

Unit Profile

Sud Chemie India (P) Limited is a company with 50% share holding by Sud-Chemie AG Munich ,Germany. The main activities of Sud Chemie India Limited are manufacturing, sales and technical services related to catalysts for various uses in fertilizer, petroleum and petrochemical industries. The company has manufacturing plants in Edayar (Kerala) and Nandesari (Baroda).

The Edayar Unit (SCIL-EU), is situated in 21.52 Acres of land on the bank of the Periyar river. This manufacturing unit started operating in 1970 under the name of Catalysts and Chemicals India (West Asia) Limited and later changed the name to United Catalysts India Limited in 1978. The name was again changed to Sud Chemie India (P)Ltd. w.e.f. 18.12.2000. About 136 people are employed here inclusive of all levels.

Edayar Unit is engaged in the manufacturing and sales of catalysts and adsorbents for Fertilizer, Petroleum and Petrochemical Industries. The main products produced here are C12 series of high temperature shift catalysts, C18 series of low temperature shift catalysts and C7 series of sulphur adsorbents, HSA zinc oxide and catalyst for sulphuric acid manufacture. The annual turnover of the unit is more than rupees 60 crores. The R&D Division is engaged in research and development activities to help manufacturing unit and customers.

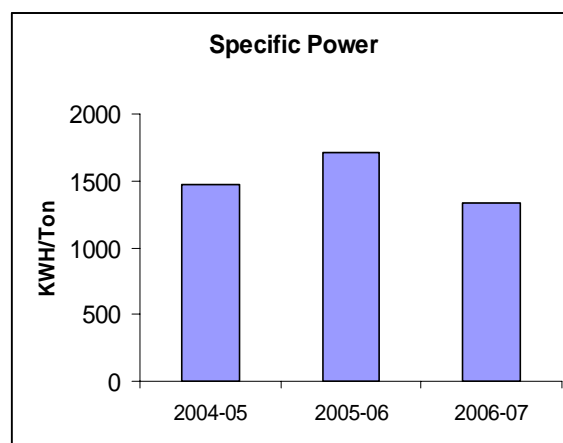
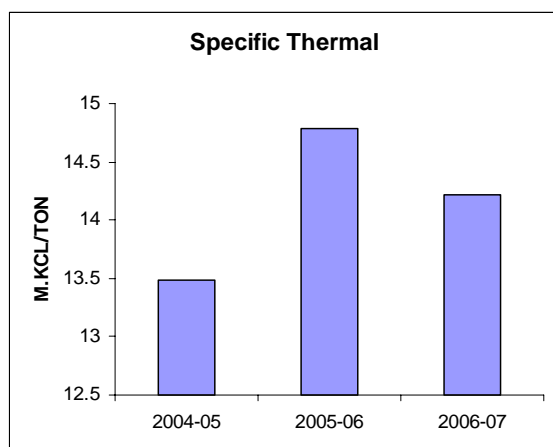
All major fertilizer plants in India use our products. Exports have been consistently growing and constitute more than 50% of our total production. MFL, MCF, FACT, GSFC, IFFCO, NFL, SPIC, SCAG, SCI, SCJ are some of our customers who have been buying our products for the past many years



The company has Green Belt in and around the premises, as part of the greening up of the environment.

Energy Consumption

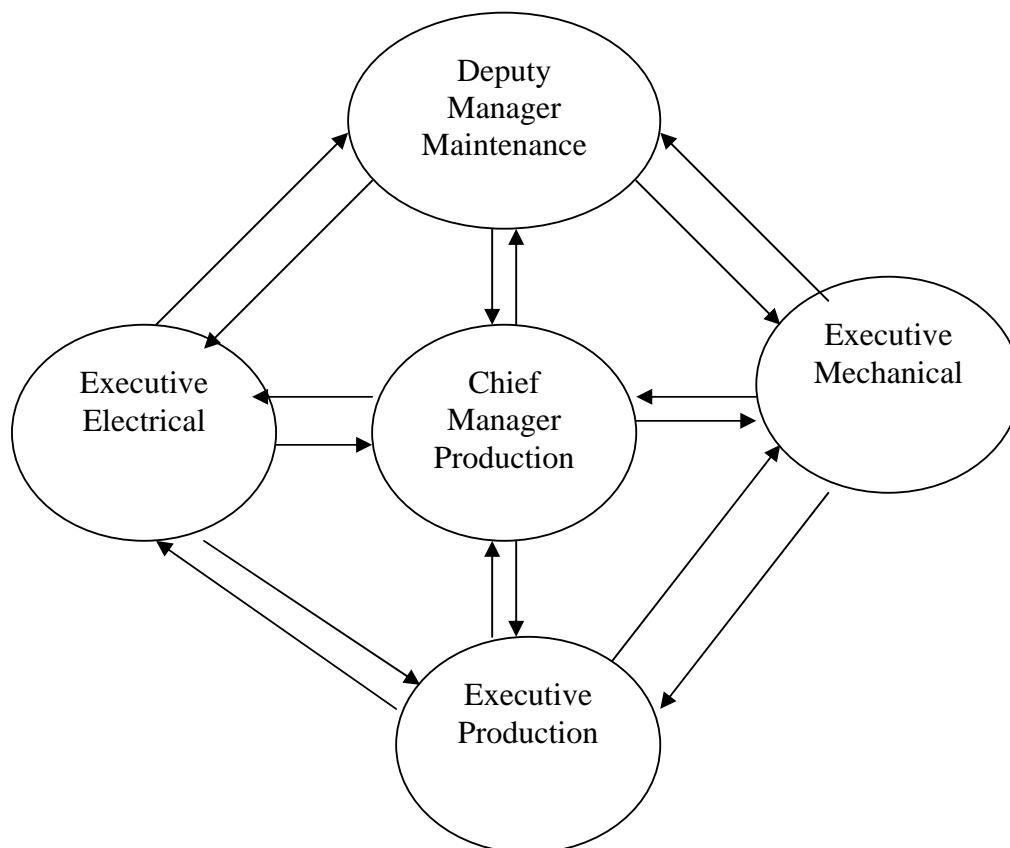
Sl.No	Description	Unit	2004-05	2005-06	2006-07
1.	Electric Energy Cost	Rs.Lakhs	100.39	91.58	112.73
2.	Thermal Energy Cost	Rs.Lakhs	426.81	357.86	620.96
3.	Manufacturing Cost	Rs.Lakhs	2451.55	2614.14	4888.42
4.	Total Energy Cost	Rs.Lakhs	527.2	449.44	733.69
5.	Energy Cost as % of Total Production Cost	%	21.5	17.19	15.01
6.	Specific Power	KWH/Ton	1476.16	1709.89	1338.91
7.	Specific Thermal	M.Kacl/Ton	13.48	14.79	14.22



Energy Conservation Commitment

SCIL-EU started the energy conservation measure in 2003-2004 . Since then involved in identification and implementation of various projects to conserve energy, emission reduction and cost reduction.

Energy Conservation Team



Energy Conservation Achievements

Year	Project	Electrical Saving KWH /year	Thermal Saving M.Kcal/Year	Savings Rs. Lacs	Investments Rs.Lacs
2006-2007	Replaced diesel pump with submersible pump in well			0.3	0.14
	Membrane Filter in C12 system to reduce the water content in the cake	74,500	36.13	3.98	28.3
	Change over to LED indicating lamps			0.01	
	Roof extractors installed in plant (60 nos)	22,815		0.91	5.1
	Replaced electric water with solar heater in workers bathroom and canteen	4320		0.17	0.4

2004-2005	Higher capacity dust control system installed in C18 catalyst system	33690	1.35		2.1
	30 HP blower for copper solution tank is replaced with new 7.5 HP thereby reducing noise levels.	32850	1.31		0.58
	Sub Total	66540	2.66		2.68

2005-2006	Producer Gas -1 **		763.9	29.42	26
	Fanless cooling tower **	39500		1.58	5.1
	C12 Hold tank pump (25 Hp with 10 Hp)	7650		0.31	0.7
	DM Booster pump	15840		0.58	0.45
	Change of 60 HP Pump with 2 pumps.	42768		1.7	2.3
	Changing of agitator in C12 precipitator 3 (30 hp with 7.5 hp)	39475		1.59	1.54
	Changing of agitator in C12 Hold tank (15 hp with 5 hp)	25108		1	1.58
	Changing of agitator in C18 Decoposer-2 (50 hp with 10 Hp)	19914		0.8	1.5
	1. Changing of agitator in C18 Hold tank (15 hp with 3 hp)	25995		1.04	1.3
	Replaced 30 Hp Blower with 7.5 hp in Copper Reactor 2	8612		0.86	0.75
	Savings due to Multi tip in C18 Tableting Machine **	3125		0.13	0
	Sub Total	227987		39.01	41.22

Achievements for the year 2006-07

1. Membrane Filter Press in C12 System For Reducing Water Content in Cake



Installed Membrane Filter Press in C12 System for Reducing moisture content in the cake

Investment : 28.3 lacs

Savings : 3.98 Lacs

2. Diesel well pump with submersible well pump



Replace Diesel pump with electric submersible electrical pump

Investment : Rs 14,000
Savings/ year : Rs 29,845

3. Roof Extractor Installed in Plant Roof (60 Nos)



Installed 60 nos of Roof Extractors to reduce heat in the plant and to improve work environment. There by reduce the use of exhaust fan

Investment : 5.1 Lacs
Savings : Rs 91,260

4. Changed over to LED Indicating Lamps




Replaced the indication lamps with LED indicating lamps -12 Nos

Investment : Rs 1200
Saving/ year : Rs 1520

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5. Solar Water Heater for Canteen and Workers Bath Room

	<p>Installed 2 nos of solar water heater</p> <p>Investment : Rs 40,000 Savings/Year : Rs 17,280</p>
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Energy Conservation Plans and Targets

Energy Conservation Measures (Planned)	Energy Value	Savings Rs. Lakhs	Approx. investment (Rs.lakhs)	Targeted Completion year
Thermal Saving				
Bio Mass Fired boiler-6TPH	1150 KL of FO	133.5	95	Dec-07
Producer Gas Plant 2	720 KL of MTO	99.36	74	Jan-08
C12 Rotay Calciner	93.24 KL of MTO	26.85	21	May-08
C18 Rotary Calciner	57 KL of MTO	16.5	24	Mar-08
C12 Band Drier for tablet drying	1.65 KL of MTO	0.56	24	Mar-08
Rotary Drier for C18 Mix mull	8.2 KL of MTO	2.7	15	Jun-08
Band Drier For C18 tablet Drying	8.3 KL of MTO	2.8	25	Jun-08
Band Drier For C12 tablet Drying				Mar-08
Electrical Saving				

C18 Hold Tank Pump	7650 KWH	0.38	0.85	Jan-08
Copper Reactor-1 Pump	17820 KWH	0.8	0.71	Oct- 07
APFC panel for power factor improvement and maintain at 0.99			2	Oct- 07
Solar Water Heater for canteen (200 lpd)		0.35	0.4	Nov-07
Low Temperature driers	132000 KWH	3	10	May-08
Lighting study			5	Mar-08
Drinking water pump replacement	31680 KWH	1.2	0.5	Oct- 07

Environment and Safety

The unit is committed to preserve its environment and safety of its employees.

System is under the process of certification of OHSAS 18001: 1999
Some of our achievements are

Environmental:

Environmental system is certified to ISO 14001:2004 standards and Secured FIRST PRIZE among medium scale industries for making substantial and sustainable effort in pollution control during the consecutive years 2004 and 2005, from Kerala State Pollution Control Board

Appreciation from Local Area Environment Committee (LAEC) for implementing pollution control measures during the period 2004- 06

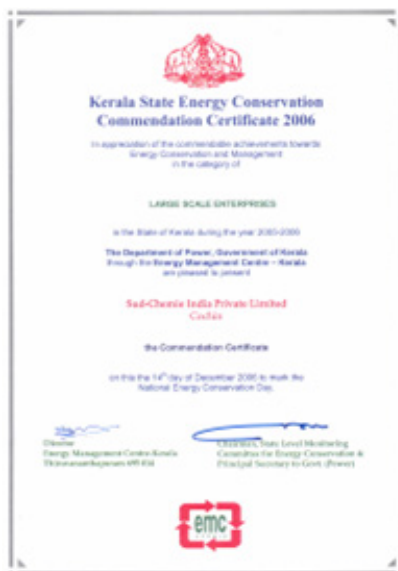


Zero effluent project initiated

We are one of the first to construct secured land fill in Kerala

Improved ammonia scrubbing by installing new scrubbing system
(investment : Rs 31 Lacs)

Received Appreciation from Energy Management Centre, Kerala for efforts made in energy conservation for the year 2005-06



Our Quality System is certified to ISO 9001:2000

Yearly health check up for all employees being done - no occupational diseases reported