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Society Members: 936

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

**COMMITTEE MEMBERS : 2020 – 2021**



**Shri Mansinhbhai Kalyanjibhai Patel**  
**Chairman**  
**Representative:**

Vanskui Dudh Utpadak Co operative Society, Ltd. 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



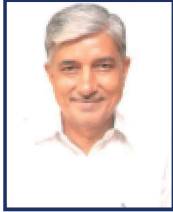
**Shri Nareshbhai Bhikhabhai Patel**  
**Representative,**

Bootwada Dudh Utpadak Co-operative Society, Ltd.  
At & Post – Bootwada, Taluka – Valod, Dist.: Tapi  
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**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  
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**Shri Sandipbhai Jayantilal Desai**  
**Representative,**

Kanakpur-Kansad Dudh Utpadak Co-operative Society, Ltd.  
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**Shri Bharatbhai Sudambhai Patel**  
**Representative**

Velda Dudh Utpadak Co-operative Society, Ltd  
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Mobile: 80008 71065



**Shri Sunilbhai Ratanjibhai Gamit**  
**Representative,**

Jamki Dudh Utpadak Co-operative Society, Ltd.  
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**Shri Balawantbhai Morarbhay Patel**  
**Representative,**

Choryasi Dudh Utpadak Co-operative Society, Ltd.  
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**Shri Ajitbhai Jagubhai Patel**  
**Representative,**

Kharvasa Dudh Utpadak Co-operative Society, Ltd.  
At & Post-Kharvasa, Taluka – Bardoli, Dist.: Surat  
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**COMMITTEE MEMBERS : 2020-2021**



**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.  
At & Post: Jesingpura, Taluka –Vyara, Dist.: Tapi  
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(from 09 August 2020)



**Shri Kantibhai Reshmabhai Gamit**  
**Representative,**  
Dosvada Dudh Utpadak Co-operative Society, Ltd.  
At & Post: Dosvada, Taluka –Songadh, Dist.: Tapi  
Mobile: 98258 00291  
(from 09 August 2020)



**Shri Shaileshbhai Virsinhbhai Patel**  
**Representative,**  
Bahera Raipur Dudh Utpadak Co-operative Society, Ltd.  
At & Post: Bahera Raipur, Taluka –Dolvan, Dist. : Tapi  
Mobile: 9978778102  
(from 09 August 2020)



**Shri Atul Agrawal / Himanshu Bhatt**  
**Representative,**  
Gujarat Co-operative Milk Marketing  
Federation Ltd; Anand



**Shri Dhanraj Sahani /**  
**Shri Rajesh Gupta**  
**Representative,**  
National Dairy Development Board, Anand



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



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



**C. A. Kunjal Modh,**  
**For Modh & Co. Chartered accountants)**  
C A Kunjal Modh-Partner  
Reg. no – 129480 W, S. N. 129714  
Panel no.–240

**Bankers**

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

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

**ICICI Bank, Surat**  
**Indusind 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
1991-92	798	9,70,82,536	115.73	1,50,180	14	10,584	15,088	14	1,47,856	7,074	61,553	94
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	18,56,81,310	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

## **THE CHAIRMAN'S ADDRESSES**

### **Dear Cooperative Friends,**

I am pleased to present in brief of accounts of the accounting year 2020-2021 certified by the auditor & with the consent of all committee members, reports, union's works & activities in the 70th annual general body meeting of Sumul Dairy.

Accounting year was began with global pandemic resulting in 66 days lockdown situation was arisen in the whole country in which all enterprises were got stopped or partially were in operation, in short, all businesses and involved employees working were lost their operations and jobs.

In that difficult period, due to all the facilities developed by the union itself resulting in we faced minimal hindrances in our business.

Due to established facilities by the union itself like milk societies in villages, BCUs, milk transportation, tankers arrangement, our cattle feed factory, veterinary doctors, employees for societies supervision, our chilling centers, dairy plant, processing units, arrangement of sale of products, under the milk is an essential service, resulting in we specially done successfully.

By the self established systems, we could able to supply milk and milk products to the our customers in the city easily and disposal of milk of the village milk producers and other essential goods were made available without interruption. Worldwide and across the country has taken note of ours these successful activities.

To stop the global pandemic, awareness regarding this, application of information successfully implemented through field staff and magazines continuously at milk society level by the union.

The 5 liter sanitizer jar was provided, free of cost to each society by the union first time and second time, keeping in view of members, the sanitizer free of cost was provided to control the infection by doing necessary planning.

In the month of March and April, the cash facility was made available for milk payment at milk society level so that farmers could not go out from home to bank or ATM to withdraw cash.

To members of milk societies, all the goods like ghee, oil, tea, cattle feed, seeds, chemicals etc. were made available supply uninterrupted.

Union has been taken care of those who are not pouring milk in societies but milk was accepted from such types of farmers and set an example of cooperation.

All the needs of societies were made available at door step through electronic media such as telephone, Whatsapp without interruption.

Animal treatment services were made available continuously as a milk cooperative activity and did not seen negative effect of lockdown, ours this type of activity, in the coming days, by the collective efforts will pave the way for effective development.

### **1. UNION MEMBERSHIP :**

Number of Primary Milk Producers' Co-operative Societies affiliated with the Union is 936, at the end of financial year.





## 2. BOARD OF DIRECTORS :

The period of the committee of 16 Talukas of the union has completed on 11/07/2020, to fill all these posts, it has been informed to the District Registrar, Surat. After that, according to cooperative societies act, all these post filled by doing election process by the Nayab Collector and City Prant. And the Chairman and Vice Chairman was elected by the committee members and taken charge of the management.

## 3. BUSINESS & FINANCIAL POSITION:

The total turnover of the union is Rs.4,139 Crores (with sales, auxiliary income & stock) which is 2.31% means 94 Crores more than the previous year. Total sales of the union were recorded Rupees 3,583 crores which is 2.40% means rupees 88 crores less than the previous year. After deduction of depreciation of Rupees 7,724 lakh, union has achieved the profit of Rs. 9,47,10,238 net profit at the end of the year 2020 – 2021

Board of Directors has recommended to distribute 15% Dividend, within the limit of provision in Co-operative act.

## 4. AUDIT :

Audit procedures of milk producing societies and the Union are governed by the audit board under continuous and concurrent audit scheme.

## 5. MILK PROCUREMENT: :

During the financial year, the animal husbandry business at village level was remain operational continuously during corona infection, resulting in, the priority increased of this type of business at village level and by the union, various direct and indirect programs were conducted towards productivity enhancement of the animals resulting in, the total 62,14,38,613.10 kilo milk was procured during the financial year which is 15.23% more observed, Union was given aid of Rs.154.12 crores to qualified societies under various schemes during financial year (Rs. 66.19 crores more paid to those societies having BCU for BCU fat difference)

During the year, union has paid Rs. 772.67 per kg fat to milk producers, which is 2.17% more paid in comparison of last year and, the union achieved net profit of Rs. 9,47,10,238, which is 4.66% more in comparison of last year.

We are pleased to inform the all dairy farmers that unfavorable situation arisen during the Covid pandemic in that in condition during the year, union could able to paid more Rs. 16.43 and Rs. 31.00 per kg fat of average fat rate of buffalo and cow milk, respectively. And union could able to paid to BCUs fat difference at the rate of Rs. 24.93 per kg fat which is Rs. 4.33 per kg fat more than last year.

No.	Details	2019-2020	2020-2021
1	Cow Milk, Kilogram	32,44,48,110-00	39,58,59,978.10
2	Buffalo Milk, Kilogram	21,48,56,222-00	22,55,78,635.00
3	Total Milk, Kilogram	53,93,04,332-00	62,14,38,613.10
4	Total Fat, Kilogram	2,80,57,668-47	3,16,66,180.99
5	Total SNF, Kilogram	4,69,32,986-24	5,39,61,039.99

## 6. MARKETING / SALE:

No.	Details	2020-2021 (Lit/kg)	Increase in Stock, %
1	Total Sales of Sumul Milk	49,45,96,007.65	2.01
2	Sales of Butter milk	6,73,47,197.72	-17.35
3	Sales of Curd	76,71,355.71	-19.67
4	Sales of Ghee	39,97,049.10	-21.59
5	Sales of Paneer	18,05,598.52	52.53
6	Sales of Mithai	5,16,781.79	11.11
7	Sales of Shrikhand	3,66,493.62	5.88
8	Sales of Ice Cream	40,13,587.76	5.40
9	Sales of Bakery	25,07,685.63	143.98

**During the lockdown and corona pandemic, more than 22 lakh people were migrated, resulting in, the effect of migration had been seen on Surat market.**

As compare to last year we could sell more 97,44,363 ltrs milk, means 2.01 % more milk sold. And growth in sale of paneer, shrikhand and sweet was increased also.

During the year we could make sell maximum milk per day was 14,01,703 litres & maximum butter milk per day was 2,99,766 liters. During the year 9,76,661 liters milk & 1,84,513 liters butter milk on an average been sold per day in Surat city, Tapi District & rural areas.

During the year, Sumul Dairy sold 21,017 kg dahi, 10,915 liters ghee, 4,947 kg paneer, 1,416 kg sweet and 1,005 kg shrikhand on an average per day.

### 6.1 SUMUL BAKERY:

During the year, total quantity 2507.69 MT of bakery products was sold and business of 20.54 crores in terms of money done. The 143.98% increased sale was noticed in compare to last year.

### 6.2 ICE CREAM PLANT:

During the year, total quantity 40,13,587.76 litres of icecream was sold and business of 45.17 crores in terms of money done, means 5.40% increased sale was noticed in compare to last year. In which, total quantity 1,63,308 litres of icecream was sold as a distributor and along with other products of Amul, the business of 5.07 crores in terms of money done.

### 6.3 Sumul Food Factory – Take Home Ration (Chalthan) :

To eradicate malnutrition through supplying nutritive food, this plant installed by collective efforts of Sumul-Amul and Integrated Child Development Scheme (GOG), under that, THR products were sold of Rs. 314.30 crores by the union during the year.



## 7. Development programmes of Milk societies & Milk production:

### 7.1 AUTOMATIC MILK COLLECTION STATIONS:

With the aim of procuring fresh and clean milk at the society level along with enhancing self-assurance while getting slip showing Milk Fat, SNF, quantity and price of milk supplied by member during milk collection, Automatic Milk Collection Stations are installed at milk societies. A software package for entire accounting procedure of the society having modern facility has been incorporated therein. An arrangement has been made that society member pouring milk will get his details on computer at the end of month. During the year 881 milk analyzers on 634 societies were installed to get analyze milk fat and SNF.

To get the details of receiving of the societies having BCU, 1052 societies have been made online by which all the details of receiving could be received over here & Milk collection data are being stored over here. So, whenever problem arises in this regard, details could be received from here.

At society level milk procurement is being done by “Automatic Milk collection station”. AMUL AMCS software application is being planned for the implementation of uniform milk procurement fashion at all the societies. If phone number has been registered by AMUL AMCS software in the computer, he will be get provided details of the milk procurement daily. In addition by AMUL AMCS application installed in android phone of member by which member will get the details of his milk procurement on his mobile whenever he wants.

No.	Details	2020-2021
1	Automatic Milk Collection Stations	1,540
2	Weighing Scales and milko Testers	104
3	Weighing Scales	152

### 7.2 (A) BULK CHILLING UNIT :

To maintain & control the desirable standards of the production, to maintain the quality in the procurement & the processing of the milk & Sumul is the best example in this regard. To make milk and milk products as per international standards, milk having high quality need to be procured right from the village level; so Union has commenced “Bulk Chilling Units” having different capacities to facilitate chilling of milk at society level and could be transported by tankers to the union, and chilling of milk at the place of production which has helped to improve quality of milk; and milk of two or four times can be brought by single trip as per suitability of time, and also society can collect milk at their desired time and preserve milk by chilling. Immediate cooling of the milk leads to stop the growth of the micro organism. So, dairy gets about 97.30% of milk having MBRT of 5–6 hours due to which we could be able to supply high quality milk in the market.

Year	Gujarat	Maharashtra	Goa	Total
2019-2020	669	125	15	809
2020-2021	693	179	15	887

## 7.2 (B) ISO 9001 : 2015 CERTIFICATION OF SOCIETIES :

To improve in milk quality & to improve administration, 262 societies have received ISO:9001:2008 certificate of international standards up to the year 2015-2016 & in the year 2016 – 2017 ISO: 9001: 2008 version was upgraded to ISO: 9001: 2015. 429 societies were having such international standards certificate in the year 2019-2020. During the year 2020-2021, more 14 societies were audited got received ISO: 9001: 2015 certificates by Global Sustainability Certification and Inspection Service (GSCI).

As of now 443 societies are having ISO: 9001: 2015 certifications. The validity of the certification will be up to 2024. This was possible due to the positive cooperation of Chairmen, Vice Chairmen, secretaries, Committee members & members of the societies. At present we have following societies talukawise having ISO: 9001: 2015 certificates of International Standards.

No.	Name of Taluka	ISO : 9001 : 2015 Certified Societies (Nos.)
1	Mandvi	94
2	Songadh	93
3	Vyara	67
4	Mahuva	40
5	Dolvan	40
6	Valod	28
7	Mangrol	26
8	Umarpada	24
9	Bardoli	18
10	Uchchhal	7
11	Kamrej	2
12	Olpad	2
13	Ahwa-Dang	1
14	Choryasi	1
	Total	443

## 7.2 (C) CLEAN MILK PRODUCTION:

Milk is one food commodity and there can be adverse effect on its quality if proper care is not taken during production, procurement and transit. Milk is a raw material, and from it milk, and milk products like Ghee, Powder, Butter, Paneer, Curd, Buttermilk, sweets etc are being manufactured. Quality of all products depends on process and raw material. If raw material has good quality, then finished product will have better quality.

Strategy like cleanliness of milching animals, healthy animal, cattle care and personal





hygiene of milking person, cleanliness of milking place and cattle-shed, cleanliness of milking vessel and utensils of milk collection at the society, and, responsibility lies with producers for speedy and time bound follow-ups of all activities right from the point of milk production by milching animals. Whereas responsibility of cleanliness of milk collection point, cleanliness of milk utensils, cleanliness of BCU centre and maintain timely and careful transit of milk to the Union/chilling centre lies with directors of the society. The processing of milk at the Union becomes speedy and easy due to good quality milk, thus quality milk and milk products can be supplied to customers.

As milk is the best food for us likewise it is also best food for micro organisms. They multiply very fast in the milk & spoil the milk quality within a short period. Contamination & growth of microorganism in milk can be controlled by getting knowledge by members regarding Clean Milk Production.

To encourage clean milk production Sumul had started incentive scheme from month of July 07 for milk coming from BCUs depending on bacterial load found in the milk. To encourage/improve more quality of the milk depends on number of bacterial load 0-5 lakh or less, 20 paise per litre being giving as incentive.

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

Sumul Dairy exercises efforts to maintain hygienic (total cleanliness) atmosphere of society by which high quality milk can be produced.

It has been noticed great improvement of clean milk production. There are five societies got rank in which milk having less bacterial counts.

No.	Society	Taluka	Bacterial count Lac/ml
1	Kanaghat	Mandvi	1.6
2	Kolakui Mahila Mandvi	Mandvi	1.6
3	Roshan Mahila Mandal Khareda	Mandvi	1.7
4	Kikakui	Songadh	2.1
5	Limdha	Mandvi	2.1

## 8.0 FODDER SEED DISTRIBUTION PROGRAMME:

In animal husbandry practice, on the less size of land more quantity of nutritive fodder can be cultivated, for that union provided fodder seeds of various improved varieties.

No.	Details	2019-2020	2020-2021
1	Sorghum (S.S.G.) M. Ton	1,201.625	1,028.735
2	Maize ( African Tall) M. Ton	163.870	80.245
3	Rajka Bajari M. Ton	129.390	102.585
4	Rajko Anand- 2 M. Ton	1.042	0.958
5	Nutrifeed M. Ton	0.235	0.018
	Total Seed	1,496.162	1,212.541

### 8.1 TREE PLANTATION PROGRAMME AT MILK SOCIETIES:

Every year, the Tree Plantation Campaign is being organized by the union as a social responsibility. Beside of the corona infection, carefully, by the forest nurseries and ours cooperation 954791 common saplings in which 88337 fruit tree saplings with aid were provided and total 10,43,128 samplings of tree planted by the union.

### 8.2 MILK HOUSE AID SCHEME:

Milk house is the center of conduction and development of the milk society, for that, union is providing a special aid facility to made available milk house. Those societies are not having their own milk house, in this regard, union providing financial aid of Rs. 3,50,000/- and extra Rs. 1,50,000/- to those who committed to install BCU. During the financial year, total Rs. 1.44 crore given 49 milk societies as an aid. Specially, under the milk house/godown scheme of government aid, Rs. 30 lakh to 6 milk societies made available.

### 8.3 WOMEN SAVING GROUPS SCHEME (Managed by Sumul Research & Development Scheme):

At village level, women start to savings from her income and this savings can be utilized towards family members education, health, social and entrepreneurial works and increase her encourage and mental strength of self sufficient women in true meaning, the women saving group is in working.

During financial year, 4715 women saving groups and 71752 women from 893 milk societies covered and total Rs. 97445283 made withdraw during the year. And total saving of Rs. 192096416 made during the year. Provision made of an attractive interest facility. To make more successful, this work is being done by women resource person by collecting savings of women members.

### 8.4 ACCOUNTING IMPROVEMENT PROGRAMME OF MILK SOCIETY:

Day to day, the economic analysis and conclusion of all daily accounting activities of milk society are being done by secretary/employee; it is an important activity. The secretary of the society is as important as life saving oxygen and the accounting in recording is very important for development of society and recording of accounts of society is being done by them, for that as a campaign, union has provided theoretical and practical training to 582 secretaries of milk societies for one week along with awareness regarding various products, informatics literature were provided. From April 2021, every society must be record their accounts itself those who have get recording by other agency, for this planning has been done for make mandatory to record the data in computer under AMCS program in computer available at society level.



## 9.0 ANIMAL HEALTH & BREEDING ACTIVITIES :

By using advanced scientific technology in the field of animal husbandry various schemes being executed.

No.	Details	2019-2020 (Number)	2020-2021 (Number)
1	Mobile Animal Clinic route	17	17
2	Micro veterinary route	09	09
3	Animal treatment during the year	4,74,380	3,94,643
4	Sp. Veterinary visit	1,58,108	1,61,287
5	Primary animal treatment centre	434	435
6	Primary animal treatment case	6,167	8,243
7	Animal treatment camp	1,187	1,028
8	Cases in Animal treatment camps	1,49,616	1,23,199
9	Artificial insemination centre	434	435
10	No. of Artificial inseminations	3,95,244	4,48,559
11	Pregnancy treatment case	2,46,990	2,74,505
12	Foot & Mouth disease vaccination	7,02,253	2,75,685
13	Theileriosis disease vaccination	1,250	238
14	H.S. – B.Q vaccination	1,81,467	14,578
15	Anti Rabbies vaccination	823	618
16	Brucella vaccination	23,933	8,170

### 9.1 “SUMUL SUMADHUR LABORATORY” ACTIVITIES :

#### A. “Sumul Sumadhur Laboratory”

Details	2019-2020 (Number)	2020-2021 (Number)
Testing of milk Samples under P.T. project	25,784	36,513
Other samples ( blood samples)	523	518
Cow Bull-Buffero Bull hereditary checking	6	23

The testing of blood samples, brucella, IBR disease, parentage verification, TB and JD executed.

#### B. Temperature control program in animals:

No.	Details	2019-2020 (Number)	2020-2021 (Number)
1	Animal cooling system	31	20

### 9.2 “DIPA” PROGRAMME (PROGENY TESTING PROGRAMME):

By this programme improvement of breed of milch animal/offspring & cow bull/buffalo bull to be made proven with the aim to get milch animals produce more milk at door step.

No.	Details	2019-2020 (Number)	2020-2021 (Number)
1	Working centre	42	42
2	Village included	108	108
3	Artificial insemination	41,286	44,810
4	Female Cow Calf Birth	4,695	4,267
5	Female Buffalo Calf Birth	2,671	2,623
6	Animals covered under milk measurement	2,512	3,809
7	Selected total male calves under PTP of NDDB	366	

Under Progeny Testing Programmes from December 2019 to November 2020, AI worker Shri Deepakbhai C Patel, AI Centre Waheval did 2244 total no. of artificial insemination in animals with success rate 79.72% achieved first rank in India in all PT Programmes conducted by NDDB and credit goes to Waheval milk society and Sumul Dairy as well.

### 9.3 SUMUL’S ANIMAL GENETICS AT NATIONAL LEVEL:

Elite herds” are being formed in our milk shed area in which high profile animals are being reared & inseminated with Nominated mating means inseminated by proven bull semen dose. Due to which having high genetic profile, the male calves are being produced & out of these 366 male calves had been selected at the national level. “Sabarmati Ashram Gaushala, governed by NDDB is preparing Semen Doses and is being used at national level. This is the great achievement of our union.





#### 9.4 PURE BREEDING PROGRAMME (PBP):

With the help of GCMMF, Anand, 27 milk societies got involved by our union under PBP. Under this programme, by doing measurement of milk those animals having capacity to produce more milk, the offspring of such animals inseminate by the semen dose received from premium cow bull/buffalo bull to produce heifers in more numbers with high genetic profile with the aim to get more milk production.

Sr. No	Details	2019-2020 (Number)	2020-2021 (Number)
1	Milk societies included under P.B.P.	26	27
2	Animals covered under milk measurement	97	67

#### 9.5 SUMUL FERTILITY IMPROVEMENT PROGRAMME (FIP PROGRAMME):

Since 2007-2008 FIP Programmes has been functional with the help of GCMMF Anand. Under this programme different societies been selected & adult unproductive animals are covered by doing their registration. They are checked/treated in four infertility camps at 45 days interval & this programme becomes very successful to reduce burden of such unproductive animals at our producer have made them productive

No.	FIP year	Conception Rate	No of Registered animals
1	First	82.2	13,099
2	Second	80.2	14,750
3	Third	80.0	14,796
4	Fourth	80.0	12,675
5	Fifth	79.0	10,068
6	Sixth	78.0	7,546
7	Seventh	78.0	39,011
8	Eighth	76.6	22,494
9	Ninth	75.0	25,727
10	Tenth	72.9	37,225
11	Eleventh	71.95	41,011
12	Twelfth	72.05	47,822

#### FIP – 13

At present 299 societies of our union have been covered under FIP-13 (Fertility Improvement Programmes-13) in which 39,393 animals are registered. Four (04) infertility camps are completed in each society. At present total 28,154 animals observed pregnant out of the total registered animals. It is a plan to cover more 350 societies in 2021-2022 under this programme.

#### 9.6 PRODUCTIVITY ENHANCEMENT PROGRAMME (PEP) :

With the help of GCMMF, Anand, the 627 milk societies were covered under PEP. The main aim of this programme in which to enhance total productivity of animals by organizing various integrated artificial insemination registration programme, calf registration, calf rearing and fertility improvement programmes.

No.	Details	2019-2020 (Number)	2020-2021 (Number)
1	Milk societies covered under P.E.P	519	627
2	Artificial insemination registration	12,956	20,048

### 9.7 CALF REARING PROGRAMME (CRP) :

Those calves having good genetic characteristics produced at farmers' door step through artificial insemination, with the help of GCMMF, Anand, after registration of such calves the calf rearing kit (milk replacer powder 10kg and calf starter feed 50kg) and 1kg sumineral fort plus powder, and Sumul Dan (Elite) 100kg and 2kg sumineral fort plus powder is being given by union to rear the calves in phase manner.

No.	Details	2019-2020 (Number)	2020-2021 (Number)
1	Milk societies covered under C.R.P	396	435
2	Calves registered under C.R.P.	15,524	18,136

### 9.8 STRATEGIC CALF REARING PROGRAMME (STRATEGIC CRP) :

Calves taken birth under PTP and PEP and those having high genetic characteristics, selected such type of calves are being rear under strategic calf rearing programme at Sumul Animal Breeding Centre-Vanskui and Sumul Sakhi Dairy farm, Bhanavadi. GCMMF, Anand and Sumul Dairy, Surat running this programme so that first calving of cross bred calves in 24 months and deshi calves in 30 months can be under strategic calf rearing programme.

Sr. No	Details	2019-2020 (Number)	2020-2021 (Number)
1	Cross Bred female calves covered under Strategic C.R.P.	1	10
2	Gir female calves covered under Strategic C.R.P.	7	8
3	Calves covered under Strategic C.R.P.	0	5
		8	23

### 9.9 SCHEME FOR ESTABLISHMENT OF DAIRY FARM OF 12 MILCHING ANIMALS FOR SELFEMPLOYMENT THROUGH ANIMAL REARING BUSINESS:

To encourage animal rearing as a business, at village level to create opportunities for self employment and to discourage urbanization, for that, by the Government of Gujarat, started giving aid through this scheme in 2018-19 to establish dairy farm of 12 milching animals. There were three compulsory components of that scheme viz., construction of cattle shade (600 sqr. Feet), purchasing of 12 milching animals and insurance premium. In which, Rs.1.50 lakh subsidy against 3.0 lakh investment for cattle shade construction, 8.5% loan interest subsidy for 5 years in loan taken and Rs. 43,200 subsidy in insurance premium payment, provisions were applicable. Additionally, in optional components, the subsidy will be given of Rs. 18,000 for chaff cutter, Rs. 33,750 for milking machine and Rs. 9,000 for fogger system purchasing. However, per unit in first year subsidy of approximately Rs. 3,06,350 to be given to schedule cast and women beneficiaries. Under this scheme, 30 units to be installed in Surat district and Tapi district. So far, following work done under the scheme in the year 2020-21.



District	Approved unit	Installed Units, till now	Total purchased animals
Surat	16	8	17
Tapi	14	11	66

### 9.10 SUMUL DAN DISTRIBUTION:

Sumul dan Factory, Bajipura, a unit of Surat District Cooperative Milk producers' Union Ltd., Surat was applied an application during the year 2020 to get BIS Type-2 license, in this regard, the BIS auditors visited the Sumul Dan Factory Bajipura on 04 November 2020 to conduct audit extensively regarding quality of balanced cattle feed. On the completion of satisfactory audit, after one month, in December 2020 BIS Type-2 license (no. 7200199713) awarded by BIS. This is an evidence of good quality and now onwards, we can print ISI logo and license number on bags, however, regarding quality, Sumul Dan Factory Bajipura get awarded BIS Type-2 license first among the member unions of Gujarat and other Dairies. This is a thing of proud of Surat District Cooperative Milk producers' Union Ltd., Surat.

To print date and time of production as per BIS requirement on HDPE & jute bags, a machine has been installed and made available in finished product godown at Sumul Dan Factory Bajipura. Also, the printing matter on bags has been changed as per BIS requirement and on every bag, details of use of Sumul Dan and information regarding nutrients elaborated.

SUMUL GOLD PLUS



**ISO 9001:2015 CERTIFIED ORGANIZATION**

**SUMUL GOLD PLUS**

**FEED FOR MILCH COW GIVING UPTO 18 LITRES  
& BUFFALO GIVING UPTO 6 LITRES MILK**

IS 2052:2009



CM/L No. 7200199713

BIS Website Address: [www.bis.org.in](http://www.bis.org.in)

**Sumul Feed Helps to Improve Growth, Immunity, Health,  
Milk Production and Reproductive Ability**



**MANUFACTURED & MARKETING BY**  
**SUMUL CATTLE FEED PLANT, BAJIPURA**

(VILLAGE - TITVA) - 394690 TAPI, GUJARAT, INDIA.  
Toll Free No. : 18001210400 | E-mail: [feed@sumul.coop](mailto:feed@sumul.coop)  
A UNIT OF SUMUL DAIRY, SURAT - 395008, GUJARAT, INDIA.

સુમુલ ગોલ્ડ પ્લસ

**સુમુલ ગોલ્ડ પ્લસ**

(૧૦ લિટર સુધી દુધ આપતી માય માટે અને  
૬ લિટર સુધી દુધ આપતી બેસ માટે સમતોલ પશુઆહાર)

**Typical Analysis BIS Type II Feed**

1) Moisture	11 % Max.
2) Crude Protein	20 % Min.
3) Crude Fat	3 % Min.
4) Crude Fiber	12 % Max.
5) Silica	3 % Max.

Values from 2 to 5 are on moisture free basis

**Feed Included Premix of 1% Min. Mix,  
1 % Salt, 30 IU/Kg Vitamin E, 7800 IU/Kg  
Vit A & 1200 IU/Kg Vit D3.**

**Net Weight: 50 Kg. (At Packaging time)**

Code No. -

Date of Manufacture:

**BEST UPTO 3 MONTHS FROM DATE OF MANUFACTURE**

**સુમુલ ગોલ્ડ પ્લસ ફીડ આપવાની માત્રા (દૈનિક)**

માય - ૧.૫ કિલો ફીડ રમરમાય માટે અને ૪૦૦ ગ્રામ ફીડ પ્રતિ ૧ લિટર દુધ ઉત્પાદન  
બેસ - ૨ કિલો ફીડ રમરમાય માટે અને ૫૦૦ ગ્રામ ફીડ પ્રતિ ૧ લિટર દુધ ઉત્પાદન  
માનવ - ૨ કિલો ફીડ રમરમાય માટે અને યઘારાનું ૨ કિલો ફીડ (ઉલ્લા ૩ માસ માટે)  
કાઠ (૭ માસ ઉપર) - ૨.૭ કિલો, પછી પ્રતિ ત્રણ માસ બાદ ૫૦૦ ગ્રામ ફીડ યઘારાનું (૪.૨ કિલો સુધી)

અથવા પશુ ધિક્તિકાક / પશુ આહાર વિશેષજ્ઞ ની સલાહ અનુસાર ફીડ આપવું.  
ફીડ તૌલું મુકું ખવડાવવું અને જમીન થી ઉપર, ભેજરહિત, ઉંટર થી દૂર સ્વચ્છ જગ્યાએ રાખવું.  
પ્રથમ વાર ફીડ ખવડાવતા હોય તો એકદમ ન બદલતા, ધીરે ધીરે બીજા ખાંધ ની જગ્યાએ આપો.  
સારા પરિણામ માટે આ ફીડ કાપેલા (અનાજ/કઠોળ) લીલો અને સૂકો ચારા, મિનરલ ગ્રીક્સર સાથે  
યોગ્ય માત્રામાં મિશ્રણ કરીને ખવડાવવું તથા પશુઓને પ્રતિ ૯૦ દિવસ બાદ ડિવોર્મિંગ કરાવવું.

15

Sumul Dan Factory, Bajipura, to satisfy necessary requirement, producing quality cattle feed by using combination of scientific modernization and latest technologies, all available raw materials and various resources, continual inspection and improvement in related process and procedures is committed to supply balanced cattle feed continually at minimum cost.

During the year 2020-21, the feed requirement of Banas Dairy, Palanpur and Vasudhara Dairy, Valsad is decreased, hence sale of Sumul Dan is also decreased in comparison of year 2019-20.

No.	Details	2019-2020	2020-2021	Average increase
1	Production Capacity ( MT/day)	1,000	1,000	-
2	Average Production (MT/day)	615	491	-20.16
3	Annual Feed Sale (MT)	1,97,575	1,49,678	-24.24
4	Sumul Buffalo Special (MT)	7,413	4,080	-47.78
5	Sumul Hypro Feed (MT)	1,582	1,234	-21.99

#### 9.11 SUPPLEMENTARY CATTLE FEED (Sumineral forte plus, Ferticare gold, Sumul Milk Shakti powder, Sumul calcium pellets, Sumul Dewormer Dan):

Mineral Mixture is a mixture of various major mineral & trace elements viz. calcium, phosphorous, iron, zinc, magnesium etc. remarkable difference in mineral contents of soil in hilly terrain, tribal belt and coastal area is noted. Mineral content in soil has its effect on fodder and lastly on health of animals. In order to maintain good health of animals, the supplementation of mineral mixture in the feed is necessary. To avoid mineral deficiency in animal body, keeping this in mind, mineral mixture powder plant at cattle feed plant Bajipura have been made operational. So that, we have able to manufacture and supply of good quality chelated mineral mixture to milk producers' through co-operatives societies.

To eliminate fertility problems in animals due to mineral deficiency, “Sumul Ferticare gold Plus” powder enriched with bypass fat & chelated minerals is being produced by sumul dairy & being arranged to sell at society level. Sumul Sumineral forte Plus, Sumul Ferticare Gold, Sumul Milk Shakti powder are being sold from the Bajipura as per following.

No.	Details	2019-2020 (Number)	2020-2021 (Number)
1	Sumineral Fort Plus (1kg packet)	75,154	1,14,514
2	Ferticare Gold Powder (1kg packet)	1,38,017	1,12,574
3	Sumul Milk Shakti Powder (1kg packet)	33,966	20,514





### 9.12 SUMUL DAN/ SUMUL FEED SUPPLEMENT AID :

Veterinary department of the union was made supply of Sumul Dan and Sumul Feed Supplements with aid to the dairy farmers under the various schemes (GCMMF/Govt.) are in implementation.

No.	Details	2019-2020 (Number)	2020-2021 (Number)
1	Total Sumul Dan And Sumul Feed Supplement (M. Ton)	10,289.746	10,689.007
2	Total Amount (Rs. lakh)	2,447.28	2,640.11
3	Total Aid (GCMMF/Government) (Rs. lakh)	963.38	765.48
4	Total Aid through Union (Rs. lakh)	878.80	1,143.35
5	Share of dairy farmer beneficiaries (Rs. lakh)	605.10	731.27

### 9.13 ANIMAL HUSBANDRY STORES :

No.	Details	2019-2020 (Number)	2020-2021 (Number)
1	Suda distribution	21	19
2	Electric Chaff Cutter	416	623
3	Milking machine	08	09
4	Cow mat	2,582	5,401
5	Silage bag	186	150
6	A.I. Crate	155	183
7	Animal lifting Travis	38	40
8	Electric Chaff Cutter (Repairing)	1,120	1,403

### 9.14 SUMUL CATTLE GROUP INSURANCE & PUBLIC PERSONAL ACCIDENT POLICY:

Livelihood of the member gets vanished when priceless animal-herd dies either due to disease or by any other means. In order to run livelihood, insurance of animals taking scheme is continued by the union. Under this scheme, 5,465 animals were covered through 1,457 policies. The Rs. 2.74 crore as premium was paid to insurance company. Getting upon approval of 753 animals insurance claims, amount of Rs. 3.94 crore have been paid to members.

### 9.15 SUMUL ANIMAL BREEDING CENTRE AT VANSKUI :

Under Calf Rearing Programme till now 2,286 heifers has been distributed from this centre whereas 11 heifers grown and distributed during the year. Three bulls having High Genetic Merit were sold to Panchamrut Dairy, Godhra for the purpose of production of semen doses. The rearing of 1 cross bred heifer and 15 Gir heifers, total 16 heifers are being rear under scientifically strategic calf rearing programme with help of GCMMF, Anand, from this, cross

bred heifer achieved 310kg body weight at the rate of 720gram/day growth in 14 months got pregnant and first calving will be at the age of 24 months as per target decided under strategic calf rearing programme. And at present, 15 Gir heifers are being rear at the center with growth rate at the rate of 620gram/day.

During the year total 1,550 bags vermi compost fertilizer, 191 kilogram earth worms, 26,843 litre gir cow urine, 6,033 kilogram vermi compost residue and 8486 kilogram dung was distributed. Additionally, improved hybrid varieties of fodder stem cuttings such like 31350 nos. of bullet grass, 600 nos. of hybrid Napier Coimbatore-4 and 312 kg Jinjva grass with high protein was distributed to the various society members under union's catchment. During the year, different organizations and societies 1825 visitors had visited and taken direction and guidance regarding scientific animal husbandry.

#### 9.16 SUMUL SAKHI DAIRY FARM – BHANAWADI :

Women of “Women Saving Groups” managed by union, avail employment at her door step by adopting animal husbandry business, to bring financial progress, in March 2020 a community dairy farm “Sumul Sakhi Dairy Farm” at Bhanawadi, Ta: Vyara, Distt. Tapi was started.

No.	Details	2019-2020 (Number)	2020-2021 (Number)
1	Total Milching Animals	100	100
2	Women of Functional Saving group	22	27

#### 9.17 INTEGRATED DAIRY DEVELOPMENT PROGRAMME (IDDP):

A Scheme was approved by Tribal Development Department of Government under catchment area of Sumul Dairy for the assistance of BPL & tribal beneficiaries to purchase milching animals & the provision of infrastructural facility establishment in phase manner. Under this, by the now, total 19,484 milching animals were distributed by organizing “Animal Fair” nearby. Under this scheme, so far the subsidy of Rs. 51.85 crore is given in Surat and Tapi districts.

During the year, in which total 04 milching animals have been distributed, under this scheme tribal beneficiaries were included in milk production business by giving assistance of Rs. 1.29 lakh as subsidy. Assistance of Rs. 32,400 per unit was given, also, animal insurance premium for three years, Sumul dan and training assistance was given in the form of assistance.

No.	Details	2019-2020 (Number)	2020-2021 (Number)
1	Purchasing of Animals (Number)	744	004
2	Subsidy Amount Rs. (Crore)	2.41	1.29 (lakh)
3	Loan Amount Rs. (Crore)	1.48	0.80 (lakh)



### 9.18 ARTIFICIAL INSEMINATION TRAINING CENTRE:

During the year, the successful training was given as per following.

Sr. No	Training	Days of training	2019-2020		2020-2021	
			Sumul	Others	Sumul	Others
1	Artificial insemination and First Aid treatment of animals	42	37	09	34	10

### 9.19 UNDER PROGRESSIVE ENTREPRENEURSHIP DEVELOPMENT PROGRAMME A STEP TOWARDS COMMERCIAL DAIRY FARMING:

To get success in any business it is most necessary to have basic training. In our area, milk producers are engaged in this business by keeping more milching animals. The dairy husbandry business can be made profitable by taking benefits of experience of their such types of milk producers and to make successful by incorporating technical guide lines of experts for scientific standards maintenance and to get encouragement these milk producers to expand their business and such milk producers may become the role model for other milk producers, with a such good intension how can be made a successful entrepreneur, a five days intensive training programme is planned. In this programme a booklet having full technical details and for more perceptible knowledge / details through visit to large successful dairy farm in other districts, union has given prime importance.

In our milk shed, there are 290 milk producers pouring more than 50 litres milk are covered under this programme. Every month, experts from our union, fulfill the farm consultancy during their perceptible visit to their farms to accelerate profitable animal husbandry business. We are going to a step ahead with certain vision, in coming years there will an addition of such milk producers & their income can be made double.

No.	Details	2019-2020 (Number)	2020-2021 (Number)
1	Trainees	390	290

### 9.20 SUMUL KAMDHENU SCHEME :

To accelerate the milk production enterprise and encouragement could be made to animal husbandry business, for this purpose union started “Sumul Kamdhenu Scheme” of which detail information is given in the following table.

Sr. No	Details	2020-2021 (Number)
1	Societies	230
2	Beneficiaries	2,637
3	Animals Distributed	2,637
4	Amount paid towards loan (Crore)	16.98

### 9.21 I-KHEDUT PORTAL FACILITY ASSISTANCE PROJECT:

Under the I-Khedut Portal Facility assistance project of Animal Husbandry department of Gujarat state, the following subsidy & assistance to milk producers of both of our milk shed is given.

Se. No.	Name of Scheme	2019-2020		2020-2021	
		No. of Machinery	Assistance Rs. (Lakh)	No. of Machinery	Assistance Rs. (Lakh)
1	Power driven chaff cutter	188	28.20	192	34.56
2	Milking machine	46	14.70	-	-
3	Bulk milk cooler	05	48.78	02	13.92
4	A.M.C.S.	44	35.20	00	00.00
5	Milk House	03	15.00	03	15.00
6	Godown	02	10.00	03	15.00

### 9.22 MASTITIS PREVENTION PROGRAMME (MPP):

Mastitis is mainly observed in milch animals especially in high yielding animals. Generally, if our milk producer could be able to diagnose the mastitis before its clinically appearance then it can be prevented calving loss of animal, milk of particular lactation and huge financial loss of the milk producer, that's why our union has implemented such important programme with the help of GCMME, Anand.

In this programme, milk producers himself diagnose the subclinical mastitis then it can be planned to prevent it immediately. Before the symptoms appear, diagnosis of this disease made in more than 50% animals out of covered in this programme and we could be able to prevent loss to the animal and their financial loss.

Sr. No	Details	2019-2020 (Number)	2020-2021 (Number)
1	CMT test of milk sample done by member (first round)	22,366	34,040
2	CMT test of milk sample member observed Positive (first round)	14,846	22,354
3	CMT test per animal	1,21,349	2,00,576
4	Animal under CMT test (first round)	71,339	1,17,617
5	Positive animal in CMT test (first round)	50,981	81,989
6	Animal under CMT test (second round)	50,010	78,192
7	Positive animal in CMT test (second round)	24,416	32,071
8	Trisodium citrate given to animal	75,397	1,14,696
9	Improvement in animal after Trisodium citrate given	26,565	49,918
10	Improvement in animal after Trisodium citrate given (percent)	52.10	60.88





### 9.23 ETHNOVET PROGRAMME (EVP) :

With help of GCMME, Anand, the Ethnovet Programme is implemented in our working field. To reduce the use of antibiotic medicines during treatment of animals and to get produce good quality milk, the Ethnovet practices were implanted.

No.	Year	2019-2020 (Number)	2020-2021 (Number)
1	Total cases under E.V.P.	456	968

### 9.24 MASS DEWORMING CAMPAGIN :

The more number of diseases are being seen in the animals caused by internal parasites (worms) in the rainy season. The decreased milk production, slow body development, weakness, loose motion, indigestion and infertility related problems are being seen due to internal parasitic diseases. To eradicate these diseases, the deworming tablets/bolus were distributed under mass deworming campaign. The 25% subsidy is being given by the union.

No.	Details	2019-2020 (Number)	2020-2021 (Number)
1	Deworming Tablets/Bolus (No.)	-	3,84,098
2	Total amount (Rs.)	-	17,63,275
3	Aid amount (Rs.)	-	4,26,656

## 10 QUALITY CONTROL, QUALITY ASSURANCE & ISO SYSTEM:

To do chemical analysis of milk, the union has made available advanced equipments in the main dairy laboratory and in the all laboratories of centers like Lahe Plant, Icecream Plant, Goa Plant, Jesingpura, THR Plant and Bakery unit made well equipped. Total 2, FT-1, FFT-2, six Milkoscan (FT120), six Indiscreen machines and two Marsh Milkoscan machine and NIR are functioning at main dairy lab and which are capable to give accurate information regarding adulteration. To count bacterial load in milk, the latest hitech Bactoscan machine is in function at main dairy laboratory. At Sumul Dairy for A1 & A2 protein examination, modern RTPCR machines are there.

The GCFID machines at main dairy laboratory, Lahe and Goa Plant have been installed to analyze milk fat quality.

At the main dairy laboratory as well as at all chilling centre laboratories and at Lahe plant B. R. digital machine was given which is useful to check the quality of the milk fat.

In the union's Navi Pardi unit, bakery & ice cream product and powder plant laboratories made well equipped with all means for the testing of the products quality as per FSSAI norms. To test Take Home Ration (THR) products quality, the well equipped laboratory made available at THR Plant, Chalthan.







### **SUMUL MOBILE LABORATORY:**

First time in India, Sumul Dairy has started “TESTING ON WHEELS” a mobile laboratory from August 2017 for customers of Surat city to test milk & its products free of cost. And second mobile laboratory started from November 2017 which is analyzing milk samples of society members at society. An intension to start mobile lab is to aware/get inform customers that whether they consuming milk & its products are of as per standard or not. In this mobile laboratory fat, SNF or any other adulteration is being tested. It is made well equipped with modern equipments to test milk & its products. It can be tested any other adulteration made in ghee and for that BR machines are being installed. Detection of harmful adulterants in bakery products are being analyses too by the mobile lab. The mobile lab will be available at which place, a time schedule is being advertised in various news paper for that.

For the customers of Surat city a customer care department has been established. In which customer care operator clarify that deviation or any defect of milk sample tested by customer based on mobile lab data.

Customer is being informed if result is not as per the standards.

Under the new food safety act, if it is found any chemical or biological defect in the samples taken by them may lead to spoil the reputation of Sumul, may get punishment & humiliation. To avoid such we all are in try constantly to be aware at every stage from rural milk collection to customer, in every field & bound to food safety & quality by our team work.

By following ISO system we could make remarkable improvement in the quality of milk from rural area. During the year there is an improvement observed in the temperature of raw milk, acidity and in MBR.

### **10 (A) Quality Management System: (ISO: 9001: 2015)**

To match with as international standards regarding food safety, in fact our union had been achieved ISO: 9002:1994 certificate by applying Quality Management System in the year 2000 only. Quality Management System made latest by getting ISO Standard upgraded as per 9001: 2000 in the year 2000, Sumul Dairy Surat and Lahe Plant (Nashik) together was certified as per ISO:9001:2008 in 2008.

To maintain quality, it is necessary to be remaining alert for cattle care, milk society, Bulk Chilling Units, Chilling Centres, Milk transportation, mediating dairy units of the dairy during all these activities, the precaution and care to be taken and it is necessary that milk of good quality to be available to the customers be careful, also. In October 2013, our Navi Pardi Centre also been certified with ISO: 9001:2008 certificate. At present from January 2017, all chilling centers been certified with new standard ISO: 9001:2015.

We could have done improvement in the quality of the milk step by step. At rural level 6 societies had received ISO 9001:2000 certificates in 2005. Also, that had been revaluated in 2008, and got renewed certificates up to 2011. In April 2010, more 26 societies have received ISO: 9001:2008 certificates and at another 49 milk societies, in April 2011 survey was conducted by the “Sai-Global, Australia” & all these 49 societies were got awarded ISO: 9001:2008 certificates. In the year 2013-14, more 50 societies were certified with ISO



9001:2008 under quality management system. Total 355 Societies were certified with ISO 9001:2008. All the BCUs have been certified with new standard ISO: 9001: 2015 from March 2017, at present. In the year 2018-19, more 50 societies were awarded ISO: 9001: 2015 certificates under quality management system, now there are total 449 milk societies got awarded ISO: 9001: 2015 certificates.

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

Sumul Bakery & Icecream plant at Navipardi also awarded ISO: 9001:2015 certificates by implementing Quality Management System, also.



## 10 (B) Food Safety Management System: ( ISO 22000: 2018 )And FSSC:

In the year 2000, by obtaining Codex (HACCP 9000) certificate we became prepared with this design to maintain International Food Safety norms

In 2006, Food Safety Act as similar to ISO Standard 22000, by implementing such certificate was received in November, 2008. Also, in March 2014, all the four Chilling Centers being certified with ISO: 22000:2005 food safety management. As per Food Safety Act and standard 2006, our responsibility will be up to “Grass to Glass”. To assure that milk doesn’t contain any harmful elements to health, Sumul dairy, Surat & Lahe plant (Nasik), both together being certified with ISO: 22000:2005 in the year.

Sumul Dairy Surat, Sumul Dairy Navi Pardi (Bakery, Powder Plant & Icecream Plant) also got awarded ISO: 22000:2018 certificates by implementing Food Safety Management System.

Sumul Dairy, Surat and Navi Pardi have been certified with FSSC 22000 international standards for export from 2019.



## 10 (C) Environment Management Systems: (ISO 14001:2015):

Our organization is aware regarding environment and committed to control pollution and protect environment. Since 2002, our organization certified with Environment Management System means ISO 14001:1996 has done modernization of the Environment Management System as per ISO 14001:2004 in May, 2006, further got renewed till 2014. In March 2014, as per ISO:14001:2004 re-evaluated and updated, at present, as per ISO:14001:2015 re-evaluated and got updated.

We have achieved notable targets regarding environment in every field. Natural sources like electricity & water were being used judiciously. We have obtained National Energy Conservation award 7 times for saving electricity & energy. In tree plantation aspects, 354 saplings of small and large trees plantation has been done. And, in the align with this 10,43,128 total nos. of tree plantations done by union at village level societies of Surat & Tapi district, in that global achievement union was contributed their role as a eco-friendly partner, by which this will brought enhancement in the climatic wealth, certainly. To make available good environment to the next generation, toward this the cooperation and involvement of all the friends is required.



સુમલ ડેરી પર્યાવરણ પ્રત્યેની તેની ફરજો અંગે પુર્ણપણે જાગૃત છે તેમજ સજીવ સુષ્ટિ અને ઈકોસિસ્ટમ વચ્ચે સુમેળ સાધવા પ્રતિબદ્ધ છે. અમો જુદી જુદી પ્રવૃત્તિ કરીએ છીએ જેમ કે ગામડાઓમાંથી દૂધ એકત્રીત કરવું, ઠંડું કરવું, તેનું પરિવહન કરવું, પ્રક્રિયા કરી પેકીંગ કરી ગામડાઓમાં અને શહેરોમાં વિતરણ કરવા સાથે સંકળાયેલ છે. તેમજ અમો પશુપાલન, પશુઉપચાર અને પશુઆહારનું વિતરણ કરીએ છીએ. કર્મચારીઓનો તાલીમ આપી રસ ધરાવતાને જાગૃત કરી પ્રદૂષણ ઘટાડવું, ઘન કચરો ઓછો કરવો, કુદરતી સ્ત્રોતનો વ્યાજબી ઉપયોગ કરવો, હરીયાળી સ્થાપવી તેમજ પર્યાવરણના કાયદાઓનું પાલન કરવાની દિશામાં કામ કરીએ છીએ.

અમો અમારા કર્મચારીઓને યોગ્ય માર્ગદર્શન કરી અને સારી કાર્યપદ્ધતિ દ્વારા આધુનિક ટેકનોલોજીનો ઉપયોગ કરી પર્યાવરણ પર થતી સંભવિત અસરને ઓળખી અટકાવીશું અમારી પર્યાવરણ નિતીના સિદ્ધાન્તો નિચે મુજબ છે:

- ❖ પર્યાવરણને લગતા કાયદાઓનું પાલન કરવું.
- ❖ જમીન, પાણી અને હવાનું પ્રદૂષણ રોકવું.
- ❖ પાણી, ઊર્જા અને બળતણનો વપરાશ ઓછો કરવો.
- ❖ ઘનકચરો ઓછો કરવો અને ફરી વપરાશ કરી શકાય તેવા પ્રયાસો કરવા.
- ❖ રસ ધરાવતા કે લાગતા વળગતાને સંસ્થાના (ઉદ્દેશ) હેતુ હાંસીલ કરવા પ્રેરીત કરવા.
- ❖ હેતુ હાંસીલ કરવા અને સતત સુધારા કરવા જરૂરી તાલીમ આપવી.
- ❖ સતત સુધારા કરવા અત્યાધુનિક ઈકોફ્રેન્ડલી ટેકનોલોજીનો ઉપયોગ કરવો.
- ❖ પર્યાવરણને અસર કરતા તત્વો ઓળખવા અને નિયંત્રણમાં લાવવા.
- ❖ હરીયાળી સ્થાપવી.

તારીખ: ૩૧ જાન્યુઆરી ૨૦૧૭

મેનેજીંગ ડિરેક્ટર





#### **10 (D) Management System (ISO) Training:**

External training for internal auditors of food safety & quality management system is being given to 20 employees from plant, engineering, laboratory, marketing, purchase & HR regarding ISO 22000:2018 standards through DNVGL and 20 employees were given training of internal auditors regarding new standards ISO:9000:2015 and ISO:9001:2015 by DNVGL. 43 officers from Sumul Dairy were appointed as ISO internal auditors for ISO: 9001: 2015 & ISO: 22000: 2005 and 45 officers were appointed as internal auditor for ISO: 14001:2015 those who are being conducting audit at every 6 months interval.

#### **10 (E) Training regarding Food Safety and Standards Act : (FOSTAC TRAINING)**

It is necessary to give training to supervisors, the one supervisor should be at every 25 employees as per Food Safety and Standard Act, in this regard, 84 officers from Sumul Dairy and its all units were imparted training during 15 to 18 March 2021.

#### **11 NEW PROJECTS & EXPANSION ACTIVITIES:**

By the Surat 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.

- ✱ To utilize whey, which is produces as byproduct during Paneer and Sweet production, the union for Sumul Dairy Surat has placed order for fully automatic “whey” utilization project. The quality of butter milk (Chhaas) will be improved due to protein content in whey and by the utilization of whey approximately 15000 litres per day; this project will be viable in six months.
- ✱ Gujarat government made fire NOC compulsory to avail factory license. Union for Sumul Dairy Surat, has placed order for necessary fire fighting Fire Hydrant System to install and make functional to get fire NOC. The system will cover whole dairy plant and administration building. The fire hydrant points will be given in the different buildings of plant and automatic sprinkler system will be installed in packing material storage. By the installation of this system, there will be ease to maintain required safety.
- ✱ The machine for special variety of candy has been installed and made functional at Navi Pardi of Sumul Dairy. The special variety of Tilli Kulfi (Rabdi/Punjabi) in “AMUL” brand is being produced and supplying in market. Now, we could be able to supply in various varieties as per federation's demand.

## 11.1 Future projects:

- ✱ To supply fortified wheat flour 20MT/day to ICDS, Government of Gujarat, among the Sumul Dairy, Government of Gujarat and GCMMF tri party agreement made. The process of purchasing machinery for that purpose has been done with the help of GCMMF.
- ✱ To fulfillment of daily needs of milk producers, the effort is being done to establish Sumul Kisaan Bazaar. Through which, the goods of daily needs of dairy farmers to be available at reasonable price, so that arrangement to be made the vegetables and bakery products to be available. The infrastructure of chilling centers such as Nizar, Uchchhal, Bajipura and Navi Pardi will be taken in use.

## 12. EXPRESSION OF GRATEFULNESS:

Central Government and State Government have extended support for the development of our union, milk societies and milk producers. In response of that, we are very grateful of the Prime Minister, the Chief Minister, the Dy. Chief Minister and all the government officials.

We are thankful to the Chairman, the Managing Director of federation and The Chairmen, Managing Directors and General Managers of member unions who provided their guidance, support and cooperation time to time.

We have been receiving guidance from the Chairman & Managing Director, National Dairy Development Board as and when required for which we are indebted and grateful to him. State Government and its various departments, especially Animal Husbandry, Co-operative department, District Registrar, Surat, Tribal Sub-Plan, Mandvi, Songadh, Surat & Tapi Jilla Panchayat, Taluka Panchayat has extended their co-operation for which we are thankful to them.

We have taken note that cooperation extended from the District Registrar, special auditor (milk), milk audit office, Surat, Chartered accountant Modh & Co., officers from Surat District Cooperative Bank, & other cooperative banks, nationalized Banks, Surat Municipal Corporation, Torrent Power Ltd; Gujarat Gas Co; and Mahidharpura Police station.

We are admire with proud to notice that our valued customers, milk distribution agents, transport contractors, businessmen extended their cooperation too.

We are thankful to Management of Milk Cooperative Societies, of their staff and members for their constant cooperation in operations and in various extension programs implementation.

At last, there has been significant cooperation made available time to time of our fellow committee members of the union for that we are thankful. The satisfactory contribution of the I/C Managing Director Shri Arun H. Purohit, officers and staff members of the union in operation and progress of the organization. With pride, we take note of their contribution and heartily thankful of them for their contribution,

Surat

Yours Cooperative  
Mansinghbhai Kalyanjibhai Patel  
Chairman



## INDEPENDENT AUDITOR'S REPORT

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

### Report of Financial Statements

We have audited the financial statements of Surat District Co-operative Milk Producers' Union Limited, Surat which comprise the Balance Sheet as on 31<sup>st</sup> March 2021, Profit and Loss Account and Cash Flow Statement for the year ended 31<sup>st</sup> March 2021, 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

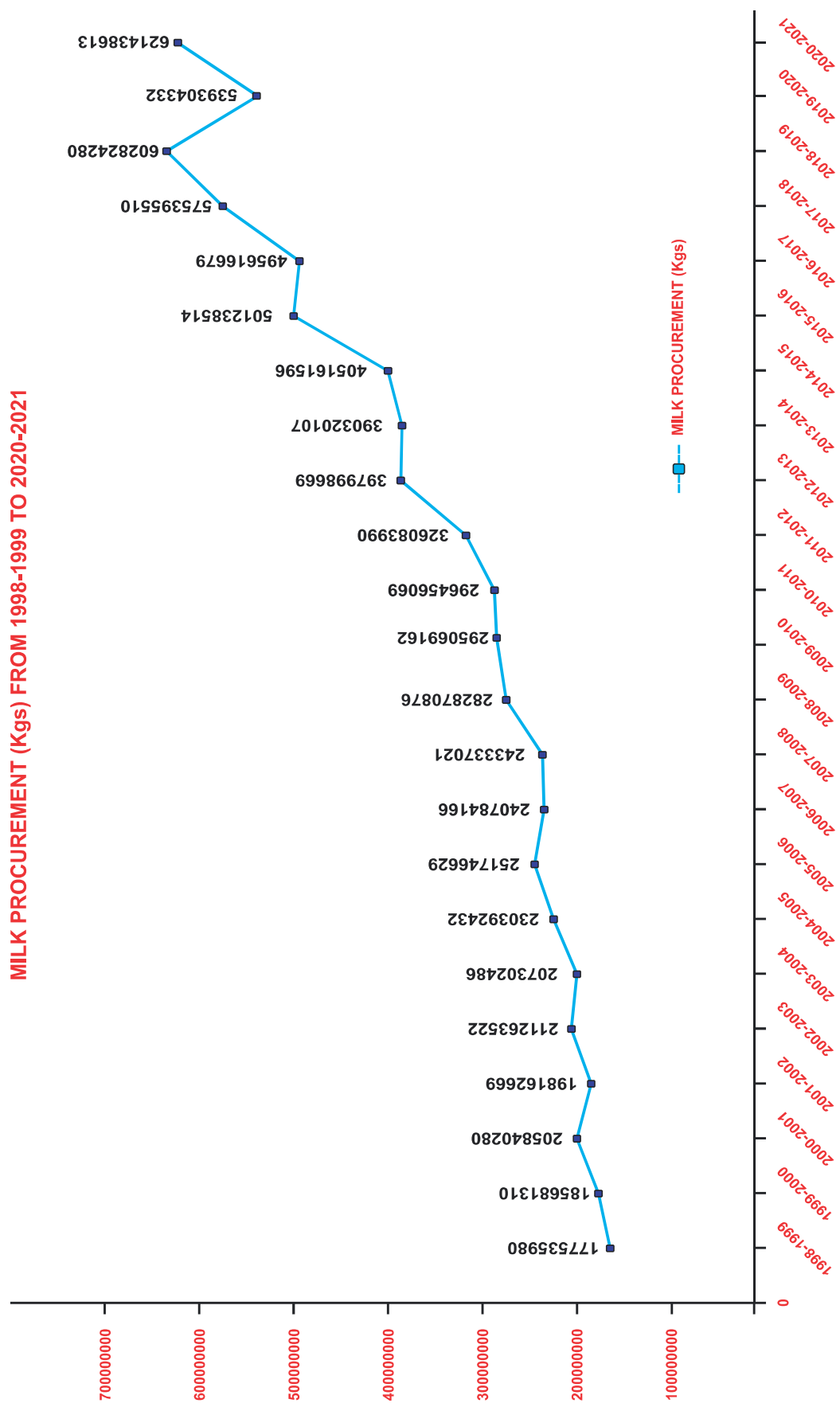
In our opinion and to the best of our information and according to the explanations given to us, the financial statements give the information as required, so give a true and fair view in conformity with the accounting principles generally accepted in India Subject to “ Notes to Accounts” and “Qualification”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

- (a) In the case of the Balance Sheet, of the state of affairs of the Union as at 31<sup>st</sup> March 2021.
- (b) In the case of Profit and Loss Account, of the profit of the Union for the year ended on that date.

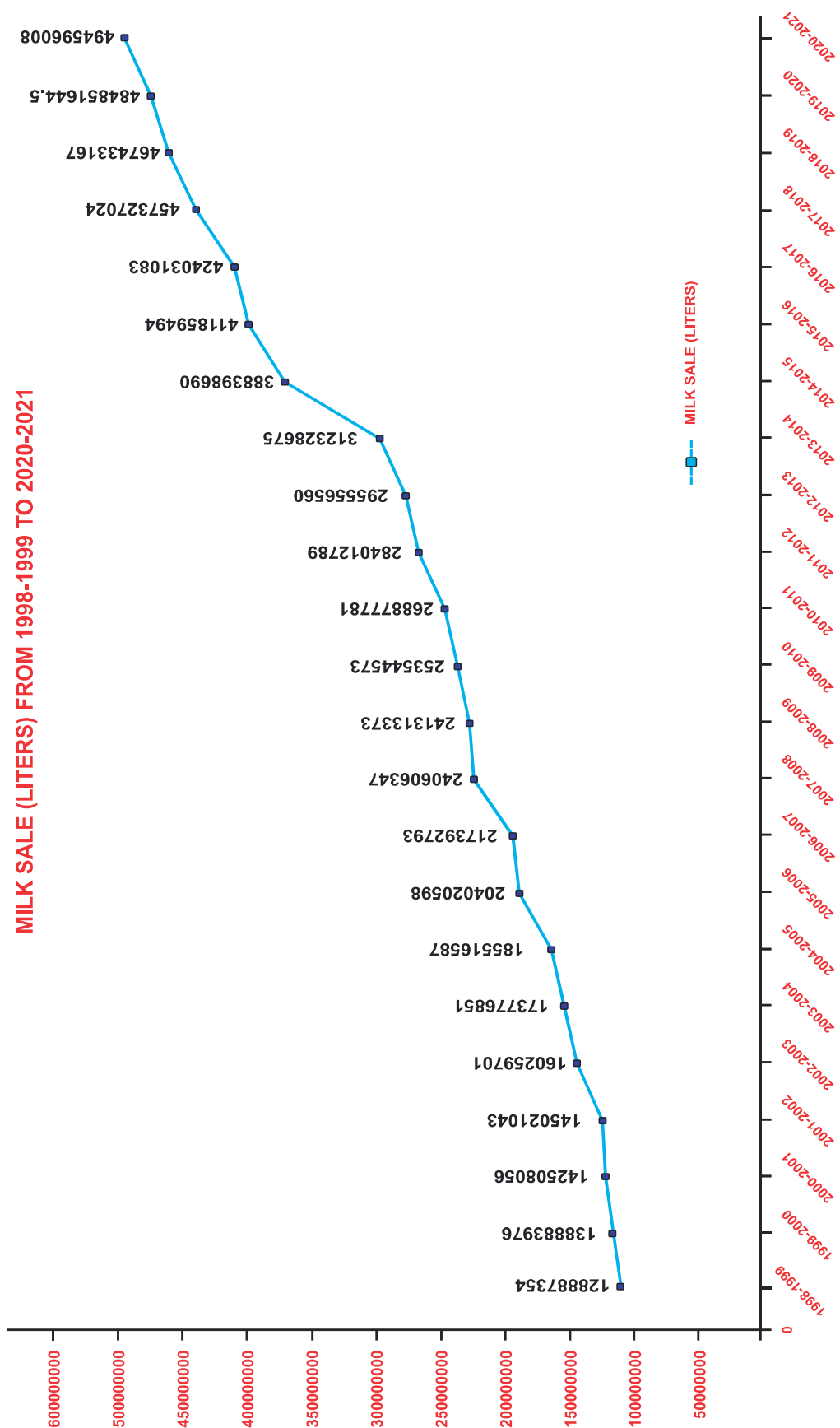
### Modh And Co., (Chartered Accountants)

C. A. Kunjal Modh –Proprietor  
Firm Reg. No. 129480W,  
Membership No. 129714, Penal No. 240, Surat  
Certified Auditors (Co-operative Societies)  
UDIN:21129714AAAAHN4618  
Date : 30/07/2021, Place : Surat

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

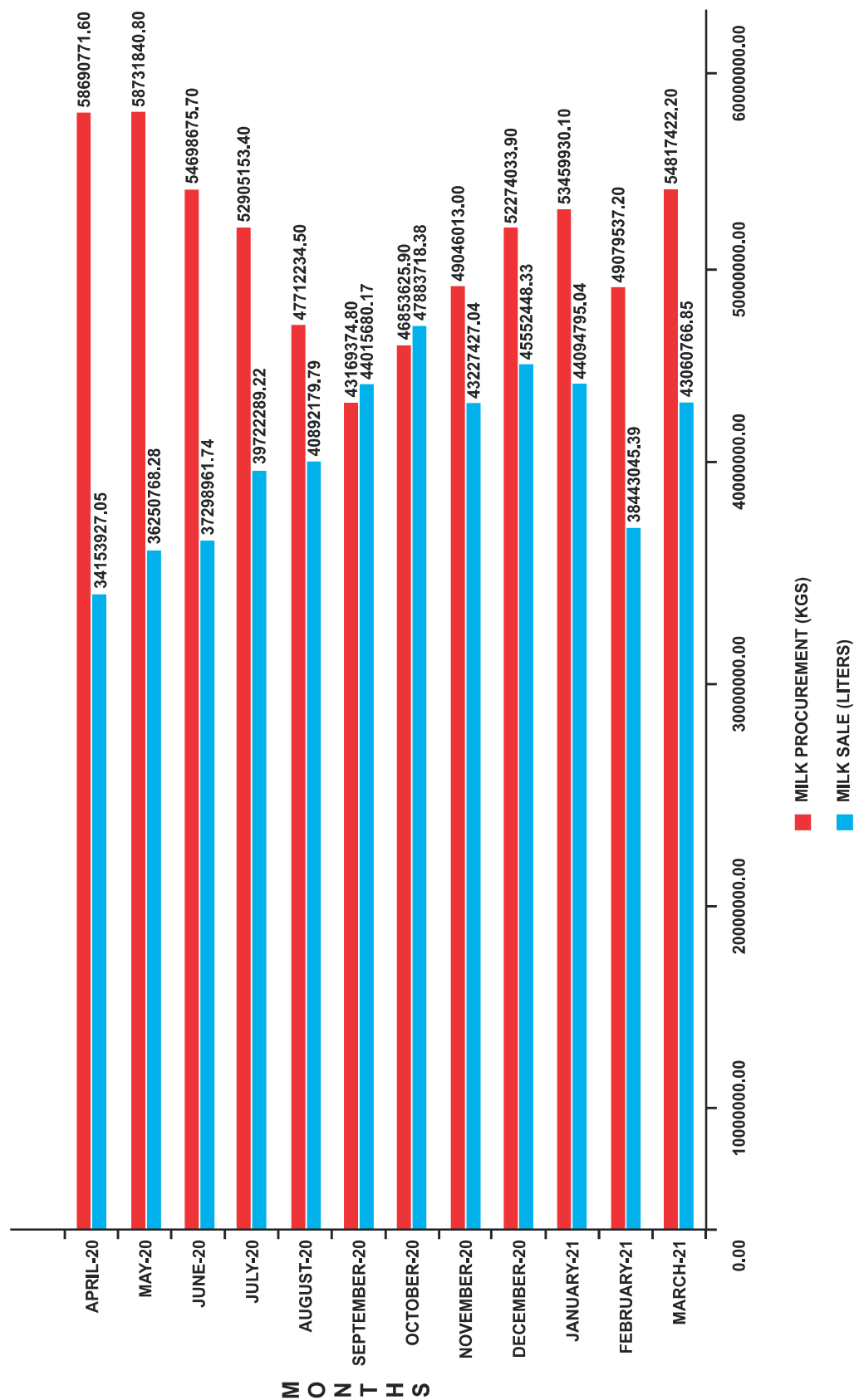








### MILK PROCUREMENT (KGS) V/S. MILK SALE (LITERS) (2020-2021)



**TALUKA WISE MILK PROC. (LITERS) V/S. CATTLE FEED SALE (KGS.) (2020-2021)**

