILISERS AND CHEMICALS TRAVANCORE LIMITED
REGISTERED OFFICE : Eloor, Udyogamandal, Kochi, Kerala

THE FERTILISERS AND CHEMICALS TRAVANCORE LIMITED

Registered Office: Eloor, Udyogamandal, Kochi.

NOTICE TO SHAREHOLDERS

NOTICE is hereby given that the 68th Annual General Meeting of the Company will be held on Friday the 28th day of September, 2012 at 11.00.A.M at Udyogamandal Club at Eloor, Udyogamandal, Kochi to transact the following business:

Ordinary Business

1. To receive, consider and adopt the audited Balance Sheet as at 31st March, 2012 and the Profit and Loss statement for the year ended on that date and Reports of the Directors and Auditors thereon.
2. To elect a Director in place of Dr. V. Rajagopalan, who retires at the Annual General Meeting and being eligible, offers himself for re-election.
3. To elect a Director in place of Shri S.C. Gupta, who retires at the Annual General Meeting and being eligible, offers himself for re-election.

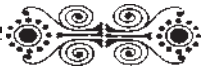
By Order of the Board of Directors.

Sd/-
K.V.Balakrishnan Nair
Company Secretary

Eloor, Udyogamandal
Date : August 23, 2012

Note:

1. The Register of Members will be closed from 26th September 2012 to 28th September 2012 both days inclusive.
2. A Member entitled to attend and vote at the Meeting is entitled to appoint a proxy to attend and vote instead of himself and the proxy need not be a member.



THE FERTILISERS AND CHEMICALS TRAVANCORE LIMITED

REGISTERED OFFICE : Eloor, Udyogamandal, Kochi, Kerala

BOARD OF DIRECTORS

Shri Sham Lal Goyal
Chairman & Managing Director

Shri V.K.Anil
Director (Technical)
(w.e.f 28.06.2011)

Dr.V.Rajagopalan
Part-time official Director
(w.e.f 12.08.2011)

Shri Satish Chandra
Part-time official Director
(upto 12.08.2011)

Ms. Pratibha Karan
Non-official Part-time Director
(up to 03.10.2011)

Prof.Khan Masood Ahmad
Non-official Part-time Director
(up to 03.10.2011)

Dr.B.S.Ghuman
Non-official Part-time Director
(up to 03.10.2011)

Shr S.Balan
Non-official Part-time Director
(up to 04.03.2012)

Shri P.Muthusamy
Director (Finance)

Shri P.K.Chandrasekharan
Director (Marketing)
(w.e.f 30.11.2011)

Shri S.C.Gupta
Part-time Official Director
(w.e.f 12.08.2011)

Shri V.G. Sankaranarayanan
Director (Technical)
(upto 30-4-2011)

Shri T.M.Jeyachandran
Non-official Part-time Director
(up to 03.10.2011)

Prof.R.K.Mishra
Non-official Part-time Director
(up to 03.10.2011)

Dr.B.Bodeiah
Non-official Part-time Director
(up to 04.03.2012)

Chief Vigilance Officer
Shri J. Vinayan

Company Secretary
Shri. K.V.Balakrishnan Nair

Auditors

Statutory Auditors
M/s. Babu A Kallivayalil & Co
Kochi

COST AUDITORS
M/s. Sukumaran & Co.,
Cost Accountants,Thiruvananthapuram

Branch Auditors
M/s. R.Sadasivan & Co.
Chennai

M/s. Ramanatham & Rao
Hyderabad

BANKERS

State Bank of Travancore
State Bank of Hyderabad

Bank of Baroda
Bank of India

State Bank of India
Canara Bank, Dena Bank



THE FERTILISERS AND CHEMICALS TRAVANCORE LIMITED

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CHAIRMAN'S STATEMENT

Dear Shareholders,

On behalf of the Board of Directors of your company, FACT, it is my pleasure to extend a warm welcome to all of you to the 68th Annual General Meeting.

It is with immense pleasure and a sense of satisfaction that I address this august gathering as Chairman and Managing Director for the second time.

The Annual Report for the financial year ended 31st March, 2012 along with the Director's Report, Audited Annual Accounts and Auditor's Report are with you for some time and with your permission, I shall take them as read.

Dear Members, you might have noticed that during the year 2011-12 your company has reported a profit of Rs.19.80 crores. During the year 2011-12, your company was able to improve the sales turnover and a marginal reduction in interest and finance charges. As we have gathered here for the 68th Annual General Meeting, I recall the performance of your company during the last one decade. There was a time when the financial performance witnessed varying degrees of negative swing to the extent that it threatened to bring down the morale. But I am happy that FACT has been able to overcome all the roadblocks and move ahead with a firm determination. It is my pleasure and pride to note that your company has earned a profit of Rs.19.80 crores during 2011-12 against a loss of Rs.49.33 crores during 2010-11 indicating reversal of the loss trend. All of us here, all in the FACT family, can hold their head high in the realization that they have a place in this achievement. The greatest challenge before us is to maintain the trend created during the last year and to further improve the performance and profitability during the current year and succeeding years.

The Indian fertilizer industry is passing through a challenging phase for the last two years. Many policy changes have taken place during this period. The policy changes have set in motion a way of change and the sweep of which has the potential to transform the fertilizer industry and the agriculture sector in India. The policy changes are generally beneficial for the long term sustenance of FACT. But unfortunately the company was not able to fully capitalise the changes in policy to its advantage.

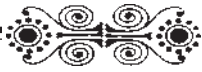
FACT has to go a long way to achieve its past glory. The support of Central and State Governments and all other stake holders are required for the same. Initiative is to be taken at all levels utilizing expertise and strength for a common goal - the growth and development of FACT.

The key focus area in growth and expansion of your company is implementation of various projects utilizing the existing resources available such as land. As part of its long term plan, FACT has identified certain projects for its diversification and expansion. These projects form part of the 12th Plan proposals submitted by FACT to the Government of India. The projects in the purview of FACT include expansion of Complex fertilizer production by 1000 Tonnes per day, setting up a 1500 TPD Urea Plant at Udyogamandal, setting up a 2000 TPD Sulphuric Acid Plant at Cochin Division and also a 2850 TPD Ammonia-3500 Urea complex at Cochin Division. The total investment required for these projects will be above Rs.5000 crore. FACT intends partnering with Public or private sector companies for executing these projects on the Joint Venture concept. FACT had invited Expression of Interest for these ventures and has received positive response for some projects. Discussions are going on to finalise the business model and funding options. For the successful implementation of these projects, FACT is hopeful of getting full support from Government of Kerala and Government of India.

Improvement in the efficiency of existing equipments and enhancement of port facilities in Willingdon Island are the essential requirements for enabling handling of the increased raw material movement essential for the above expansion schemes. Schemes pertaining to this are included in the 12th plan and will be executed in phases over a period of 2 to 3 years.

Terms and conditions for setting up of a Container Freight Station as a Joint initiative in association with Central Warehousing Corporation has been finalized. Formal approval from Government of Kerala for leasing out the land to CWC for the project is awaited.

During the first quarter of the financial year 2012-13, the fertilizer industry in India was not able to maintain the growth achieved during the last year. Production of N & P2O5 fell short by 2.48 lakh tonnes



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and 4.2 lakh tonnes respectively from the target for the quarter April-June 2012.

Due to various reasons your company was also lagging behind in its production target. The company was able to produce 229003 MT of Factamfos and 55012 MT of Ammonium Sulphate upto August 2012 as against MOU target of 249000 MT of Factamfos and 66600 MT of Ammonium Sulphate. The production of Caprolactam upto August 2012 is 10027 MT as against MOU target of 14800 MT. Constraints in the availability of Phosphoric Acid, decreasing trend in the prices of Caprolactam in the international market coupled with the increase in the prices of Naphtha and other intermediaries are the biggest challenges being faced by FACT. Erratic monsoon in the south Indian States has affected the sales of Factamfos and Ammonium Sulphate. With the active support and cooperation of all stake holders, FACT is trying for improvement in production and sales in the remaining months of the financial year 2012-13 and end up the financial year with a positive results.

The financial results upto August 2012 is not encouraging. Additional compensation for manufacturers using Naphtha for the current year is yet to be notified. The company has requested Government of India to continue additional Naphtha compensation till switch over of feed stock from Naphtha to LNG and the same is under the active consideration of Government of India. The company is hopeful of obtaining necessary notification towards additional compensation during the current year also and such notification would enable the company to report better financial performance and ease out the liquidity constraints being faced by the company.

FACT's fortunes are deeply connected with availability of LNG at Kochi by this year end, a promising development on the industrial horizon of Kerala. But the concern is the pricing of Kochi LNG. It is apprehended that the landed price of LNG at Kochi will be around \$18 per MMBTU, whereas some of the fertilizer companies are at present getting natural gas at about \$4 per MMBTU. A request has been made to the Government and the company is expecting some assistance and support to address the issue. Let us hope that the availability of LNG at Kochi will lead to the fulfillment of the growth and expansion which this company is aspiring for.

For the turnaround of FACT, Department of Fertilizers has advised the company to submit a detailed financial restructuring proposal made by a Consultant for submission to the BRPSE. Accordingly the company has appointed M/s.Deloitte Toache Tohmatsu India Pvt. Ltd. for preparing a detailed financial restructuring proposal. M/s.Deloitte has submitted a financial restructuring proposal which is under the consideration of the company. The proposal submitted by M/s.Deloitte will be forwarded to the Ministry shortly.

It is a matter of satisfaction to inform you that the FACT-RCF Building Products Limited, the first Joint Venture company of FACT has commenced commercial production and the first consignment of Load Bearing Gypsum Panel was flagged off from FRBL on 3rd August 2012.

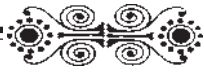
Acknowledgement

I hereby place on record my sincere thanks to my colleagues on the Board of Directors for their advice and support, the Trade Unions, Officers' Forums and to all the employees of the company for their dedicated efforts and unstinted support for overcoming various challenges facing the company and for their contribution for the revival and growth of FACT. I must also thank the various departments of Government of India, in particular the Department of Fertilizers and Department of Public Enterprises for the support given to FACT. Gratitude is also extended to the various departments of the Government of Kerala, Government of Tamilnadu, Government of Karnataka, Government of Andhra Pradesh and Government of Puducherry.

I also express my sincere thanks to all other stake holders like farmers, suppliers, buyers, contractors, banks, shareholders, depositors, auditors, dealers and the general public for the trust they have been reposing on us. I sincerely place on record my appreciation to Indian Railways, Cochin Port Trust, CISF and PSUs like BPCL, IOCL, GAIL, RCF, PDIL, etc. for the support and cooperation being extended to FACT. I also wish to thank the print and electronic media for their constructive criticism, support and encouragement.

SHAM LAL GOYAL
CHAIRMAN & MANAGING DIRECTOR

Udyogamandal
28.9.2012



THE FERTILISERS AND CHEMICALS TRAVANCORE LIMITED

REGISTERED OFFICE : Eloor, Udyogamandal, Kochi, Kerala

DIRECTORS' REPORT

To the Members,

Your Directors are happy to present the 68th Annual Report and Audited Accounts of the Company for the year ended 31st March 2012.

Your Directors are pleased to report that your company has achieved highest ever turn over of ₹2937 crore and earned a profit of ₹19.80 crore in the financial year 2011-12.

Highlights

- All time High Sales Turnover
- All time Record Sales of Gypsum
- Profit of ₹19.80 crores
- Increase in networth
- Reduction in interest and finance charges
- Improvement in working capital position
- Increase in sales of Urea and Organic Fertilizers
- Awards and Recognition from National Safety Council

PERFORMANCE – FINANCIAL, PRODUCTION AND SALES

A. FINANCIAL / ₹ lakh

		2011-12	2010-11
1	Revenue from operations	287604.83	246072.63
2	Other Income	3670.17	3059.91
3	Total Revenue	291275.00	249132.54
4	Total Expenses	289295.19	253244.06
5	Profit Before Tax	1979.81	(-) 4932.67
6	Tax Expenses	Nil	Nil
7	Profit After Tax	1979.81	(-) 4932.67

Due to the accumulated loss, your Directors are not recommending any dividend for the year 2011-2012.

B. PRODUCTION / In Tonnes

		2011-12	2010-11
1	Factamfos 20:20	622256	644454
2	Ammonium Sulphate	163468	200311
3	Caprolactam	37854	44345

C. SALES / In Tonnes

		2011-12	2010-11
1	Fertilisers	834580	932670
2	Caprolactam	40963	44136



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The performance of the company during the year 2011-12 was satisfactory. The company was able to maintain the production and sales at a reasonable level and earn a marginal profit. Financial results of the company for the year 2011-12 shows a Profit of ₹19.80 crore as against the loss of ₹49.32 crore during the year 2010-11.

During the financial year 2011-12, the company has faced several constraints in the production and marketing front.

The production of finished products has come down during the year under review as compared to the previous year. The main reason for adverse variation in production is constraint in the availability of Phosphoric Acid and the unexpected shutdown of ammonia plant on account of Carbon Di-oxide absorption section failure. The lower production has resulted in lower sales volume.

Low production and sales volume have affected the financial performance of the company. Steep increase in the prices of raw materials and intermediates has also affected the financial performance of the company adversely. Due to aging of plants, the company continues to incur considerable amount towards repairs and maintenance. The adverse impact of the exchange rate variation has also affected the profitability of the company. The adverse effect of exchange rate variation in the financial year 2011-12 is ₹12.38 crore as against a favourable effect of ₹11.32 crore during the year 2010-11.

However, marginal reduction in the interest and finance charges, improvement in the working capital position and net-worth are the silver lines in the performance of the company in the financial front.

As compared to the previous year, the company is able to achieve a reduction of ₹6.63 crore in the interest and finance charges. This is due to the lower utilization of bank limit and the reduction in interest rates. The net-worth of the company has also increased to ₹161.48 crore as against a net-worth of ₹141.69 crore as on 31.3.2011.

In order to improve the turnover and profitability, the company is concentrating also on marketing of traded products. During the year 2011-12, FACT has handled 56696 MT of imported Urea and 39430 MT of MOP at Cochin Port.

Prior to the financial year 2007-08, in the absence of viable market for Gypsum, the company did not value Gypsum stock in the books of accounts. Based on the qualification of the statutory auditors during 2007-08, the company started valuing Gypsum stock at net realizable value considering the estimated sales quantity of 5 years, out of the total stock available with the company. Based on the qualification of statutory auditors with regard to valuation of Gypsum on the accounts of 2010-11, opinion of Expert Advisory Committee of the Institute of Chartered Accountants of India was obtained as advised by the Principal Director of Commercial Audit and Ex-Officio Member Audit Board.

Accordingly, the company has valued the entire saleable quantity of Gypsum as against the 5 years sales quantity.

To promote Integrated Plant Nutrient Management, FACT is expanding the sale of organic manure to the States of Kerala and Tamil Nadu. During the year 2011-12, FACT has sold 5150 MT of organic manure. The company has sold 36772 MT Bagged Gypsum in the year 2011-12 compared to 38051 MT during the year 2010-2011. The company has plans to sell 50,000 MT of bagged Gypsum during the year 2012-2013.

The performance of the company during the first quarter of the financial year 2012-13 is not encouraging. The shut down of plants during April and May 2012 for Annual Maintenance has affected the production of finished products. Constraints in the availability of Phosphoric Acid continue to affect the production performance of the company for the year 2012-13. However, during the first quarter the production of Factamfos in Cochin Division was higher compared to the corresponding quarter of the previous year.

The company expects some improvement in performance in the coming months and expects to end the financial year 2012-13 with positive working result.

The additional compensation for use of Naphtha in the production of Ammonia has been allowed by the Government only upto 31.3.2012. The company expects Government notification on additional compensation for use of Naphtha in the year 2012-13 also.

Your Directors are pleased to inform you that the Joint Venture Company - FACT-RCF Building Products Limited - has started commercial production with effect from 1st June 2012.

MANAGEMENT DISCUSSION AND ANALYSIS REPORT

A Management Discussion and Analysis Report covering the operational aspects during the year 2011-2012 is enclosed.

DIRECTORS' RESPONSIBILITY STATEMENT

Pursuant to Sec.217(2AA) of the Companies Act, 1956, your Directors hereby state:

that in the preparation of annual accounts, the applicable accounting standards had been followed along with proper explanation relating to material departures.

that the directors had selected such accounting policies and applied them consistently and made judgments and estimates that are reasonable and prudent so as to give a true and fair view of the state of affairs of the Company as at March 31, 2012 and of the profit of the company for the period from 1st April 2011 to 31st March 2012.

that the directors have taken proper and sufficient care for the maintenance of adequate accounting records in accordance with the provisions of this Act, for safeguarding the assets of the Company and for preventing and detecting fraud and other irregularities.



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that the annual accounts have been prepared on a going concern basis.

REPORT ON CORPORATE GOVERNANCE

Your Directors are pleased to state that your Company has been practicing the principles of good Corporate Governance. The Board lays emphasis on transparency and accountability for the benefit of all stake-holders of the Company. Report on Corporate Governance in accordance with the listing agreement is annexed to this report.

STATUTORY AUDITORS, COST AUDITORS

M/s. Babu A.Kallivayalil and Co., Chartered Accountants, Kochi, was re-appointed as Statutory Auditors of the Company for the year 2011-12 by the Comptroller and Auditor General of India. M/s. R.Sadasivan and Co, Chartered Accountants, Chennai was appointed as Branch Auditors for Tamilnadu and Kerala area and M/s. Ramanatham and Rao, Chartered Accountants, Hyderabad was re-appointed as Branch Auditors for Karnataka and Andhra Pradesh area of the Company for the year 2011-12 by the Comptroller and Auditor General of India.

M/s. Sukumaran & Co., Cost Accountants, Thiruvananthapuram has been appointed as Cost Auditors of the Company for the year 2011-12.

Comments of Statutory Auditors

The Statutory Auditors in their report has made certain comments on the Accounts of the Company for the year 2011-12. The replies to the comments of Statutory Auditors are annexed to this report.

DIRECTORS RETIREMENTS & APPOINTMENTS

Government of India, Ministry of Chemicals and Fertilisers, Department of Fertilisers, vide Order No.130/8/2003-HR-1 dated 8th August 2011 notified the appointment of Dr.V.Rajagopalan, Additional Secretary & Financial Adviser, Department of Fertilisers and Shri S.C.Gupta, Joint Secretary (F&P), Department of Fertilisers, as Part-time Official Directors on the Board of FACT.

Government of India, Ministry of Chemicals and Fertilisers, Department of Fertilisers, vide Order No.86/3/2009-HR-1 dated 29th November 2011 notified the appointment of Shri P.K.Chandrasekharan as Director (Marketing) on the Board of FACT.

Pursuant to Government of India, Ministry of Chemicals and Fertilizers, Department of Fertilizers Order No.130/8/2003-HR-I dated 8th August 2011, Shri Satish Chandra, Director, ceased to be a Director on the Board of Directors of FACT.

On completion of the 3 years term, Ms.Pratibha Karan, Shri T.M.Jeyachandran, Shri.Khan Masood Ahmad, Prof. R.K.Mishra and Dr.B.S.Ghuman, Non-official Part-time Directors of the company retired from the Board of FACT on 03.10.2011.

Dr.B.Bodeiah and Shri S.Balan, Non-official Part-time Directors retired from the Board of FACT with effect from 04.03.2012 on completion of three years.

The Board place on record its appreciation of the valuable services rendered by Shri Satish Chandra, Ms.Pratibha Karan, Shri T.M.Jeyachandran, Shri.Khan Masood Ahmad, Prof. R.K.Mishra, Dr.B.S.Ghuman Dr.B.Bodeiah and Shri S.Balan.

AUDIT COMMITTEE

In line with the Provision of Section 292(A) of the Companies (Amendment) Act 2000 and Clause 49 of the listing agreement with Stock Exchange, an Audit Committee of the Board has been constituted.

PUBLIC DEPOSITS

The total amount of Fixed Deposits as on 31st March 2012 was ₹ 4073.13 lakh. As on 31-03-2012, 27 depositors have not claimed their deposits amounting to ₹ 24.76 lakh.

CONSERVATION OF ENERGY, TECHNOLOGY ABSORPTION AND FOREIGN EXCHANGE EARNINGS AND OUTGO

Information regarding the conservation of energy, technology absorption, adaptation & innovation and foreign exchange earnings and-outgo required as per Section 217(1) (e) of the Companies Act, 1956 is set out in a separate statement attached to this report and forms part of it.

EMPLOYEES PARTICULARS, REMUNERATION ETC.

During the year no employee had received remuneration within the purview of Section 217(2A) of the Companies Act, 1956.

ACKNOWLEDGEMENT

Your Directors gratefully acknowledge the valuable guidance and support extended by the Government of India, Department of Fertilisers and the State Governments of Kerala, Tamilnadu, Karnataka and Andhra Pradesh.

The Directors deeply appreciate the committed efforts put in by the employees and look forward to their dedicated services and endeavour in the years ahead to enable the Company to scale greater heights.

The Directors also acknowledge the continued support extended by the Shareholders, Depositors, Dealers, Suppliers and Customers of the Company, the Press and Electronic Media.

For and on behalf of the Board of Directors.

Sd/-
Sham Lal Goyal
Chairman and Managing Director

Udyogamandal
Date: August 23, 2012



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ANNEXURE TO DIRECTORS' REPORT

Particulars Required under Companies
(Disclosure of particulars in the report of Directors) Rules 1988

A. Conservation of Energy

- The Raw materials/utilities consumption of all the products is monitored regularly by evaluating the critical parameters. The raw-material/energy efficiency is reviewed on monthly basis to identify the weak areas and rectify the shortcomings. Efforts are being made for energy conservation utilizing variable frequency drives wherever possible and introducing solar panel lighting in office buildings.

B. Technology Absorption, Adaptation and Innovation

Efforts in brief

- Modifications are being carried out to switch over the feedstock in the Ammonia Plant from costly Naphtha to cheaper LNG.
- Modifications are being implemented to convert the boiler in Udyogamandal Complex to dual fuel firing (LNG/Furnace Oil).
- Automation of the loading operations is being planned at Cochin Division, using modified conveyor systems.
- Automation of a granulator mixture plant is setting up at Cochin Division.
- A 4000 Litre Solar Water heating System was installed in Cafeteria replacing Electric Heater and also steam kettle used for cooking activities.
- Decision was taken to install Plate Heat Exchanger (PHE) in SO₂/Acid Plant.
- 3 KW Solar Power System was installed at Corporate Office.

Benefits derived

- The switch over to LNG in the Ammonia Plant is an effort by the company to utilize cheaper and cleaner fuel and feedstock. It also reduces energy consumption in Ammonia plant marginally.
- The switch over to LNG for the boilers is a step in the direction of saving on fuel cost and also using cleaner fuel which will in turn improve the thermal efficiency of the boilers.
- The automation of the loading operation will save on cost of loading, reduction of manual labour and also reduction in demurrage to railways.
- The setting up of the granulated mixture plant will help the company produce quality crop specific mixtures. It will save on manual labour and cost.
- On the installation of Solar Water heating System the company can save Rs.1.63 lakh per Annum
- The installation of Plate Heat Exchangers in SO₂ Acid Plant would avoid leaks resulting in contamination of circulating water with Acid. The installation of Plate Heat Exchangers will ensure sustained and trouble free operation of SO₂ Acid Plant.

- Installation of 3 KW roof top Photo Voltac System resulted in savings in energy cost.

R&D Activities

Details of Research & Development (R&D) activities are given in Form B.

C. Foreign Exchange Earnings and Outgo-Details of activities relating to export; Initiatives taken to Increase exports; development of new export market.

During the financial year 2011-12, 9010 MT of Caprolactam was exported as against 11985 MT during 2010-11. The exports were mainly to China, Thailand and Malaysia. FACT is an associate member of Federation of Indian Export Organisation and holding Two Star Export House Status.

Details of foreign exchange earning and outgo are given separately.

FOREIGN EXCHANGE EARNINGS AND OUTGO		
	Current Year ₹ in Lakh	Previous Year ₹ in Lakh
1) Foreign exchange earned	15389.01	13443.85
2) Foreign Exchange Outgo		
(i) C.I.F.Value of Imports:		
(a) Raw Materials	112923.22	77069.04
(b) Spares and Other Materials	194.00	148.24
(c) Capital Goods	1.76	62.54
	113118.98	77279.82
(ii) Expenditure in Foreign Currency (Cash Basis)		
(a) Consultancy Service	254.21	156.08
(b) Others	25.59	18.30
	279.80	174.38
Total (i) + (ii)	113398.78	77454.20



FACT
PIONEERS IN PROGRESS

THE FERTILISERS AND CHEMICALS TRAVANCORE LIMITED

REGISTERED OFFICE : Eloor, Udyogamandal, Kochi, Kerala

FORM A

Form for disclosure of particulars with respect to conservation of energy: 2011-2012

(A) POWER AND FUEL CONSUMPTION

Particulars	Udyogamandal Division		Cochin Division		Petrochemical Division	
	2011-12	2010-11	2011-12	2010-11	2011-12	2010-11
(1) ELECTRICITY						
(a) Purchased						
Unit: Lakh KWH	543.32	508.95	529.81	517.72	317.27	236.58
Amount ₹ in lakh	2010.90	1864.95	1937.67	1904.74	1166.71	867.44
Rate/Unit: ₹/KWH	3.69	3.66	3.66	3.68	3.69	3.66
(b) Own Generation						
(i) Through Steam						
Turbine/Generator						
Unit: Lakh KWH	200.12	239.34	-	-	370.87	555.09
Unit per liter of fuel						
KWH/liter	3.71	3.58	-	-	3.41	3.33
Cost/Unit: ₹ /KWH at normative levels	13.09	9.89	-	-	11.95	8.94
(ii) Transfer from other Divisions						
Unit: Lakh KWH	-	-	-	-	29.99	26.26
Unit per liter of fuel	-	-	-	-	3.71	3.58
KWH/liter	-	-	-	-	13.09	9.89
Cost/Unit: ₹/KWH at normative level	-	-	-	-	13.09	9.89
(2) FURNACE OIL/LSHS						
Quantity: Tonnes	42461	52135	10075	11450	45635	55191
Total Cost ₹ in Lakh	15506	13389	3540	2823	15821	14352
Average Rate ₹/MT	36518	25682	35137	24654	34669	26004

(B) CONSUMPTION PER UNIT OF PRODUCTION

Sl. No	PRODUCT	ELECTRICITY			NAPHTHA			FURNACE OIL/LSHS		
		Unit	2011-12	2010-11	Unit	2011-12	2010-11	Unit	2011-12	2010-11
1	UDYOGAMANDAL DIVISION									
	Ammonia	KWH	127	129	MT	0.6893	0.6970	MT	0.1858	0.2301*
	Sulphuric Acid	KWH	77	76	-	-	-	-	-	-
	Phosphoric Acid	KWH	-	-	-	-	-	-	-	-
	Ammonium Sulphate	KWH	48	45	-	-	-	-	-	-
	Factamfos 20:20	KWH	42	44	-	-	-	MT	0.0232	0.0204
2	COCHIN DIVISION									
	Sulphuric Acid	KWH	16	14	-	-	-	MT	0.0017	0.0033
	Phosphoric Acid	KWH	248	288	-	-	-	-	-	-
	Factamfos 20:20	KWH	66	66	-	-	-	MT	0.0202	0.0200
3	PETROCHEMICAL DIVISION									
	Caprolactam	KWH	1899	1847	-	-	-	MT	1.2269	1.3249*

* Includes fuel oil used for power generation