



# Surat District Co-operative Milk Producers' Union Ltd.



62

annual report - 2012-13

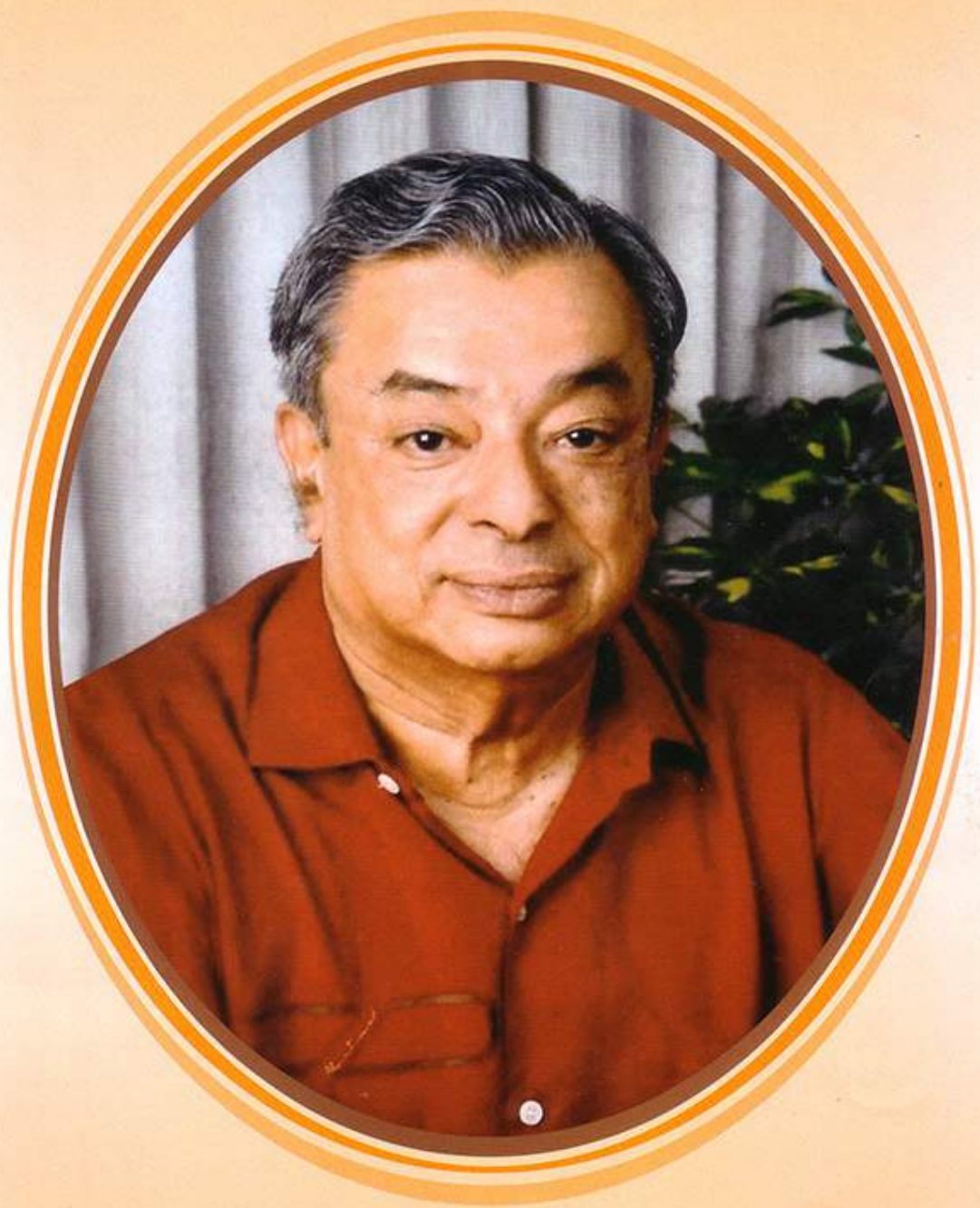




Union chairman Shri Mansinhbhai Patel receiving The Energy Conservation award from the honourable president of India Shri Pranav Mukharji which has been achieved by Sumul dairy for the best work in energy conservation declared by Ministry of Power of Government of India. (14/12/2012) New Delhi.



Union Chairman Shri Mansinhbhai Patel receiving The Jamnalal Bajaj Award - 2012 trophy & certificate achieved by Sumul dairy from Padmashree Nandan Manohar Nilekani, the chairman of Unique Identification Authority of India from Council for Business Practices, Mumbai. (20/04/2012)



HATS OFF  
TO THE WHITE REVOLUNIST





## **SURAT DISTRICT CO-OPERATIVE MILK PRODUCERS' UNION LTD**

P.B. No. 501, Sumul Dairy, SURAT 395 008

### **Notice**

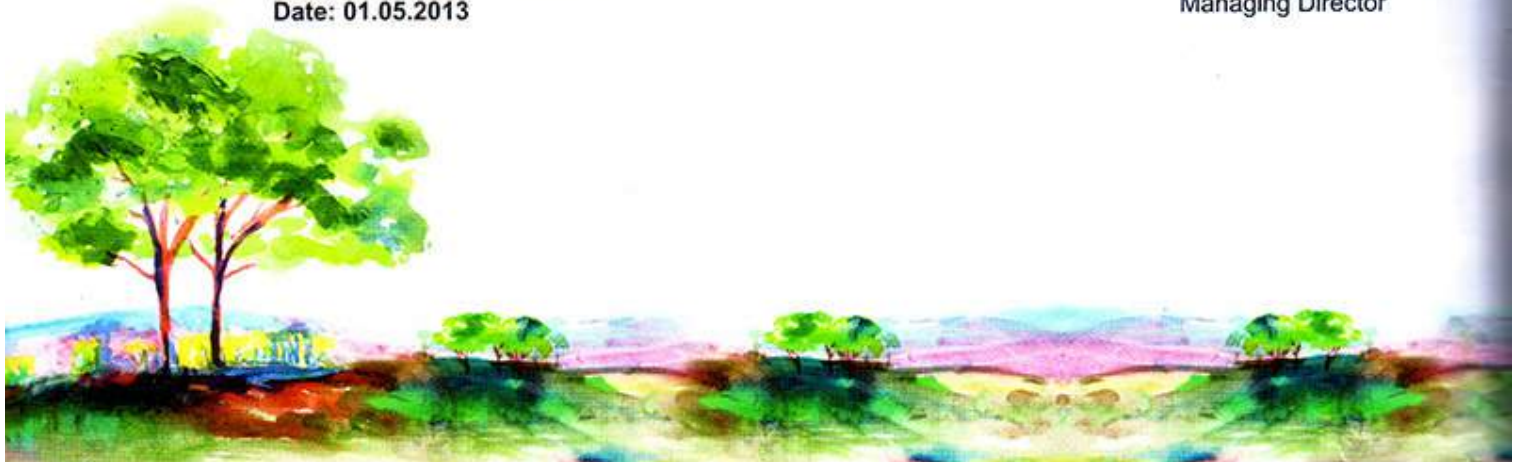
This is to inform you that, 62<sup>nd</sup> Annual General Meeting of the Surat District Co-operative Milk Producers' Union Limited will meet on 16-05-2013, Thursday at 10 A.M., at its Registered Office Sumul Dairy, Surat 395 008 for clearing the following work. So, authorized Representatives of the Societies are requested to remain present in this meeting.

### **Agenda**

1. To tender Homage to much-lamented.
2. To confirm the preceding of previous General Meeting.
3. To note the actual expenditure made during the year 2012 – 13 as against the provision made in the budget.
4. To approve the Annual Accounts of the year 2012 – 13 and Audited Report duly approved by the Board of Directors and certified by Special Auditor(Milk), Milk Audit Office, Surat.
5. To grant the distribution of the profit as recommended by the Board of Directors.
6. To approve the Budget for the year 2012 – 13.
7. To view the Audit Report of the Special Auditor (Milk), Milk Audit Office, Surat.
8. To fix the limit of the outsiders' debit as per Clause No. 6 of the Bylaws of the Union.
9. To fix the Traveling Allowance and the rate of Daily Allowance for attending the Board Meetings and Sub Committees.
10. Regarding deduction from societies per kilo fat for "Suvikas Fund".
11. To view whatever presented by The Chairman or with his approval.

Registered Office  
Sumul Dairy, SURAT 395008  
Date: 01.05.2013

As per order of the Board of Directors  
**Jayesh H. Desai**  
Managing Director





# SURAT DISTRICT CO-OPERATIVE MILK PRODUCERS' UNION LTD

P.B. No. 501, Sumul Dairy, SURAT 395 008

Telephone: 2537693, 2538717, 2531666, 2531137  
Fax: 0261 2533572  
Society Members: 635

Registration No: P. D. 688 Dated – 22/08/1951  
Audit Class: A  
Personnel Member: 11

**SUMUL**

## COMMITTEE MEMBERS : 2012 – 2013

1	Shri Mansinhbhai Kalyanjibhai Patel	Chairman	Representative, Vanskui Dudh Utpadak Co operative Society, Ltd.	Vanskui, Ta. Mahuva
2	Shri Pravinbhai Namlabhai Gamit	Vice Chairman	Representative, Vyara Dudh Utpadak Co operative Society, Ltd.	Vyara, Ta. Vyara
3	Shri Arvindbhai Singabhai Gamit	Member	Representative, Pipalkuva Dudh Utpadak Co operative Society, Ltd.	Pipalkuva, Ta. Songadh
4	Shri Jayeshbhai Natvarbhai Patel	Member	Representative, Delad Dudh Utpadak Co operative Society, Ltd.	Delad, Ta. Olpad
5	Shri Jitendra Dhirajlal Desai	Member	Representative, Uchchhal Dudh Utpadak Co operative Society, Ltd.	Uchchhal, Ta. Uchchhal
6	Shri Manojbhai Naranbhai Patel	Member	Representative, Shekhpur Dudh Utpadak Co operative Society, Ltd.	Shekhpur, Ta. Kamrej
7	Shri Ramanbhai Ukadiabhai Gamit	Member	Representative, Jakhala Dudh Utpadak Co operative Society, Ltd.	Jakhala, Ta. Mandvi
8	Shri Jaysinh Dungariabhai Vasava	Member	Representative, Ghanavad Dudh Utpadak Co operative Society, Ltd.	Ghanavad, Ta. Umarpada
9	Shri Rajeshbhai kantilal Pathak	Member	Representative, Mosali Dudh Utpadak Co operative Society, Ltd.	Mosali Ta. Mangrol
10	Shri Nareshbhai Bhikhabhai Patel	Member	Representative, Bootwada Dudh Utpadak Co operative Society, Ltd.	Bootwada Ta. Valod





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11	Shri Ajitbahi Jagubhai Patel	Member	Representative, Kharvasa Dudh Utpadak Co operative Society, Ltd.	Kharvasa Ta. Bardoli
12	Shri Bharatsing Gumansinh Solanki	Member	Representative, Kharbhasi Dudh Utpadak Co operative Society, Ltd.	Kharbhasi Ta. Palsana
13	Shri Bharatbhai Sudambhai Patel	Member	Representative, Velda Dudh Utpadak Co operative Society, Ltd.	Velda Ta. Nizar
15	Shri District Registrar, Cooperative societies, Surat	Member	Representative, Shri Registrar Cooperative societies, Gujarat state	Surat
16	Shri M. S. Saiyed.	Member	Representative, National Dairy Development Board	Anand
17	Dr. S. T. Desai	Member	Representative, Gujarat Cooperative Milk Marketing Federation Ltd	Anand
18	Shri Jayeshbhai Harshadrai Desai	Member	Representative, Managing Director, Ex. Officio, Member Secretary, Sumul Dairy	Surat

### Bankers...

The Surat District Cooperative bank Ltd  
State Bank of India, Surat  
Sarvodaya Sahakari Bank Ltd, Surat  
Axis Bank, Surat

Dena Bank, Surat  
ICICI Bank, Surat  
Bank of India, surat.  
HDFC Bank, Surat

### Auditors.....

Shri Special Auditor (Milk), Milk Audit Office, Surat.

### Registered Office.....

Sumul Dairy, Surat – 395 008 (Gujarat)





A report to be presented in 62<sup>nd</sup> Annual General Meeting on 16/05/2013 is approved in the meeting of the committee members held on 24/04/2013.



**SUMUL**



### **The Chairman Speech:**

Dear Cooperative Friends,

I am pleased to welcome all representatives of co-operative milk societies associated with the Union present in the 62<sup>nd</sup> Annual General Meeting of the Union, and, present before you the Annual Accounts of the year 2012-13, and Audited Report duly approved by the Board of Directors and certified by Auditor.

During the academic year milk producer will not face financial crisis even in adverse condition also, by keeping it in mind union has paid 26 Rupees more than the last year.

During the year we can improve the quality of milk by the installation of BCUs & AMCS machine at society level. In addition to decrease the milk production cost & to increase the milk production various programmes like FIP, PEP, NECO & AI service have been extended.

During the year we have launched successfully the high fat milk "SUMULYA" for the public of Surat city.

Even in certain adverse condition also we could successfully maintain the maximum payment to the milk producer as well as succeed to maintain the milk procurement during the year.

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

Number of Primary Milk Producers' Co-operative Societies affiliated with the Union is 675, at the end of accounting year.

### **2. BOARD OF DIRECTORS:**

3 years period for the committee is being up to July, 2012. So, an appeal is being sent to the Collector through District Registrar as per cooperative law for forward action in the fix time limit for the election for the fourth coming 3 years.

In that continuation election procedure completed in time & it has been declared the elected candidates from the different talukas of Surat & Tapi districts. The period for the new committee will be 3 years.

### **3. BUSINESS & FINANCIAL POSITION:**







The total turnover of the union is Rs.1579 Crores which is 17.13% means 230.95 Crores more than the previous year. After the provision of Rs 1761 lacs for depreciation & Rs 70 lac for Income tax, union has achieved the profit of Rs. 36347865 net profit at the end of the year 2012 – 2013.

Board of Directors has recommended distributing 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 appointed by the state government under continuous and concurrent audit scheme.

#### 5. MILK PROCUREMENT:

We could pay Rs. 511 per kilo fat in compare to Rs. 485 per kilo fat of previous year with 5.36% more because of the vision, Plan of our committee members & strengthened sale management & the result of automization programmes & your cooperation our deserved milk producer this business become profitable at his door step through our cooperative structure.

It is an appeal to our milk producers that unemployed educated youngsters can come up in this business & current milk producers can expand their business, there are the provision of various loans, programmes & various development promoter plans by which we can start efforts for more milk production & more milk procurement in our area.

During the year 397998669 Kilos milk have been procured which indicates 22.05% increase than the previous year.

Details	2011 - 12	2012 - 13
Cow milk Kilogram	211509600	268455358
Buffalo milk Kilogram	114574390	129543311
Total Milk Kilogram	326083980	397998669
Total Kilo fat	16675094	20012117
Total Kilo SNF	28433581	34572499

#### 6. SALE:

During the year there is increase of 4.35% in sale than the previous year. During the festival there is more demand of milk in the market & we become able to cop up that demand. During such days we have sold 10, 37, 364 litres milk per day, thus we could maintain







our top rank in the market. In spite of sale centres running at present, a milk distribution arrangement are being arranged to reach the demand of City & the district customers.

During the year we have achieved a remarkable increase in the sale of milk & its byproducts like various sweets, Shrikhand, Masala Chhash, Thick chhash etc. In addition comfortable packings of Skimmed milk Dahi, Punjabi Dahi are also being provided to the customer.

**SUMUL**

During the year we have introduced "Sumul Thick Lassi" 250 ml packing on public demand & get great response from our customers.

Details	2011-12	2012-13
Average daily Milk sale (Litre)	775991	809744
Average daily butter milk sale (Litre)	98926	108790
Total NO of Milk distributors	2796	2903
No of full time sale centres	290	290
No of Surat district milk distributors	279	292

During the year, flavoured milk is being provided twice a week to 35000 children of the "ANGANWADI" of all talukas of Surat district & 2600 children of "ANGANWADI" of Uchchhal taluka at "No profit no loss basis" with the totally help of Sumul Dairy & Surat Jilla Panchayat with Tapi Jilla Panchayat. Thus we pay our duty for the society.

As it has been made compulsory that all edible products should be distributed in the insulated vehicle as per the "Food Safety Act" of Government, we made all our vehicles insulated to provide milk to our customer at standard temperature.

Sumul does not selling milk only but to spread Sumul message to every house, Sumul arranges "Sumul Healthy Baby competition", "Sumul Drawing competition" since 23 years. 1208 children have taken the part of Child Health Competition & 7380 students of Jr. KG to 12th standard from about 82 schools became the participant in Sumul Drawing competition during the year.

In addition 320 students from Junior KG to 12th standard of different 16 schools became participant In the Sumul Drawing competition.

## **7. MILK SOCIETIES & MILK PRODUCERS' DEVELOPING PROGRAMMES:**

### **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. To facilitate run Automatic Milk Collection Station continuously where constant electricity supply is not available, solar-energy operated systems have been arranged in such 190 milk societies.

After our sincere efforts, we have received RS 245.00 Lac as an assistance received from Government for the infrastructure facility of the 350 societies under the project Gujarat government.

Details	2011-2012	2012-2013
Automated Milk Collection Centre	1276	1503
Weighing scale & Milko tester	90	90
Weighing scale	275	240

#### 7.2 (A) .... BULK CHILLING UNIT:

To maintain & control the reasonable 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 at the place of production, which has helped to improve quality of milk; and, milk of two three 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.

Details	Active	To be installed
2011-2012	235	257
2012-2013	279	289

We are going to cover more and more societies under Clean Milk Production programme after obtaining the assistance of Rs.1556.80 Lac for 234 societies from the Gujarat government to facilitate the infra structure of society

#### 7.2 (B) .....ISO 9001 : 2008 CERTIFICATION OF SOCIETIES.

To improve in milk quality & To improve administration societies have tried to get ISO:9001:2008 certificate of international standards during the year 2012-2013 & such certificates are received in 50 societies during the year & such only be possible due to the cooperation of Chairman, Vice Chairman, secretary, Committee members & members of the society.







**SUMUL**

Sr	Taluka	No. of ISO:9001:2008 certified societies
1	Vyara	45
2	Mahuva	31
3	Mandvi	16
4	Songadh	15
5	Valod	12
6	Bardoli	6
7	Olpad	2
8	Kamrej	2
9	Choryasi	1
10	Palsana	1
	<b>Total</b>	<b>131</b>

After the success of above societies, Sumul has tried for another 51 societies to get ISO: 9001: 2008 certificates since October, 2012. & It is expected these societies to get certificate in the coming year.

## 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 is 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 milch 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 milch-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 center 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, it is best food for microorganisms also, that's why they multiply vigorously in milk & perish the milk within the short time. Society members can control on the entry & multiplication of the microorganism by getting the knowledge of clean milk production.

In order to grant encouraging zeal to Clean Milk production based on







the bacterial count of milk from Bulk Chilling Units, Union has started paying 10 paise per liter for milk having bacterial count less than 15 lacs and 5 paise per liter for milk having bacterial count 16-30 lacs from July 07. To have more improvement in milk quality, depending on hot season & no of bacterial count 20 paise, 10 paise & 5 paise paid per litre of milk for the encouragement as per the table given below.

No	Month	Bacterial count per ml	Paise / Litre
1	April to July	0 to 5 lac	20 Paise / Litre
		5 lac to 15 lac	10 Paise / Litre
		15 lac to 30 lac	5 Paise / Litre
2	August to March	0 to 5 lac	20 Paise / Litre
		5 lac to 10 lac	10 Paise / Litre
		10 lac to 20 lac	5 Paise / Litre

#### 8...CO-OPERATIVE DEVELOPMENT & INTERNAL CONSULTANT DEVELOPMENT PROGRAMME:

At rural level various development programmes are being conducted through camps & seminars at taluka level & constant improvement stage by which our milk cooperative structure been made strengthened & our milk producers, society employees & committee members will know their duties, rights & benefits of cooperative infrastructure at rural level.

Details	2011-2012	2012-2013
No of VMS	26	183
Present Members	1693	10230
VMS review	872	397
Present Members	60329	12300

#### 8.1... FODDER SEED DISTRIBUTION PROGRAMME:

Milk cooperative business becomes our backbone where animal feed expenditure is the major expenditure. So, it would benefit directly to our milk producer whatever the expenditure is reduced in such type of expenditure with such intension we provide various improved fodder seeds to sow in their land by which they can get fodder with good nutritive value at less expense. To push up the project we provide improved varieties of the fodder seeds at 25% subsidized rate. Thus, we became the part of the progress of our milk producers.







Details	2011 - 2012	2012 - 2013
Lucerne Anand – 2	3.749	4.055
Lucerne Bajara	64.715	89.800
Jawar (S. S. G.)	493.355	660.220
Maize African tall	15.075	29.000
Total fodder seeds	576.894	783.075

### 8.2...PLASTIC SURGERY PROJECT:

Our union not only providing income to our milk producers through the our business but keep the basic concept of society in centre that a deserving financially weak person in contacts with Sumul suffering from Neonatal defects which could be corrected by surgery are corrected free of cost with the help of "Jivan Akshay Cheritable Trust", Vadodara & "Kakaba Hospital", Hansot our union giving such service & during the year 31 patients were examined out of which 19 patients get removed their defects to have real smile in their life.

### 8.3... TREE PLANTATION:

Our union has made the tree plantation programme state pervade by successfully celebrating 15th August as "Milk Society Tree Plantation Day" & we became a step ahead in this field, that our milk producer plant such a tree that not only improve the environment but will generate the financial income. So, we have achieved double success by providing horticulture saplings at just Rs 10 to our milk producers.

During the year by the cooperation of 776 milk societies & 1127605 saplings received from forest nurseries were transplanted & transplantation of 173371 horticulture saplings have been conducted.

We have been honoured by the federation, Anand by giving letter of admiration & the shield.

### 8.4... RURAL SANITATION PROGRAMME:

With an intension that with financial income availability of health facility at rural level, we provide interest free loan with 12 equal installments that our milk producer can make toilets & bathrooms at their door very easily.

During the year 20 toilets & 18 bathrooms have been constructed.







#### **8.5.....WORMI COMPOST (BIO AGRICULTURE):**

At rural level with the milk production our milk producer will get quality products from Agriculture also & they will get more income by animal husbandry they make wormi compost fertilizer at his home as well as to decrease the use of chemical fertilizer, wormi compost fertilizer units are active at our Bajipura, Navipardi & Uchchhal chilling centres.

#### **8.6...."MILK HOUSE" AID:**

At rural level Milk House is the permanent address & the throbbing centre is the "MILK HOUSE". At rural level "Milk House" is essential for the development of all the milk business it is necessary to have a "Milk House" for all milk societies as per their capacity. We have made this project more effective by giving priority for the loan of 25000 to 100000 Rs wealthy assistance & in special cases loan assistance for the society making their "Milk House" as per the norms

During the year Rs. 48.80 lac to 27 societies as assistance provided for "Milk House" & Rs. 30.95 Lac interest free loan provided for 21 milk societies.

#### **8.7..... BIOGAS PROJECT:**

In the family of milk producer, their ladies can get facility like city women for cooking by which they can save time, maintain the health & environment same way by the mean to save finance, they should establish the Bio gas plant of their capacity instead of animal dung thrown to dunghill to get 24 hours & 12 months bio gas facility, with that intension by the result of our effective presentation, 60% & 75% assistance can be made available from the state government. We could establish 287 biogas units during the year by the successful recovery project by equal twelve installments with interest.

#### **8.8..... FOOD SAFTY STANDARD ACT:**

In any business, from preservation to sale their raw material & finish product, maintenance of quality & its natural standards in each & every process & no adulteration or any mischief made which may affect the customer health, for the implementation food safety & standard act for our business, registration & certificates for all our societies are received under this act.

In such act, as there is a provision of fine & strict penalty, we have to maintain our all standards for the milk business by pouring always standard quality milk only to milk society & milk society also be particular in this regard.

In addition, union has also made some strict rules in this regard; it has to be obeyed very strictly which is beneficial for us. So, food safety standard act should be followed very strictly at society level.

#### **8.9.....LADIES SAVING GROUP PROGRAMME:**

Ladies enguaged in our business cal plan their future from the income derived from







animal husbandry & save the small amount from the income which could be useful to them in socioeconomic events or useful to purchase new animal or useful to start new business & develop their saving quality, with such intension in Vyara & Songadh it has been implemented in first phase & received great response.

**SUMUL**

2142 ladies in 100 groups of different villages from Vyara & Songadh taluka have saved Rs. 1889270 at the end of the year which has been deposited in the savings bank. Make more efforts that ladies from the remaining taluka to be covered in this programme to make them more independent.

### 9.0 Animal Health & Breeding:

We could implement various schemes by adopting Advance Scientific method in our veterinary field

Details	2011-2012	2012-2013
No of Veterinary mobile clinic route	11	11
No of micro veterinary route	11	11
Total no of cases treated	474406	551819
No of special visit	137585	135499
No of First Aid Centres	262	269
No of First Aid cases	59261	68470
No of Veterinary Camp	522	706
No of cases treated in camps	72201	81479
No of AI Centres	262	269
No of AI	352381	393388
No of Pregnancy Diagnosis	291242	323770
No of FMD Vaccination	710367	680112
No of Theilaria Vaccination	30001	39461
No of HSBQ Vaccination	403507	465910
No of Rabies Vaccination	4550	4510







### 9.1... "SUMUL SUMADHUR LABORATORY"

#### A. "Sumul Sumadhur Laboratory"

No	Details	2012-2013
1	No Animal Disease Diagnosis analysis	17464
2	No of Milk ring test for Brucellosis	470
3	No of Milk samples for Mastitis control	7940
4	No of faecal examination	234
5	Other samples	8790
6	Brucellosis Vaccination villages covered	255
7	Genetic analysis of Bulls	220

#### B. Temperature control programme for cattle:

No	Details	2012-2013
1	Animal cooling system installed	68

#### C. Animal House with auto water management:

No	Details	2012-2013
1	Water management bowl in cattle shed	More than 5000

### 9.2... "DIPA" PROGRAMME (PROGENY TESTING PROGRAMME):

Objective of this program is to obtain breed of high yielding milch-animals locally under the program of improvement of milch-animals/animal breed as well by endorsing cow bulls/buffalo bulls.







**SUMUL**

Details	2011-2012	2012-2013
No of active Centres	43	45
No of village covered	106	104
No of AI in PTP	26241	36252
No of female calf born	2187	2795
No of Buffalo calf born	1179	1505
DIPA Dan distribution (Kilogram)	247050	226650

### 9.3.... SUMUL ANIMAL GENETICS AT NATIONAL LEVEL:

An "Elite herd" are being formed in Mahuva, Vyara, Songadh, Olpad & Mandvi talukas in which high profile animals are being reared & inseminated with Nominated mating or inseminated by proven bull semen dose under the "DIPA SCHEME" (A progeny testing programme of NDDDB) of Sumul Dairy. Due to these high yielding animals are being produced & out of these 94 male calves had been selected at the national level FSD breeding centre. In future, semen doses from these selected animals will be prepared at the Inter national level breeding centre "Sabarmati Ashram Gaushala, Bidaj (Governed by NDDDB) is fixed to prepare FSD from such animals by which cows from the nation will get pregnant by using such FSD & This is the great achievement of our union.

### 9.4.... NECO ANIMAL PROJECT:

Out of important subject of profitable animal husbandry practices to follow first calving at early age & make the importance of the same understood our financially backward milk producers, union had implemented NECO project since 2006-2007 under elite herd scheme. During that year 22000 Cow / Buffalo heifers were registered & all were given fertility kit in which 81.1% heifers became pregnant. By the success of this scheme we get inspired to start new NECO animal project being implemented from August, 2012 in which 48396 Cow/ Buffalo heifers were registered out of which 82% cow/buffalo heifers were became pregnant by the success of the programme & Under NECO – 3 project 55826 cow/buffalo heifers were registered up to March, 2012

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

After the successive implementation of NECO project of Sumul Dairy, a similar programme FIP (Fertility Improvement Programme) being implemented by GCMMF, Anand since 2007-2008. Every year different milk societies are selected & after the registration of unproductive cow/buffalo heifer & dry animals, they are being treated by the experts in 4 infertility camps at 45 days interval & With a vision to make productive such unproductive animals, this successful programme is being implemented. Registered animals under this programme will be given 2 packets of Sumul Kruminashak Dan, 5 kg Sumineral forte plus powder, 3







bags of Sumul elite Dan to avoid malnutrition & worms load. Success of the programme is mentioned below.

FIP – 1		FIP – 2	
No of Registered Animals	% of Pregnant Animals	No of Registered Animals	% of Pregnant Animals
13099	82.2	14750	80.20
FIP – 3		FIP – 4	
No of Registered Animals	% of Pregnant Animals	No of Registered Animals	% of Pregnant Animals
14796	80.00	12675	80.00
FIP – 5			
No of Registered Animals	% of Pregnant Animals		
10068	79.00		

#### PERCENTAGE OF PREGNANT ANIMALS

Union	FIP – 1 (2008 – 09)	FIP – 2 (2009 – 10)	FIP – 3 (2010 – 11)	FIP – 4 (2011 – 12)	FIP – 5 (2012 – 13)
Kaira	71	79	78	78	76
Mehsana	70	81	80	80	79
Sabarkantha	76	77	74	77	73
Banaskantha	64	73	74	72	73
Surat	82	80.2	80	80	79
Vadodara	63	73	72	71	59
Panchmahal	66	69	60	73	65
Amdavad	60	72	73	72	70
Valsad	75	76	78	77	80
Rajkot	79	83	87	79	84





During 2012-2013 8245 animals get registered & they have been tried to make pregnant in 3 infertility camps till the date. The progress of the programme is being submitted through internet & result can be seen from the any part of the world.

**SUMUL**

#### 9.6.... SUMUL DAN DISTRIBUTION:

We have made efforts to make cattle feed more balanced, nutritional and therapeutic, and we have been able to activate a "Feed Block Production Plant" – a first of its kind in Gujarat and fourth in India; thereby manufacturing "GOLD" and "POSHAK"; such two types of feed blocks - focusing the necessity of what type and how much an animal need in a day at the crux. Feed-block is an ideal substitute of green and dry fodder; which is a total mixed cattle feed. Moreover, we are also producing de-worming medicine blended cattle feed looking to the seasonal need. We are also fortifying the cattle feed with Vitamin E and live yeast culture four times in a year which develop positive influence on productivity and wellness of animals.

DETAILS	2011-2012	2012-2013
Production Capacity per day	300 MT / day	300 MT / day
Average production per day	456 MT per day	494 MT per day
Total sale of Dan	150385.272 MT	163256 MT
Sumul Feed Block (Gold)	6678 Nos	8375 Nos
Sumul Feed Blocks (Poshak)	2015 Nos	1823 Nos
Sumul Fodder Blocks	13244 Nos	18705 Nos
Sumul Calcium Pellets (1 kilo pack)	9460 Packets	2480 Packets
Sumul Milk Shakti (SMS) 1 kilo pack	72208 Packets	130590 Packets

#### 9.7.... CHELATED MINERALS:

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 milch animals and milk production. In order to maintain animal in good health, we have supplemented mineral deficiencies by adding mineral mixture in cattle feed. Keeping mineral deficiency issues in mind, mineral mixture powder plant at Chalthan have been made operational. We have supplied 130590 Kg chelated mineral mixture to milk co-operatives. Generally, during monsoon season, more number of milch animals gets infested with worm infestation. Keeping this issue in mind, we have manufactured balanced cattle feed fortified with adequate dose of Anthelmintic (De wormer) drugs and supplied it to DCS during October- 12 when worm infestation in maximum.







Digestibility of dry fodder like paddy straws can be enhanced by Urea Treatment.

Details	2011-2012	2012-2013
Suda Distribution (No)	07	10
Electric Chaff cutters (No)	618	708

#### 9.8..... SUMUL GROUP INSURANCE & PUBLIC PERSONAL ACCIDENT POLICY:

Earning of the member gets vanished when priceless animal-herd dies either due to disease or by any other mean. In order to see continuation of the income, Union is supporting insurance scheme of animals. Under this scheme, 12655 animals were covered under 1765 policies. Necessary premium was paid to Insurance firm; and getting upon approval of 734 insurance claims, amount of Rs. 20770000 have been paid to members.

Under "Janta Accident Policy" 3458 members are being covered under insurance out of which Late Shri Surendrasinh Anopsinh Deodhara who was the resident of the village – Dambha (Kharbhasi) Taluka – Palsana & Late Shri Jayantibhai Parshottambhai Patel who was the resident of the village Khanjroli taluka – mandvi demised & their inheritors have received the cheque of RS 1, 00, 000.00 each.

#### 9.9.... CALF REARING AT SUMUL ANIMAL BREEDING CENTRE AT VANSKUI:

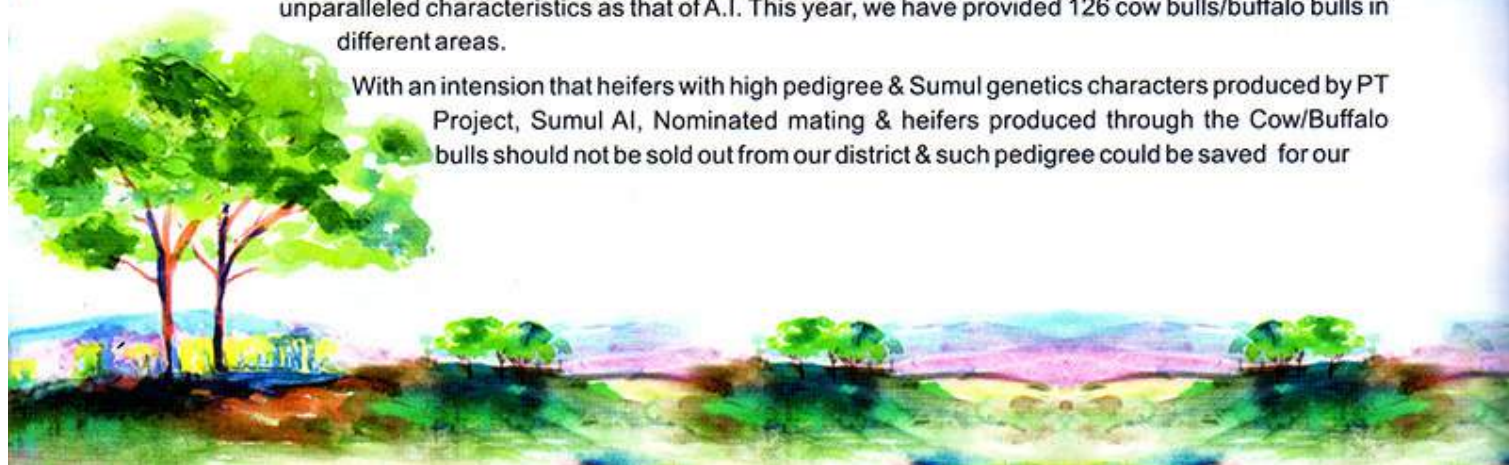
Population of adult animals in our district accounted through A.I. ranges 30 to 35%, and, through natural service ranges 70-75% by cow bulls/buffalo bulls having very poor hereditary characteristics, which can possess genetic diseases too. Progeny born through such natural services are very pathetic whose milk yielding capacity is very low. Such animals are not affordable in the time to come.

With the objective to develop cow bulls and buffalo bulls possessing finest characteristics for such natural service, a Breeding Center has been established at Vanskui of Mahuva taluka.

Under DIPA (Progeny Testing) programme, cow- heifers/buffalo-heifers possessing finest hereditary characteristics are tested for contagious diseases and genetic diseases. And those which have clean record, will be brought to the center and nurtured with scientific techniques; and then will be allotted to areas where A.I. is least acknowledged.

In future, finest bulls will be produced through bulls provided from our Vanskui center which will have unparalleled characteristics as that of A.I. This year, we have provided 126 cow bulls/buffalo bulls in different areas.

With an intension that heifers with high pedigree & Sumul genetics characters produced by PT Project, Sumul AI, Nominated mating & heifers produced through the Cow/Buffalo bulls should not be sold out from our district & such pedigree could be saved for our





milk producers we have started Cow/buffalo heifer rearing centre at "SV –ABC " at Vanskui Taluka – Mahuva in which such heifers are purchased from milk producer who wants to sell or milk producer who is unable to rear are reared at the centre & given to our milk producer only. During the year 537 such pregnant heifers are being distributed in the district.

**SUMUL**

#### 9.10.... ITEGRATED DAIRY DEVELOPMENT PROGRAMME:

For the BPL & tribal beneficiaries, the purchase of milch animals & the provision of infrastructure Tribal development department of government has granted RS 60.32 Crore for this programme in which 34.24 crore rupees will be subsidized.

Till today 3908 loan forms of beneficiaries have been approved out of which 5126 milch animals were gathered by arranging Cattle fair at nearby area & 1654 milch animals have been distributed with the assistance of RS 17400.00 & tribal beneficiaries are made engaged in this profession with the assistance of 3 years Animal insurance, Training to beneficiary, 1 bag cattle feed also.

#### 9.11....ARTIFICIAL INSEMINATION TRAINING CENTRE:

AI training is an essential part of the animal husbandry. As AI is most important to make animal husbandry business profitable, AI training also has the same importance.

For the forth coming year, we have received Rs. 27 Lac from Gujarat Live stock Development Board. under the establishment of new AI centres by which we could strengthen the AICentres more

2012 – 2013 became a quality year for our AI training centre. AI workers passed out during the year 2012 – 2013 had been trained by arranging intensive training by which they could get more practice regarding AI

**Training given by AITC as mentioned below.**

No	Training	Training Days	2011-12		2012-13	
			Sumul	Other	Sumul	Other
1	AI & first Aid training	50	24	49	48	55
2	AI & first aid refresher training	2	-	27	-	-
3	Scientific Animal husbandry training (under Atma-agriculture technology & management agency)	3	335	196	-	99
	Total		359	272	48	154





#### **9.11..... ANIMAL HUSBANDRY CAMPS ARRANGEMENT CUM EXHIBITION:**

During 2012 – 2013 Animal Husbandry Department of Gujarat Government had arranged Animal Husbandry camps cum exhibition to make aware our milk producers by scientific animal husbandry practices & to make animal husbandry practices more intensive.

Under the subject, 5 talukas of Surat District had been allotted to the Sumul Dairy, Surat for the animal husbandry camps in which very good response been received by the milk producers. In such camps 254 at Vanskui (Mahuva), 180 at Gangadhara (Palsana), 297 at Navipardi (kamrej), 238 at Kharvasa (Bardoli) & 520 at Olpad in Ladies Animal husbandry camp have been participated

In such camps, lecturers have been selected & invited in such a way that local milk producer can get them very easily. So, Experts from Veterinary department Gujarat state, Scientist from Veterinary college of Agriculture university, Experts from Dairy unions, experts from veterinary research centre of Government of India had been invited to deliver their lectures. All these experts had given the lecture in the subject of Animal health, Animal Nutrition, Animal breeding & Animal care in such way that milk producer can get very easily. After that some time was allotted for questionnaires in which they get their solution by asking the question regarding their problems.

#### **10..... INFORMATION TECHNOLOGY:**

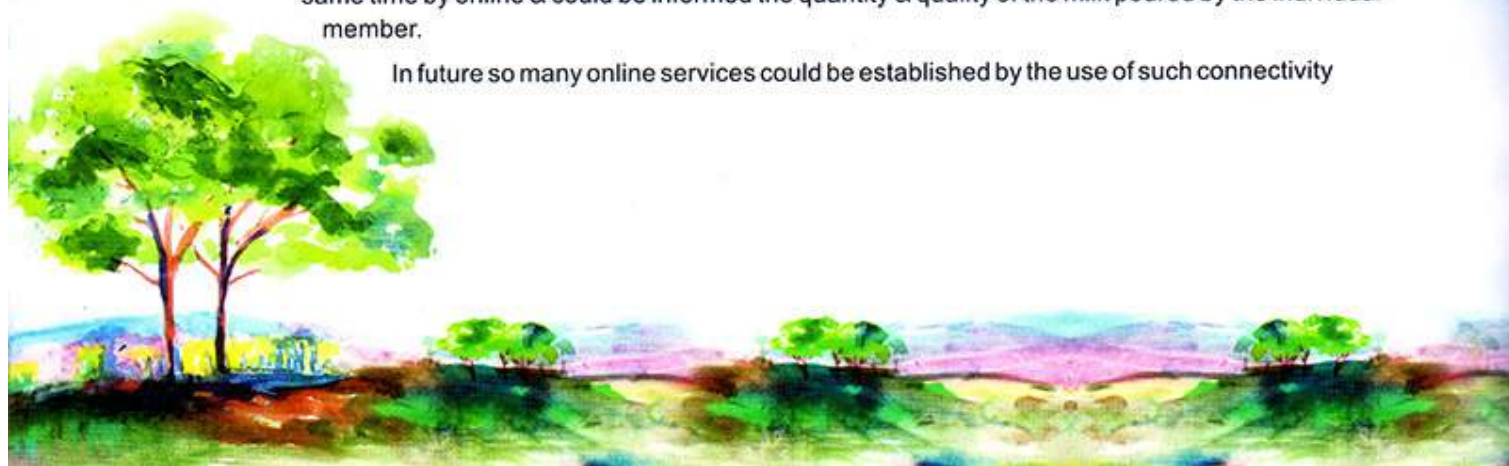
##### **BCU DATA PROCUREMENT:**

Sumul dairy has established so many BCUs to improve the quality of milk & there are many BCUs where milk collection is gathered from one or more societies that's why it is necessary that milk collection at BCU must be of good quality.

In past Sumul Dairy was not aware the quantity of collected milk at BCU till it reaches to the dairy & due to no information regarding the quantity of milk union faced many problems & could not get the data in time. Sumul Dairy was receiving information from all societies as a united society information rather than a individual society that's why quantity & quality of the milk is poured to society by the members was remain unknown & all these information are essential for Sumul Dairy to implement animal husbandry practices very good & result oriented.

To keep noted all these problems, Sumul Dairy has connected BCU societies by mobile network & by this connectivity all the quantity & quality of the milk could be attended by the Sumul Dairy. As it is informed prior to the receipt of the quantity of the milk aligned preparation is being made. When the milk is poured to the BCUs it has already been informed to Sumul Dairy at the same time by online & could be informed the quantity & quality of the milk poured by the individual member.

In future so many online services could be established by the use of such connectivity







**SUMUL**

### **REAL TIME ORDER BOOKING SYSTEM BY MOBILE:**

In past agent was provided an order book to place his order to Sumul Dairy. If agent want to revise his order then it has to be revised in the hours fixed by the union, on phone only in which lot of time get wasted as phone become engaged & so many mistakes were found. To make all these daily order entered twice, time of more employee was wasted & union face direct loss when many times milk returns from the market. It requires much more place to preserve all the papers being used for such purpose.

To resolve all these problems, Dairy has developed a new real time order booking system on time demands by which agent can order according to his time & can revise also directly by mobile in time fixed by Sumul Dairy. As this system works online by mobile Dairy will get the order given by agent directly on computer, not a single has to be made separately & not a single mistake occurred. Agent can view his deposited amount also & can order as well. Thus he would get whatever be ordered.

For the utilization of above both systems in new style, Sumul Dairy has received India 3.0 INNOVATIVE AWARD from NASSCOM & CNBC TV 18 under most innovative enterprise project in exclusive IT category.

### **CCTV CAMARA PROJECT:**

At present it is very essential to be safe for anyone & any organization for which Dairy has established IP camera with new advanced technology to the Dairy plant & other sensitive places. These cameras record the particular place very qualitatively & accurately by which what happened at particular place & time could be reviewed.

### **IP TELEPHONY:**

Sumul Dairy has established a new IP phone system which is digital totally could receive voice quality very good. As such system is working on IP system, any employee present in Sumul Dairy can talk to any chilling centre directly which is totally free of cost. In this system there is incoming or outgoing of 30 phones at a time on single phone. So, any time no one has to wait to talk even phone is busy.

### **VEHICLE TRACKING SYSTEM:**

Milk is brought to Sumul Dairy from the BCUs & Chilling centre by the tanker. It is necessary for the quality point of view of the milk to reach Sumul Dairy from BCUs & chilling centre As soon as possible.

Many times it happened that tanker does not reach to the Dairy in time without any reason for that Sumul Dairy has established GPS / GSM tracking machines







on the tankers governed by Sumul Dairy by which location of the tanker can be known instantly. Speed of the tanker Or the time of the halt of the tanker at the particular place could also be known instantly & if halt is made unnecessarily without any reason it could be punishable. So, Milk can be brought to Sumul at the earliest by stopping theft of milk or wastage of time without any reason on the way.

#### 11..... TOTAL QUALITY MANAGEMENT:

To get step matched with the inter national level rules of Food safety, our union had grabbed the certificate of ISO 9002:1994 & codex HACCP- 9000 from the year of 2000. In the year 2003 as per up gradation in ISO 9001:2008, we had modernized our quality management system & the implementation of the same at our Navipardi centre, we had grabbed the 9001:2008 & codex HACCP certificate for Navipardi centre also.

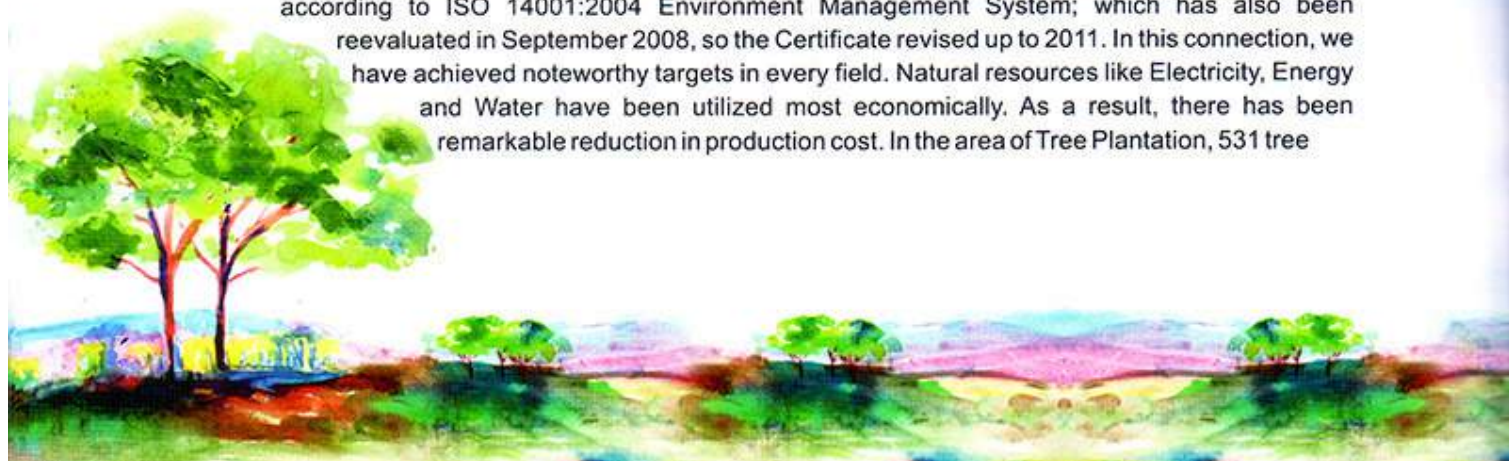
To add further, Government of India has released the Food Safety and Standards Act 2006, in addition to the Prevention of Food Adulteration Act, 1954. This way our responsibility starts right from animal care, milk society, bulk chilling unit, chilling centre, transportation, care and caution during processes at central dairy plant, and suggests us to ensure supply of clean and quality milk to consumers in view of slogan 'Grass to Glass'. Under GMP method of clean production & codex HACCP edible food safety new ISO standard 22000 was implemented & such certificate had been grabbed in 2008. A step towards to adopt inter national level Quality management, Bajipura Chilling centre had also been surveyed by "Sai Global, Australia" & given the certificate of ISO 9001:2008 & codex HACCP.

In January, 2011 all centres of the union are covered under inter national quality management & all Navipardi, Bajipura, Nizar & Uchchhal have been given ISO 9001:2008 certificate.

We could improve persistent step by step improvement in the quality of the milk. At rural level 6 societies had received ISO 9001:2008 in 2005 & that had also been revaluated in 2008 & renewed up to 2011. In, 2010 April more 26 societies have received ISO: 9001:2008 certificate. Recently implementation ISO in another 49 milk societies were made & surveyed by the "Sai – Global, Australia" & all these 49 societies are nominated to issue ISO: 9001:2008 certificate. In 2013 – 14 it is planned to cover 50 societies more under ISO 9001 – 2008 quality management system.

In Sumul Dan Factory, Chalthan implementation since August, 2001 as per ISO: 9001:2001 is now evaluated as per ISO: 9001:2008 in March, 2013 & is made modernized.

Our Union which is certified for ISO 14001:1996 in the year 2002 has modified the system according to ISO 14001:2004 Environment Management System; which has also been reevaluated in September 2008, so the Certificate revised up to 2011. In this connection, we have achieved noteworthy targets in every field. Natural resources like Electricity, Energy and Water have been utilized most economically. As a result, there has been remarkable reduction in production cost. In the area of Tree Plantation, 531 tree





plantlets have been transplanted & grass loan in 1050 sq. ft in the Union and along with this union has planted 1037270 tree saplings through milk societies & been a partner in "World Record Tree Plantation" programme & become eco friendly which definitely increases the environmental status. Union gets cooperation from all cooperative friends to get good environment for the next generation.

Advanced instruments - developed for chemical analysis of milk – four Milk-O-Scan Major and two Milk-O-Scan Minor are operational in laboratories at Sumul Dairy and Chilling Centers. Such facility will also be available at Uchchhal chilling centre & Nizar chilling centre. Thus, all analysis can be handled perfectly. Nevertheless those who adulterate milk for just little advantage, due to which when samples drawn are found inferior from chemical and microbiological stand, become crime under new 'Food Safety and Standards Act' released by Government of India; which lead to infamy and disgrace to the Union. Let us all endeavor to succeed in all the fields by beaming TQM oriented efforts initiated through camaraderie. Milk samples of 100 cows & 100 buffalo for BR examination were studied by Quality Assurance Department with the help of CD department to aware regarding the limits of BR of milk.



## 12.....NEW PROJECTS & EXPANSION ACTIVITIES:

To make milk processing more speedy & new products to be introduced in the market & to increase the capacity of the plant, machineries with well advanced technology being purchased & step by step extension of the plant is being done. Details are in short as follows.

- We have installed Sterilizer / Homogenizer from Finland with UHT technology started recently & packing machine of Aleckster by which we can preserve the milk & its quality for long time. Milk packed by this machine will be preserved up to 30 days without freeze.
- At Sumul Dairy, Surat in newly constructed cold storage, a goods lift is started to reach butter to the upper floor. At present 1000 tons of butter can be stored at Sumul Dairy, Surat.
- At Sumul Dairy, Surat to make packing procedure faster 5 packing machine of mechanical type high speed activated by which packing process will be more speedy that milk could be reached in the market in time. So, for this to make more crate available high speed crate washer being activated.
- At Sumul dairy, Surat required foundation for the milk silo being made two 150 KL capacity milk silo are being started by which storage capacity of the procured milk is increased by the same way one 150 KL silo has been made started to store the process milk also.
- At Sumul Dairy, Surat a slab construction work joining to two building is being started which may leave more vacant place in which crate washing department could be shifted upper floor. In addition UHT room, Boiler house & a new water tank are also being under construction.
- At sumul Dairy, Surat Paneer department has been shifted to the hygienic place where a new Paneer press, Wat & Packing machine & a new Paneer cold room is started & energy has also been saved with this.







- At Sumul Dairy, Surat in process department pasteurize automation is being done by which process automation milk quality has been improved as well as energy has also been saved. Process 30 KLPH capacity new Homogenizer & Automatic standardized unit with 30 KLPH capacity separator stated by which plant capacity has been increased by which quality of the milk also been improved.
- To make butter a 2 ton / Hour capacity continuous butter plant has been started.
- At Vanskui a new transformer has been started & a new Gas generator has been ordered by which electricity is being produced by the biogas, cattle shed power could be saved.
- Sumul Dairy, Lahe plant at Nasik, Milk silo, pouch machine, Refrigeration, a new boiler house, capacity of the such field have been increased & by the RCC work, structure as per the demand this plant is being made advanced.
- At Nizar Chilling centre & Uchchhal Chilling centre of the union, 1 ton capacity boiler as been started by which cleaning of tank & line & cleaning of milk can with sufficient hot water supply, milk quality has been improved.
- At Bajipra chilling centre of the union a new Ammonia compressor, Lighting transformer & RO plant are being started
- At Navipardi chilling centre of the union a new Ammonia compressor, Lighting transformer & RO plant are being started

### 13.....EXPRESS GRATITUDE:

We have been receiving guidance from the Chairman & Managing Director, Gujarat Co-operative Milk Marketing Federation Ltd. as and when required for which we are indebted and grateful to him.

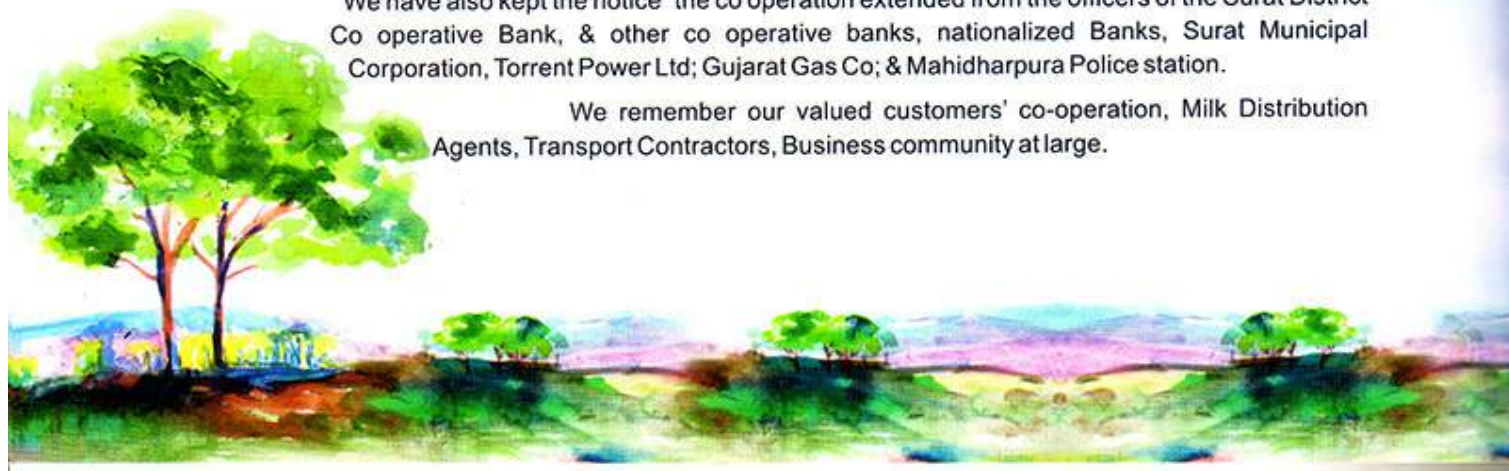
We have been receiving Technical & Financial Assistance from National Dairy Development Board. We are thankful to its Chairperson and Managing Director for guidance and support

We are thankful to Chairman, Managing Director and General Manager of every member unions for their guidance, support and cooperation.

State Government and its various departments, especially Animal Husbandry, Co-operation, District Registrar, Surat, Tribal Sub-Plan, Mandvi, Songadh, Jilla Panchayat, Taluka Panchayat has extended their co-operation for which we are thankful to them.

We have also kept the notice the co operation extended from the officers of the Surat District Co operative Bank, & other co operative banks, nationalized Banks, Surat Municipal Corporation, Torrent Power Ltd; Gujarat Gas Co; & Mahidharpura Police station.

We remember our valued customers' co-operation, Milk Distribution Agents, Transport Contractors, Business community at large.





We are thankful to Management of Milk Co-operative Societies, their staff and members for their co-operation in management and implementation of various extension programs.

There has been significant contribution of friends of committee of the union, fellow workers, Managing Director Shri Jayeshbhai Desai, officers and staff members in satisfactory management and progress of the organization. With pride, we take note of their contribution and heartily thank them for their contribution,

**Sumul Dairy,**  
**Surat**  
Dt.24.04.2013

By order of Board of Directors  
**Mansinhbhai Kalyanjibhai Patel**  
Chairman







**Surat District Co-operative Milk Producers' Union Ltd.**

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