
CHAPTER - 2.

2.1 Profile of the

**Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd
Kolhapur**

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KOLHAPUR ZILLA SAHAKARI DUDH UTPADAK SANGH LTD.

KOLHAPUR

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INTRODUCTION

The Kolhapur District Co-operative Milk Producers Union Ltd., Kolhapur established on 16th March, 1963 under Co-Operative Societies Act [Regd. No. KPR-PRD [A] 102], made a moderate beginning by collecting 700 litres of milk per day from 22 societies. The basic function of the sangh during the formative years was to procure the milk and supply it to the government dairy in Tarabai park, Kolhapur. This module operandi continued for many years.

In 1978 The National Dairy Development Board included Kolhapur District under operation flood Area and this was beginning of a new era for the Dudh sangh. The project was financed by the National Dairy Development Board. On a turnkey basis the N.D.D.B. constructed a 2 lac litres/day capacity Dairy plant at Gokul-Shirgaon, Similarly, at Gadhinglaj and Bidri Chilling Centres of 75,000 & 50,000 litres/day capacity were also constructed with the help of NDDB. Two more chilling centres at Gogave [shahuwadi Taluka] and at Tawarewadi [Chandgad Taluka] have been proposed under Operation Flood-III programme of the National Dairy Development Board. The expansion of Cattle Feed Plant from 100 MTD to 200 MTD has been completed during oct '92, under the financial assistance from N.D.D.B. under OF-II Programme.

The Dairy was commissioned towards the end of 1985. Meanwhile, with the efforts of the N.D.D.B. the Government milk scheme in Kolhapur was handed over to the Kolhapur Dudh Sangh in mid 1985. With commissioning of a new dairy at Gokul Shirgaon, The Government Dairy became defunct. During 1985 the average milk procurement was 114836 lts. per day with 676 village level societies affiliated to the dudh Sangh. Thereafter the rise

in procurement every year has been very fast and in 1993-94 the average procurement was 114836 lts per day with 676 village level societies affiliated to the dudh Sangh. Thereafter the rise in procurement every year has been very fast and in 1993-94 the average procurement was 375761 lts. per day. In the flash of 1993 maximum milk procurement touched figure of 467390 lts per day.

1. AREA OF OPERATION :

The Kolhapur Milk Union covers all the twelve talukas i.e. [1] Karvir, [2] Kagal, [3] Chandgad, [4] Gadhinglaj, [5] Ajara, [6] Radhanagari, [7] Gaganbavada, [8] Bhudargad, [9] Shahuwadi, [10] Panhala, [11] Shirol & [12] Hatkanagale. However, 41 villages from Hatkanangale & Panhala Talukas are affiliated to Warana Milk Producers Union.

2. CAPITAL EXPENDITURES OF THE KOLHAPUR UNION Rs. in lacs.

2.1	Dairy Plant, Gokul Shirgaon	:	688.84
2.2	Cattle Feed Plant, Gadmodshingi	:	141.00
2.3	Chilling Centres at Gadhiglaj & Bidri	:	156.40
2.4	A.H. and A.I programme	:	238.43
2.5	Marketing	:	14.00

	Total Rs...		1238.67

[The above figures show the actual expenditure upto MAR.93]

3. MEMBERSHIP : [As on 31st March, 1994]

3.1	A Class	:	1437
3.2	B Class	:	80

	Total	:	1517

4.	SHARE CAPITAL : [AS ON MARCH, 94 FROM PROVISIONAL B/S]		
4.1	Authorised	Rs.	50,00,00,000.00
4.2	Paid up	Rs.	7,12,60,600.00
5.	DEPOSITS & INVESTMENTS :	Rs.	10,17,69,428.00
6.	BORROWINGS :	Rs.	10,05,37,169.00
7.	PROFITS :	Rs.	5,06,10,491.00

8. OBJECTIVES AND MAJOR ACTIVITIES OF THE MILK UNION :

8.1 Undertake activities of procuring clean and quality milk at Main Dairy and Chilling Centres from Dairy Farmers through their Village Dairy Co-operatives and remunerative price throughout the year on qualitative basis.

8.2 Process and convert into products the milk received from the Dairy Co-operatives, take up commercial production and marketing of Gokul products such as Milk Powder, Ghee, Butter, Table Butter and Shrikhand [Sweet-Curd]. Supply surplus milk to Mahananda Dairy, Bombay, managed by Maharashtra Rajya Sahakari Dudh Mahasangh Ltd., Bombay Branch, Goa Union and to other cities and towns for consumption of consumers.

Beginning from 1987 liquid milk marketing was lunched in Bombay .Initial sale was 16000 lts per day.As on date buffalo and cow milk taken together the sale is more than 2,40,000 lts/day.

Beginning July,93 liquid milk marketing was lunched in Pune and at present sale is 27,000 lts per day .

8.3 Manufacture balanced Cattle Feed for supply to the Dairy Co-operatives in the milk Shed at reasonable price.

- 8.4 Convert conventional Dairy Co-operatives into Anand Pattern and regularly monitor their functions through Extension Services Wing of procurement and Input Department.
- 8.5 Take up activities for development of dairying through dairy Co-operatives, such as First Aid Training, provide services through Mobile Veterinary Clinics, attending Emergency Veterinary Calls, take up Vaccination and Artificial Insemination Programmes Organisations of Secretary Training and Management Committee Training Programmes, Milk Testing Method training programmes. These and such other facilities are also extended to adjoining district milk unions. Fodder Development activities are taken up on large scale by making available seeds to the Dairy Farmers at subsidised rates. Schemes such as silvipasture and Decentralised Nurseries for development of waste land have been implemented.
- 8.6 For maintaining rate of growth of milk production in kolhapur district, here onwards a stress will have to be given on scientific breeding. Shortage of semen material of excellent genetic quality is main problem which is being faced in animal breeding. For this matter progeny testing and sire proving programme will have to be taken up. Embryo transfer activity undergoing in the Kolhapur Union is additional complimentary point for the above programme.
- 8.7 With a view to create awareness and encourage Lady Farmer Members in day to day activities of milk production and management of co-operative societies, a separate cell called
CO-OPERATIVE DEVELOPMENT CELL is opened.
- 8.8 With the help of National Dairy Development Board, a TRAINING CENTRE is established to train the society Secretaries, Management Committees, First Aid and All Workers, Milk Testers etc. for effective management of Dairy Co-operatives. This facility is also extended to the adjoining district Milk Union.

9.0 MANAGEMENT :

The Board consists of 14 elected directors and representatives of state federation N.D.D.B. and dairy development commissioner as well Dy. registrar of co-operatives Last year as per the directives of the state Government two women directors have been co-opted on the board and next general election onwards these post

would be subject to regular election. The Board once elected has a tenure of 5 years. The chairman is elected every year from among the elected members of the board. Board meetings are held regularly on every 10th, 20th and 30th of the month. The board is fully committed to its tasks.

The Board consists of 16 representatives of the dairy co-operative, Managing Director - appointed by state government, Representative of State Federation Maharashtra., Representative of Dairy Development Commissioner, Dy. Registrar Co-operative Societies , Pune and Representative of National Dairy Dev. Board, Anand.

10. BENEFITS TO THE MEMBERS AND OTHER:-

Since the entire activities of the Union are monitored, managed and controlled by the elected representatives of primary Dairy Co-operatives, members and other enjoy benefits.

- 10.1 Quality based remunerative price guaranteed.
- 10.2 Availability of Productive cattle of good and high breeds
- 10.3 Loan and advance guarantees for purchase of dairy cattle.
- 10.4 Technical inputs are Channelised and delivered.
- 10.5 Regular and secured flow of product value ensure improved living standards of farmers.
- 10.6 Community development through Co-operative spirit builds nation and generates employment for rural population
- 10.7 Constant flow of health through quality milk and milk products assured to the urban population.
- 10.8 Generation of employment for urban population through growth of allied industry.

ONGOING AND PROPOSED PROJECTS OF KOLHAPUR UNION :-

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Sr. No.	Description of sub-project	Cost Estimate [Rs.in lacs]
1.	GOKUL DAIRY EXPANSION ; From 2 to 7 lac Lpd with expansion of dairy plant from 10 to 30 Ton\day cap.	3036.73
2.	GADHINGLAJ C.C EXPANSION from 75 TLPD to 1.25 LLPD	80.52
3.	BIDRI C.C EXPANSION from 50 TLPD to 1 LLPD	98.55
4.	Cattle feed plants exp'n. from 200 to 400 MT\day.	783.91
5.	New Chilling Centres :- a) shahuwadi C.C of 50 TLPD capacity.	191.49
	b) Chandagad C.C of 1 LLPD capacity.	297.99

TOTAL COST :- 4487.19

**CHRONOLOGICAL EVENTS SHOWING THE PROGRESS MADE BY KOLHAPUR
DISTRICT CO-OPERATIVE MILK PRODUCERS UNION UNDER
OPERATION FLOOD PROGRAMME.**

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01. Kolhapur milk union was registered on 16\3\1983.
02. Operation flood I implementation started from 1\4\1978.
03. National Productivity Council Award for the year 1989-90 in the category of milk product plants..
04. Second NPC Award for the year 1991-92 in the category of liquid milk plants.
05. A solar water Heating system of a capacity 50,000 liters of water per day heating from 20 C to 80 C has been installed in Gokul Dairy last year. Annual projected saving in expenditure on furnace oil is estimated to be to the tune of Rs. 6,00,000\-
06. Export of extra grade milk powder to Shrilanka, thus paving the new way in the marketing.
07. Beginning from 1987 liquid milk marketing was launched in Bombay. Initial sale was 16,000 litres per day. As on date buffalo and cow milk taken together the sale is more the 240,000 litres per day.
08. Beginning July 93 liquid milk marketing was launched in Pune and at present sale is 24,000 litres per day.
09. Supply of milk to Goa Union is regular for past many years.
10. So far 1444 milko testers have been supplied to village dairy Co-operative societies with the present level subsidy of Rs. 3000\-\- per milko tester.
11. Computers have been introduced at Head Office and cattle feed plant.
12. Cattle Feed plant at Gadmodshingi started production and distribution of cattle feed to Dairy Co-operative societies on 13\1\1982.
13. Operation flood II implementation started from 1\4\1981.
14. Chilling centre at Gadhinglaj [Lingnur] started milk handling on 13\11\1981.
15. Gokul Dairy Project Construction started at M.I.D.C. Gokul

- Shirgaon on 26\2\1982.
16. Chilling Centre at Bidri [Boravade] started milk handing on 1\8\1983
 17. Acquired 18 acres of land for demonstration seed production and Green Fodder production.
 18. Training centre for society secretaries, M.C.M., and for Lay Inseminators started in December 1984.
 19. Government milk scheme was handed over on 1\5\1985.
 20. Gokul Dairy started on 18\10\85.
 21. Number of milk procurement routs. morning - 133 Evening-130
 22. Product making started from 1986, powder 10 MT\day Ghee 3 MT/day, Shrikhand 1 MT\day, Butter 8MT\day, table Butter 1 mt/day.
 23. Cattle feed factory expansion [200MT] completed and started Bypass cattle feed production in sept,1992.
 24. Kolhapur milk Union's Embryo Transfer Department started on 23\8\1992.

DAIRY AND CHILLING CENTRES :-

The Gokul Dairy plant Originally envisaged to handle 2 lakh litres of milk per day with a 10 TPD powder plant is now handling up to a maximum 465,000 lts. of milk per day. Under the Guidance of the National Dairy Development Board the Dudh sangh has undertaken Q.A.P. programme for the last two years and the results are encouraging. Dairy has been manufacturing skim milk powder as per Is-13334-Part II extra grade. Kolhapur dudhsangh has been able to make a beginning in exports of skim milk powder to neighbouring countries. skim milk powder, and recently an application for getting licence for stamping of extra grade Powder. white Butter, Yellow Butter, Table Butter, Shrikhand and Ghee are the regular products popularly known by 'GOKUL' brand in the market.

CATTLE FEED PLANT :-

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Originally 100 M.T. per day capacity plant was taken by NDDB on turnkey basis and was commissioned in January, 1982. The feed is being sold under the brand name 'Mahalaxmi' Beginning July 1988 By-pass protein production was taken up. The plant has been recently expanded to a capacity of 200 M.T. per day and beginning from Nov, 1992 the production is completely switched over to by-pass feed.

PROCUREMENT :-

Last years average and peak procurement was 375769 and 467390 liters respectively. Milk is collected from 1601 village dairy co-operatives on 133 milk collection routes. The proportion of Buffalo and cow milk is about 75% and 25% respectively. The Bulk Fat B\M is 7.1 % and the SNF is 9.4 % .

ANIMAL HUSBANDARY :-

In the district there are 17 animal Husbandary centres and regular 23 Veterinary routes looked after by 37 Veterinary Doctors Regular Services are rendered free of cost and for special services nominal fees are charged Annual expenditure is Rs. 52, 03, 908.

FODDER DEVELOPMENT :-

With a view to provide nutritious feed to the animals, Dudhsangh has undertaken improved varieties of fodder seeds to the Producer members Seeds are supplied on basis of 25% subsidy. Manual chaff cutters are distributed with a subsidy of 50% and motorised chaff cutter at a subsidy of 50% .

The annual distribution of fodder seeds is over 63 tons and there is gradual increase in the demand. At present 975 societies are using fodder seeds covering a land area of 5500 acres for fodder cultivation.

EMBRYO TRANSPLANTATION :-

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Under the national programme of Embryo Transplantation a state E.T. centre has been established at Kolhapur. The field operations have commenced from August, 1992. The services of the centre are offered on Chargeable basis in such a way that in the long run the scheme should prove to be self-sustaining. This being very costly and delicate technology a slow and cautious approach was taken until the results were stabilised. Presently conception rate of E T is about 30 %. Already Nine calves are born as a result of this programme and 18 more animals are pregnant. The trend is encouraging.

CO-OPERATIVE DEVELOPMENT CELL :-

With the help of the National Dairy Development Board, the CD programme has been undertaken beginning March 1990. The programme covers women education, member education, management committee training, secretary training, procurement and input training, Youth group discussion, women group discussion, leadership development, refresher courses and milkday programmes. The recent addition to the programme is adoption of villages for development. The programme is known as 'GOKUL GRAM VIKAS YOJANA' Initially 175 villages will be beneficiaries. Kolhapur Dudhsanghs officers from procurement, Animal Husbandary, Training centre, fodder Development, departments will adopt one villages each and will be responsible for training of members, women members and will co-ordinate for effectively reaching all the services and facilities rendered by Dudh sangh up to the beneficiaries.