Enterprise Software Works | Nandi Dairy ERP | March 1, 2013

Nandi Dairy ERP

Software requirement specification v0.1

# Introduction

Nandi Milk Products Pvt. Ltd. was incorporated in the year 1997, under the aegis of Sri. S.P.Y Reddy, Founder Chairman, Nandi Group of Companies. The company initially started procurement of milk from nearby district and marketed it under the brand of Nandi.

Over the decades the company has grown and has presence in Tamil Nadu, Karnataka. The company is equipped with state of art processing machinery and has sophisticated laboratory to process and check the quality of the milk. The company is known for providing high quality milk and milk products.

The company′s main processing center is located in Nandyal, Kurnool District. It also operates multiple processing centers in the state.

Nandi Dairy has identified a need to develop “Dairy ERP” software application, which enables Nandi Dairy xxx. This software application will help Procurement Managers, Chilling Center Managers, Processing Managers, Production Managers, Sales Manages, Store Managers, Inventory Managers, Financial Managers, Support Staff, Marketing, Customers and various other departments involved in the Nandi Dairy business process. This solution will act as an “Internet/Intranet application” to automate the business process to a large extent.

Based on series of discussions we had with the Nandi Dairy team, we understand the criticality of DairyERP to Nandi Dairy business.

Some of the objectives that DairyERP will help to achieve are:-

* To automate the current business process at Nandi Dairy to improve the efficiency of business process.
* Provide necessary reports to empower business growth
* The proposed solution will seamlessly fit in to the Nandi Dairy Internet/Intranet.

# Administration

Administration Module helps to set up

## Chilling Center

Nandi Dairy have various fully owned & operated chilling centers spread across various districts in Andhra Pradesh. The Main business process of chilling center is to collect milk from associated routes, perform qualitative & quantitative analysis, keep milk hygiene, maintain milk temperature using cooling technologies and deliver milk to processing plant.

DairyERP provide following features to maintain chilling centers information as below

* Add Chilling Center
* Chilling Center List

### Add Chilling Center

Add Chilling Center feature helps to create new chilling center.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| Chilling Center Name | Text Box |  | M | Unique Name Validation |
| Capacity | Text Box |  | O |  |
| UOM | Drop Down |  | O | KGs, Litres, Other? |
| Primary Contact Person | Text Box |  | M |  |
| Contact Type | Drop Down |  | M | Fixed Line, Mobile Other? |
| Contact Number | Text Box |  | M |  |
| Email | Text Box |  | M | Email Validation |
| Secondary Contact Person | Text Box |  | O |  |
| Contact Type | Drop Down |  | O | Fixed Line, Mobile Other? |
| Contact Number | Text Box |  | O |  |
| Email | Text Box |  | O | Email Validation |
| Address |  |  |  |  |
| Address Line1 | Text Box |  | Y | at least address line 1 is mandatory |
| Address Line2 | Text Box |  | O |  |
| Address Line3 | Text Box |  | O |  |
| City | Text Box |  | O |  |
| State | Text Box |  | O |  |
| Zip Code | Text Box |  | O |  |

### Chilling Center List

Chilling Center List feature to list all the chilling centers and provide a navigation to each chilling center to view/edit/update/delete existing chilling center information.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| Chilling Center Name | Label |  | M | It’s an hyperlink and provide navigation to each chilling center |
| Capacity | Label |  | O |  |
| UOM | Label |  | O |  |
| Primary Contact Person | Label |  | M |  |
| Contact Type | Label |  | M |  |
| Contact Number | Label |  | M |  |
| Email | Label |  | M |  |
| Secondary Contact Person | Label |  | O |  |
| Contact Type | Label |  | O |  |
| Contact Number | Label |  | O |  |
| Email | Label |  | O |  |
| Address | Label |  |  | Concatenated Address |

## Procurement Route

Procurement Route is a logical entity/route to transfer procured milk from various collection centers to Chilling center in a shortest time.

DairyERP provide following features to maintain Procurement Routes information as below

* Add Procurement Route
* Procurement Route List

### Add Procurement Route

Add Procurement Route feature helps to create new procurement route.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| Chilling Center Name | Drop Down |  | M |  |
| Procurement Route Name | Text Box |  | M | Unique Name Validation |
| Distance | Text Box |  | M |  |
| UOM | Drop Down |  | M | KMS, Miles, Other? |

### Procurement Route List

Procurement List feature to list all the procurement routes and provide a navigation to each procurement route to view/edit/update/delete existing procurement route information.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
|  | | | | |
| **Search** | | | | |
| Chilling Center | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Procurement Route | Text Box |  | O | Not a mandatory and if value present  it applies "AND" condition |
|  |  |  |  |  |
| **Procurement Route List** |  |  |  |  |
| Procurement Route Name | Label |  | M | It's an hyperlink and provide navigation to each procurement route |
| Chilling Center | Label |  | M |  |
| Distance | Label |  | M |  |
| UOM | Label |  | M |  |

## Collection Center

Collection Center is an organization to procure milk from various farmers. The main business process of collection center is to collect milk, perform quantitative& qualitative analysis and distribute milk bills.

\* Interaction with farmers, distribute milk bill to farmers is out of scope for this application. The application scope limits to distribution milk bill to collection centers/agents.

DairyERP provide following features to maintain Collection Centers information as below

* Add Collection Center
* Collection Center List

### Add Collection Center

Add Collection Center feature helps to create new collection center.

| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| --- | --- | --- | --- | --- |
| Chilling Center | Drop Down |  | M |  |
| Procurement Route | Drop Down |  | M | Auto populates associated  chilling center's routes |
| Collection Center Name | Text Box |  | M | Unique Name Validation |
| Primary Contact Person | Text Box |  | M |  |
| Contact Type | Drop Down |  | M | Fixed Line, Mobile Other? |
| Contact Number | Text Box |  | M |  |
| Email | Text Box |  | M | Email Validation |
| Secondary Contact Person | Text Box |  | O |  |
| Contact Type | Drop Down |  | O | Fixed Line, Mobile Other? |
| Contact Number | Text Box |  | O |  |
| Email | Text Box |  | O | Email Validation |
| Address |  |  |  |  |
| Address Line1 | Text Box |  | Y | at least address line 1  is mandatory |
| Address Line2 | Text Box |  | O |  |
| Address Line3 | Text Box |  | O |  |
| City | Text Box |  | O |  |
| State | Text Box |  | O |  |
| Zip Code | Text Box |  | O |  |

### Collection Center List

Collection Center List feature to list all the collection centers and provide a navigation to each collection center to view/edit/update/delete existing collection center information.

| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| --- | --- | --- | --- | --- |
| **Search** | | | | |
| Chilling Center | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Procurement Route | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Collection Center | Text Box |  | O | Not a mandatory and if value present  it applies "AND" condition |
| **Collection Center List** |  |  |  |  |
| Collection Center | Label |  | M | It's an hyperlink and provide navigation to each collection center |
| Procurement Route | Label |  | M |  |
| Chilling Center | Label |  | M |  |
| Primary Contact Person | Label |  | M |  |
| Contact Type | Label |  | M |  |
| Contact Number | Label |  | M |  |
| Email | Label |  | M |  |
| Secondary Contact Person | Label |  | O |  |
| Contact Type | Label |  | O |  |
| Contact Number | Label |  | O |  |
| Email | Label |  | O |  |
| Address | Label |  |  | Concatenated Address |

## Milk Procurement Rate Card

Milk procurement rate card is an applicable rate card information to calculate milk bill for given collection center, procurement route, chilling center and dairy. Milk procurement rate card can be defined at collection center level, procurement route level, and chilling center level and at dairy level.

If milk procurement rate card is not defined at low level organization, application try to pick up applicable milk rate card from immediate high level organization.

For Ex:

* If collection center’s milk procurement rate card is not defined, application look for associated procurement route’s milk procurement rate card.
* If procurement route’s milk procurement rate card is not defined, application look for associated chilling center’s milk procurement rate card.
* If chilling center’s milk procurement rate card is not defined, application look for associated dairy’s milk procurement rate card.

DairyERP provide following features to maintain Milk Procurement Rate Card information as below

* Add Milk Procurement Rate Card
* Milk Procurement Rate Card List

### Add Milk Procurement Rate Card

Add milk procurement rate card feature helps to create new milk procurement rate card.

* For each milk type, separate milk procurement rate card needs to be defined.
* Milk procurement rate card is effective from only start date and valid till end date only.
* In add milk procurement rate card, none of organizations (chilling center, procurement route, collection center) is selected, rate card will be created at dairy level.
* In add milk procurement rate card, if chilling center is selected but procurement route, collection center is not selected, and then rate card will be created at chilling center level.
* In add milk procurement rate card, if chilling center and procurement route is selected but collection center is not selected, and then rate card will be created at procurement route level.
* In add milk procurement rate card, if chilling center and procurement route is selected but collection center is not selected, and then rate card will be created at procurement route level.
* In add milk procurement rate card, if chilling center, procurement route and collection center is selected, and then rate card will be created at collection center level.

| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| --- | --- | --- | --- | --- |
| Start Date | Text Box and Date Picker |  | M |  |
| End Date | Text Box and Date Picker |  | M |  |
| Chilling Center | Drop Down |  | O |  |
| Procurement Route | Drop Down |  | O | Auto populates associated  chilling center's procurement routes |
| Collection Center | Drop Down |  | O | Auto populates associated  procurement route's centers |
| Milk Type | Drop Down |  | M | Cow Milk, Buffalo Milk, Both |
| Rate Card Type | Drop Down |  | M | Per KG, Per Litre, Per KGFat,  Per KGSNF, any other? |
| Special Indicator | Check Box |  | O |  |
| Additional Cartage % | Text Box |  |  |  |
| Rate Attributes Table - Add Row/ Remove Row - Sort by Rate Attribute type - Fat Rate, Commission, SNF Premium, SNF Deduction) | | | | |
| Rate Attribute | Drop Down |  | M | Fat Rate, SNF Premium, SNF deduction,  Commission, any other? |
| Rate Attribute Sign | Drop Down |  | M | Addition, Deduction |
| Rate Type | Drop Down |  | M | Per KG, Per KGFat, Per KGSNF,   any other? |
| Fat From | Text Box |  | M |  |
| Fat To | Text Box |  | M |  |
| SNF From | Text Box |  | M | If attribute type is SNF Premium  SNF From and SNF To are optional . Any other relaxation? |
| SNF To | Text Box |  | M | If attribute type is SNF Premium  SNF From and SNF To are optional . Any other relaxation? |
| Rate | Text Box |  | M | It's an amount and not a percentage |

### Milk Procurement Rate Card List

Milk Procurement Rate Card List feature to list all the milk procurement rate card lists and provide a navigation to each milk procurement rate card to view/edit/update/delete existing milk procurement rate card list information.

Expect for view, milk procurement rate card can’t be simply edited/updated/deleted. It requires a separate work flow to approve the change and to update the associated information.

| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| --- | --- | --- | --- | --- |
| **Search** | | | | |
| Chilling Center | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Procurement Route | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Collection Center | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Milk Type | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Rate Card Type | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Special Indicator | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition Yes, No |
| Additional Cartage | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition Yes, No |
| Start Date | Text Box and  Date Picker |  | M |  |
| End Date | Text Box and  Date Picker |  | M |  |
|  |  |  |  |  |
| **Milk Procurement Rate Card List** |  |  |  |  |
| Start Date | Label |  | M |  |
| End Date | Label |  | M |  |
| Chilling Center | Label |  | M | It's an hyperlink and provide navigation to associated chilling center milk rate card |
| Procurement Route | Label |  | M | It's an hyperlink and provide navigation to associated procurement route milk rate card |
| Collection Center | Label |  | M | It's an hyperlink and provide navigation to associated collection center milk rate card |
| Milk Type | Label |  | M |  |
| Rate Card Type | Label |  | M |  |
| Special Indicator | Label |  | M |  |
| Additional Cartage | Label |  | M |  |

## Transport Organization

Transport Organization is an entity to transfer milk & milk products from one location to other location. The main business process of transport organization is to transfer milk from collection centers to chilling centers, chilling centers to processing plant, processing plant to sale counters.

DairyERP provide following features to maintain Transport Organization information as below

* Add Transport Organization
* Transport Organization List

### Add Transport Organization

Add Transport Organization feature helps to create new transport organization.

| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| --- | --- | --- | --- | --- |
| Transport Organization | Text Box |  | M | Unique Name Validation |
| Primary Contact Person | Text Box |  | M |  |
| Contact Type | Drop Down |  | M | Fixed Line, Mobile Other? |
| Contact Number | Text Box |  | M |  |
| Email | Text Box |  | M | Email Validation |
| Secondary Contact Person | Text Box |  | O |  |
| Contact Type | Drop Down |  | O | Fixed Line, Mobile Other? |
| Contact Number | Text Box |  | O |  |
| Email | Text Box |  | O | Email Validation |
| Address |  |  |  |  |
| Address Line1 | Text Box |  | Y | at least address line 1 is mandatory |
| Address Line2 | Text Box |  | O |  |
| Address Line3 | Text Box |  | O |  |
| City | Text Box |  | O |  |
| State | Text Box |  | O |  |
| Zip Code | Text Box |  | O |  |

### Transport Organization List

Transport Organization List feature is to list all the transport organizations and provide a navigation to each transport organization to view/edit/update/delete existing transport organization information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| Transport Organization Name | Label |  | M | It's an hyperlink and provide navigation to each Transport Organization |
| Primary Contact Person | Label |  | M |  |
| Contact Type | Label |  | M |  |
| Contact Number | Label |  | M |  |
| Email | Label |  | M |  |
| Secondary Contact Person | Label |  | O |  |
| Contact Type | Label |  | O |  |
| Contact Number | Label |  | O |  |
| Email | Label |  | O |  |
| Address | Label |  |  | Concatenated Address |

## Vehicle

Vehicle is an asset of transport organization and will be used transport purposes.

DairyERP provide following features to maintain Vehicle information as below

* Add Vehicle
* Vehicle List

### Add Vehicle

Add Vehicle feature helps to create new vehicle.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| Transport Organization | Drop Down |  | M |  |
| Route Type | Drop Down |  | M | Procurement, Plant, Sale, any Other? |
| Default Route | Drop Down |  | M | Auto populates associated  route type's routes |
| Vehicle Type | Drop Down |  | M |  |
| Vehicle Number | Text Box |  | M | Unique Name Validation |
| Capacity | Text Box |  | O |  |
| UOM | Drop Down |  | O | KGS, Litres, Other? |
|  |  |  |  |  |
| Insurance History |  |  |  |  |
| Add Row / Delete Row |  |  |  |  |
| S.NO | Text Box |  | O |  |
| Insurance Provider | Drop Down |  | O |  |
| Policy No | Text Box |  | O |  |
| Insurance Start Date | Text Box |  | O |  |
| Insurance End Date | Text Box |  | O |  |
| Insured Amount | Text Box |  | O |  |
| Policy Amount | Text Box |  | O |  |

### Vehicle List

Vehicle List feature is to list all the vehicles and provide a navigation to each vehicle to view/edit/update/delete existing vehicle information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| **Search** | | | | |
| Transport Organization | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Route Type | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Default Route | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Vehicle Type | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Vehicle Number | Text Box |  | O | Not a mandatory and if value present  it applies "AND" condition |
| **Vehicle List** | | | | |
| Vehicle | Label |  | M | It's an hyperlink and provide navigation to each vehicle |
| Transport Organization | Label |  | M |  |
| Route Type | Label |  | M |  |
| Default Route | Label |  | M |  |
| Vehicle Type | Label |  | M |  |
| Capacity | Label |  | M |  |

## Transport Rate Card

Transport rate card is an applicable rate card information to calculate transport bill for given vehicle, procurement route, chilling center route and sale route. Transport rate card can be defined at vehicle level, procurement route level, chilling center route level, sale route level and at transport organization level.

If transport rate card is not defined at low level organization, application try to pick up applicable transport rate card from immediate high level organization.

For Ex:

* If vehicle’s transport rate card is not defined, application look for associated route’s transport rate card.
* If route’s transport rate card is not defined, application look for associated transport organization’s transport rate card.

DairyERP provide following features to maintain Transport Rate Card information as below

* Add Transport Rate Card
* Transport Rate Card List

### Add Transport Rate Card

Add transport rate card feature helps to create new transport rate card.

* Transport rate card is effective from only start date and valid till end date only.
* In add transport rate card, if transport organization is selected but route type, default route, vehicle is not selected, and then rate card will be created at transport organization level.
* In add transport rate card, if transport organization, route type, default route is selected but vehicle is not selected, and then rate card will be created at route level.
* In add transport rate card, if transport organization, route type, default route and vehicle is selected, and then rate card will be created at vehicle level.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| Start Date | Text Box and Date Picker |  | M |  |
| End Date | Text Box and Date Picker |  | M |  |
| Transport Organization | Drop Down |  | M |  |
| Route Type | Drop Down |  | O | Procurement, Plant, Sale, any Other? |
| Default Route | Drop Down |  | O | Auto populates associated  Route Type's routes. Mandatory if Route Type is selected |
| Vehicle | Drop Down |  | O | Auto populates associated  transport organization's vehicle |
| Rate card Type | Drop Down |  | M | Per KM, Per KG, Per Litre, Per KGFat,  Per KGSNF, any other? |
| Amount | Text Box |  | M | It’s an Amount and Not a Percentage |

### Transport Rate Card List

Transport Rate Card List feature is to list all the transport rate cards and provide a navigation to each transport rate card to view/edit/update/delete existing transport rate card list information.

Expect for view, transport rate card can’t be simply edited/updated/deleted. It requires a separate work flow to approve the change and to update the associated information.

| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| --- | --- | --- | --- | --- |
| **Search** | | | | |
| Transport Organization | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Route Type | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Default Route | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Vehicle | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Rate Card Type | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Start Date | Text Box and  Date Picker |  | M |  |
| End Date | Text Box and  Date Picker |  | M |  |
| **List of Transport Rate Card** |  |  |  |  |
| Start Date | Label |  | M |  |
| End Date | Label |  | M |  |
| Transport Organization | Label |  | M | It's an hyperlink and provide navigation to associated transport organization's transport rate card |
| Route Type | Label |  | M |  |
| Default Route | Label |  | M | It's an hyperlink and provide navigation to associated route's transport rate card |
| Vehicle | Label |  | M | It's an hyperlink and provide navigation to associated vehicle's transport rate card |
| Rate card Type | Label |  | M |  |
| Amount | Label |  | M |  |

## Sale Route

Sale Route is a logical entity/route to transfer milk & milk bi-products from dairy plant to sale centers in a shortest time.

DairyERP provide following features to maintain sale routes information as below

* Add Sale Route
* Sale Route List

### Add Sale Route

Add Sale Route feature helps to create new sale route.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| Sale Route Name | Text Box |  | M | Unique Name Validation |
| Primary Contact Person | Text Box |  | M |  |
| Contact Type | Drop Down |  | M | Fixed Line, Mobile Other? |
| Contact Number | Text Box |  | M |  |
| Email | Text Box |  | M | Email Validation |
| Secondary Contact Person | Text Box |  | O |  |
| Contact Type | Drop Down |  | O | Fixed Line, Mobile Other? |
| Contact Number | Text Box |  | O |  |
| Email | Text Box |  | O | Email Validation |
| Address |  |  |  |  |
| Address Line1 | Text Box |  | Y | at least address line 1 is mandatory |
| Address Line2 | Text Box |  | O |  |
| Address Line3 | Text Box |  | O |  |
| City | Text Box |  | O |  |
| State | Text Box |  | O |  |
| Zip Code | Text Box |  | O |  |

### Sale Route List

Sale Route List feature is to list all the sale routes and provide a navigation to each sale route to view/edit/update/delete existing sale route information.

| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| --- | --- | --- | --- | --- |
| Sale Route Name | Label |  | M | It's an hyperlink and provide navigation to each sale route |
| Primary Contact Person | Label |  | M |  |
| Contact Type | Label |  | M |  |
| Contact Number | Label |  | M |  |
| Email | Label |  | M |  |
| Secondary Contact Person | Label |  | O |  |
| Contact Type | Label |  | O |  |
| Contact Number | Label |  | O |  |
| Email | Label |  | O |  |
| Address | Label |  |  | Concatenated Address |

## Sale Center

Sale Center is an organization to sell milk & various milk bi-products. The main business process of sale center is to send sale indent, sell milk & milk bi-products, and payments.

DairyERP provide following features to maintain Sal Centers information as below

* Add Sale Center
* Collection Sale List

### Add Sale Center

Add Collection Center feature helps to create new sale center.

| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| --- | --- | --- | --- | --- |
| Sale Center Name | Text Box |  | M | Unique Name Validation |
| Sale Route | Drop Down |  | M |  |
| Primary Contact Person | Text Box |  | M |  |
| Contact Type | Drop Down |  | M | Fixed Line, Mobile Other? |
| Contact Number | Text Box |  | M |  |
| Email | Text Box |  | M | Email Validation |
| Secondary Contact Person | Text Box |  | O |  |
| Contact Type | Drop Down |  | O | Fixed Line, Mobile Other? |
| Contact Number | Text Box |  | O |  |
| Email | Text Box |  | O | Email Validation |
| Address |  |  |  |  |
| Address Line1 | Text Box |  | Y | at least address line 1  is mandatory |
| Address Line2 | Text Box |  | O |  |
| Address Line3 | Text Box |  | O |  |
| City | Text Box |  | O |  |
| State | Text Box |  | O |  |
| Zip Code | Text Box |  | O |  |

### Sale Center List

Sale Center List feature to list all the sale centers and provide a navigation to each sale center to view/edit/update/delete existing sale center information.

| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| --- | --- | --- | --- | --- |
| **Search** | | | | |
| Sale Route | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Sale Center | Text Box |  | O | Not a mandatory and if value present  it applies "AND" condition |
| **Sale Center List** |  |  |  |  |
| Sale Center | Label |  | M | It's an hyperlink and provide navigation to each sale center |
| Sale Route | Label |  | M |  |
| Primary Contact Person | Label |  | M |  |
| Contact Type | Label |  | M |  |
| Contact Number | Label |  | M |  |
| Email | Label |  | M |  |
| Secondary Contact Person | Label |  | O |  |
| Contact Type | Label |  | O |  |
| Contact Number | Label |  | O |  |
| Email | Label |  | O |  |
| Address | Label |  |  | Concatenated Address |

## Sale Rate Card

Sale rate card is an applicable rate card information to sale routes, sale centers and customers. Sale rate card can be defined at sale center level, sale route level, and at dairy level.

If sale rate card is not defined at low level organization, application try to pick up applicable sale rate card from immediate high level organization.

For Ex:

* If sale center’s sale rate card is not defined, application look for associated sale route’s sale rate card.
* If sale route’s sale rate card is not defined, application look for associated dairy’s sale rate card.

DairyERP provide following features to maintain Sale Rate Card information as below

* Add sale Rate Card
* Sale Rate Card List

### Add Sale Rate Card

Add sale rate card feature helps to create new sale rate card.

* Sale rate card is effective from only start date and valid till end date only.
* In add sale rate card, none of organizations (sale route, sale center) is selected, rate card will be created at dairy level.
* In add sale rate card, if sale route is selected but sale center is not selected, and then rate card will be created at sale route level.
* In add sale rate card, if sale route and sale center is selected, and then rate card will be created at sale center level.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| Start Date | Text Box and Date Picker |  | M |  |
| End Date | Text Box and Date Picker |  | M |  |
| Sale Route | Drop Down |  | O |  |
| Sale Center | Drop Down |  | O | Auto populates associated  sale route's sale centers |
| Product Details - Add Row / Remove Row | | | | |
| Product Category | Drop Down |  | M |  |
| Product Name | Drop Down |  | M | Auto populates associated  product category's products |
| Rate | Text Box |  | M | It's an amount and not a percentage |
| Bonus % | Text Box |  | O | It's a percentage |

### Sale Rate Card List

Sale Rate Card List feature to list all the sale rate card lists and provide a navigation to each sale rate card to view/edit/update/delete existing sale rate card list information.

Expect for view, sale rate card can’t be simply edited/updated/deleted. It requires a separate work flow to approve the change and to update the associated information.

| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| --- | --- | --- | --- | --- |
| **Search** | | | | |
| Sale Route | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Sale Center | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Start Date | Text Box and  Date Picker |  | M |  |
| End Date | Text Box and  Date Picker |  | M |  |
|  |  |  |  |  |
| **Sale Rate Card List** |  |  |  |  |
| Start Date | Label |  | M |  |
| End Date | Label |  | M |  |
| Sale Route | Label |  | M | It's an hyperlink and provide navigation to associated sale route rate card |
| Sale Center | Label |  | M | It's an hyperlink and provide navigation to associated sale center rate card |

## Product

Product is an entity which is an output processing & production. Nandi Diary produces various milk products & milk bi-products such as curd, ghee, sweets and bakery items. This feature is to create & maintain different products information.

DairyERP provide following features to maintain Product information as below

* Add Product
* Product List

### Add Product

Add Product feature helps to create new product.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| Product Name | Text Box |  | M | Unique Name Validation |
| Product Category | Drop Down |  | M |  |
| Quantity | Text Box |  | O |  |
| Product UOM | Drop Down |  | O | 200 ml, 500 ml, 1000ml, KGs,  Litres, ml, any other? |
| Current MRP | Text Box |  | O | It’s an Amount and Not a percentage |
| Product Attributes - Add Row/ Remove Row | | | | |
| Attribute Type | Drop Down |  |  | Fat %, SNF, Energy |
| Attribute Value | Text Box |  | M | if attribute type is chosen |

### Product List

Product List feature to list all the products and provide a navigation to each product to view/edit/update/delete existing product information.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| **Search** | | | | |
| Product Category | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Product Name | Textbox |  | O | Not a mandatory and if value present  it applies "AND" condition |
|  |  |  |  |  |
| **Product List** |  |  |  |  |
| Product Name | Label |  | M | It's an hyperlink and provide navigation to associated product name |
| Product Category | Label |  | M |  |
| Quantity | Label |  | M |  |
| Product UOM | Label |  | M |  |
| Current MRP | Label |  | M |  |

## Stock

Stock is an entity which is an input for processing & production. In this application context, we are referring store items also as stocks. This feature is to help to create & maintain various stock name which will be used by Nandi Dairy.

DairyERP provide following features to maintain Stock Name information as below

* Add Stock Name
* Stock Name List

### Add Stock Name

Add Stock Name feature helps to create new stock name.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| Stock Name | Text Box |  | M | Unique Name Validation |
| Stock Category | Drop Down |  | M | Stationary, Machinery, etc... |
| Quantity | Text Box |  | O |  |
| UOM | Drop Down |  | O | KGS, Litres, Units, any other? |
| Stock Attributes - Add Row/ Remove Row - Keep it for future purposes | | | | |
| Attribute Type | Drop Down |  |  | define later |
| Attribute Value | Text Box |  | M | if attribute type is chosen |

### Stock Name List

Stock Name List feature is to list all the stock names and provide a navigation to each stock name to view/edit/update/delete existing stock name information.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Length** | **Mandatory** | **Comments** |
| **Search** | | | | |
| Stock Category | Drop Down |  | O | Not a mandatory and if value present  it applies "AND" condition |
| Stock Name | Text Box |  | O | Not a mandatory and if value present  it applies "AND" condition |
|  |  |  |  |  |
| **Stock List** |  |  |  |  |
| Stock Name | Label |  | M | It's an hyperlink and provide navigation to associated stock name |
| Stock Category | Label |  | M |  |
| Quantity | Label |  | M |  |
| UOM | Label |  | M |  |

# Milk Procurement

# Transport

# Processing & Production

# Sales

# Financial Management

# Stock

# Inventory