

DAIRY DEVELOPMENT DEPARTMENT POLICY NOTE 2011-12

"As we all know that Animal Husbandry generates a regular stream of supplementary income to farmers, this Government will place special emphasis on the Animal Husbandry Sector. We propose to achieve the objective of increased production of milk by creating a Second White Revolution. "

-Tamil Nadu Government's Budget Speech 2011

1. INTRODUCTION

To fulfill the above stated perspective plan of the Government and to protect the interest of the poor people, the Dairy Development Department is going to give a fresh vigour to various schemes implemented by it across the State. The ultimate aim will be to usher in a second white revolution as envisaged by the Government.

Milk is considered to be one of the excellent foods for the people. It is the important source of first class proteins. It is an essential food for the new born babies. Traditionally, Dairying and pasturing activity was done according to the domestic requirement. Due to urbanization, the demand for milk in urban area has increased. This

necessitated procuring, processing and distribution of milk in scientific manner. This resulted in organized dairying activities for service to the society as well as improving rural economy.

2. AIM OF THE DEPARTMENT

The aim of the Department is:

1. To bring the un-organized dairy sector into organized sector in a phased manner.
2. To monitor, supervise and regulate dairy activities.
3. To improve input activities and animal health care for increasing milk production.
4. To work towards remunerative price to the milk producers.
5. To encourage liquid milk availability and supply of clean processed milk following hygienic and food safety measures to the consumers at reasonable price.
6. To ensure quality of milk and milk products as per the statutory specifications.

2.1 Strategies adopted to achieve objectives

The following strategies will be adopted to achieve the objectives:

1. Provision of Animal breeding, veterinary healthcare, Up-gradation of milch animals, supply of feed, cultivation of fodder and insurance cover to animals owned by the milk producers in Co-operative sector.
2. Ensuring clean milk production with quality testing at village level
3. Modernization of Co-operative Dairy infrastructure to enable supply of clean and hygienic milk and milk products to consumers and ensuring of food safety in Dairy Sector.
4. Implementation of State Plans, Central Government Schemes, Centre-State shared Schemes and all sponsored Schemes for the growth of Dairy Sector.
5. Development of E-governance to promote transparency.

3. PROFILE OF DAIRY DEVELOPMENT DEPARTMENT

3.1. Organization structure

The Dairying in Tamil Nadu has grown appreciably since the Dairy Development Department was established in 1958. The administrative and statutory control of all the dairy

cooperatives in the State was transferred to this department on 01.08.1965. The Commissioner for Milk Production and Dairy Development is the Head of the Department and also officiates as the Functional Registrar of Dairy Co-operatives, State Registering Authority and also functions as the Managing Director of the Tamil Nadu Co-operative Milk Producers' Federation Limited.

The Commissioner exercises statutory functions such as registration of new societies, revival of dormant societies, inspection of societies, settlement of disputes, conduct of election to the boards of management, constitution of boards, issue of direction to societies in the interest of public etc. under the relevant provisions of the Tamil Nadu Co-operative Societies Act, 1983 and Tamil Nadu Co-operative Societies Rules, 1988.

The Commissioner for Milk Production and Dairy Development is assisted by Deputy Milk Commissioner (Co-operation) and 24 Deputy Registrars (Dairying) at the regional level for discharging the statutory and administrative functions.

3.2. Primary Milk Co operative Societies

In Tamil Nadu, there are 8,770 Milk Producers' Cooperative Societies including 1,483

Milk Producers' Women Cooperatives. For the benefit of the milk consumers, 62 Milk Consumer Co-operative societies are functioning in the State. Member Producers of Milk Producer's Cooperative Societies are paid dividend in share capital, patronage rebate and bonus when the society earns profit.

3.3. District Co-operative Milk Producers' Union Limited

Primary milk co-operatives are affiliated to the District Unions. Totally, 17 District Co-operative Milk Producers' Unions are functioning in Tamil Nadu. The District Collectors of the districts where the Union is located are the Special Officers of the Unions.

The Unions procure milk from Primary Societies and promote clean milk production, quality based milk cost payment, supply of input services, animal health coverage, supply of feed and fodder, implementation of State and Central Government schemes at District level, conversion of surplus milk into skim milk powder and milk products, marketing of liquid milk and milk products locally and through metro dairies.

3.4. Apex body of Milk Cooperatives.

The Apex body of 17 District Co-operative Milk Producers' Unions is Tamil Nadu Co-operative Milk Producers' Federation Limited, Chennai which was established on 1st February of 1981. The brand name of Dairy Cooperative is '**aavin**'. The Federation has 4 Dairy Units in Chennai which collect milk from District Unions, process and pack in sachets and send for sale to consumers in and around Chennai City. Sale of liquid milk in Chennai and Districts has increased steadily. Milk products of aavin and Dairy Cooperatives are popular among the consumers in Tamil Nadu. Ambattur Product Dairy is manufacturing milk products.

3.5. Quality Control Lab

To ensure supply of quality milk to consumers, a well established Quality Control Laboratory is functioning under the direct control of Commissioner for Milk Production and Dairy Development at Madhavaram, Chennai. The Dairy Officer and Assistant Dairy Officer are authorized to collect samples of Milk and Milk Products. Samples of Milk and Milk Products are tested in the laboratory to ensure supply of quality milk and milk products to consumers.

4. MEASURES TO ENCOURAGE MILK PRODUCTION

The Tamil Nadu Government have planned the following measures to enhance the milk production in the State, especially in the cooperative sector:

1. Organizing to revive 1,500 Primary Cooperative Societies of which already 999 societies have been registered/ revived.
2. Ensuring production and supply of Mineral Mixture to milk producers from the Plants located each at Erode, Tiruchirapally, Villupuram and Tirunelveli District Cooperative Milk Producers' Unions .
3. Providing quality Artificial Insemination services by producing around 21.00 lakh frozen semen straws at Nucleus Jersey and Stud Farm at Udthagamandalam, which has received ISO Certificate.
4. Distributing during 2011-12, a sum of Rs.16.37 crore, to members of MPCS as patronage rebate, dividend and bonus.
5. Installing 10 more Bulk Milk Coolers with the financial assistance of State Government.
6. Setting apart a minimum of 2.50 paise for animal health care, out of every 10 paise deducted from every litre of milk procured

by the District Unions from milk producers towards administrative cost.

5. SERVICE TO MILK CONSUMERS

The brand name of "aavin" of Tamil Nadu Milk Co-operatives symbolize quality milk products.

Quality Control Laboratories have been established at Trichy and Salem at a financial outlay of Rs.40.00 lakhs.

As part of quality policy, all metro dairies have obtained International Organization for Standardization (ISO) and Hazard Analysis and Critical Control Point (HACCP) Certificates. Hazard Analysis and Critical Control Point (HACCP) is a quality system which ensures food safety and quality in Milk and Milk Products sold by **aavin**.

Metro Dairies have obtained ISO:14001 certification for compliance of environmental management system.

A Toll free No.18004253300 has been provided to contact the consumer cell of the Federation at Nandanam functioning round the clock to lodge grievances. Steps are taken to redress the Consumer grievances immediately. 165 Milk Parlours are functioning in the metro to cater the needs of the consumers.

6. BENEFITS EXTENDED TO EMPLOYEES

1. Bonus and ex-gratia are distributed to the employees of the Federation and Unions.
2. Deepavali and Pongal Gift packets containing milk products are distributed to employees of the Dairy Co-operatives.
3. Productivity linked incentives are disbursed to the Dairy Co-operative Employees.

7. STATE SCHEMES

7.1 Financial Assistance to aavin for Milk Cost Payment to Producers:

The Federation and the District Unions incurred an additional expenditure of Rs.16.55 crore per month due to increase in the procurement price of cow milk by Rs.2.46 per litre and buffalo milk by Rs.3.00 per litre from 5.1.2011 & 16.2.2011 onwards. For the payment of milk dues to the milk producers without any pendency Hon'ble Chief Minister has ordered to compensate the payment of milk dues to the milk producers by Federation and Unions vide G.O.No.66 Animal Husbandry, Dairying and Fisheries (M.P-I) Department, Dated 7.7.2011 and sanctioned a sum of Rs.49.65 crore as Ways and Means Advance towards the additional expenditure incurred by the

Federation and the District Unions due to increase in the procurement price of milk.

Further the Hon'ble Chief Minister has ordered to sanction a sum of Rs.16.55 crore every month as Ways and Means Advance to the Federation and the District Unions for the payment of milk dues to the milk producers without any pendency.

7.2 Dairy and Milk Powder Plant.

The Hon'ble Chief Minister made an announcement in 2004 to establish a Dairy cum Powder Plant with a capacity of 2 lakh litres milk per day (llpd) and 20 MTs milk powder per day at Ammapalayam, Tiruvannamalai District. The Government accorded administrative sanction for establishment of a Dairy cum Powder Plant with handling capacity of 2 lakh litres of milk per day and 20 metric tonnes producing capacity of milk powder in a phased manner with NABARD assistance at Thiruvannamalai District. The project cost is Rs.60.18 crore (NABARD loan Rs.56.93 crore and State Government share Rs.3.25 crore) inclusive of land, construction of building and purchase of equipments. Government have released Rs.25.03 crore to Federation and a sum of Rs.18.97 crore has been released from Federation

to National Dairy Development Board (NDDB) to implement this Project on turnkey basis. The civil works have been started during January 2011 and the works are under progress. The tenders for Dairy equipments, Service equipments, and powder plant are being finalized and orders are likely to be released by the end of September 2011. The Project is expected to be completed by July 2013.

7.3 Proposed Part- II Schemes 2011-12

It is proposed to implement the following schemes at a total cost of Rs. 150 lakh, out of which Rs.25 lakh will be the institutional share.

- a) Provision of 2,000 stainless steel milk cans @ Rs. 2,500/- per can to 500 Milk Producers' Co-operative Societies. The total cost works out to Rs.50 lakh, out of which Rs. 25 lakhs will be the Government grant and the remaining Rs. 25 lakh will be met by the institution.
- b) Provision of 10 PC based automatic milk collection station at Rs. 1.50 lakh per unit to 10 Milk Producers' Cooperative Societies at a financial outlay of Rs.15 Lakh.
- c) Provision of 100 electronic weighing machines at Rs. 12,000/- each to 100 Milk

Producers' Cooperative Societies at a financial outlay of Rs.12 Lakh.

- d) Provision of 100 electronic Milk-O-Testers at Rs. 30,000/- each to 100 Milk Producers' Cooperative Societies at a financial outlay of Rs.30 Lakh.
- e) Purchase of one copier machine to O/o. Commissioner and one computer, printer with accessories to O/o. Deputy Registrar (Dairying) Ariyalur at a financial outlay of Rs. 1.70 lakh.
- f) Strengthening of existing laboratory for analysis of cattle feed profile by providing instruments with accessories at a financial outlay of Rs. 15 lakh.
- g) Construction of 550 metre length compound wall to the orchard farm at Madhavaram milk colony at a financial outlay of Rs. 12.40 lakh.
- h) Providing Generator (5 KVA) for supply of electricity during electricity interruption at O/o. Commissioner at a financial outlay of Rs. 1.90 lakh.
- i) Providing potable drinking water equipments to O/o. Commissioner at a financial outlay of Rs. 1.00 lakh.
- j) Providing special repairs to the existing garage at administrative office building to

O/o. Commissioner at a financial outlay of Rs.1.00 lakh.

- k) Rectification of repairs in the Madavaram milk Colony road from Mathur Main Gate to Medimix point and Inner roads at O/o. Commissioner at a financial outlay of Rs. 10 lakh.

8. CENTRALLY SPONSORED SCHEMES

8.1 National Agricultural Development Programme (NADP) 2011-12

National Development Council resolved to implement a special additional central assistance Scheme called National Agricultural Development Programme (NADP) / Rashtriya Kisan Vikas Yojana (RKVY). The Scheme with 100% Central Government grant of additional investment aims at 4% growth in agriculture and allied sectors during the 11th plan period by ensuring a holistic development. The Scheme is being implemented after getting approval from the Committee headed by the Chief Secretary. The main objective of the Scheme is to maximize return to the farmers in the allied sector.

For the year 2011-12, the Government have sanctioned Scheme for a total value of Rs.24.62

crore as 100% grant from Government of India.
The details of the Scheme are as under:

- a) It is proposed to reorganize the existing 121 Input Veterinary units and establish 276 Mobile Veterinary Cluster Centres in total to cover 8,770 Milk Producers' Cooperative Societies (MPCS). Each Cluster Centre will be manned by a Veterinarian, who will cover around 30 Milk Producers' Cooperative Societies in a radius 10 Kms. 155 Mobile Veterinary Cluster Centres will be established at a financial outlay of Rs.8.34 crore.
- b) At present there are 8,770 MPCS functioning in the State and Milk procurement activities are being carried out by Extension Officers of DCMPUs along with Senior Inspectors and Extension Assistants of Dairy Development Department. Their duties are formation of societies, member induction, animal loan arrangement in tie up with banks, training farmers for adopting best management practices in Animal Husbandry, ensuring proper supply of feed, quality milk procurement, liaison between DCMPUs and societies and members, smooth functioning of societies and

monitoring milk cost payment to milk producers. It is proposed to engage reputed NGOs on contract for organizing 1,500 dairy units, take earnest steps for revival of dormant societies at a financial outlay of Rs.3.10 crore.

- c) Strengthening of milk processing facility and allied activities at Vellore Milk Union to process milk produced by the Cooperative Societies, throughout the year without any interruption at a financial outlay of Rs.1.13 crore.
- d) At present, the Product Dairy at Ambattur is functioning with limited capacity and equipments. The demand for 'aavin' ice cream is high. The gap between demand and supply is wide and hence it is proposed to expand the ice cream plant in Ambattur Dairy complex to meet out the demand of Chennai Metro as well to increase the profitability of the Federation at a financial outlay of Rs.1 crore.
- e) Bulk Milk Coolers play a vital role in clean milk production and to preserve the initial quality of milk. Dairy products form one of the fastest growing segments in the livestock products. Bulk milk chilling helps in increasing the shelf-life of milk but also

provides systematic and simple way of the procurement of milk besides ensuring procurement of more milk by covering untapped areas for milk collection. Hence, it is proposed to install 10 bulk milk coolers.

- f) The Krishnagiri dairy is one of the Feeder balancing dairies having powder making facilities. The union receives surplus milk from sister unions and convert it into Skimmed Milk Powder (SMP) and Butter. Since, it acts as a feeder balancing dairy, the chilling, processing and powder making capacities are to be strengthened by installing pasteurizer, milk separator, atmospheric condenser, cream storage tank etc., at a financial outlay of Rs.2.70 crore.
- g) To increase milk sale in Chennai metro, it is proposed to strengthen the dairy infrastructure at Kakkalur Dairy at a financial outlay of Rs.3.65 crore.
- h) To increase the sale of these value added products and also to improve the image of aavin in the eyes of consumers at Chennai Metro, it is proposed to operate 3 new aavin modern parlours at vantage locations in Chennai Metro and to strengthen the cold chain infrastructure in the existing parlours by adding / replacing machineries to

improve the cold storage capacity to store and sell more quantity of products at a total financial outlay of Rs.70.00 lakh.

8.2. Special Programme for Dairy Development as a part of National Mission for Protein Supplement (NMPS) 2011-12 under RKVY.

- The Scheme is implemented with an aim to deliver quality milk in time to consumers. For that, it is proposed to strengthen the existing refrigeration system, packing facilities, enhancing storage capacities etc., at a financial outlay of Rs.1.82 crore at Madhavaram, Rs.2.52 crore at Ambattur, and Rs.1.72 crore at Sholinganallur dairies.
- The 30 MT skimmed milk powder plant at Erode was installed in the year 1994. Due to wear and tear of the core equipments which requires immediate replacement, it is proposed to spend Rs. 1 crore and also to improve infrastructure at a cost Rs. 66 lakh.
- To make available the homogenized milk to consumers and to modernize the existing powder plant it is proposed to incur Rs.90 lakh for Krishnagiri dairy.

- It is envisaged to strengthen the existing refrigeration system, packing facilities and to maintain cold chain at Villupuram and Kakkalur Dairies at a cost of Rs.31 lakh and Rs.40 lakh respectively.

8. 3. Intensive Dairy Development Programme

The scheme aims at improving milk procurement, milk sales, creation of infrastructure required for milk processing and marketing, extension of input activities and manpower development in districts. The entire fund is sanctioned as 100% grant spread over a period of five years.

Under this Scheme, Government of India (GOI) has sanctioned a sum of Rs.20.26 crore to Sivagangai, Tirunelveli, Kanyakumari and Thanjavur District Co-operative Milk Producers' Unions.

During the year 2011-12, GOI have sanctioned a sum of Rs. 2.99 crore to Pudukkottai District Co-operative Milk Producers' Union and Rs.2.99 crore to Virudhunagar District Co-operative Milk Producers' Union for the implementation of Intensive Dairy Development Programme (IDDP)

Scheme. The GOI released the first year grant of Rs. 1.54 crore to the implementing Unions.

8.4. Strengthening Infrastructure for Quality and Clean Milk Production

The Scheme aims at training farmers on clean milk production activities, provision of chemicals and utensils, strengthening of laboratories at District union dairies / chilling centers and installation of Bulk Milk Coolers at societies to improve initial quality of milk at village level.

The Government of India gives 75% as grant for installation of Bulk Milk Coolers (BMC) and the remaining 25% is met by the concerned beneficiary District Unions.

So far, a sum of Rs.23.42 crores was sanctioned to Vellore, Villupuram, Tiruchirapalli, Dharmapuri, Salem, Kancheepuram-Tiruvallur, Erode, The Nilgiris, Madurai, Dindigul, Coimbatore, Tirunelveli and Sivagangai Milk Unions. Out of the total project cost sanctioned, the grant portion of Government of India is Rs.19.03 crore and the contribution of the implementing Unions is Rs.4.40 crore. Government of India has released a sum of Rs.14.65 crore.

9. CENTRAL– STATE SHARED SCHEME

“Assistance to Co-operatives”- Rehabilitation of Unions

Government of India formulated “Assistance to Co-operatives” Scheme to rehabilitate the loss making District Co-operative Milk Producers’ Unions.

The plan envisages 50% grant from the Government of India and 50% grant from the State Government to wipe off cash loss in District Co-operatives Milk Producers’ Unions and make them viable with suitable Rehabilitation Plan.

The proposal of Dindigul District Co-operatives Milk Producers’ Union for rehabilitation at a total cost of Rs. 1.33 crore has been forwarded to GOI through NDDB and it is under consideration.

10. VISION 2011-2016

In order to enable ushering in of a Second White revolution in the State, the following strategies are envisioned by the Department:

- Provision of Doorstep Veterinary and Emergency health services.
- Subsidised Artificial Insemination Services

Presently 2,644 Artificial Insemination centres are functioning. Totally around 16.00 lakh Artificial Inseminations are carried out in a year and Rs.15/- is charged per Artificial Insemination. Presently, the Department of Animal Husbandry is charging Rs.10/- per Artificial Insemination. Further to lessen the financial burden of the milk producers, Unions will charge Rs.10/- per artificial insemination on par with Animal Husbandry Department. Rs.5/- per Artificial Insemination will be subsidized by the State Government.

11. VISION FOR THE YEAR 2011-12

11.1 Organisation / Revival Of Milk Producers' Co-Operative Societies

During the year 2011-12, it is proposed to Organise / revive 1,500 Primary Cooperative societies of which already 999 societies are registered/ revived.

11.2 Milk procurement

It is proposed to increase milk procurement to 25 lakh litres of milk per day at the level of primary societies by forming new Milk Producers' Cooperative Societies, bringing more producers to cooperative fold by ensuring animal health care and providing cattle feed.

11.3 Milk Marketing

10.50 lakh litres per day (ltpd) of milk is sold in Chennai metro and 10.00 ltpd of milk at the District Unions. Milk is being sold to Government hospitals and other institutions by Federation and DCMPUs.

Table-1. Selling Price of Milk - with effect from 1.09.2009

SI. No	Type of Milk	Specification		Pack (in ml)	Card	Whole Sale Dealers	Maximum Retail Price
		FAT	SNF				
SACHET:							
1	Toned Milk	3.0%	8.5%	1000	17.75	19.00	20.50
2	Toned Milk	3.0%	8.5%	500	8.90	9.50	10.25
3	Standardized Milk	4.5%	8.5%	500	11.00	12.25	13.00
4	Full Cream Milk	6.0%	9.0%	500	12.00	13.25	14.00
5	Double Toned Milk	1.5%	9.0%	500	9.25	10.25	11.00
LOOSE MILK:							
6	Standardized Milk	4.5%	8.5%	500	10.75	-	12.00

Table -2 Types of Milk sold:

Sl. No.	Type of Milk	% of Fat & SNF	
		Fat	SNF
1	Toned Milk	3.0%	8.5%
2	Standardized Milk	4.5%	8.5%
3	Full cream Milk	6.0%	9.0%
4	Double toned Milk	1.5%	9.0%
5	Standardized loose Milk	4.5%	8.5%

For the benefit of the poor milk consumers 250 ml sachet milk is being sold by 9 District Cooperative Milk Producers Unions.

11.4 Products Marketing

The products manufactured by the District Unions and by Ambattur product dairies are being sold in Chennai Metro and in districts.

The product manufactured at district unions are ghee, cooking butter, table butter, skimmed milk powder, badam mix powder and UHT (Ultra High Temperature) milk varieties. The product manufactured at Ambattur product dairy are sugared khoa, unsugared khoa, dates khoa, mysore pa, paneer, curd, pro-biotic curd, yoghurt, butter milk, lassi, ice cream varieties, gulabjamun and flavoured milk in bottles.

These products are being marketed through Parlours managed by Dew concessionaires and Federation staff and franchise retail outlets (FROs). 55 parlours and 144 FROs are in operation at present at Chennai Metro.

11.5 Consumer Care and Support Cell

A cell is working round the clock for attending consumer complaints related to milk and milk products. It is monitoring the route vehicles operated from three dairies for milk distribution. It is watching and attending break down of route vehicles to avoid delay in distribution. Further it is maintaining complaints register for recording complaints received through toll free number, e-mail, tapals and through media and taking action to redress the grievances and report to the complainant as well as to management.

11.6 Marketing strategy:

aavin milk products are very much popular among the consumers in the state and the products are very much in demand. To increase the production and sale of Aavin products, it has been planned to procure more milk in the villages and allocate sufficient quantity of milk for making milk products. The marketing network will be revitalized

and the marketing infrastructure will be strengthened. Improving cold chain facilities at Chennai Metro is being planned to increase the sale of chilled products namely ice cream, yoghurt, lassi, paneer, curd and butter milk etc. The most popular aavin products namely ghee, butter and UHT milk will be made available sufficiently. Further channel players will be motivated to sell more products. All these measures will ensure that availability of products everywhere in the State besides help the unions and Federation to realize better value for the products and improve the earnings.

12. STRENGTHENING OF PROCESSING CAPACITY

During 2011-12, for increased milk handling, processing, packing etc., equipments will be purchased and infrastructure will be strengthened under National Mission for Protein Supplement (NMPS) Programme of GOI.

13. INSTALLATION OF BULK MILK COOLING CENTRES

During 2011-12, 40 Bulk Milk Cooling Centres will be made operational resulting in additional chilling capacity of 2,00,000 litres per day.

14. DEPARTMENT OF AUDIT FOR MILK COOPERATIVES

The Department of Audit for Milk Cooperatives has been started with effect from 1.10.1987. This Department is entrusted with the statutory audit of primary dairy cooperatives and milk consumer cooperatives, 17 District Cooperative Milk Producers Unions and State level Tamil Nadu Cooperative Milk Producers Federation Ltd. In this Department 307 employees are working on the basis of on duty from Cooperative Department, Finance Department and Treasuries and Accounts Department and 28 of Milk Audit Department persons are working in this Department.

15. CONCLUSION

The Hon'ble Chief Minister has envisioned to bring in a Second White Revolution in the State through systematic steps aimed towards increase in the milk production. While on one hand, the Department of Animal Husbandry is in the process of distributing milch cows to the rural poor, on the other hand, the Department of Dairy Development is taking earnest steps to revive the defunct societies, form new societies, infuse fresh capital for upgradation of the Dairy Plants across the State

and augment the existing infrastructure in order to achieve the Vision of the Visionary Chief Minister of Tamil Nadu.

N.R. SIVAPATHI,
Minister for Animal Husbandry.

SIGNIFICANT INFORMATION

Some of the significant information regarding Dairy Sector is furnished as follows:-

TABLE-III

S. No	Items	As on 1.8.2011
1	Total number of functional Milk Producers' Co-operative Societies	8,770
2	New Milk Producers' Co-operative Societies registered during 2010-11	143
	During 2011-12 so far registered/revived	999
3	Total number of Members in Milk Producers' Co-operative Societies (in lakhs)	22.22
4	Total No. of pouring members(in lakhs)	4.15
5	Milk Production by societies (in llpd)	27.79
6	No. of District Unions	17
7	State Level Federation	1
8	No. of Registered private dairies in the State	36
9	Milk Procurement by Unions (in llpd)	24.32
10	Milk Marketing in Chennai City (in llpd)	10.50
11	Milk Marketing in District Unions (in llpd)	8.86
12	Number of Union Dairies	16
13	No. of Federation Dairies	4
14	Handling Capacity of Union Dairies (in llpd)	20.72
15	Handling Capacity of Federation Dairies (in llpd)	10.00
16	Handling capacity of Registered Private dairies (in llpd)	60.23
17	Number of Chilling Centres	35
18	Handling Capacity of Chilling Centres (in llpd)	14.75
19	No. of Bulk Milk Cooler units	182
20	Handling capacity of Bulk Milk Cooler units (in llpd)	7.27
21	No. of rural milk collection routes	528
22	No. of milk distribution routes at District level	230
23	No. of milk distribution routes in Chennai Metro	107
24	No. of Powder Plants	4
25	Capacity of powder plants for drying milk	70 MT / day

TABLE-IV

Milk procurement by District Co-operative Milk Producers' Unions

Sl. No.	Name of the Union	on 1-08-2011
		(In thousand litres per day)
1.	Kancheepuram-Tiruvallur	73
2.	Villupuram	181
3.	Vellore	296
4.	Dharmapuri	131
5.	Salem	493
6.	Erode	239
7.	Coimbatore	254
8.	The Nilgiris	20
9.	Madurai	194
10.	Dindigul	63
11.	Tiruchirapalli	305
12.	Thanjavur	47
13.	Pudukottai	14
14.	Sivagangai	36
15.	Virudhunagar	10
16.	Tirunelveli	67
17.	Kanniyakumari	9
	Total	2432

TABLE- V

Milk sales in District Co-operative Milk Producers' Unions and Chennai Metro

Sl. No.	Name of the Union	On 01.08.2011
		(In thousand litres per day)
1.	Kancheepuram-Tiruvallur	7
2.	Villupuram	35
3.	Vellore	84
4.	Dharmapuri	22
5.	Salem	138
6.	Erode	71
7.	Coimbatore	158
8.	The Nilgiris	16
9.	Madurai	129
10.	Dindigul	17
11.	Tiruchirapalli	101
12.	Thanjavur	19
13.	Pudukottai	4
14.	Sivagangai	21
15.	Virudhunagar	6
16.	Tirunelveli	46
17.	Kanniyakumari	12
	Total	886
18.	Chennai Metro Sales	1050
	Grand Total	1936