

Notice

This is to inform that, 72nd Annual General Meeting of the Surat-Tapi District Co-operative Milk Producers' Union Limited will meet on 26th July 2023, Wednesday at 10.00 am. at Shri Kedareshwar Mahadev and Gyaneshwar Mahadev Temple Trust, Dhulia Road, Bardoli, Dist. Surat. for the purpose of the following agenda. So, authorized Representatives of the Societies are requested to remain present in the meeting.

Agenda

1. To pay tribute to the departed souls.
2. To approve the preceding of previous General Meeting.
3. To review the actual expenditure incurred during the year 2022-23 in comparison to the budgeted provisions.
4. To approve the annual report presented by the control committee for the financial year ending on 31st March 2023, as well as the certified Final accounts, Trading and Profit and Loss account by the Special Auditor (Milk), Milk Audit Office in Surat, and M/S Modh & Co. (Chartered Accountants) in Surat.
5. To grant the distribution of the profit as recommended by the Board of Directors.
6. To approve the Budget for the year 2023-24.
7. To view the Audit Report of Special Auditor (Milk), Milk Audit office, Surat and M/S Modh & Co. (Chartered Accountants), Surat.
8. The Union will make a decision regarding the appointment of Statutory and Internal Auditors as well as their remuneration.
9. To consider the Union bylaws, specifically Clause definition 4(a), the purpose of Clauses 5(1), (2) and (3), and to make amendments to Clause 6(8) with reference to Appendices 1 and 2.
10. To acknowledge the approval of the union bylaws in the previous annual general meeting, it relates to Clause 1.4(a) or Clause 22, as well as Part-1 of Election Rules 2.2 and 2.3, regulated by the Registrar of Cooperative Societies in Gujarat State, Gandhinagar and the District Registrar of Cooperative Societies, Surat.
11. To decide limit to take loan from outside by remaining within the limits of Clause No. 6 of the Bylaws of the Union.
12. To decide fee for attending meetings, Traveling Allowance, rate of Daily Allowance and use of vehicles for attending the Board Meetings and Sub Committees by the Board of Directors.
13. The views of the Chairman or any other information from his side to be presented.

Sumul Dairy,
SURAT 395008
Date: 07/07/2023

As per order of the Board of Directors
Managing Director
Sumul Dairy, Surat.

Telephone: 2537693, 2531666, 2531137, 6710200
Fax: 0261 2533572
Society Members: 966

Registration No – P. D. 688 dated – 22/08/1951
Audit Class – (A)

COMMITTEE MEMBERS : 2022 – 2023



Shri Mansinhbhai Kalyanjibhai Patel
Chairman

Representative:

Vanskui Dudh Utpadak Co operative Society, Ltd. Vanskui.
M. P.O. Vanskui. Tal – Mahuva, Dist: Surat
Mobile: 99798 75301, 9913342000



Shri Rajeshkumar Kantilal Pathak
Vice Chairman

Representative,

Mosali Dudh Utpadak Co operative Society, Ltd.
At: Mosali Taluka: Mangrol, Dist: Surat:394421
Mobile: 98251 07530



Shri Riteshbhai Amarsinh Vasava

Representative,

Wadi Dudh Utpadak Co-operative Society, Ltd.
At & Post – Wadi, Taluka – Umarpada, Dist.: Surat
Mobile: 99093 74848



Shri Nareshbhai Bhikhabhai Patel

Representative,

Bootwada Dudh Utpadak Co-operative Society, Ltd.
At & Post – Bootwada, Taluka – Valod, Dist.: Tapi
Mobile – 98258 73603



Shri Sandipbhai Jayantilal Desai

Representative,

Kanakpur-Kansad Dudh Utpadak Co-operative Society, Ltd.
At & Post: Kansad, Taluka – Choryasi, Dist.: Surat
Mobile: 98250 11120



Shri Jayeshbhai Natvarbhai Patel

Representative:

Delad Dudh Utpadak Co-operative Society, Ltd.
At – Delad, Post: Sayan, Taluka – Olpad, Dist.: Surat,
Mobile – 99799 11666



Shri Bharatsinh Gumansinh Solanki

Representative

Dambha Dudh Utpadak Co-operative Society, Ltd.
At & Post: Dambha, Taluka – Palsana, Dist.: Surat
Mobile: 99795 00055



Shri Bharatbhai Sudambhai Patel

Representative

Velda Dudh Utpadak Co-operative Society, Ltd
At & Post: Velda, Taluka – Nizar, Dist.: Tapi
Mobile: 80008 71065 (From:14/10/2022)



Shri Sunilbhai Ratanjibhai Gamit

Representative,

Jamki Dudh Utpadak Co-operative Society, Ltd.
At & Post-Jamki. Taluka – Uchchhal, Dist.: Tapi
Mobile: 9687056108 / 99241 56108



Shri Balawantbhai Morarbhai Patel

Representative,

Choryasi Dudh Utpadak Co-operative Society, Ltd.
At & Post: Choryasi, Taluka – Kamrej, Dist.: Surat
Mobile: 98253 42133



Shri Ajitbhai Jagubhai Patel

Representative,

Kharvasa Dudh Utpadak Co-operative Society, Ltd.
At & Post-Kharvasa, Taluka – Bardoli, Dist.: Surat
Mobile: 98795 24843 (Till:12/10/2022)



COMMITTEE MEMBERS : 2022-2023



Shri Resabhai Vasabhai Chaudhari
Representative,
Sathvav Dudh Utpadak Co-operative Society, Ltd.
At & Post: Sathvav, Taluka – Mandvi, Dist.: Surat
Mobile: 98796 74793 / 90814 47728



Shri Sanjaybhai Babanbhai Suryavanshi
Representative,
Amoda Tarfe Taloda Dudh Utpadak Co-operative Society, Ltd.
At & Post: Amoda Tarfe Taloda, Taluka - Kukarmunda,
Dist.: Tapi - Mobile: 94284 50165



Shri Siddharthbhai Amarsinh Chaudhari
Representative,
Jesingpura Dudh Utpadak Co-operative Society, Ltd.
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Shri Kantibhai Reshmabhai Gamit
Representative,
Dosvada Dudh Utpadak Co-operative Society, Ltd.
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Shri Shailleshbhai Virsinhbhai Patel
Representative,
Bahera Rajpur Dudh Utpadak Co-operative Society, Ltd.
At & Post: Bahera Rajpur, Taluka – Dolvan, Dist.: Tapi
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Shri Atul Agrawal / Himanshu Bhatt
Representative,
Gujarat Co-operative Milk Marketing
Federation Ltd; Anand



Shri Dhanraj Sahani
Representative,
National Dairy Development Board, Anand



Shri Navin Kumar
Representative,
National Dairy Development Board, Anand



Shri Dhruvin Patel
The District Registrar
Cooperative Societies,
The Special Auditor (Milk), Milk Audit Office, Surat,
Representative. The Registrar, Cooperative Societies, Gujarat State



C A Kunjal Modh,
For Modh & Co. Chartered accountants)
C A Kunjal Modh-Partner
Reg. no – 129480 W, S. N. 129714,
Panel no.– SUR/CA.FIRM/9



Shri Arun H. Purohit
Ex. Officio, Member Secretary,
Managing Director, Sumul Dairy, Surat.
Mobile – 99799 11333

Bankers

The Surat District Co-operative Bank Ltd.
State Bank of India, Surat
Axis Bank, Surat

HDFC Bank, Surat
UNION Bank of India, Surat.
Kotak Mahindra Bank, Surat

Indusind Bank, Surat
ICICI Bank, Surat
Federal Bank, Surat

REPORT SHOWING PROGRESS (DETAILS)

Year	Societies	Milk Procured from societies (kg.)	Price paid per kg. fat Rs. ps	No. of Members (Societies)	No. of Trainees of Animal Husbandry Workers	No. of Artificial Insemination	No. of Pregnancy Treatment Cases	No. of Mobile Veterinary Clinics	No. of Animals Treated by Mobile Veterinary Clinics	No. of Cases of Special Veterinary Visits	Sale of Sumul Feed (M.T.)	No. of Frozen Semen Centers
1992-93	830	9,88,82,959	128.45	1,56,448	26	8,391	20,084	14	1,28,185	6,375	54,466	101
1993-94	849	11,22,80,311	132.46	1,58,088	28	11,079	22,114	16	1,51,490	8,278	56,281	65
1994-95	864	10,84,29,871	151.13	1,59,927	55	10,692	20,924	16	1,49,529	8,257	57,286	68
1995-96	900	11,69,66,093	176.75	1,95,312	22	16,815	33,239	17	1,76,397	10,258	61,668	77
1996-97	915	16,09,29,736	179.68	1,98,506	34	21,067	39,921	19	2,40,117	17,752	69,202	83
1997-98	940	18,77,96,293	184.67	2,03,906	08	22,807	49,047	19	3,13,311	21,128	82,597	89
1998-99	953	17,75,35,980	195.00	2,04,205	19	23,734	51,665	21	3,37,997	27,597	83,441	89
1999-00	960	18,56,31,310	199.00	2,05,546	23	33,505	55,216	21	3,71,334	30,596	82,264	100
2000-01	968	20,58,40,280	202.00	2,07,258	25	45,391	41,408	21	4,75,781	33,982	86,886	107
2001-02	977	19,81,62,669	205.00	2,09,208	59	52,251	73,278	21	5,14,620	39,337	96,663	115
2002-03	994	21,12,63,522	207.92	2,13,710	66	66,485	83,941	22	4,99,403	42,521	9,19,074	125
2003-04	1,006	20,73,02,286	216.00	2,17,615	70	83,765	93,326	21	5,92,200	55,220	1,01,492	140
2004-05	1,041	23,03,92,433	227.00	2,18,975	86	1,23,435	94,400	22	5,06,897	61,299	99,972	162
2005-06	1,048	25,17,46,629	233.00	2,21,057	127	1,40,120	1,18,304	22	4,48,797	79,953	1,06,491	165
2006-07	1,051	24,07,84,167	253.00	2,22,207	137	1,64,862	1,39,894	22	4,41,105	66,806	1,25,806	176
2007-08	1,055	24,33,37,021	295.00	2,23,207	106	1,94,325	1,63,495	22	4,88,628	96,602	1,15,861	201
2008-09	1,063	28,28,70,876	318.00	2,24,437	60	2,38,142	1,78,741	22	5,49,285	1,15,154	1,31,100	226
2009-10	1,068	29,50,69,162	350.00	2,25,389	80	2,70,714	2,11,487	22	6,14,456	1,36,104	1,39,254	243
2010-11	1,068	29,64,56,069	410.00	2,28,164	44	3,18,352	2,52,853	22	6,56,951	1,25,827	1,40,438	255
2011-12	1,076	32,60,83,990	485.00	2,28,924	73	3,52,381	2,91,142	22	4,74,406	1,37,585	1,50,385	262
2012-13	1,080	39,79,98,669	511.00	2,29,456	103	3,93,388	1,81,906	23	5,51,819	1,35,499	1,63,356	279
2013-14	1,095	39,03,20,107	568.00	2,30,406	121	4,01,133	3,28,547	23	4,57,741	1,26,063	1,33,709	297
2014-15	1,125	40,51,61,596	622.50	2,33,151	144	4,43,740	3,48,526	23	5,69,561	1,19,724	1,36,341	345
2015-16	1,141	50,12,38,514	691.00	2,35,301	90	4,64,305	3,61,162	26	5,44,901	1,26,639	1,34,611	398
2016-17	1,164	49,56,16,679	691.67+33.33	2,38,443	86	4,25,983	3,53,328	26	4,76,082	1,62,362	1,47,469	394
2017-18	1,173	57,53,95,510	724.17	2,40,382	67	3,08,618	2,63,137	26	4,23,373	1,52,022	1,74,256	417
2018-19	1,184	60,28,24,279	714.31	2,46,757	69	3,79,186	2,78,575	26	4,11,651	1,55,813	1,71,258	427
2019-20	1,200	53,93,04,332	756.25	2,48,469	46	3,95,244	2,46,990	26	4,74,380	1,58,108	1,97,575	434
2020-21	1,203	62,14,38,613	772.67	2,49,705	44	4,48,559	2,74,505	26	3,94,643	1,61,287	1,49,678	435
2021-22	1,208	64,88,83,629	787.00	2,50,252	44	4,55,668	2,78,283	27	3,98,381	2,69,097	1,68,794	438
2022-23	1,213	70,09,84,448.80	871.50	2,51,002	44	4,73,627	3,04,983	28	4,38,665	3,00,952	1,82,178	464



THE CHAIRMAN'S ADDRESSES

Dear Cooperative Friends,

I am pleased to present in brief of accounts of the accounting year 2022-23 certified by the auditor & with the consent of all committee members, reports, union's works & activities in the 72nd annual general body meeting of Sumul Dairy.

Taking into consideration the welfare of milk producers in the country during this annual year, as a precaution, we successfully safeguarded our cattle through a vaccination campaign aimed at preventing the serious "lumpy disease." This disease has inflicted substantial losses on both the herdsman and the nation as a whole.

The term 'Healthy Cattle' by the Union denotes a comprehensive strategy focused on maximizing milk production, which includes initiatives such as the 'Mass Deworming Campaign' and 'Mass Vaccination Campaign,' along with around-the-clock quality healthcare for sick animals. Additionally, our artificial insemination service encompasses cutting-edge techniques, including sex semen and embryo transfer.

As an initiative to boost the income of milk producers, we have introduced the "Sumul-Sudico Milk Ganga Pashu Loan Yojana" which provides interest-free loans. Additionally, we have implemented the "Sumul-Sudico Vachardi/Padi Savardhan Yojana", an interest free program designed to promote the proper rearing of small calves in a scientific manner among milk producers.

We've made a sincere effort to support cattle nutrition by prioritizing silage consumption. Furthermore, we've achieved success through the cooperation of everyone involved, particularly those who have emphasized controlling the consumption of other's local brands Dan.

To enhance the business value for milk producers, we have implemented a highly beneficial family-sized biogas scheme. This scheme offers a cost equivalent to that of 5 months of gas cylinders but comes with a lifespan of 10 years.

To ensure the cost-effective operation of milk cooperative societies, we have made a modest effort to utilize natural solar energy sources to control expenses. This includes the implementation of the 'Solar Rooftop Scheme' for BCU societies.

Through the successful implementation of various other schemes aimed at the development of milk societies and milk producers, efforts have been made to achieve the target of 25 lakh litres of milk per day in the upcoming year 2025-2026.

At the union level, we have prioritized various project expansion units and a robust sales system to emphasize sales growth through a customer-oriented approach for milk and milk products.

1. Union Membership:

The number of Primary Milk Producers' Co-operative Societies affiliated with the Union was 946 at the end of the financial year.

2. Board of Directors:

The committee's term is for 5 years, starting from 9th August 2020. As of 27th January 2023, for pending 2.5-year period, the Chairman and Vice Chairman have been appointed. A special civil application has been filed in the esteemed Gujarat High Court concerning the vacant seat in Bardoli taluka.

3. Business and Financial Position:

The total trade turnover of the union for the financial year 2022-23 is Rs. 5,356 crore, representing a 16.31 percent increase compared to the previous year, which amounts to Rs. 751 crore more. The total sales of the union for the same financial year amounted to Rs. 4,825 crore, which is 18.28 percent higher than the previous year, equal to an increase of Rs. 746 crores. After provisioning for depreciation of Rs. 7,134 lakhs, the Union achieved a net profit of Rs. 12,54,55,326 at the conclusion of the financial year 2022-23.

The Board of Directors has recommended a 15 percent dividend distribution in accordance with the provisions of the Co-operative Act.

4. Audit:

The audit procedures for milk-producing societies and the Union are overseen by the Audit Board through a continuous and concurrent audit scheme.

5. Milk Acquisition:

During the year under review, milk production was adversely affected at the national level due to lumpy disease leading to cattle deaths. Despite this challenge, our union successfully maintained a consistent pace of safe milk acquisition and supply through an active vaccination campaign for our milch cattle.

A total of 70,09,84,448.80 kg of milk was procured during the year under review, representing an 8.04 percent increase compared to the previous year. Eligible societies under various schemes received a total of Rs. 205.07 crores in assistance. (Milk societies with BCU received an additional Rs. 76.18 crore as BCU fat difference amount.

During the year under review, the price of fat per kg paid to milk producers was Rs. 871.50, marking a 10.74 percent increase over the previous year which is Rs. 84.50 more. Additionally, the union distributed Rs. 27.38 per kilo of fat as BCU fat fare, and the association achieved a net profit of Rs. 12,54,55,326, which is an 18.80 percent increase in comparison.

No.	Details	2021-2022	2022-2023
1	Cow Milk, Kilogram	41,59,91,184.70	45,43,59,671.80
2	Buffalo Milk, Kilogram	23,28,92,445.00	24,66,24,777.00
3	Total Milk, Kilogram	64,88,83,629.70	70,09,84,448.80
4	Total Fat, Kilogram	3,28,04,051.52	3,49,95,976.16
5	Total SNF, Kilogram	5,63,39,593.13	6,08,43,398.49

6. Marketing / Sale:

Details of sales made by Sumul Dairy, Surat as well as GCMMF

No.	Details	2022-2023 (Lit/kg)	Increase in %
1	Sales of Milk (Surat City)	43,08,13,821.85	7.89
2	Sales of Butter Milk	8,95,62,670.66	7.65
3	Sales of Curd	1,38,18,186.19	34.81
4	Sales of Ghee	53,65,920.48	23.41
5	Sales of Paneer	19,42,471.20	14.13
6	Sales of Sweets	6,49,685.27	13.27
7	Sales of Shrikhand	4,52,832.60	21.44
8	Sales of Icecream	95,07,919.81	35.81

Sumul Dairy sold a total of 54,74,65,050 liters of milk during this fiscal year. Additionally, the sales of milk, buttermilk, curd, ghee, shrikhand, and sweets have increased in the local Surat market over the past year.

During the reporting year, the highest daily milk sales reached 14,26,879 liters, while buttermilk sales reached a peak of 4,38,53 liters per day. On average, 11,80,311 liters of milk and 2,45,377 liters of buttermilk were sold in both the urban and rural areas of Surat and Tapi throughout the year.

During the reporting year Sumul Dairy able to sold a daily average of 37,858 kg of curd, 14,701 liters of ghee, 5,321 kg of paneer and 1,780 kg of sweets, along with 1,240 kg of Shrikhand.



6.1 Bakery:

During the reporting year, Sumul and GCMMF collectively sold a total of 1805 tons, amounting to a business worth Rs. 25.14 crores. Sumul's bakery division traded a combined total of 1155 tons of Farsaan and Khakhra, generating a total revenue of Rs. 13.99 crores

6.2 Ice Cream Plant:

A total of 95,07,920 liters of ice cream were sold, amounting to 133.86 crores in rupees during the reporting year. This represents a 35.81% increase in ice cream sales volume compared to the previous year. As a distributor, Sumul Dairy sold 1,70,720 liters of ice cream during the reporting year, and in conjunction with other Amul products, achieved a total turnover of Rs 6.56 crores

6.3 Sumul Food Factory - Take Home Ration (Chalthan):

To combat malnutrition by providing nutritious food, this facility was established through the collaborative efforts of Sumul-Amul and the Integrated Child Development Scheme (ICDS-GOG). Under this initiative, the union sold THR products worth Rs. 329.84 crores during the year..

6.4 Dudh Sanjivani Scheme:

Gujarat Government's Tribal Sub Plan and Department of ICDS, supported by the "Dudh Sanjeevni Yojana", provide milk to children attending Ashramshalas, Primary Schools, and Anganwadis in rural areas of Surat and Tapi Districts, as well as Anganwadis in the Surat Metropolitan Municipality. The details of this initiative are as follows:

No.	Details	Number	Number of Beneficiaries
1	Primary Schools / Ashram Schools	1,598	1,61,681
2	Anganwadis	3,562	1,23,985
Total		5,160	2,85,666

Sumul Dairy has undertaken the ambitious task of providing milk to all beneficiaries of the above mentioned Ashramshalas, Primary Schools, and Anganwadis for five days a week throughout the year. This initiative aims to provide essential nutrition to malnourished children residing in rural areas.

No. of. 200ml pouch given in Surat-Tapi District during the year	Total milk given during the year	Granted amount by Government during the year
3,40,69,581	68,13,916.20	34,70,81,570.31

6.5 Visit to Sumul Dairy:

A total of 34,988 children and members from 449 schools and societies in Surat and Tapi city, as well as rural areas, visited Sumul Dairy to learn about milk and milk products.

7.0 Programs for Development of Milk Producers and Milk Societies:

7.1 Automatic Milk Collection Station: (AMCS)

To collect pure and high-quality milk at the society level, we maintain detailed milk records and send prompt SMS notifications. These notifications provide information about the fat content, richness, quantity, and price of the milk supplied to the society by its members. Therefore, we have implemented the 'Automatic Milk Collection System' at the Milk Society level to ensure immediate availability and enhance reliability. Additionally, all the accounting operations of the society are now computerized with modern software, enabling members who sell milk to calculate their earnings at the end of each month. Furthermore, as of March 31, 2023, 1508 Milk Analyzers have been installed in 929 societies to assess the quality and quantity of the milk.

To promptly provide milk procurement information to societies equipped with Bulk Chilling Units or Cans, we have brought 1063 societies online. This allows access to the milk procurement details of these societies and ensures the storage of their milk procurement data. Consequently, in case of any data-related issues, the necessary details can be retrieved from this online platform.

Milk procurement at the milk society level is facilitated through the 'Automatic Milk Collection System (AMCS).' The implementation of the AMUL AMCS software is designed to standardize the milk procurement process across all Milk Societies. With this AMUL AMCS software, members who have registered their mobile numbers in the system will receive daily SMS notifications regarding the milk they have sold. Additionally, various AMUL AMCS applications are available on Android mobile phones for Members, enabling them to access information about their milk sales at their convenience. Furthermore, AMUL has initiated the process of upgrading to the new and improved DOTNET software in AMCS, with 220 societies already having undergone the update. This new software incorporates additional features that can prove highly beneficial to both the society and the union.

No.	Details	2022-2023
1	Automatic Milk Collection System	1467
2	Weighing Scales and Milko Testers	38
3	Weighing Scales	148

7.2 (A) Bulk Chilling Unit (BCU) :

Sumul has set an exemplary standard in maintaining and regulating production quality and the collection and processing of milk. To meet international standards for milk and milk products, it's crucial to source high-quality milk from local milk societies. The Union has installed bulk chilling units of various capacities for this purpose. Milk can be cooled at the society level as well as at the union level, resulting in improved milk consistency. Additionally, the convenience of transporting two to four tankers of milk in a single trip has been arranged. Societies can also collect milk at their preferred times. Immediate cooling of milk prevents the growth of microorganisms, ensuring good milk quality. Currently, the Union receives an estimated 80 to 90% of milk with a MBRT (Methylene Blue Reduction Time) of 5 to 6 hours, allowing us to provide high-quality milk in the market.

Year	Gujarat	Maharashtra	Goa	Total
2021-2022	710	201	15	926
2022-2023	730	219	16	965



Under the NPDD project in Surat and Tapi districts, a total of 26 Bulk Chilling Units (B.C.U), which accounts for 60% of the total, were installed with subsidies, and all of them are now operational. Additionally, during the year, the Union has provided 10 new B.C.U under its own subsidy scheme. This has provided significant relief to the local communities.

7.2 (B) ISO : 9001: 2015 Certification of the Company :

A total of 262 societies received the international standard ISO: 9001: 2008 certificate for their exceptional efforts in improving milk quality and administrative practices until 2015-16. In 2016-17, the ISO version was upgraded to ISO: 9001: 2015. During 2021-2022, Global Sustainability Certificate and Inspection Services (GSCI) audited 523 societies, all of which obtained the updated certificates. Presently, 523 societies are certified to ISO: 9001: 2015, and this certification will be valid until April 2024. In which the societies' chairman, vice chairman, secretaries, committee members, employees and members of society have received excellent cooperation. Currently in our union there are ISO. 9001: 2015 international standard certificated societies as per taluka mentioned below.

No.	Name of Taluka	ISO : 9001 : 2015 Certified Societies (Nos.)
1	Mandvi	104
2	Songadh	100
3	Vyara	73
4	Mahuva	42
5	Dolvan	41
6	Valod	35
7	Umarpada	30
8	Mangrol	31
9	Bardoli	24
10	Uchchhal	18
11	Kamrej	4
12	Olpad	7
13	Ahwa-Dang	1
14	Choryasi	1
15	Nizar	5
16	Kukarmunda	6
17	Palsana	1
Total		523

As of March 31, 2022, all societies with ISO certification were encouraged by the board of directors of Sumul Union, who decided to provide Rs. 5,000 (Rs. Five thousand) as a token of appreciation. This gesture, referred to as a 'petal of the flower,' is a welcome promotion initiated by the management and has significantly boosted the morale of the societies.

The union's management has decided to provide ISO: 9001:2015 certification to all societies with new Bulk Chilling Units (BCU) and those that fall under the BCU category during the upcoming 2023-2024 year. We believe that proper cooperation can be achieved through the Milk Societies for this endeavor.

7.2 (C) Pure milk production:

Milk is a fundamental food commodity, and its quality can be adversely affected if proper care is not taken during production, procurement, and transit. It serves as a raw material for various dairy products such as Ghee, Powder, Butter, Paneer, Curd, Buttermilk, and sweets. The quality of all these products depends on both the production process and the quality of the raw material. When the raw material is of high quality, the finished products are of better quality.

Starting from the stage of milk production by dairy animals, maintaining hygiene is crucial. This includes ensuring the cleanliness and health of the animals, grooming them, keeping the milkman and milking area clean, and maintaining the cleanliness of the cow shed. Additionally, the vessels used for milking and milk acquisition in the company must be kept clean, and all processes should be well-organized and time-bound. This responsibility lies with the manufacturers.

The duty of ensuring the cleanliness of the milk collection area, cleaning the milking vessels, and managing the Bulk Chilling Unit (B.C.U.) at the center falls under the purview of the society administrators. Timely milk collection by the society is essential for maintaining milk quality. Sumul Union is responsible for ensuring the timely and safe transportation of milk to the Union or Chilling Center. This, in turn, has a direct impact on the ease and speed of milk processing at the Union level, resulting in the maintenance of milk quality and the ability to supply high-quality milk and milk products to consumers.

Milk, while being an excellent food for us, is also an ideal medium for the rapid growth of microorganisms, which can quickly deteriorate its quality. Contamination and the growth of microorganisms that lead to milk spoilage can be controlled through member education on Clean Milk Production practices.

In an effort to promote clean milk production, Sumul initiated an incentive scheme in July 2007 for milk from Bulk Chilling Units (BCUs), based on the bacterial load present in the milk. To encourage and improve milk quality, incentives are given based on the number of bacterial loads. For bacterial loads of 0-5 lakh or less, an incentive of 20 paise per liter is provided.

No.	Bacteria lac / ml	Paise / Liter
1	0 to 5 lacs	20 paise per liter

Sumul Dairy is committed to maintaining a hygienic and clean environment within our societies, ensuring the production of high-quality milk. As part of our commitment, the Union organizes various incentive programs to promote cleanliness and quality. One such initiative rewards the top three societies with the lowest bacterial counts over the year, measured since the last Annual General Meeting, as a means of encouragement and recognition.

In the year 2022-23, we are pleased to acknowledge the significant improvements in the production of pure milk within our societies. The top three societies with the lowest bacterial counts for this period are as follows:

No.	Name of Society	Taluka	Bacterial count Lac/ml
1	Kanaghat (Mahila)	Mandvi	1.5
2	Nani Gavachi (Mandvi)	Mandvi	1.8
3	Limdha	Mandvi	1.9



Rooftop Electricity Solar System:

As time progresses, new technologies continue to emerge, bringing with them new challenges that the world will face in the days to come. With these challenges in mind, there is currently a significant focus on green energy. As part of this initiative, Sumul Union has made the decision to implement 'Rooftop Solar Electricity' systems in societies equipped with B.C.U in order to reduce the electricity bills of the Milk Society and maximize the use of clean, green energy. As a result, orders were issued to the Union, and the entire procedure has been successfully completed and the work has been implemented. Efforts were made to execute this within a short period of time. However, many societies have actively participated and taken full advantage of this scheme, demonstrating their commitment to progress in the current year. We encourage all societies to take this forward-looking step. Furthermore, many proactive societies have independently installed 'Rooftop Solar Electricity' systems, significantly benefiting their communities by reducing electricity bills. The management extends hearty congratulations to these proactive societies.

8.0 Dudh Ghar Sahay Yojna:

The essential need for a milk cooperative society is a milk house equipped with proper infrastructural facilities. During the reporting year, a total of Rs. 110 lakhs have been disbursed to 45 milk societies. Additionally, under the government scheme 'Dudh Ghar/Godown Sahay Yojna,' Rs. 30 lakhs have been made available to six milk societies.

8.1 Tree Plantation Programme at Milk Societies:

In consideration of our responsibility to society, the Union annually supplies free saplings and productive plantings in cooperation with Anand Federation and Forest Nurseries. This initiative is driven by the noble intent of environmental preservation and generating income for our members.

During this reporting year, thanks to the active cooperation of 1,066 milk societies, we supplied 875,619 regular saplings and 163,492 fruit saplings. Among the milk unions in Gujarat, we stand second in terms of this initiative.

8.2 Milk Society Business Development Tour Programme:

To promote the development of animal husbandry business, we provide direct guidance to milk producers, highlighting the advantages of adopting essential technologies. The Union's Sumul Cattle Feed Plant in Bajipura, Sumul Sakhi Dairy Farm in Bhanawadi, and a one-day business trip to the Fodder Farm at Bajipura have all furnished valuable information, resulting in highly positive outcomes. As part of this program, the Union facilitated transportation arrangements, and food was provided at a subsidized rate.

During this reporting year, a total of 197 days of business development tour programs were successfully conducted for 204 milk societies, benefiting 11,049 milk producers.

8.3 CD/ICD Programme:

To further enhance the milk business at the society level, various programs have been initiated in collaboration with the Federation of Anand to plan and implement these initiatives.

No.	Details	Program Number	Members Present
1	Goal Setting Workshop (VMS)	104	6,297
2	VMS Review	147	8,530
3	Diva Program	52	3,217
4	Women's Education Program	166	10,883

8.4 Two Cubic Meter Family Size Biogas Scheme:

NDDDB MidraAmlikrut and Sistema Bio Company in Pune, Maharashtra, offer a policy where beneficiaries can obtain a Sistema Bio unit for only Rs. 5,990 (with a Rs. 1,000 deposit), and they can pay in seven interest-free equal monthly instalments. The beneficiary agrees to keep the unit for 10 years. This policy provides multiple benefits for each of our milk-producing families, including financial savings, health benefits, excellent organic fertilizer from 'gobbar rabdi,' environmental improvement, and the best long-term residential gas solution with a 2-cubic-meter capacity and a 10-year warranty period.

Let's achieve self-sufficiency with a biogas plant that can operate for 10 years at the cost of seven months' worth of LPG gas cylinders. In the reported year, 135 units have been successfully commissioned.

We anticipate a total of 25,000 units becoming operational in the coming year, with the hope of cooperation from all the societies and milk producers.

9. Animal Health and Breeding Activities:

In the animal husbandry sector, numerous schemes have been expanded and integrated with modern technology. As part of the digitization of animal care services, a team of 96 expert and experienced veterinary doctors provides comprehensive animal treatment through an online application for animal care available 24/7, 365 days a year. This system maintains an online ledger for animal owners and breeders, providing accurate and instant information about past animal treatments, thus enhancing the quality of our animal care services.

No.	Details	2021-2022 (Number)	2022-2023 (Number)
1	Mobile Animal Clinic route / Zone	27	28
2	Micro veterinary route / Zone		
3	Animal treatment during the year	3,98,381	4,38,665
4	Sp. Veterinary visit	2,69,097	3,00,952
5	Primary animal treatment centre	438	464
6	Primary animal treatment case	9,152	10,393
7	Animal treatment camp	1,125	1,296
8	Cases in Animal treatment camps	1,29,284	1,37,713
9	Artificial insemination centre	438	464
10	No. of Artificial inseminations	4,55,668	4,73,627
11	Pregnancy treatment case	2,78,283	3,04,983
12	Foot & Mouth disease vaccination	2,42,780	3,11,575



13	Theileriosis disease vaccination	6,400	1,035
14	H.S. – B.Q vaccination	1,37,820	2,63,811
15	Anti Rabbies vaccination	722	470
16	Brucella vaccination	14,720	8,492
17	Lampi Skin disease Vaccination	1,09,349	62,931

9.1 “Sumul Sumadhar Laboratory” Activities:

A. “Sumul Sumadhar Laboratory”

Details	2021-2022 (Number)	2022-2023 (Number)
Testing of milk Samples under P.T. Project	46,906	55,168
Other samples (Blood Samples)	2,492	2,883
Cow Bull-Buffalo Bull hereditary checking	28	31

Blood sample Brucella I.B.R Disease, Parentage Verification, T.B. and J.D are tested.

B. Temperature control program in animals (Animal Cooling System):

No.	Details	2021-2022 (Number)	2022-2023 (Number)
1	Animal cooling system	29	23

9.2 “DIPA” Programme (Progeny Testing Program):

Through this program, our aim is to improve the breed of milch animals and their offspring, as well as cow and buffalo bulls, to enhance milk production right at your doorstep.

No.	Details	2021-2022 (Number)	2022-2023 (Number)
1	Working centre	42	45
2	Village included	108	116
3	Artificial insemination	40,802	46,715
4	Female Cow Calf Birth	4,763	4,697
5	Female Buffalo Calf Birth	2,694	2,675
6	Animals covered under milk measurement	4,366	4,761
7	Selected total male calves under PTP of NDDB	405	

In the Progeny Testing Program from December 2021 to November 2022, AI worker Shri Deepakbhai C Patel, working at the AI Centre in Waheval, successfully completed a total of 2025 artificial inseminations in animals with an impressive success rate of 77.18%. This remarkable achievement has earned him the top rank in India among all PT Programs conducted by NDDB. Credit for this accomplishment goes to both the Waheval Milk Society and Sumul Dairy.

9.3 Genomic Selection Programme:

This scheme involves the study of the genetic makeup of animals to assess their milk production capacity. It allows us to determine the milk production potential of calves, as well as the future breeding suitability of bulls by analyzing their genetic traits. Blood samples are collected from cows and buffaloes by measuring the entire rumen's milk. DNA is extracted from these blood samples to analyze their genetic composition. Our union runs this scheme in collaboration with NDDB and GCMMF.

No.	Details	Genomic Selection Program			
		N.D.D.B.		G.C.M.M.F.	
		2021-2022 (Number)	2022-2023 (Number)	2021-2022 (Number)	2022-2023 (Number)
1	Number of cattle covered under milk measurement	4,366	4,761	-	342
2	Number of animals covered under blood sampling	2,059	2,421	-	-

9.4 Animal Genetics of Sumul Dairy at National Level:

Under the DIPA scheme employed by the Union, we select the 'elite herd' of high milk-yielding cattle in our area for mating. These cattle are impregnated with proven semen doses to produce male calves with high genetic potential. So far, we have selected 405 male calves for national-level breeding. This achievement is attributed to our partnership with N.D.D.B, which manages the Sabarmati Ashram Gaushala where semen doses are prepared and used on a national scale.

9.5 Pure Breeding Programme:

With the support of GCMMF - Anand, our union has engaged 26 milk societies in the PBP program. This initiative involves measuring the milk production capacity of animals to identify those with the potential for higher milk production. The offspring of such animals are inseminated with semen doses obtained from premium cow and buffalo bulls, resulting in the production of more heifers with a high genetic profile, ultimately aiming to increase milk production.

No.	Details	2021-2022 (Number)	2022-2023 (Number)
1	Milk societies included under P.B.P.	10	26



9.6 SEX SEMEN (Gender Based Semen Dose):

In this technique, doses are prepared for insemination by selecting X chromosome-containing sperms, resulting in the production of cow heifers and buffalo heifers exclusively. In the current year, we have used approximately 2,667 sex semen doses.

9.7 Embryo Transfer Technique (Embryo Implantation Scheme):

Starting this year, we have introduced a pilot scheme at our Vanskui and Bhanawadi farms as part of our rapid breeding improvement program. In this scheme, we collect multiple ova from the ovaries of high-genetic-structure cows and buffaloes. These ova are then fertilized in a laboratory using sex semen from Proven Bulls, and the resulting embryos are transplanted into other cows or buffaloes. Through this scheme, we can achieve 30 to 35 female offspring from high-quality cows or buffaloes. With technical support from N.D.D.B. this year, a total of 99 animals have been implanted, and we are awaiting the confirmation of their pregnancies.

9.8 "SUMUL" Fertility Improvement Program (FIP Programme):

Since the 2007-2008 financial year, the "SUMUL" Fertility Improvement Program (FIP Program) has been operational with the support of GCMMF Anand. Under this program, various societies select and register adult unproductive animals. These animals are examined and treated in four infertility camps held at 45-day intervals. This program has been highly successful in reducing the burden of unproductive animals among our producers and has effectively made them productive.

No.	F.I.P Year	Density Percentage	Reg. Animal Numbers
1	First	82.20	13,099
2	Second	80.20	14,750
3	Third	80.00	14,796
4	Fourth	80.00	12,675
5	Fifth	79.00	10,068
6	Sixth	78.00	07,546
7	Seventh	78.00	39,011
8	Eighth	76.60	22,494
9	Ninth	75.00	25,727
10	Tenth	72.90	37,225
11	Eleventh	71.95	41,011
12	Twelfth	72.05	47,822
13	Thirteenth	71.46	39,393
14	Fourteen	71.34	44,016

FIP-15

At present 324 societies of our union have been covered under FIP-15 (Fertility Improvement Programmes-15) in which 46,567 animals are registered. Four (04) infertility camps are completed in each society. At present total 33,931 animals observed pregnant out of the total registered animals. It is a plan to cover more 350 societies in 2023-2024 under this programme.

9.9 Productivity Enhancement Program (PEP):

With the support of GCMMF - Anand, 271 milk societies were included in the PEP. This initiative integrated various programs aimed at increasing cattle productivity, including artificial insemination registration, calf registration, calf rearing programs (CRP), and fertility improvement programs.

No.	Details	2021-2022 (Number)	2022-2023 (Number)
1	Milk societies covered under P.E.P	627	671
2	Artificial insemination registration	20,531	24,431

9.10 Calf Breeding Program (CRP):

Calves with favorable genetic characteristics are produced at farmers' doorsteps through artificial insemination, with the support of GCMMF - Anand. After the registration of these calves, the union provides a calf rearing kit (including 10kg milk replacer powder and 50kg calf starter feed), 1kg Sumineral Fort Plus powder, and 100kg Sumul Dan (Elite) along with 2kg Sumineral Fort Plus powder to rear the calves in a phased manner.

No.	Details	2021-2022 (Number)	2022-2023 (Number)
1	Milk societies covered under C.R.P	378	517
2	Calves registered under C.R.P.	23,088	88,008

9.11 Strategic Calf Rearing Program (Strategic CRP):

Calves born under PTP and PEP with high genetic characteristics are selected for rearing under the strategic calf rearing program at Sumul Animal Breeding Centre-Vanskui and Sumul Sakhi Dairy Farm, Bhanawadi. This program, jointly operated by GCMMF, Anand, and Sumul Dairy, Surat, aims to ensure that crossbred calves calve for the first time within 24 months, and deshi calves within 30 months under the strategic calf rearing program.

No	Details	2021-2022 (Number)	2022-2023 (Number)
1	Cross Bred female calves covered under Strategic C.R.P.	17	20
2	Gir female calves covered under Strategic C.R.P.	11	18
3	Calves covered under Strategic C.R.P.	3	9
Total		31	41



9.12 A scheme for the establishment of a dairy farm with 12 milking animals, promoting self-employment through animal rearing business.

To promote animal rearing as a viable business opportunity at the village level, with the aim of generating self-employment and discouraging urbanization, the Government of Gujarat initiated a scheme in the year 2018-19. This scheme provides aid for establishing dairy farms with 12 milking animals. The scheme comprised three compulsory components: the construction of a cattle shed (600 square feet), the purchase of 12 milking animals, and payment of the insurance premium. For these components, the scheme provided a subsidy of Rs. 1.50 lakh for cattle shed construction, covering half of the total investment of Rs. 3.0 lakh. Additionally, there was an 8.5% loan interest subsidy for a period of five years on loans taken, and a subsidy of Rs. 43,200 was available for insurance premium payments. Furthermore, in the optional components, subsidies were available as follows: Rs. 18,000 for a chaff cutter, Rs. 33,750 for a milking machine, and Rs. 9,000 for a fogger system. In the first year, approximately Rs. 3,06,350 in subsidies were earmarked for Scheduled Castes and women beneficiaries per unit. This scheme aimed to install 30 units in Surat district and Tapi district. As of the year 2022-23, the following work has been carried out under the scheme.

District	Approved unit	Unit Established So Far	Total Animal Purchase
Surat	16	11	132
Tapi	11	6	72

9.13 Shri Vajpayee Bankable Scheme:

No.	No. of Societies	No. of Beneficiaries	No. of Cattle	Amount Paid By Bank (Rs.)
1	35	88	332	2,31,92,825

9.14 Sumul Cattle Feed Distribution:

Sumul Cattle Feed Factory in Bajipura is dedicated to meeting essential requirements by producing high-quality cattle feed. Through a combination of scientific modernization and the latest technologies, along with the utilization of all available raw materials and various resources, the factory is committed to ensuring a consistent supply of balanced cattle feed at the lowest possible cost. This commitment involves ongoing inspections and improvements in the related processes and procedures.

Sumul Cattle Feed Factory produces high-quality cattle feed that complies with BIS (Bureau of Indian Standards) standards. Their range of cattle feeds includes products like Sumul Dan Gold Plus, Buffalo Special, Hypro Feed (Bypass Protein Feed), Calf Starter, and Makai Bhardo. These feeds are distributed to societies based on their specific demand.

No.	Details	2021-2022	2022-2023	Average Increase (%)
1	Production Capacity (MT/day)	1,000	1,000	-
2	Average Production (MT/day)	589	595	1.0
3	Annual Feed Sale (MT)	1,68,794	1,82,178	8
4	Sumul Buffalo Special (MT)	4,532	4,073	-10
5	Sumul Hypro Feed (MT)	2,098	2,312	10.2
6	Makai Bhardo (MT)	-	3,431	100

During the current year, over 7,000 dairy farmers from more than 100 societies in the Surat-Tapi district received training at Sumul Cattle Feed Factory to better understand scientific animal nutrition

and feeding practices. The training also emphasized the scientific approach to animal husbandry through providing helpful information to dairy farmers. In the same year, our training center reported successful training outcomes, as detailed below.

No.	Training	2021-2022 (Number)	2022-2023 (Number)
1	Visit at Sumul Dan Factory, Bajipura by Milk Producers for Scientific Animal Husbandry and knowledge of Animal Nutrition.	4,901	11,369

9.15 Cattle Feed Supplements:

(Sumineral Forte Plus, Fercicare Gold, Sumul Milk Shakti Powder)

Mineral Mixture is a blend of various major minerals and trace elements, including calcium, phosphorus, iron, zinc, magnesium, and more. Notably, there is a significant variation in the mineral content of soil in hilly terrains, tribal areas, and coastal regions. The mineral content in the soil has a direct impact on the quality of fodder, which, in turn, affects the health of animals. To ensure the well-being of animals and prevent mineral deficiencies in their bodies, the Mineral Mixture powder plant at the cattle feed plant in Bajipura has been made operational. During this year, the Union has been successful in manufacturing and supplying high-quality Chelated Mineral Mixture, featuring a new formulation, new packaging, and a new flavour, in response to the demands of milk producers through cooperative societies.

To address fertility issues in animals resulting from mineral deficiencies, Sumul Dairy has introduced 'Sumul Fercicare Gold Plus' powder, enriched with bypass fat and chelated minerals and is made available for sale at the society level.

Our dairy farmers have been purchasing expensive and low-quality liquid calcium feed supplements from various companies in the market. To address this issue, Sumul Dairy has initiated the production of a high-quality Liquid Calcium Supplement to make it available to our dairy farmers. Starting from this year, Sumul Nutrimilk Formula (a liquid feed supplement available in 1-liter and 5-liter jars) contains essential components such as Calcium, Phosphorus, Vitamin A, D3, E, Chelated Minerals, and Galactagogue herbals (essences of Satavari & Jivanti). This product aims to prevent mineral and calcium deficiencies in dairy animals post-calving and assist in increasing milk production.

To address the issue of infertility in animals resulting from mineral and vitamin deficiencies, Sumul Dairy has initiated the production of Fercicare Gold Bolus, a medicinal solution. "Sumul Fercicare Gold Bolus" contains chelated micro-minerals, including Copper, Cobalt, Zinc, Manganese, Iodine, and Selenium, as well as Vitamin A, D3, E. In addition to these components, it also incorporates various other beneficial herbal ingredients.

The boluses produced in this production unit can be utilized to address infertility issues in animals from Surat and Tapi districts, ultimately leading to an improvement in the reproductive capacity of milking animals. This, in turn, will ensure the continuation of generations, preserving India's enduring wealth in animal resources.

Sumul Dan Factory in Bajipura produces balanced cattle feed for animals. During the plant cleaning process, waste materials are generated. To make productive use of this waste, Sumul has decided to produce Organic Waste Bio Compost Fertilizer using various bacterial cultures. This initiative aims to provide our farmers with high-quality organic fertilizers rich in nitrogen, phosphorus, potash, and calcium for their crops.

Additionally, the following Sumul products, Sumul Sumineral Forte Plus, Sumul Fercicare Gold Plus, Sumul Milk Shakti Powder, and Sumul Nutrimilk (liquid feed supplement), were distributed from Bajipura.



No	Details	2021-2022 (Number)	2022-2023 (Number)	Average Increase (%)
1	Sumineral Fort Plus (1kg packet)	1,82,167	2,53,124	39 %
2	Ferticare Gold Powder (1kg packet)	1,28,662	1,34,727	4.7 %
3	Sumul Milk Shakti Powder (1kg packet)	35,744	52,470	46.8 %
4	Sumul Nutrimilk Supplement (1Liter Jar)	117	466	298 %
5	Sumul Nutrimilk Supplement (5Liter Jar)	123	698	467 %
6	Fodder Block (14.5 Kg Bag)	18,462	14,428	-21.8 %

Super Bullet Grass (Improved variety of Hybrid Napier Grass):

To ensure a year-round supply of sufficient green fodder for maintaining milk production in cattle, Sumul Dairy has initiated the 'Ek Gram-Dus Fodder Farm' campaign as part of the Super Bullet Fodder Development Program. By March 2023, this program has successfully distributed over 40 lakh Super Bullet stems to more than 10,000 dairy farmers through more than 500 societies, facilitated by Sumul Bajipura Chilling Centre and Vanskui Animal Breeding Centre and Uchchhal Chilling Centre.

સુમુલ ઘાસચારા વિકાસ કાર્યક્રમ

સુપરબુલેટ ઘાસ :- હાઈબ્રિડ નેપીયર ઘાસચારાની એક જાત
નફાકારક ધનુષાસન વ્યવસાય માટે આજના સમયની તાત્કાલિક જરૂરિયાત







1. પોષ્ટિક, રસાળ, વીલોગાર, નરમ, સ્વાદિષ્ટ અને બારેમાસ ચાવી રહેલો ઘાસચારો.
2. પોષણની દ્રષ્ટિએ 1૨ ટ પ્રોટીન, ૨.૫ ટ ફેટ.
3. ઉત્પાદનની દ્રષ્ટિએ-૯૦ થી ૧૦૦ ટન/ હેક્ટર વાર્ષિક ઉત્પાદન.
4. એક સ્ટેમમાંથી ૨૦-૪૦ કિલોગ્રામ ઘાસચારો (૨-૩ વાર્ષિક).
5. ચીમટી, સેરડી તથા અન્ય ઘાસચારાનો યોગ્ય મિશ્રણ.
6. એક સ્ટેમમાંથી ૩૦-૬૦ પીલા (મીઠા વાડપાણી).
7. ૮ થી ૧૦ વર્ષ સુધી અવિરત ઉત્પાદન.
8. પ્રથમ વખત વાવણી પછી ન્યૂનતમ ૫૫%.
9. સાવધેજ તથા બાટ (સુકોચારો) પણ ખાવાથી સંતોષ કરી શકાય.
10. ઘાસચારાની કિંમત ૧૦-૧૨ રૂ.
11. ઘાસચારાની પાતર કિંમત (ખર્ચ) વધુમાં વધુ ૨૫-૫૦ પૈસા/કિલો.

ઘાસચારા વિષે માહિતી

પ્રકાર નેપીયર ઘાસ

પ્રથમ વાર : ૬૦ દિવસે

પછીના દરેક વાર : ૪૫ દિવસે

વપેતમનું માપ : ૩.૫ ફુટ × ૧.૫ ફુટ

પાતલો રંગ : હલકો પીલો

પાતલો લેખા : ઘણો

પાતલો લંબાઈ : ઘણો

ઘાડીયું - ૪૫ દિવસ સુધી પોચું રહે (કટર મશીનથી જરૂર ના પડે)

રોગ જીવલ : નહીં પેત

વાડતો ફળદ્ર : જમીન લેવડે ઘસીને કાપવું.

શીયામણાની દર : ૧ સેકર ૫૦૦૦ કાગા

નિંદામણની દવા : યોગ્ય પદાર્થ પેન્ડીમીથાસીન

મદીના પાણી : ૨૦૦૦ગીલ / એકર/તુલ



9.16 Fodder Development Farm - Bajipura:

Supper Bullet grass was planted in phases on approximately 8 bighas of land at Bajipura Chilling Centre last year, providing high-quality seeds to the livestock keepers associated with Sumul Dairy. A Fodder Demonstration Plot has been established at the Fodder Development Farm in Bajipura to provide information about improved quality in various fodders. During the financial year 2022-23, a total of 1,90,515 stem cuttings of Supper Bullet Grass were sold, benefiting 250 societies and 940 dairy farmers. Additionally, trials of the SSG Maui (Rangila) fodder variety at Bajipura have yielded excellent results. Furthermore, a new research variety of hybrid Napier, Sugar Crane Cross, is currently undergoing trials and, if the results are promising, will be made available to breeders in the near future.

9.17 Sumul Dan/ Sumul Feed Supplement Subsidy:

The Veterinary department of the union supplies Sumul Dan and Sumul Feed Supplements to dairy farmers with subsidies under various schemes, including those implemented by GCMMF and the government.

No.	Details	2021-2022 (Number)	2022-2023 (Number)
1	Total Sumul Dan And Sumul Feed Supplement (M. Ton)	12,333.44	13,121.62
2	Total Amount (Rs. lakh)	3,106.28	3,801.90
3	Total Subsidy (GCMMF/Government) (Rs. lakh)	1,211.97	1,339.69
4	Total Subsidy through Union (Rs. lakh)	1,025.63	1,458.53
5	Contribution of Dairy Farmers Beneficiaries (Rs. lakh)	868.67	1,003.67

9.18 Animal Husbandry Stores:

No.	Details	2021-2022 (Number)	2022-2023 (Number)
1	Electrical Chaff Cutter	714	648
2	Milking Machine	09	04
3	Cow Mat	3,558	4,924
4	Silage Bag	106	334
5	A.I. Crate	212	178
6	Animal Lifting Travis	75	96
7	Electric Chaff Cutter (Repairing)	1,574	1,846

9.19 Sumul Cattle Group Insurance:

The livelihood of our members is jeopardized when their valuable herds of animals are lost due to disease or other unfortunate events. To support their livelihoods, the union maintains an animal insurance scheme. Under this program, a total of 8,508 animals were covered through 3,289 policies, with a premium payment of Rs. 4.25 crore to the insurance company. Upon approval, 986 animal insurance claims were settled, resulting in the payment of Rs. 5.41 crore to our members.



9.20 Sumul Animal Breeding Centre, Vanskui:

Under the Calf Rearing Program, a total of 2,300 heifers have been distributed from this center to date, with an additional 3 heifers grown and distributed during the current year. The Strategic Calf Rearing Program, initiated with the support of GCMMF-Anand, focuses on delivering a crossbred heifer at the age of 24 months, along with heifers of indigenous breeds like Gir or Kankrej, as well as buffalo heifers at the age of 30 months. Over the past 3 years, 45 Gir heifers have been scientifically reared, with 13 crossbred calves observed calving at the age of 29 months. Additionally, 6 Gir heifers calved on average at the age of 18 months, and 6 Gir heifers became pregnant at the age of 18 months on average. These Gir heifers are being raised at the center with a growth rate of approximately 560 grams per day.

No.	Distributed Cow / Buffalo Bulls	2019-2020 (Number)	2020-2021 (Number)	2021-2022 (Number)	2022-2023 (Number)
1	H.F. Hybrid Bulls	01	00	00	00
2	Gir Bulls	07	08	11	18
Total		08	08	11	18

During the year, a total of 1,811 bags of vermicompost fertilizer, 104 kilograms of earthworms, 15,702 liters of Gir cow urine, 4,572 kilograms of vermicompost residue, and 6,575 kilograms of Gir cow dung were distributed. Additionally, improved hybrid varieties of fodder stem cuttings, such as 25,095 Super Bullet grass stems, 67 kilograms of Jinjva grass with high protein, were provided to various society members within the union's catchment area. Throughout the year, visitors from various organizations and societies came to seek guidance and direction on scientific animal husbandry.

9.21 Sumul Cow Bull/ Buffalo Bull Rearing Centre, Vanskui:

A total of 21 breeding bulls with high genetic merit were distributed from the Vanskui Centre to various societies within the Union's jurisdiction. Additionally, 16 Gir calves were provided to support organic farming in Umarpada Taluka. High progeny from 4 HF hybrids have been sold for the production of semen doses at the semen station at Panchamrut Dairy in Godhra. Currently, the center is scientifically raising a total of 55 male cow calves and male buffalo calves with high genetic merit.

No.	Distributed Cow/ Buffalo Bulls	2021-2022 (Number)	2022-2023 (Number)
1	H.F. Hybrid Bulls	17	15
2	Murrah X Pada	07	09
3	Gir Bulls	05	17
Total		29	41

9.22 Sumul Sakhi Dairy Farm - Bhanawadi:

Women who are part of the 'Women Saving Groups' managed by the union have found opportunities for employment at their doorstep by embracing animal husbandry. This endeavor is aimed at achieving financial progress. In March 2020, a community dairy farm known as the 'Sumul Sakhi Dairy Farm' was established in Bhanawadi, Ta: Vyara, Dist. Tapi. Throughout this year, members from various organizations and societies have visited the farm to seek guidance and witness demonstrations on scientific animal husbandry practices.

No.	Details	2021-2022 (Number)	2022-2023 (Number)
1	Total Milching Animals	118	134
2	Total Female Cow Heifers	55	70
3	Total Female Buffalo Heifers	22	24
4	Women of the Working Savings Group	30	30

9.23 Integrated Dairy Development Programme (IDDP):

A scheme, approved by the Tribal Development Department of the Government, operates within the catchment area of Sumul Dairy to provide assistance to Below Poverty Line (BPL) and tribal beneficiaries for the purchase of milching animals and the establishment of infrastructural facilities in a phased manner. To date, a total of 22,648 milching animals have been distributed through the organization of 'Animal Fairs' in the vicinity. Under this scheme, subsidies totaling Rs. 63.46 crore have been disbursed in Surat and Tapi districts.

In the current year, a total of 1,101 milching animals were distributed as part of this scheme, including tribal beneficiaries who were supported in entering the milk production business with a subsidy of Rs. 495.19 lakh. Each unit received an assistance of Rs. 45,000, which covered animal insurance premiums for three years, Sumul Dan, and training expenses in the form of subsidies."

No.	Details	2021-2022 (Number)	2021-2023 (Number)
1	Purchasing of Animals (Number)	2,059	1,101.00
2	Subsidy Amount (Rs. in Lakh)	667.1	459.19
3	Loan Amount (Rs. in Lakh)	411.8	247.67

9.24 Artificial Insemination Training Centre:

In the Artificial Insemination Training Centres operated by the Union, trainees not only from within our Union's Catchment Area but also from various organizations across the state come to receive training. These training centers provide high-quality theoretical and practical education in artificial insemination. Additionally, the Union offers information on various schemes related to animal husbandry to strengthen the foundational work at the village level and make it more sustainable. During the training, valuable information is shared with trainee dairy farmers, encompassing a scientific approach to animal husbandry.

No.	Training	Days of training	2021-2022		2022-2023	
			Sumul	Others	Sumul	Others
1	Artificial insemination and First Aid treatment of animals	42	33	11	39	05



9.25 Under progressive entrepreneurship development programme a step towards commercial dairy farming:

To achieve success in any business, it is essential to have foundational training. In our region, milk producers are involved in this business by raising a substantial number of milching animals. To make dairy husbandry a profitable venture, it's crucial to leverage the experiences of successful milk producers and incorporate technical guidance from experts to maintain scientific standards. By encouraging these milk producers to expand their businesses and become role models for others, a five-day intensive training program has been designed. This program includes a comprehensive technical manual and, for a more practical understanding, visits to large and successful dairy farms in other districts have been given top priority by the Union.

In our area, there are 331 milk producers who supply more than 50 liters of milk are included in this program. Each month, experts from our union offer on-site farm consultancy during their visits to these farms to improve the profitability of animal husbandry businesses. We are moving forward with a clear vision, intending to include more such milk producers in the coming years, with the potential to double their income.

No.	Details	2021-2022 (Number)	2022-2023 (Number)
1	Number of Trainees	251	331

9.26 Sumul Animal Loan Scheme:

To boost milk production and promote animal husbandry businesses, the union has initiated several animal loan schemes. Detailed information about these schemes is provided in the following table.

1. Sumul-Sudico Dudh Ganga Pashu Loan Yojna:

No.	Details	2021-2022 (Number)	2022-2023 (Number)
1	Societies	352	341
2	Beneficiaries	7,142	4,907
3	Animals Distributed	7,147	5,159
4	Amount paid towards loan (Crore)	46.84	33.39

9.27 Sumul-Sudico Cow Heifer/ Buffalo Heifer Scheme:

The rearing of cow heifers and buffalo heifers is an essential component of a profitable animal husbandry enterprise. To encourage the scientific rearing of cow and buffalo heifers, prevent losses in animal purchases, mitigate fraud, and increase the population of high-quality livestock, we have introduced this scheme in collaboration with the Surat District Coop Bank. Under this scheme, 900 kg of Elite Dan and 18 kg of mineral mixture are provided per cow or buffalo heifer in phases. The total cost of this support amounts to around Rs. 20,000, which is being offered by the Surat District Coop Bank at a nominal interest rate of 8%. The interest is shared by Sumul and the Surat District Coop Bank, with the aim of accelerating cow and buffalo heifer rearing by providing interest-free feed to dairy farmers. In the current year, the scheme has incorporated 185 cow and buffalo heifers from members belonging to 91 societies.

No.	Details	2021-2022 (Number)	2022-2023 (Number)
1	Milk Societies Covered	061	019
2	Cow /Buffalo Heifers Covered	596	185

9.28 I-Khedut Portal Facility Assistance Project:

Through the I-Khedut Portal Facility, the Animal Husbandry Department of the Gujarat state provides the following subsidies and assistance to milk producers in both of our district.

Se. No.	Name of Scheme	2021-2022		2022-2023	
		No. of Machinery	Assistance Rs. (Lakh)	No. of Machinery	Assistance Rs. (Lakh)
1	Power Driven Chaff Cutter	162	029.16	162	30.24
2	Milk House	01	05.00	02	10.00
3	Godown	00	00.00	04	20.00

9.29 Mastitis Prevention Programme (MPP):

Mastitis is primarily observed in milch animals, particularly in high-yielding ones. Generally, if our milk producers can diagnose mastitis before it becomes clinically apparent, it can prevent the loss of the animal, the milk from a particular lactation, and significant financial losses for the milk producer. This is why our union has initiated this crucial program with the support of GCMMF-Anand.

In this program, milk producers can diagnose subclinical mastitis themselves, allowing for immediate preventative measures. More than 50% of the animals covered by this program are diagnosed with this disease before symptoms appear, enabling us to prevent losses to the animals and the financial losses of our producers.

No.	Details	2021-2022 (Number)	2022-2023 (Number)
1	CMT test of milk sample done by member (first round)	38,627	39,953
2	CMT test of milk sample member observed Positive (first round)	24,238	23,536
3	CMT test per animal	2,46,050	2,34,737
4	Animal under CMT test (first round)	1,44,921	1,39,898
5	Positive animal in CMT test (first round)	1,02,824	94,569
6	Animal under CMT test (second round)	1,01,129	94,525
7	Positive animal in CMT test (second round)	39,601	28,435
8	Trisodium citrate given to animal	1,36,116	1,09,300
9	Improvement in animal after Trisodium citrate given	63,223	66,134
10	Improvement in animal after Trisodium citrate given (percent)	61.48	69.93



9.30 Ethnovet Programme (EVP):

With the assistance of GCMMF, Anand, the Ethnovet Program has been implemented in our operational area within the union. The Ethnovet practices have been introduced to minimize the use of antibiotic medicines in animal treatment and promote the production of high-quality milk.

No.	Year	2021-2022 (Number)	2022-2023 (Number)
1	Total cases under E.V.P.	1,150	2,161

9.31 Mass Deworming Campaign:

During the rainy season, there is an increased incidence of diseases in animals caused by internal parasites (worms). These parasitic infections lead to reduced milk production, slow body development, weakness, diarrhea, indigestion, and issues related to infertility. To combat these diseases, deworming tablets/boluses are distributed as part of a mass deworming campaign, with the union providing a 50% subsidy.

No.	Details	2021-2022 (Number)	2022-2023 (Number)
1	Deworming Tablets/Bolus (No.)	1,50,332	3,31,633
2	Total amount (Rs.)	6,35,792	59,69,401
3	Subsidy amount (Rs.)	1,53,318	26,31,762

9.32 Silage:

The importance of storing green fodder for an extended period while maintaining its nutritional value is widely recognized. It is imperative that we make swift progress in this direction. Green fodder is a convenient and cost-effective source of nutrients for dairy cattle, especially considering the continuous rise in the price of various feed ingredients and their decreased availability. However, to ensure a consistent supply of green fodder, the conservation of green cover is essential. One excellent method for achieving this is by creating "silage" which guarantees a regular and high-quality fodder supply throughout the year, particularly during periods of fodder scarcity. Silage serves as a preserved form of green fodder.

Below is the list of self-made Silage as per Taluka.

No.	Name of Taluka	Silage M.T.
1	Bardoli	20
2	Mandvi	28
3	Valod	93
4	Dolavan	02
5	Vyar	14
6	Kamrej	08
7	Olpad	32
8	Palasana	40
Total		237



**49th Indian Dairy
Association Conference,
Gandhingar**

**Sumul Dairy Store
At Go-Tech Expo,
Rajkot**



**The most popular
And nutrient rich fodder
i.e Silage made from Corn
(Bales 60 kg)**

**Most Sweet Variety
of SSG seeds
“Rangila” (Multicut)**





10. Quality Assurance, Quality Control and I.S.O. System:

A dedicated laboratory has been built at the entrance of Sumul-2 for the testing of both milk and non-milk products, including sugar, protein, fat, and more. During the analysis, chemical fumes are generated, which can be harmful to human health. However, an exhaust duct has been installed to promptly remove the fumes, ensuring the safety of the chemists working in the lab.

To conduct chemical analyses of non-milk products, we have equipped our lab with modern tools such as the Gerhardt protein analyzer and a Soxhlet apparatus for fat titration.

At the main laboratory of the institute, a dedicated and independent cold storage facility has been built for the storage of control samples of milk and various milk products. Previously, a temporary setup had been in operation for several years within the department, but the new facility now ensures safe and secure storage of control samples.



Exhaust facility સાથેની લેબ



Soxhlet Apparatus



Gerhardt પ્રોટીન એનેલાઇઝર



લેબ કોલ્ડ સ્ટોર

10 (a) Quality Management System: (ISO 9001:2016):

To meet international standards for food safety, our union achieved ISO 9002:1994 certification by implementing a Quality Management System as early as the year 2000. This system was further updated to the ISO 9001:2000 standard in the same year. In 2008, both Sumul Dairy in Surat and the Lahe Plant in Nashik were certified under the ISO 9001:2008 standard.

To maintain quality, it is essential to remain vigilant throughout various stages, including cattle care, milk society operations, Bulk Chilling Units, Chilling Centres, and milk transportation. During all of these activities, it is necessary to take precautions and exercise care to ensure that

good-quality milk is made available to customers. In October 2013, our Navi Pardi Centre also obtained ISO 9001:2008 certification. Since January 2017, the Navi Pardi Centre has been certified under the updated ISO 9001:2015 standard.

We have continuously improved the quality of milk step by step. At the rural level, six societies received ISO 9001:2000 certificates in 2005. In April 2010, an additional 26 societies were awarded ISO 9001:2008 certificates. Then, in April 2011, a survey was conducted by 'Sai-Global, Australia' at 49 milk societies, and all of them received ISO 9001:2008 certificates. In the year 2013-14, another 50 societies were certified under the ISO 9001:2008 standard, adhering to the quality management system.

All Bulk Chilling Units (BCUs) have been certified under the new standard ISO 9001:2015 since March 2017. In the year 2018-19, over 50 societies were awarded ISO 9001:2015 certificates within the quality management system, bringing the total number of societies with this certification to 523 by the year 2020-21. An additional 80 societies are set to be certified with ISO 9001:2015 in the year 2021-22.

Sumul Dan Factory, Bajipura got awarded ISO: 9001:2015 certificate by implementing Quality Management System.

10 (b) Food Safety Management System: ISO 22000:2018 and FSSC:

In the year 2000, we took a significant step towards maintaining international food safety standards by obtaining the Codex (HACCP9000) certificate.

In 2006, we took a significant step towards ensuring food safety by implementing a system similar to the ISO Standard 22000. This effort resulted in receiving a certificate in November 2008. Furthermore, in March 2014, all four Chilling Centres received certification under ISO 22000:2005 for food safety management. As per the Food Safety Act and standard of 2006, our responsibility extends from 'Grass to Glass.' To guarantee that our milk is free from harmful elements that could affect health, Sumul Dairy in Surat and the Lahe Plant in Nasik both received ISO 22000:2005 certification. In the year 2020, the THR plant was also certified under ISO 22000:2018.

Sumul Dairy Surat, as well as Sumul Dairy Navi Pardi (comprising the Bakery, Powder Plant, and Ice Cream Plant), have both been awarded ISO 22000:2018 certificates by implementing a Food Safety Management System. These entities have also obtained FSSC 22000 international standards certification for export purposes starting from 2019.

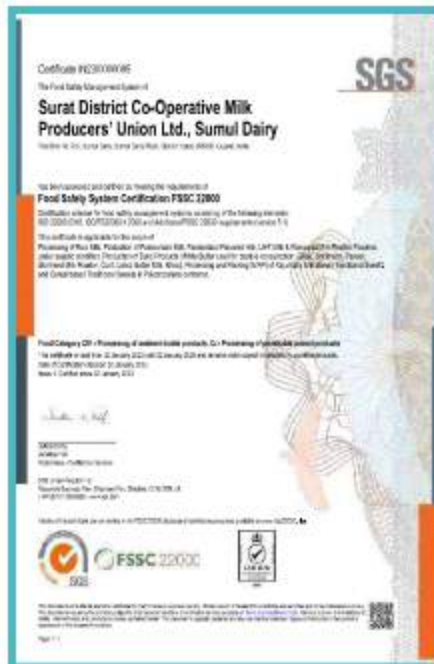
With the aim of ensuring food safety in the final products and achieving high customer satisfaction levels, the glass and jewelry policy has been revised. This policy is grounded in regulations applicable to small dairy products, with the goal of minimizing the risk of foreign objects, including glass, metal, jewelry, soft plastics, and hard plastics.



10 (c) Environment Management Systems: (ISO 14001:2015):

Our organization is environmentally conscious and committed to controlling pollution and protecting the environment. We have been certified with the Environmental Management System, ISO 14001:1996, since 2002. In May 2006, we modernized the Environmental Management System to adhere to ISO 14001:2004 standards and renewed it until 2014. In March 2014, it was re-evaluated and updated to comply with ISO 14001:2004. Currently, it has been re-evaluated and updated in accordance with ISO 14001:2015.

We have achieved significant environmental milestones across various domains. We have utilized natural resources, such as electricity and water, judiciously. Our efforts in saving electricity and energy have earned us the National Energy Conservation award seven times. In the realm of tree planting, we have planted 354 saplings of both small and large trees. Moreover, in alignment with this, the union has facilitated a total of 10,35,431 tree plantations at the village-level societies of Surat and Tapi districts. This accomplishment signifies our role as an eco-friendly partner and contributes to a world record. It is a crucial step towards enhancing environmental wealth. To ensure a better environment for future generations, we require the cooperation and involvement of all our cooperative friends.



10 (d) Management System (ISO) Training:

We conducted external training in manure protection and quality management, with a total of 45 employees from various departments, including Dairy Plant, Engineering, Lab, Marketing, Purchase, and HR, participating in ISO/FSSC 22000 Awareness Training provided by DNVGL.

We have provided ISO 45001:2018 (OH&S) training in accordance with the new standard through Internal Auditor, Lead Auditor, and Awareness training by BUREAU VERITAS. A total of 43 employees from Sumul Dairy have been appointed as Internal Auditors (OH&S) as a result of this training.

Occupational health and safety management system/structure: ISO 45001:2018

To ensure safe and healthy working conditions for all employees, ISO 45001:2018 (Occupational health and safety management systems) has been established at Sumul Dairy, Surat on 29th November 2023, Certificate No. ISO 4500: 2018.

This system leads to fewer workplace injuries and illnesses through a proactive approach to hazard identification and risk assessment, which improves organisational health and safety. This system also helps to demonstrate that we have taken every critical step to protect the workers by removing ineffective practices which help the employees to do more work in the stipulated time due to effective systems.

10 (e) Food Safety Training and Certification (FOSTAC Training):

As per food safety standard and regulation, there should be at least one food safety supervisor for every 25 food handlers, in which about 125 employees from all units have been trained in Sumul Dairy till 2021. This year milk procurement societies were also included in this FOSTAC training to implement clean milk production practices in "Swachh 2022" and a total of 563 members of various societies have been covered.

11. New Projects & Expansion Activities:

By the Surat-Tapi District Cooperative Milk Producers' Union Ltd., Sumul Dairy Surat, the activities of milk procurement and milk distribution are increasing continuously; to accelerate milk processing and to introduce new products in the market and to increase handling capacity of the plant, milk/butter milk/products, by the use of machineries with well advanced technology, the expansion work in phase manners done in different departments. Details are in short as follows.

- At Sumul Dairy Surat, in the Sweet Department, a New Penda Forming Machine and a Kaju Katri Sheeting Cum Cutting Machine have been installed and commissioned.
- At Sumul Dairy Surat, a water softening plant with a capacity of 50 cubic meters per hour has been installed and commissioned in the water supply system.
- At Sumul Dairy Surat, a Sanjeevani Milk Pasteurizer with a capacity of 5,000 liters per hour has been installed and commissioned.
- At Sumul Dairy Surat, a 10,000-liter-per-hour RO plant for the boiler section has been installed and commissioned.
- At Sumul Dairy Surat, a cold storage facility with a 100-ton capacity has been installed on the ground floor of a new store building for the storage of sweets.
- At Sumul Dairy Surat, a cold storage unit has been installed and operationalized in the APS Building for the storage of laboratory control samples.



- ★ At Sumul Dairy Surat, an order has been placed for the purchase of a new continuous single-line linear curd filling machine with a capacity of 9,000 cups per hour for the Curd Department. The machine will be installed and operational soon.
- ★ At Sumul Dairy Surat, a new ground + 3 floor building has been constructed for the storage of packing materials of various by milk products like Curd, Paneer, Sweets, Ghee etc., as their sales is increasing.
- ★ At NaviPardi Dairy, a part of Sumul Dairy Surat Union, in order to meet the federation's demand for the production of table butter, a second cannon, a salt dosing system, and a color dosing system were installed and commissioned in the "Simon" French-made Continuous Butter Making Machine.
- ★ At NaviPardi Dairy, two machines from Benheer Germany for packing table butter in 100 and 500 grams have been installed and are currently in the process of being commissioned. This will facilitate the supply of 100-gram and 500-gram table butter under the Amul brand, in accordance with the federation's requirements.
- ★ At NaviPardi Dairy, a part of Sumul Dairy Surat Union, in accordance with the letter from the Federation and under the Government of India's P.L.I. Scheme-1, the capacity of the ice cream plant has been increased from 20,000 to 50,000 liters. This involved the installation of necessary civil works and machinery, which are now operational. This expansion will enable us to increase ice cream production capacity, ensuring that we can supply ice cream to the federation according to their requirements.
- ★ At NaviPardi Dairy, a part of the Sumul Dairy Surat Union, in alignment with the Federation's directive and the Government of India's PLI under Scheme-2, the ice cream plant's capacity is set to increase from 50,000 liters to 1 lakh liters per day. This expansion will be realized through the installation of the necessary infrastructure and machinery, and it is expected to become operational within a short period. This expansion is anticipated to double the turnover of the ice cream plant, resulting in an increase in income for the society's members.
- ★ At NaviPardi Dairy, a part of the Sumul Dairy Surat Union, orders have been placed for the purchase of the necessary machinery to manufacture wafer cones, in accordance with the Federation's letter. This machinery will be installed and operational by the end of 2023. The produced cones can be put to use, and any excess cones can be distributed to various unions as per the federation's requirements.
- ★ At NaviPardi Dairy, a part of the Sumul Dairy Surat Union, an Effluent Treatment Plant with a capacity of 15 lakh liters has been installed, and trials have commenced.
- ★ At NaviPardi Dairy, a part of the Sumul Dairy Surat Union, a new parlour is soon to become operational. It will be situated on New Pardi Road with the aim of boosting the sale of Sumul products.
- ★ At NaviPardi Dairy, a part of the Sumul Dairy Surat Union, the construction of a powder godown with a capacity of approximately 3,000 metric tons has been completed and is now operational.
- ★ At NaviPardi Dairy, a part of the Sumul Dairy Surat Union, an approximately 4,000 MT butter godown has been completed, along with the installation of refrigeration machinery and puff panels for deep cold refrigeration utility. One deep freeze butter cold room is already operational, and another will be soon.
- ★ At NaviPardi Dairy, a part of the Sumul Dairy Surat Union, the Liquid Milk Processing Plant is currently operational with a capacity of 3,50,000 LPD. This operation involves the separation of cream and skim milk from milk. The skim milk is directed to the powder plant, while the cream is supplied to the Ice Cream Plant. The excess cream is utilized in the production of white butter. This efficient process has led to a reduction in transportation costs and a decrease in the overall load of liquid milk processing in Surat.
- ★ At Sumul Dairy Surat, orders have been placed to install rooftop solar power systems ranging from 6 kilowatts to 30 kilowatts, in accordance with the society's needs. This installation is expected to be completed within approximately three months from the time of ordering. Furthermore, technical planning for the installation of ground-mounted solar power plants, in compliance with Solar Policy-2021, is underway for Sumul Dairy Surat, NaviPardi Dairy, T.H.R Plant, and Sumul Dan Factory Bajipura.

11.1 Future Projects:

- At Sumul Dairy Surat, it is decided to go ahead with the expansion of refrigeration Plant.
- At Cattle Feed Plant Bajipura, the construction of Dan godowns is under consideration. These godowns will enhance the raw material storage capacity and allow taking advantage on seasonal price fluctuations.
- At Cattle Feed Plant Bajipura, a part of the Sumul Dairy Surat Union, it has also been decided to proceed with the construction of a parlour along the highway.
- At Sumul Lahe Plant, a part of the Sumul Dairy Surat Union, it has been decided to proceed with the expansion of the Refrigeration Plant and the associated electrical and mechanical work.

Achievement

- Sumul Dairy, Surat Union has received another ISO certificate ISO 45001: 2018(OHSAS) Occupational Health and Safety Management System.

12. Expression of Gratitude:

Both the Central Government and State Government have extended their support for the development of our union, milk societies, and milk producers. In response to this invaluable support, we extend our heartfelt gratitude to the Prime Minister, the Chief Minister, and all government officials. We are also thankful to the Chairman and the In-charge Managing Director of the federation, as well as the Chairmen, Managing Directors, and General Managers of member unions who have consistently provided their guidance, support, and cooperation.

Our deep appreciation goes to the Chairman and Managing Director of the National Dairy Development Board, who has offered guidance whenever required, for which we are truly indebted and grateful.

The State Government and its various departments, particularly the Animal Husbandry and Cooperative departments, the District Registrar of Surat, the Tribal Sub-Plan of Mandvi and Songadh, the Surat and Tapi District Panchayats, and various Taluka Panchayats, have extended their cooperation, and we express our sincere thanks to them.

We also acknowledge the cooperation we have received from the District Registrar, Special Auditor (Milk), the Milk Audit Office in Surat, Chartered accountant Modh & Co., officers from the Surat District Cooperative Bank, other cooperative banks, Nationalized Banks, Surat Municipal Corporation, Torrent Power Ltd., Gujarat Gas Co., and the Mahidharpura Police Station.

We take immense pride in acknowledging the valuable support of our cherished customers, milk distribution agents, transport contractors, and vendors who have also extended their cooperation.

Furthermore, we are grateful to the management of Milk Cooperative Societies and their dedicated staff and members for their unwavering support in our operations and the implementation of various extension programs.

Lastly, we would like to express our heartfelt thanks to our Board Members of the Union for their consistent cooperation, which has significantly contributed to our success. We proudly recognize the contributions of the In-charge Managing Director, Shri Arun H. Purohit, as well as the officers and staff members of the union in the operation and progress of our organization. Their contributions have played a vital role in our achievements, and we are wholeheartedly thankful for their dedication.

Yours Cooperative
Mansinghbhai Kalyanjibhai Patel
Chairman



INDEPENDENT AUDITOR'S REPORT

To, The Members of Surat-Tapi District Co-operative Milk Producer's Union Ltd.

Report of Financial Statements

We have audited the financial statements of Surat-Tapi District Co-operative Milk Producers' Union Limited, Surat which comprise the Balance Sheet as on 31st March 2023, Profit and Loss Account and Cash Flow Statement for the year ended 31st March 2023, and a summary of significant accounting policies and other explanatory information.

Management's Responsibility For The Financial Statements

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance and cash flows of the Union in accordance with the Accounting Standards issued by Institute of Chartered Accountants of India (ICAI). This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement. An audit involves examining on a test basis, performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal controls relevant to the Union's preparation and fair presentation of the evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimated made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Report On Other Legal And Regulatory Requirements

- (a) We have obtained all the information and explanation which to the best of our knowledge and belief were necessary for the purpose of our audit.
- (b) In our opinion proper books of account as required by law have been kept by the Union so far as appears from our examination of those books.
- (c) The Balance Sheet, Profit and Loss Account and Cash Flow Statement dealt with by this Report are in agreement with the books of account.
- (d) In our opinion, the Balance Sheet, Profit and Loss Account and Cash Flow Statement comply with the Accounting Standards issued by the Institute of Chartered Accountants of India (ICAI).

Opinion

In our opinion and to the best of our information and according to the explanations given to us, the financial statements give the information as required, so give a true and fair view in conformity with the accounting principles generally accepted in India Subject to "Notes to Accounts" and "Qualification" appearing in Audit Report.

- (a) In the case of the Balance Sheet, of the state of affairs of the Union as at 31st March 2023.
- (b) In the case of Profit and Loss Account, of the profit of the Union for the year ended on that date.

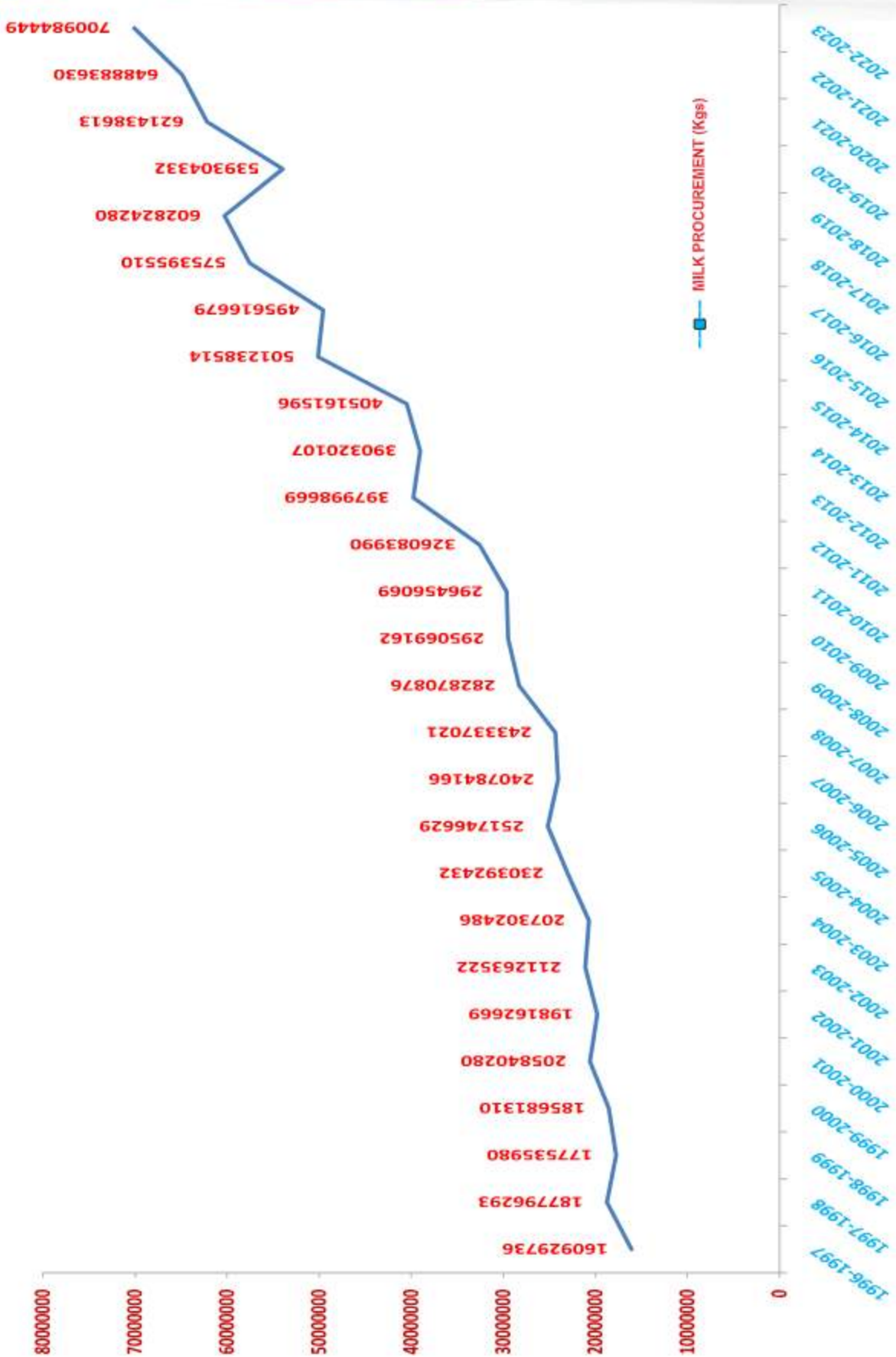
Modh And Co., (Chartered Accountants)

C. A. Kunjal Modh –Proprietor
Firm Reg. No. 129480W,
Membership No. 129714, Penal No.SUR/CA FIRM/9, Surat
Certified Auditors (Co-operative Societies)
UDIN:23129714BGVQVS9691
Date : 08/07/2023, Place : Surat

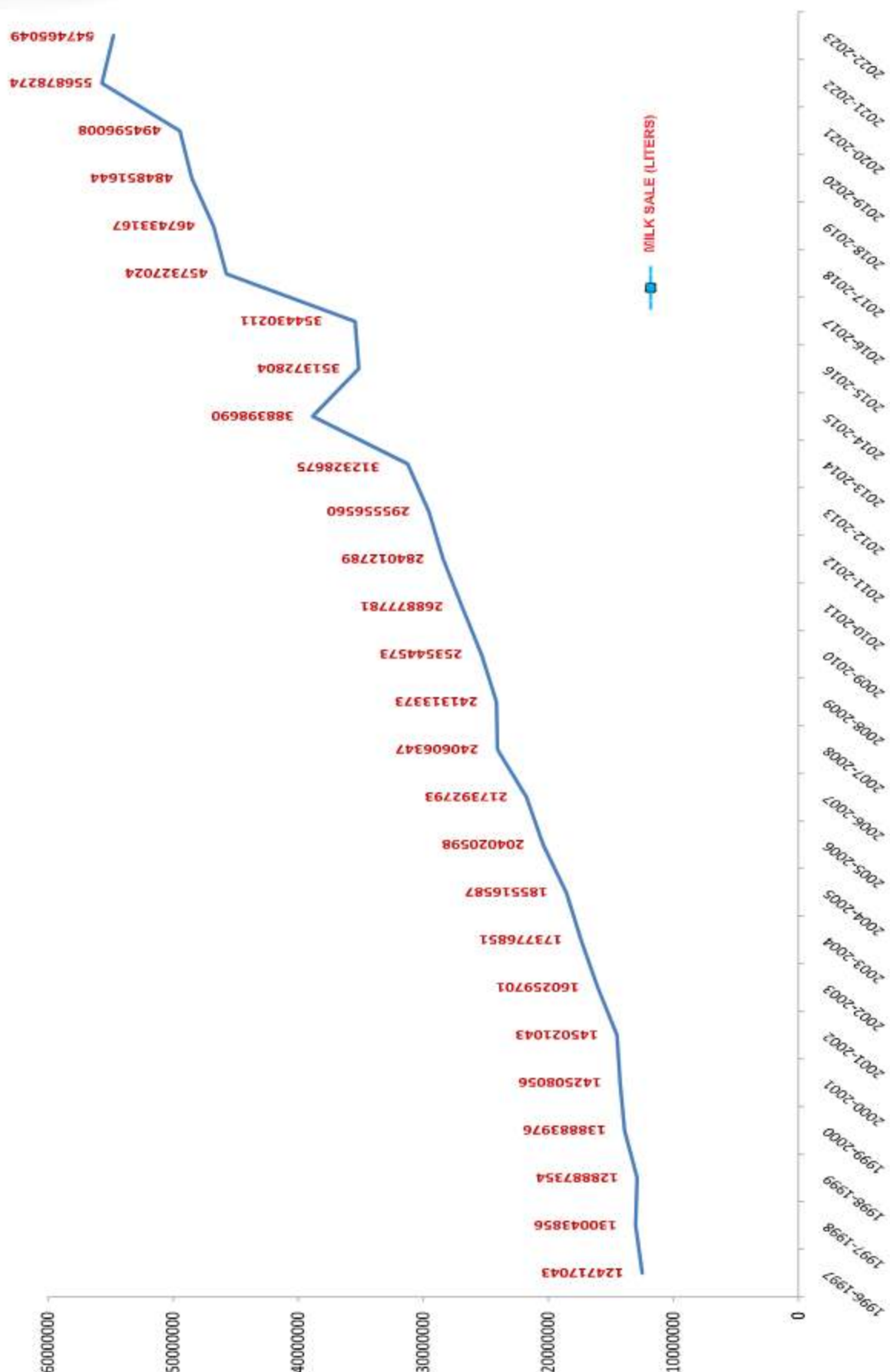
Shri D. M. Patel
Shri Special Auditor (Milk),
Milk Audit office, Surat



MILK PROCUREMENT (Kgs) FROM 1996-1997 TO 2022-2023

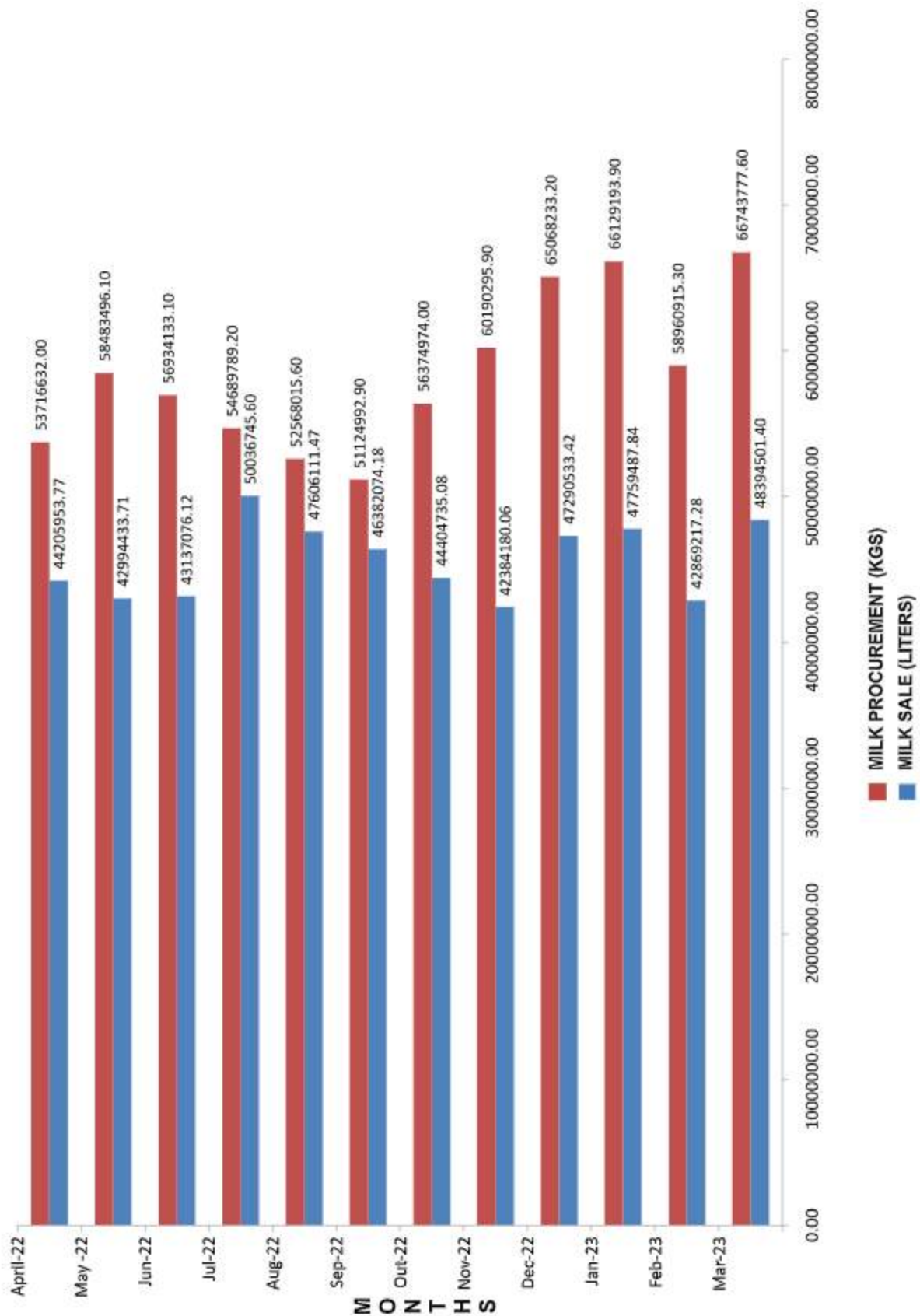


MILK SALE (LITERS) FROM 1996-1997 TO 2022-2023

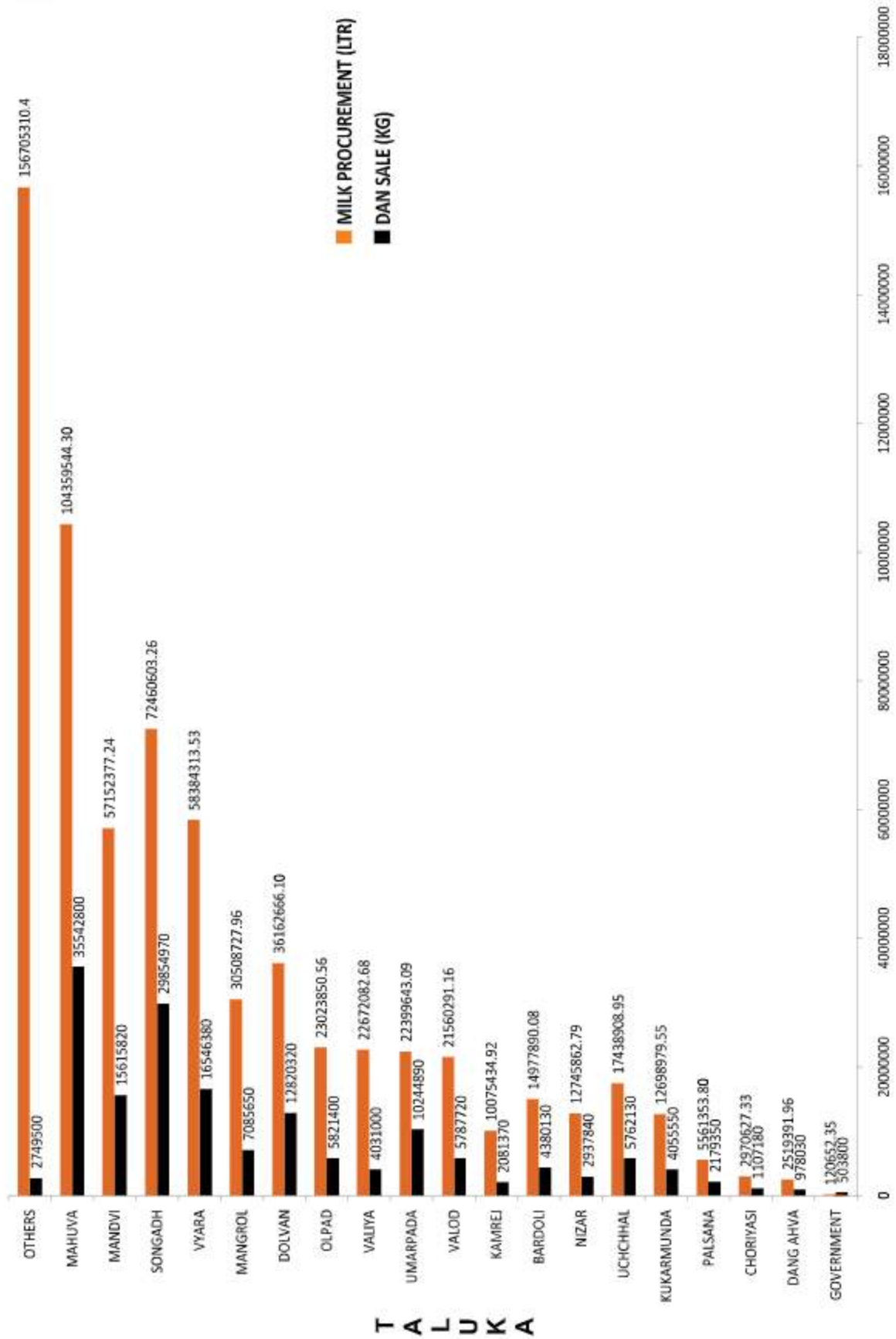




MILK PROCUREMENT (Kgs) V/S. MILK SALE (LITERS) (2022-2023)



TALUKA WISE MILK PROC. (LITERS) V/S. CATTLE FEED SALE (KGS.) (2022-2023)





Amendment by Law

BY-LAW NO	Current rule	Proposed amendment	New rule after amendment	Reason for amendment
Definition. Section-4 (1)	In merchandise includes milk, milk products, animal and poultry feed, original or modified agricultural produce, dairy and food packaging materials, equipment and machinery.	Commodities of trade include milk products, animal and poultry feed, original or transformed agricultural products, organic/organic agricultural products, dairy and food packaging materials, equipment and machinery.	Commodities of trade include livestock products, animal and poultry feed, native or transformed agricultural produce, organic farm produce, dairy and food packaging materials, equipment and machinery.	Due to actions taken by MOFP of the Central Government in guidelines for setting up a new cistern testing laboratory under PMKSY.
Purposes. Section-5(1) Note (1)	Agricultural products other than milk and milk products. Carrying out of life necessities and other consumer oriented activities and for that purpose manufacturing, acquiring, purchasing, repackaging, distributing and distribution marketing of wholesale and retail products and carrying on by member societies. Assisting in incoming customer oriented activities through purchasing and distribution operations. In that part obtained permission from the Registrar	Union milk and milk products as well as all agriculture produce, produce, organic/farm produce, life necessities and other consumer oriented activities and acquire, manufacture, purchase, repackaging, aggregating, converting, manufacturing, pledging, bartering and selling of all these for wholesale and retail trade as well as In order to provide a large market for these products, marketing, packaging, distribution of the products will be arranged and all other necessary operations will be carried out. May sell these products to other member organisations and others In that part obtained permission from the Registrar	The association will carry out milk and milk products as well as all agricultural products, organic agricultural products, necessities of life and other consumer oriented activities and all these for wholesale and trade acquisition, production, purchase, repackaging, aggregation, conversion, manufacturing, transportation, Exchange and sale and marketing, packaging, distribution of the products and all other necessary operations to provide a wide market for these products. The member societies will carry out purchase, packaging, distribution, marketing of the products made by customer oriented and for that. Will also set up stores and sell these products to other member societies and others. In that part obtained permission from the Registrar	Due to the strictures made by the central government's MOFP in the guidelines for setting up new cistern testing laboratories under PMKSY.

BY-LAW NO	Current rule	Proposed amendment	New rule after amendment	Reason for amendment
Purposes Section-5(1) Note (2) A new clause	Pooling of acquired dairy and other farm produce will be done. The price of pooled milk/other farm produce will be provisionally adjusted at the end of the year after deducting transaction, provision and purchase expenses of the union and will settle the final price and pay the final account.	Purchased milk/other farm produce/Organic farm produce will be pooled Pooled milk/other farm produce Organic/Organic farm produce will be paid on a provisional basis. At the end of the year, Union transactions, After deducting provisions and purchase expenses, the final price will be determined and the final account will be paid. Also procuring milk and milk products, processing them and manufacturing various products from them. To operate this entire system, purchase necessary machinery and equipment and construct necessary buildings.	The price of procured milk/other farm produce/organic farm produce will be pooled. The cost of pooled milk/other farm produce/organic farm produce will be paid provisionally. After deducting transactions, provisions and purchase expenses, the final price will be determined and the final account will be paid. Also procuring milk and milk products, processing them and manufacturing various products from them. To operate this entire system, purchase necessary machinery and equipment and construct necessary buildings.	Due to the strictures made by the central government's MOFP in the guidelines for setting up new cistem testing laboratories under PMKSY.
Purposes Section-5(1) Note (3)	New clause	Procuring organic farm produce from farmers as per cooperative norms, processing it and manufacturing various commodities from it. Additionally, creating and certifying certified laboratories that work professionally to test both these different organics will give the required quality assurance for each of the different organic products. For this, Kari Patan buys minori for me and if she has brother-in-law, Madhvi for it	Procuring organic farm produce from farmers as per cooperative norms, processing it and manufacturing various commodities from it. To create and set up quality certified laboratories which will work professionally for testing of these various organic/organic products and issue necessary certificates for testing of various organic/organic products. To purchase necessary plant and machinery for this purpose and to construct necessary buildings if necessary.	Due to the strictures made by the central government's MOFP in the guidelines for setting up new cistem testing laboratories under PMKSY.



Amendment by-laws Section 6(8) Appendix-2

Current Rule	Current Rule	Proposed amendment	Amendment rule after becoming new	Correction reason
6 (8)	30,00,00,000/- (Thirty crores) raised from the sale of shares shall not exceed Rs. Funds may be raised but the funds so raised, paid up total share funds and accumulated and reserve funds as well as Dairy Development and Expansion Fund and Capital 12 (twelve) 12 of the amount remaining after the accumulated deficit from the amount collected from subsidy fed. In no case should it be more than the limit. When the funds of the Union are not engaged in the business of the Union, the Union shall deposit it as per Section 71 of the Co-operative Act and keep it as a reserve. Ind. But it cannot be invested under section 20E of the Indian Trust Act.	Funds raised from sale of shares Not exceeding Rs.100,00,00,000 (one hundred crore rupees). Notional value of each share. Rs.100-00 (one digit rupees). Funds may be raised through the instruments mentioned in sub-sections 3 and 4. Provided that the funds so raised shall be exclusive of the total paid-up share capital and accumulated reserves. In no case shall the total share capital fund and accumulated reserve fund and the accumulated	The fund raised from the sale of shares shall increase from d 22.100,00,00,000 (one hundred crore rupees to one hundred crores) not P. The theoretical price of each share shall be - .100-00 (one hundred rupees to one hundred crores). And the funds may not be collected through the instruments mentioned in 1 of 4. But the funds to be collected in this way shall be collected from unreimbursed full share	for administrative Convenience

Appendix-2

Current Rule	Current Rule	Proposed amendment	Amendment rule after becoming new	Correction reason
		<p>amount of Dairy Development and Expansion Fund and Capital Subsidy Fund exceed 12 (twelve) folds of the amount remaining after deducting the accumulated loss. When not engaged, the union will withhold or reserve as per Section 71 of the Co-operative Act. But it cannot be invested under Section 20E of the Indian Trust Act.</p>	<p>funds and uncollected reserve funds as well as the collected white money of the Dairy Development and Expansion Fund and the Capital Subsidy Fund. It should not exceed 12 (twelve) times of the amount remaining after the loss in the best circumstances. When the assets are not engaged in the business of the association, as per section 71 of the Co-operative Act, the association will put it as a reserve but the Indian 206 Trust It cannot be rent under Section 20E of the Act.</p>	