

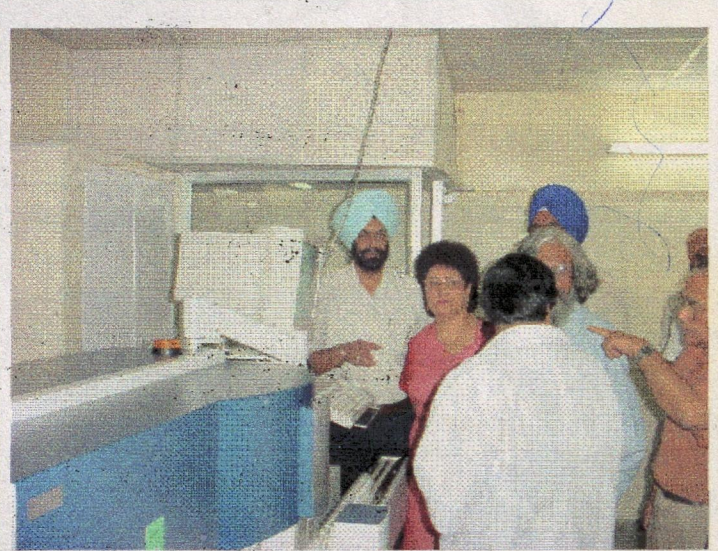



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Inauguration of Punjab MILKFED Project by Shri Y.S Rajan, ED, TIFAC on 3/10/2002.

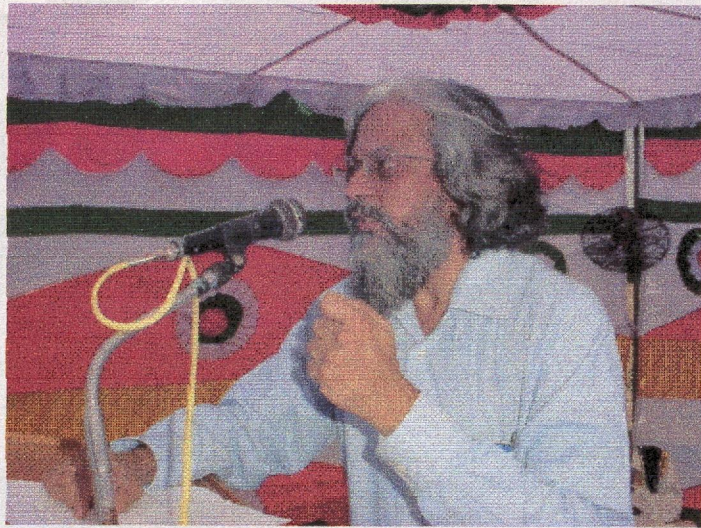


**MILKFED**  
**MILKFED PUNJAB MILK UNION**  
**LUDHIANA**  
BACTOSCAN & SOMATIC CELL COUNTER ROOM  
PLANNED BY:    
TEGNOLOGY INFORMATION FORECASTING &  
ASSESSMENT COUNCIL  
DEPARTMENT OF SCIENCE & TEGNOLOGY,  
GOVT. OF INDIA



**IQBAL SINGH**   
**MODEL DAIRY FARM**  
UNDER TECHNOLOGY VISION 'MILK 2020'  
BY  
TIFAC DEPTT. & SCIENCE &  
TEGNOLOGY, GOVT. OF INDIA  
ਇਕਬਾਲ  
ਸਿੰਘਾਂ ਵੀਰ  
ਕੁਲਰ  
ਡੇਮਰੀ  
ਫਾਰਮ  
ਜੰਡੀ







## Technology Vision 2020: Mission Mode Projects on Agro Food Processing Sector

### “Milk a Success story with Technology and Rural People for Developed India”

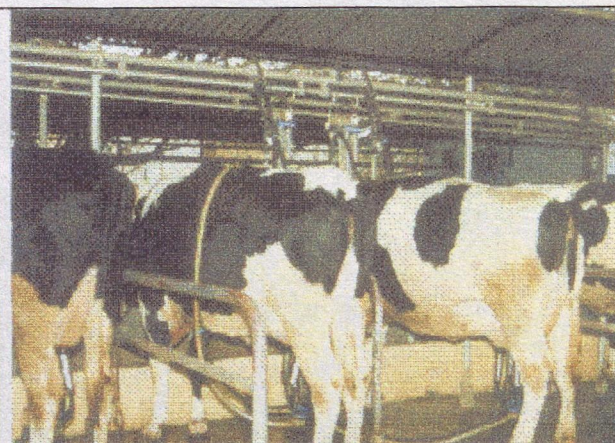
Dairy is one of the important sector for rural India. In many cases land less farmers have average 2-3 cattle, which support their livelihood. We Indian may feel proud of being the largest producer of milk in the world (81 MMT). Dairy development in India has been acknowledged the world over as one of the modern India's most successful program. While world milk productio declined by 2% in the last 3 years according to FAO estimates, Indian production increased by 4%. However, the poor quality and low productivity per cattle are areas of concern. It is with this background TIFAC undertook Dairy sector for improvement in yield and quality of milk through better farm management practices. In punjab, the project was commissioned with MILKFED Punjab and Ludhiana Milk Union where the farmers were provided with automatic milking machines, hygiene kits, generator sets, training etc. Besides that bulk milk coolers were provided at society level and Bactoscan at the Milk Plant. Bactoscan is an equipment which gives instant bacterial count in raw milk. Similar kind of projects are under implementation in Andhra Pradesh, Karnataka, Madhya Pradesh with the state Co-operative Federation/ District Milk Union.

### Punjab MILKFED Project demonstrate

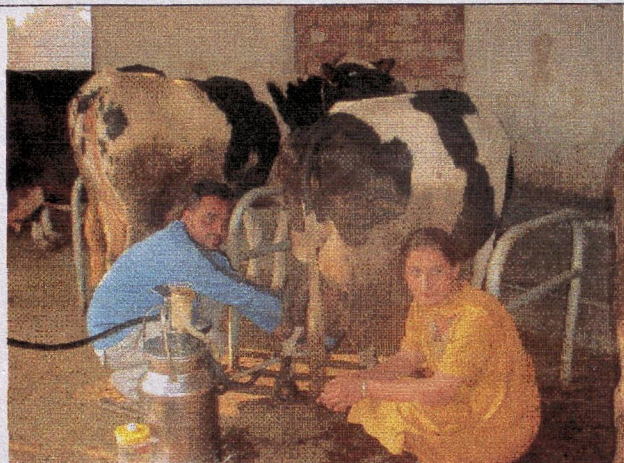
“Improvement in Milk Quality and Yield through better Milk Farm Management in Punjab”

#### The Objective of the project is as under

- To increase milk yield / productivity through introduction of mechanized milking system, improved feeding system.
- To improve milk quality through introduction of bulk coolers, bacto-scan, adoption of better farm management practices.
- Training of farmers & extension workers for wider application / repetition



Pipe Line Milking System



BACTOSCAN EQUIPMENT

The project is implemented in the different villages of Ludhiana district of Punjab.

#### Total number of Model Farms under this project:

50 Animal - 1  
30 Animal - 1  
15 Animal - 26

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Total - 28

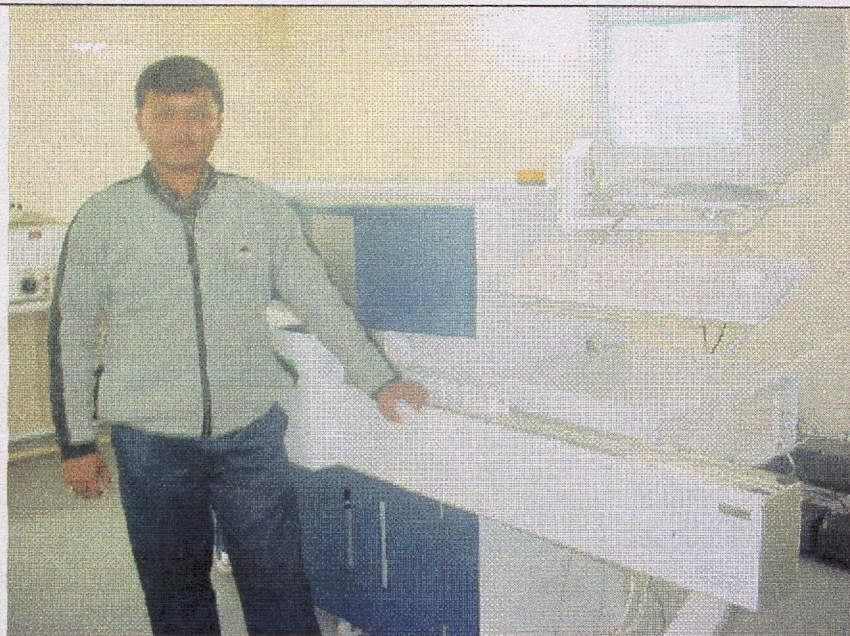
Total number of village covered : 160  
Total number of farmers benefited : 600

### Achievements

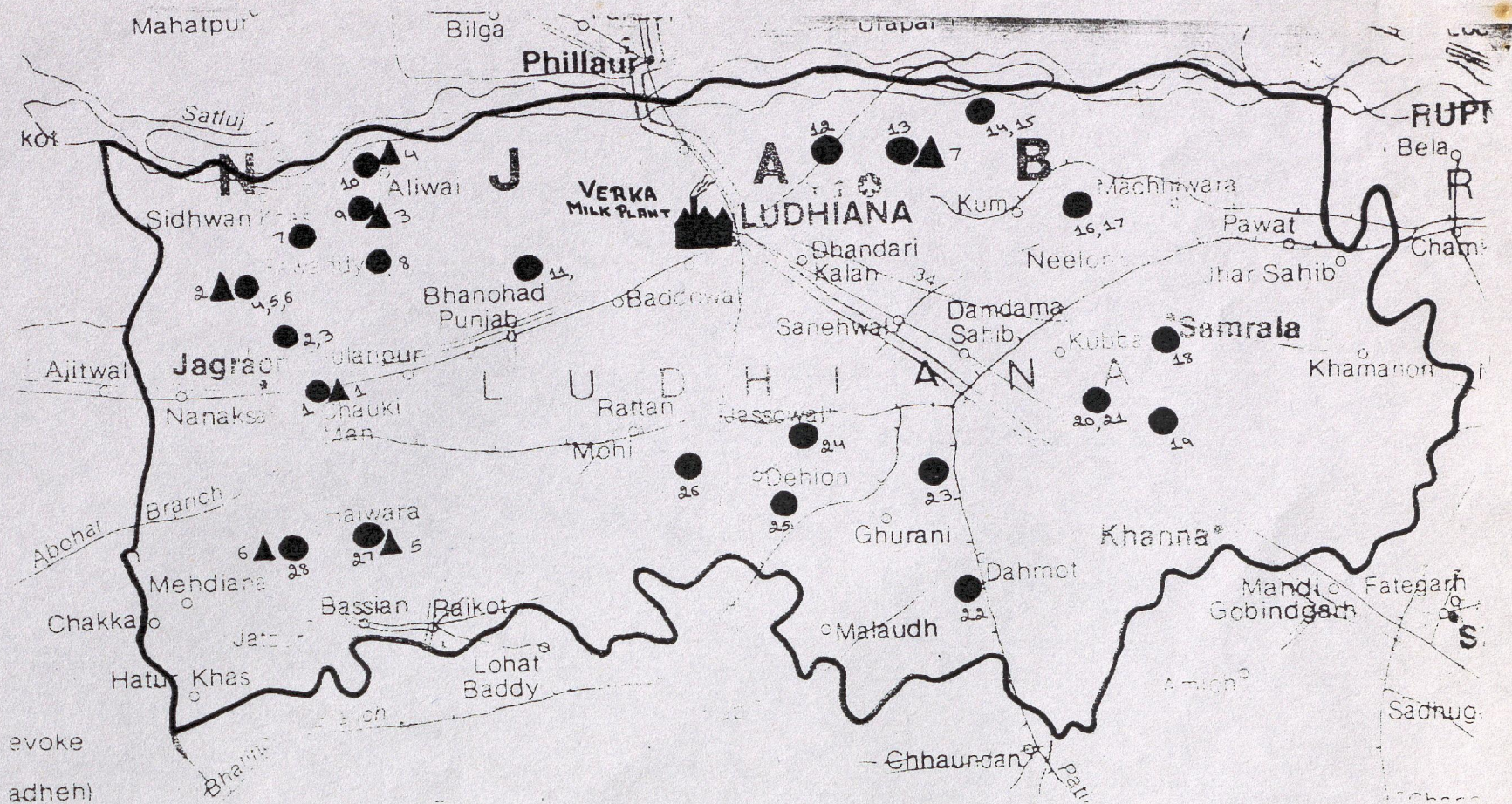
- Successfully commissioned Bactoscan – 1st time in India. It gives instant bacterial count of raw milk.
- Milking machines along with bulk coolers installed and developed clean milk route.
- Milk yield improved 15% & hygiene practices reduces the bacterial count far below the world standard.
- Spreading rapidly to other parts of India.



Bulk Milk Coolers at Village Dairy Cooperative Society



Bactoscan Installed at the Quality Assurance Laboratory, Milk Plant, Ludhiana.



S.No.	NAME	VILLAGE	Herd Size(B+C)	MMC
01	Master Piara Singh	Chaukiman	50+15	Model Farm-FBP
02	S. Narinder Pal Singh	Chimne	0+16	IM-2D
03	S. Mohan Singh	Chimne	15+0	IM-2D
04	S. Iqbal Singh	Jandi	5+20	Model Farm-IM-2
05	S. Ajmer Singh	Jandi	5+13	IM-2D
06	S. Gurjeet Singh	Jandi	8+15	IM-2D
07	S. Gurdev Singh	Sangatpura	2+16	IM-2D
08	S. Manjeet Singh	Swaddy	8+15	IM-2D
09	S. Manjeet Singh	Bharowal	15+15	IM-2D
10	S. Jagtar Singh	Curahoor	8+16	IM-2D
11	Ms. Parmjeet Kaur	Bains	15+0	IM-2D
12	S. Sarbjeet Singh	Khawajke	4+24	IM-2D
13	S. Karamjeet Singh	Khasi Kalan	55+15	Model Farm-IM-4
14	S. Hajinder Pal Singh	Bora	6+12	IM-2D
15	S. Sadhu Singh	Bora	5+11	IM-2D
16	S. Bhagwan Singh	Havatpura	10+20	IM-2D

S.No.	NAME	VILLAGE	Herd Size(B+C)	MMC
17	S. Navtej Singh	Hayatpura	12+20	IM-2D
18	S. Kuldeep Singh	Shamgarh	15+0	IM-2D
19	S. Ranjeet Singh	Diwala	15+4	IM-2D
20	S. Harminder Singh	Balala	15+0	IM-2D
21	S. Rajinder Singh	Balala	15+5	IM-2D
22	S. Kuldeep Singh	Julumgarh	15+16	IM-2D
23	S. Mehar Singh	Gidri	13+5	IM-2D
24	S. Nirbhai Singh	Jarkhar	55+16	IM-2D
25	S. Mohinder Singh	Butari	30+0	IM-2D
26	S. Rajinder Singh	Kila Raipur	15+5	IM-2D
27	S. Darshan Singh	Burj Littan	35+6	IM-2D
28	S. Raghbeer Singh	Rajoana Khurd	25+5	IM-2D

Facilities provided at the sites: Shed Modifications, Macro Drinking Bowls, Partitions and Training given regarding Feeding Practices.

S.No.	NAME	VILLAGE	BMC	Remarks
01	Master Piara Singh	Chaukiman	1000 LPD	Model Farm
02	MPCS - Jandi	Jandi	1000 LPD	MPCS
03	MPCS - Bharowal	Bharowal	1000 LPD	MPCS
04	S. Jagtar Singh	Gurahoor	300 LPD	MPCS
05	MPCS - Burj Littan	Burj Littan	1000 LPD	MPCS
06	MPCS RajoanaKhurd	Rajoana Khurd	1000 LPD	MPCS
07	S. Karamjeet Singh	Khasi Kalan	500 LPD	Model Farm

1. Teaching - Colleges      quality improvement      Central.  
 2. Research - Courses of Advanced Studies      B.Tech, <sup>Home Tech,</sup> H.R. Dev. & Mgt. Tech.      Min. electrified.  
 3. Ext. libraries -      Electrical Engg.      - show we need research input

Capex Construction  
 Establishment of Deptts of Advanced Studies -      Survey Team.

- 3
- i. Security
  - ii. Infrastructure
  - iii. Skilled manpower
  - iv. Demoralisation
  - v. Social justice

Teaching Programme:      B.Tech / M.Tech.

- i) How to start      Physical Facilities
- ii) Staff requirements -      capitalisation / protection      Regular Staff
- iii) Library -      Documentation Centre      Voluntary Library

Marketing: educational services/products (graduates)

Efficient utilization of resources - networking, no duplication  
 fee structure

Academic (post graduate programme)      1.7.15

Board of Studies / Workshops