

Nutris Project Engineers & Consultants

305, Commodity Exchange Bldg., OPP. Mathadi Bhavan, Sect – 19, APMC, Vashi, Navi Mumbai
Plot No.100, Sector-12, Vashi, Navi Mumbai-400 705 Tel - + 91 (0) 22 27841817

Mob:: + 91 (0) 9322722700 Tele/Fax - + 91 (0) 22 27897991 Email: npec@rediffmail.com

A PROFILE

MR. VISHNU D. BARHATE (CEO)

Date Of Birth: 16th March 1952

1.0 SPECIALIZATION STRENGTH

- Design, planning, erection & commissioning of Agro Food Industries -
 - Post Harvest Technology Centers including Precooling, Ripening, Cold storages, Grading & Packing Lines etc
 - Development of Cold Chain for the Horticulture Produce including fresh fruits & vegetables.
 - Post Harvest Technology Centers for Treatment & Post Harvest Operations for fresh fruits & vegetables.
 - Modern Food Processing Centers including ice cream, dairy, frozen fruits & vegetables, ready to eat frozen food products etc
 - Dairy Farms, Cattle Breeding Farms, Artificial insemination centers with embryo transfer technology, Cattle Feed Plants.
 - Commercial Cold stores, Refrigeration and Air Conditioning systems.
- Innovation of dairy/food products and their manufacturing processes.
- Preventive maintenance techniques and their successful execution.
- Trouble shooting, advising solution to specific problems and their execution.
- Energy audit / conservation in Food industry and its result oriented execution.

2.0 PROFESSIONAL TRAINING

- a) 2000 - Training at **University of California, Davis, USA** for **Post Harvest Technology** for fresh fruits & vegetables.
- b) 1994 - In-plant training at 3 Dairies in Germany & Agriculture University, Holland for Post Harvest Technology operations in green houses.
- c) 1985 - Visit to Dairy & Food Expo, Atlanta and various Horticultural Farms in US to study the post harvest operations for horticulture produce and ice cream plants.
- d) 1976 - In-plant training at comp. milk plant, Ludhiana and visit to horticulture dept & farms of Punjab Agriculture University, a a part of training from IIT, Kharagpur.
- e) 1973 - Training for Tractor repairs & complete overhaul at T.T.C., Hissar.

3.0 EDUCATIONAL QUALIFICATIONS

Name of Institute	Year of Passing	Degree	Class/Rank
1. Indian Institute of Technology, Kharagpur. (Agriculture Department)	1977	M. Tech (Dairy & Food Engg.)	I
2. Punjabrao Krishi Vidyapeeth, Akola	1975	BE (Agri. Engg.)	I (Gold Medallist)
3. Punjabrao Krishi Vidyapeeth, Akola	1972	B Sc (Agriculture)	I

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4.0 PROFESSIONAL OVERSEAS VISITS

- a) 2009 - China for finalization of machineries for ice cream plant in India for Vadilal Group and visit to some private apple & other horticulture produce farms.
- b) 2007 - Malaysia visit to Poultry Processing Plant and to discuss & finalize machinery.
- c) 2004 - Royal Dairy Products Ltd., Dar Es Salaam, Tanzania for modernization & revival of dairy, ice cream & fruit drinks operations.
- d) 2000 - Visit to University of California, Davis Campus for training of Post Harvest Technology Operations for fresh fruits & vegetables. I have taken this training under direct guidance of Dr. Adel Kader, who is called the Father of Post Harvest Technology. He has the best laboratory & R & D facilities for post harvest activities for fresh fruits & vegetables in the World. I have visited some horticulture produce farms i.e. Apples, Grapes, Tomato & other vegetables. Also processing plants including tomato pure making plant processing about 5000kgs per hour.
- e) 1999 - Israel for Agritech 99 to study advanced agricultural practices, post harvest technology operations, drip irrigation systems, horticultural crop production in green houses, tissue culture, dairy farms etc.
- f) 1995 - New Zealand, Australia & Singapore for Inspection & finalizing order for dairy equipments and visit to various horticulture farms & dairy farms.
- g) 1994 - Germany & Switzerland for finalizing order & later for inspection of various equipments for integrated dairy projects of 3 lac litres per day at Sinnar, Nashik.
- h) 1993 - Europe including Denmark, Netherland, Germany, Austria, Switzerland & UK etc for identification & selection of equipments for post technology operations and others including dairy machineries.
- i) 1992 - Singapore for trade fair of agriculture, horticulture produce and dairy & ice cream equipment suppliers in Asia.
- j) 1985 - Dairy & Food Expo., Atlanta & visit to various horticulture farms and ice cream plants in USA.

5.0 PUBLICATION & OTHERS

- Published Article in “Journal of Food Technology” Blackwell Scientific Publication, London with title “effect of Concentrations & Vacua on boiling points of fruit juices”.
- As a guide for M. Tech student of IIT Kharagpur for his thesis with the title “To study temperature profile in ice cream during commercial hardening”.
- Publication under way for various books in the fields of Agriculture, Post harvest technology , Agricultural Engg., Dairy processing & It’s Engineering,— a must for fresh fruits & Vegetables.

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LIST OF MAJOR PROJECTS DESIGNED, PLANNED AND EXECUTED

Sr. No.	Year	Name of the Client / Organization	Particulars of Project	Total Cost, Rs. Lacs
A	PROJECTS FOR POST HARVEST TECHNOLOGY CENTERS FOR HORTICULTURE PRODUCE			
1	2008 – 09	Sheetal Cold store, Pawne, Navi Mumbai (5000 MT cold store commissioned, and 2000 MT palletized cold store under execution)	Design planning & execution of most modern post harvest technology center with state of the art facilities for precooling, ripening, grading & packing in and cold storages of maximum 7000 MT at Pawne with fully automatic PLC based ammonia plant. This also includes the latest pallet handling & cold storages facility of 2000 MT (under execution)	1500=00
2	2008 – 09	Gujarat Agro Industries Corp. Ltd., Ahmedabad (Under execution)	Establishment of cold chain including precooling, grading hall & cold stores in 5 districts of Gujarat i.e. Vadodara, Bharuch, Narmada, Valsad & Navsari at 5 locations (one in each district)	500.00
3	2008 – 09	Maharashtra State Agril. Marketing Board, Pune (Completed)	Banana Pack house including precooling, ripening, cold stores & treatment facilities at Savda in Maharashtra	450.00
4	2008 – 09	Maharashtra State Agril. Marketing Board, Pune (Completed)	Banana Pack house including precooling, ripening, cold stores & treatment facilities at Savda in Maharashtra.	450.00
5	2008 – 09	APMC, Rajpipla, Gujarat, Phase I & II (Phase I completed & Phase II started)	Banana Pack House including precooling, ripening , cold stores & grading hall for Banana, Mango & vegetables for Exports at Rajpipla, Gujarat	450.00
6	2007 – 08	Gujarat Agro Industries Corp. Ltd (Under final stage of execution)	Center for Perishable Cago goods for Fresh Fruits & Vegetables at Sardar Vallabhbhai Patel International Airport, Ahmedabad.	641.00
7	2007 – 08	Gujarat Agro Industries Corp. Ltd (Under final stage of execution)	Banana Pack House at Bharuch including collection & treatment centers at Achhalia, Bharuch, Gujarat	830.00
8	2006 – 07	Chand Fruit Co, Miraj	Design, planning & Execution of Most Modern Pack House for fresh fruits & vegetables at Miraj, Maharashtra.	800=00

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9	2005 – 06	Sachi Exports (India), Bhandup, Mumbai	Design, planning & execution of pack house for fresh Fruits & Vegetables for Exports at Dharampur, Gujarat	200=00
10	2005 – 06	IG Humifresh cold storage, Chandigarh	Modernization of existing cold store for storage of fresh apples at Dakoli, Punjab	250=00
11	2003 – 04	Supreme Cold Store, Pawne, Navi Mumbai	New 4000 MT Cold Stores Complex for Fresh fruits & vegetables at Pawne	400=00
12	2003 – 04	Sheetal Cold Storage, Pawne, Navi Mumbai	Expansion of existing cold stores from 4000 MT to 6500 MT for fresh fruits at Pawne, Navi Mumbai	350=00
13	2003 – 04	Desai Cold storage Pvt. Ltd. Jhagadia, Gujarat	Design, planning & installation of precooling & ripening facilities for Banana	150=00
14	2002 – 03	Maharashtra State Agricultural Marketing Board, Pune, Govt. of M. S.	Design, Planning & Installation of modern post harvest technology center for Mango i.e. pack house including pre cooling, ripening, cold stores, & Imported grading packing line for Mango at Ratnagiri as well as Deogarh, Maharashtra	450=00
15	2000 – 01	Desai Cold Storage Pvt. Ltd. Navsari	First Modern Post Harvest Technology Center for Fresh Fruits & Vegetables including Pre cooling , Ripening & Cold Stores established after taking training at U C, Davis, USA.	350=00
16	2000 – 01	Sheetal Cold Storage, Pawne, Navi Mumbai	New Modern 4000 MT cold store complex for fresh fruits & vegetables including bulk precooling of mango for exports at Pawne, Navi Mumbai	400=00
17	1999 – 00	Finns Frozen Food Ind Ltd., , MIDC Sinner, Nashik	Establishment of Mango ripening Chambers and Modernization & Energy Audit of the existing plant as well as Expansion	250=00
18	1999 – 00	Shriram Ice & Cold Store, Vashi, Navi Mumbai	Modernization of existing cold stores for fresh fruits, dry fruits & other horticultural produce at Vashi	50=00
19	1998 – 99	Tedco Cold Store, Rabale, Navi Mumbai	3,000 MT Cold Stores for Fresh Fruits & Vegetables	250=00
20	1998 – 99	Vadilal Industries Ltd, Vadilal Group, Ahmedabad / Mumbai	Post Harvest Treatment & Handling Facilities for Grapes, Mango & other fruits &	500=00

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			vegetables at Dharampur, Gujarat.	
21	1997-98	C.J.Jain Food Proce & Cold Storage Pvt. Ltd., Navi Mumbai	First Post Harvest Technology Center including 1 precooling chamber, 3 ripening chambers and 10 cold stores for storing fresh fruits & other horticultural produce. Total Capacity - 2500 MT	200=00
B	PROJECTS FOR DAIRY, ICECREAM & OTHER FOOD INDUSTRIES			
1	2010 – 11	Vadilal Industries Ltd Ahmedabad	Design, planning & execution of modernization cum expansion of ice cream plant at Pundhra, Gujarat.	5000=00
2	2008 – 09	Vadilal Industries Ltd Ahmedabad	Design, planning & execution of modernization cum expansion of ice cream plant at Bareilly, UP	1200=00
3	2008 – 09	Vadilal Industries Ltd Ahmedabad	Design, planning & execution of modernization cum expansion of ice cream plant at Pundhra, Gujarat	3500=00
4	2007 – 08	Vadilal Industries Ltd Ahmedabad	Design planning & execution of expansion of ice cream plant at Bareilly, U P	900=00
5	2007 – 08	Vadilal Industries Ltd Ahmedabad	Design planning & execution of 2500 MT frozen cold stores & expansion at Dharampur.	1000=00
6	2005 - 07	Late Madanlal Kisanlalji Sancheti Seva Samiti, Malkapur	Design, planning & execution of an integrated dairy project with milk processing, cattle feed plant, chilling plants, vet. & farmers' training centre at Malkapur (M S)	2,500=00
7	2004 – 05	Royal Food Stuffs, Vashi / Karad	Expansion of Existing Frozen Fruits & Vegetables Plant at Karad	250=00
8	2004 – 04	Royal Food Stuffs, Vashi / Karad	Design, planning & Execution of Frozen Fruits & Vegetables Plant at Karad	250=00
9	2003 – 04	Royal Dairy Products Ltd, Dar E Salam, Tanzania	Modernization, expansion & energy audit of dairy and ice cream plant at Dar E Salam	170=00
10	2000 – 01	Vijeraj Dairy Industries Ltd., Hubli	Design, Planning & Installation of modern ice cream plant at Hubli, Karnataka	150=00
11		Finns Frozen Food Ind	Modernization & Energy Audit	250=00

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	1997 – 98	Ltd., , MIDC Sinner, Nashik	of the existing frozen fruits & vegetables plant as well as Expansion, at Sinner	
12	1997 – 98	Vadilal Industries Ltd, Vadilal Group, Ahmedabad / Mumbai	Design, planning & installation of Modern Frozen Fruits & Vegetables Plant at Dharampur, Valsad, Gujarat	2,000=00
13	1995 – 96	Vadilal Industries Ltd, GROUP, Ahmedabad	Modern Dairy of 3 Lacs Litres per day at sinner, Nashik	2,500=00
14	1983 – 95	Vadilal Industries Ltd, Vadilal Group, Ahmedabad / Mumbai	Modernization, development of machines, expansion and new and their energy audits, at A'bad and Mumbai	3,000=00
15	1980 – 83	National Dairy Development Board, Anand	Design, erection & maintence of indogeneous milk products dairy called SUGAM, Vadodara	200=00
16	1977 – 83	National Dairy Development Board, Anand	Design, planning & supervision of Horticulture Farms, Dairy Farms,C Feed Plants, Cattle Breeding Farms, Milk Chilling Centers for Operation Flood I	50,000=00
C	OTHER MISCELLANEOUS PROJECTS			
1	1996	Frisland Dairy Ltd, Netherland	Market Survey for Dairy Products in India	10=00
2	1997	Euro Ice creams Ltd, London	Development of ice cream & packing and process for novelties at Birmingham, London	50=00
3	2004	Sharad Agro Processors Ltd, Mumbai	Inspection & survey of existing pre cooling, ripening chambers & cold stores in Western Maharashtra	150=00