



THE DHARAMSI MORARJI CHEMICAL CO. LTD.







1919 - 2019

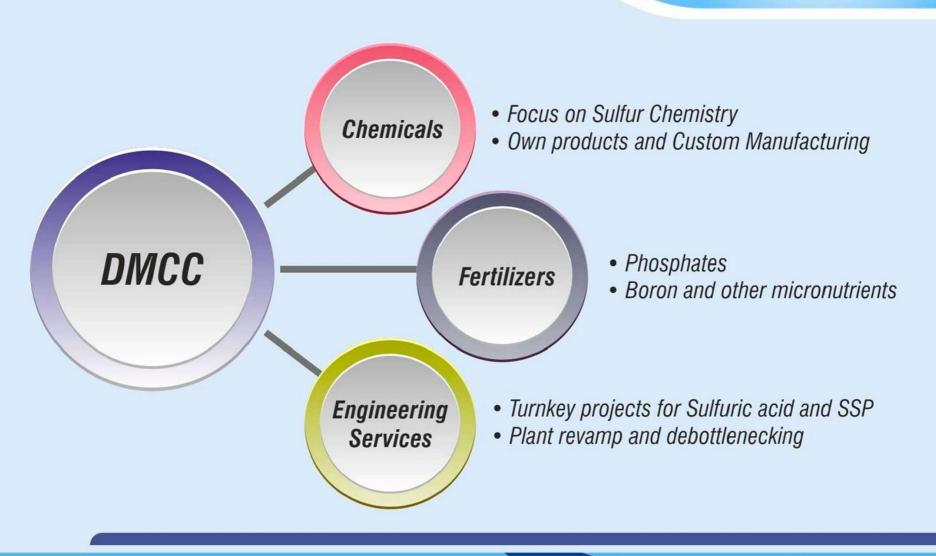
100 Years of Sulphur Chemistry



Overview

- Established in 1919
- Built the first plant of Sulphuric Acid in India Sulphur chemicals remains a focus area
- Expanded into Specialty / Performance Chemicals & Engineering Services
- Strong "SHIP" brand backed by widespread sales, distribution and manufacturing network
- Products are based on processes developed by in-house R&D Division















Manufacturing Facility, Roha















DMCC: A Company with a conscience

Renewable energy provides 25% of total need

Support for NGO's involved in conservation and education.

"Green Cover" at all our factory sites ISO 9001:2015

Responsible Care

TFS





RECOGNITION



RESPONSIBLE CARE PROUD HOLDER OF RESPONSIBLE CARE LOGO VALID UPTO 2022

Responsible care is a voluntary commitment by the global chemical industry to drive continuous improvement and achieve excellence in environmental, health and safety and security performance



TOGETHER FOR SUSTAINABILITY: VALID UPTO 2021.

Together for Sustainability is a joint initiative of chemical companies, founded in 2011. It focuses on the promotion of sustainability practices in the chemical industries.





Core Technology

- Sulfonation
- Chloro Sulfonation
- Friedel-Craft Reaction
- Esterification
- Boron Chemistry
- Methylation

- Ethylation
- Nitration
- Reduction
- Amidation





Selected Product List

PRODUCT	CAS NO.	PRODUCT	CAS NO.	PRODUCT	CAS NO.
■ Benzene Sulphonyl Chloride	98-09-9	Sodium Benzene Sulponate	515-42-4	■ Diethyl Sulphate	64-67-5
Benzenesulphonic Acid 70%, 90%, 99%	98-11-3	Sodium Phenol Sulphonate	1300-51-2	Para Chloro Thiophenol	106-54-7
■ p-Phenol Sulphonic Acid (65%)	98-67-9	■ Diphenyl Sulphone - Paper Polymer Grade	127-63-9	■ Menthyl Lactate	61597-98-6
				■ Thiophenol	108-98-5
Sodium Vinyl Sulphonate 25%, 30%, 35%	3039-83-6	4,4'-DiHydroxy Diphenyl Sulphone	80-09-1	Lasamide	2736-23-4
		■ Sulfuric Acid (All grades), Oleum (23% & 65%), Chlorosulfonic Acid, Sulfuric Anhydride.			





Markets by end-use

- Textile processing
- Emulsions
- Polymers
- Dyes and Pigments
- Pharmaceutical Intermediates
- Electroplating

- Fire Retardants
- Agrochemicals
- Water Treatment
- Fertilizers
- Speciality paper





Markets by geography

- Commodity chemicals: 95% in India
- Specialties: 30% in India; 70% exports
- Markets in over 25 countries including the USA, European union, Japan & China
- REACH registration in the EU through an subsidiary company.





Research & Development Lab at Roha













Multi Purpose Plant Equipment Available

- Glass lined Reactors (5 KL, 3 KL)
- SS 316 Reactors (5KL, 3 KL)
- Centrifuges (SS, Rubber lined)
- Chilling plants, 150 TR, 50 TR, 20TR
- Nutsch Filter
- Vacuum Glass distillation systems
- Flakers, SS 316
- AGNF, SS316L , 2 KL
- Gas Scrubbers

- Grinders
- Rotary dryers, 10 MT/day
- Spray driers, 10 MT/day
- Thermic fluid Boilers
- Steam Boilers





Boron & Specialty Chemicals at Dahej

- Boron business was started by Borax Morarji Ltd in 1963
- Shifted to Dahej in 2013
- The merger of Borax Morarji Ltd. with DMCC has facilitated expansion of the product portfolio with a new location at Dahej in Gujarat
- Plant in operation at Dahej, Gujarat.





DMCC Plant, Dahej, Gujarat







Boron Business Areas

- Electroplating
- Thermal power station
- Detergents
- Electrolytic capacitors
- Ceramic Frit and Tiles Industries
- Steel Industries
- Catalysts
- Hydraulic / Brake fluid

- Micronutrient
- Boronated Fertilizers
- Timber preservatives
- Boronated Fertilizers





Boron Product List

PRODUCT	CAS NO.	PRODUCT	CAS NO.
Boric acid, Technical	10043-35-3	Zinc Borate-2335	12767-90-7
Boric acid, Chemically Pure	10043-35-3	ZIIIC DOTALE-2555	138265-88-0
Boric acid, Special Quality	10043-35-3	Zinc Borate -223	1332-07-06
Borax Pentahydrate	12179-04-3	Cal Plus (40% B ₂ O ₃)	
Borax Decahydrate	1303-96-4		
Disodium Octaborate, Tetrahydrate	12280-03-4	New Boron Products	
Potassium Tetraborate, Tetrahydrate	12045-78-2	Triethylene glycol monomethyl ether, borate	30989-05-0
Ammonium Pentaborate, Tetrahydrate	12046-04-7	Trimethyl Borate	121-43-7





Future Expansion at Dahej

- New Sulfuric acid plant with 300 MT/ day capacity
- New Speciality products in Multi purpose plant
- Expansion of Benzene sulfonyl chloride
- Range of Thio Compounds.
- Sulfones and derivatives for Paper and Polymer Industries.





Exhibition Participation













CERTIFICATES & AWARDS

CERTIFICATE OF MERIT FOR
WATER RESOURCE MANAGEMENT IN CHEMICAL INDUSTRY - 2014

THE DHARAMSI MORARJI CHEMICAL CO. LTD.

The Obaransi Micraili Chemical Co. Ltd. (DMCC), Muntibil, is a public limited company. Its manufacturing unit is booked at MIDC incustrial Estate Disease, Statuse Roba, Data, Ragad, Mahamatrias. The company stated to first plant to manufacture Sufficie. Acid in 1959 and softmat to manufacture of commodity and speciality chemicals Substitute. Add, Ckeum 23%, Oleum 65%, Liquid 50, (trabitated), Chlorosulphonic Add, Specially Chemicals Benzene Sulphonji Chloride, Sodium Vityl Sulphonate, Dighenyi Sulphones, Diethyl Sulphane, Phenol Sulphonic Acid, DMCC is a Responsible

- once, social many automoras, bytemer automore, under suprime, ments automore Acis, unit. a a responsible Committed Company has carried out several measures for inducting water consumption by: Thousas tempowerer, e.g. Bennarie Sulforal Chloride manufacturing process was reviewed and modified to reduce 5 m²/s stag of washi water. Process Modification e.g. Diphenyl Suifones a byproduct of Benzene Suifonyl Chloride) was being washed with 10 MY/day
- wash water. The process was modified to eliminate washing Recyle of Water: In the Sodium Viral Sulfonate process part of the cake wash water (1m² / day) was recycled back in to

- At these efforts have resulted in:

 Within 7 months (SEP, MAR 2014) water consumption has been reduced by 15.85%.
- 30 mV morth wash water recycled in SVS plant.
 Trestment cost saving of Rs.5.33.345 in seven months (SEP MAR 2014) in ETP

■ for 7 months (SD-MAR 2014) cost seeing on incoming water from MOC is Rs.92.506/-in recipition of the above, MCMAN CHEMICAL COUNCIL, is pleased to corre the CERTIFICATE OF MERIT FOR WATER RESOURCE MARKEMENT IN CHEMICAL MOUSTRY for the year 2014 or THE DIMARMSI MORARII CHEMICAL CO. LTD.

Indian Chemical Council

Certificate of Merit for

Efficient Waste Management in 2015

CITATION

The Obsermal Marsail Chemical Co. Ltd. (DMCC) was established in the year 5919 and stande the first plant of Safurick Act in locks. The Company was a primer in the manufacture of Hospitate based Ferlines. The Company has new shifted its boos to Specially intermediate based on Suphra and Chemic DMCC sibart, is located in MDC Industrial Catable Delans, Regard Divort, Adminished The Company introductor News Management in:

This Company introductor News Management in:

Chicosalforated Replaceable 2025.

Albit Safer of Selfowski Acid Selfowski Acid ETP May 2015.

Albit Safer of Selfowski Acid Selfowski Company is the largest manufacture of "Comessaphometer Hydrocateo" in the solot. The Part capacity a 20 TRU, in this monosa is used Wales residue in generated during distallance. Catefair the Company

ICC CERTIFICATE OF

(Category 4: Annual Sales versue below Rs.500 crore) Conferred on

process a solid Weste residue is generated during distillation. Earlier the Company used to treat the residue to recover a co-product. Effuent with a high COD level was sent for

In that the relation to recovery a coproposit, Effective shift a high COO leavil was sent feature transferred. LMOX of in house it of Danis developed on Places of "Controlled Clarable Relater transferred. LMOX of in house it is Danis developed on Places of "Controlled Clarable Relative Rela generated has been tested and approved by customers and is now being sold of

Diss all these efforts here resulted in — (1). Reduction of Efficient (2). Reduction, the Assurations selfs searing (2) Conversion of wasels realised in solves added personal control inspeciment in Overall Yields. In recognition of the above, INDIAN CHEMICAL COUNCIL is pleased to confer the INDIAN CERTIFICATE OF MERIT FOR EFFOCIENT WASTE MANAGEMENT for the year 2015 on THE OHAMAMSH MORRAIT CHEMICAL CO. LTD., Number.



ICC CERTIFICATE OF MERIT FOR EXCELLENCE IN ENERGY CONSERVATION AND MANAGEMENT - 2017

THE DHARAMSI MORARJI CHEMICAL COMPANY LTD.

OROCCI is allowed in substance domains before the substance of the substan incure Sulphoric acid. Oleum-23%, Oleum-65%, stabilized. liquid 503 and Chlorosusphonic acid. The specially chemicals include between, and huge variety of sulphur based chemicals and derivatives.

DMCC is a Responsible Care committed company and also allowed to use the RC Logo by ICC.

based ZLD system and new waste heat recovery system in sulphunc acid plant were all designed and executed to attain maximum energy efficiencies.

Limitude is Responsible Care committed company and bin advantage of the All Care (in the Care (i



Certificate of Merit for Energy Conservation & Management 2017

Certificate of Merit for Water Resource Management in 2014





Chemexcil Award









Funded & Supported By



Dharamsi Morarji Chemicals Co. Ltd

Concept & Implementation By





























The Company/ Management stands committed for the Corporate Social Responsibility (CSR activity). The Board of Directors of the Company has constituted – Corporate Social Responsibility Committee.

The Company is incurring expenditure in the following areas.

Education / E-learning

The Company is Sponsoring and supporting e-learning in the Schools and Educational Institutions. This is done through supply of computers, Projectors and allied equipment's. Company is providing the Text Books to Students in primary School as per need based required during the year.

Donations

The Company gives financial support/donations to various Institutions in and around the areas of its operations.

Sports Activity

The company sponsors sport events during the year as a part of its commitment to develop Sports Activity. The Company also organizes Sports Events / Competitions and matches by and between the employees of the Company.

Social Events

The Company also organizes social events and festivals such as Republic Day Celebrations , Independence Day Celebrations, Ganesh Puja etc.

















Environment day Celebration at Roha Factory























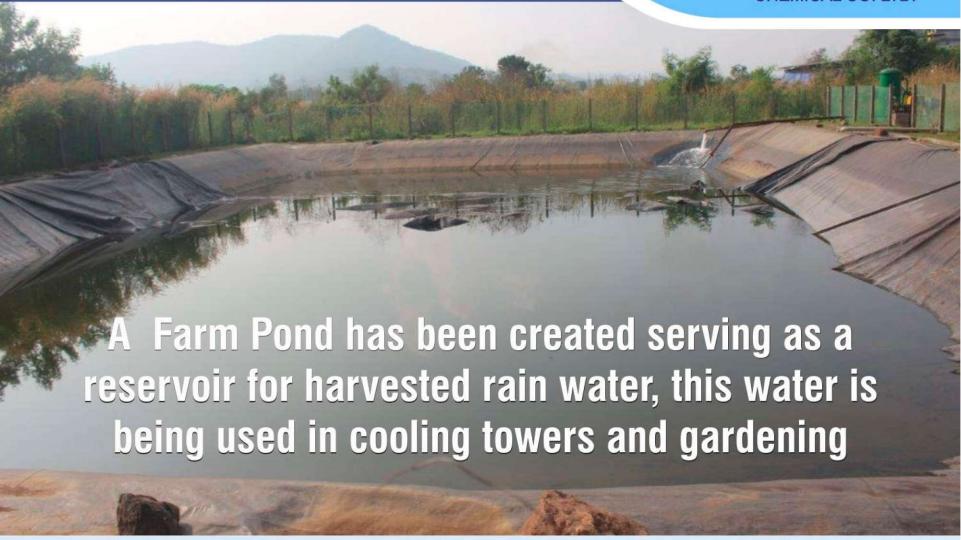




Solar Panel Installation at Roha Plant - Reduction of CO₂ footprint through solar power generation













Zero Liquid Discharge









Sewage Treatment Plant



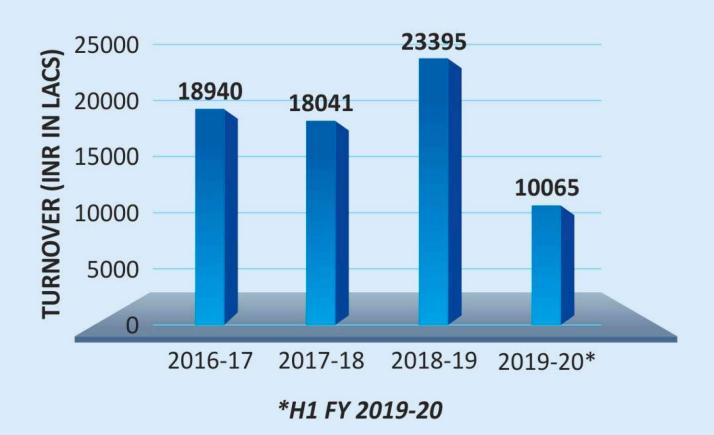


EINANCIAL HIGHLIGH Financial Highlights





TURNOVER







EBITDA



*H1 FY 2019-20





PROFIT BEFORE TAX



*H1 FY 2019-20





NET WORTH

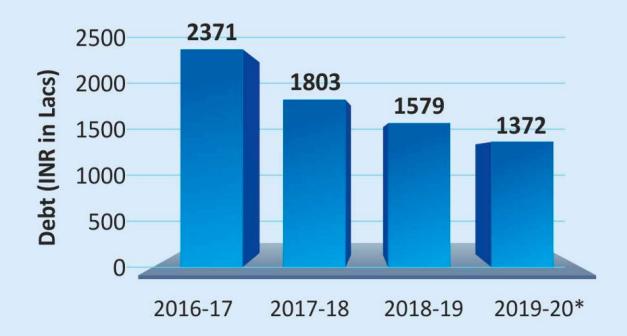


*H1 FY 2019-20





TOTAL DEBT



*H1 FY 2019-20





DEBT SERVICE COVERAGE RATIO







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