

**SP. ENERGY CONSERVATION & ENERGY SAVING IN MANGALORE DAIRY**

(WITHOUT APORIONING ENERGY CONSUMPTION FOR MAJOR PRODUCTS GHEE,CURD &amp; HOMOGENIZATION)

(Reference to preceding year based on financial figure)

SLNO	DESCRIPTION	YEAR (APRIL TO MARCH)					
		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
A	Quntity of milk processed (million litre)	42.75	46.22	53.35	57.98	64.1	69.4
B	Total electricity purchased (million KWh)	1.878	1.812	2.102	2.193	2.423	2.556
C	Total furnace oil(kilo litre)	287.5	316.8	360.45	373.9	398.9	432.6
D	Total diesel consumption(KL)	70.76	39.54	33.148	32.635	30.765	41.77
E	Specific energy consumption kwh/litre of milk(B/A)	0.04393	0.03920	0.03940	0.03782	0.03780	0.03683
F	Specific energy consumption ltr of FO/litre of milkC/1000A)	0.00673	0.00685	0.00676	0.00645	0.00622	0.00623
G	Specific energy consumption ltr of diesel/litre of milk(D/1000A)	0.00166	0.00086	0.00062	0.00056	0.00048	0.00060
H	Av.electricity price(Rs/kwh)	4.35	4.35	4.6	4.7	4.7	4.7
I	Av.FO price(Rs./litre)	10.5	12.75	13	15	23	23
J	Av.diesel price(Rs/litre)	18.9	21.5	21.5	28	35	35
K	Ele.cost savings(Rs.10 lacs)	#REF!	0.9502	-0.0482	0.4297	0.0070	0.3165
L	FO cost saving(Rs 10 lacs)	#REF!	-0.0760	0.0679	0.2675	0.3327	-0.0165
M	Diesel cost saving(Rs 10 lacs)	#REF!	0.7947	0.2686	0.0949	0.1860	-0.2961
N	<b>Total cost savings(Rs 10 lacs)</b>	<b>#REF!</b>	<b>1.6689</b>	<b>0.2882</b>	<b>0.7921</b>	<b>0.5257</b>	<b>0.0039</b>
O	Total energy(Ele+FO+Diesel)(Rs.10	12.53	12.77	15.07	16.83	21.64	23.42
P	<b>% Energy cost savings</b>	<b>#REF!</b>	<b>13.07</b>	<b>1.91</b>	<b>4.71</b>	<b>2.43</b>	<b>0.02</b>

**SP. ENERGY CONSERVATION & ENERGY SAVING IN MANGALORE DAIRY**

(WITHOUT APORTIONING ENERGY CONSUMPTION FOR MAJOR PRODUCTS GHEE,CURD &amp; HOMOGENIZATION)

(Reference to base year 2001-02)

SLNO	DESCRIPTION	YEAR (APRIL TO MARCH)					
		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
A	Quntity of milk processed (million litre)	42.75	46.22	53.35	57.98	64.1	69.4
B	Total electricity purchased (million KWh)	1.878	1.812	2.102	2.193	2.423	2.556
C	Total furnace oil(kilo litre)	287.5	316.8	360.45	373.9	398.9	432.6
D	Total diesel consumption(KL)	70.76	39.54	33.148	32.635	30.765	41.77
E	Specific energy consumption kwh/litre of milk(B/A)	0.04393	0.03920	0.03940	0.03782	0.03780	0.03683
F	Specific energy consumption ltr of FO/litre of milkC/1000A)	0.00673	0.00685	0.00676	0.00645	0.00622	0.00623
G	Specific energy consumption ltr of diesel/litre of milk(D/1000A)	0.00166	0.00086	0.00062	0.00056	0.00048	0.00060
H	Av.electricity price(Rs/kwh)	4.35	4.35	4.60	4.70	4.7	4.7
I	Av.FO price(Rs./litre)	10.5	12.75	13	15	23	23
J	Av.diesel price(Rs/litre)	18.9	21.5	21.5	28	35	35
K	Ele.cost savings(Rs.10 lacs)	#REF!	0.9502	1.1116	1.6640	1.8466	2.3158
L	FO cost saving(Rs 10 lacs)	#REF!	-0.0760	-0.0216	0.2404	0.7402	0.7849
M	Diesel cost saving(Rs 10 lacs)	#REF!	0.7947	1.1859	1.7733	2.6367	2.5585
N	<b>Total cost savings(Rs 10 lacs)</b>	<b>#REF!</b>	<b>1.6689</b>	<b>2.2759</b>	<b>3.6777</b>	<b>5.2235</b>	<b>5.6593</b>
O	Total energy(Ele+FO+Diesel)(R)	12.53	12.77	15.07	16.83	21.64	23.42
P	<b>% Energy cost savings</b>	<b>#REF!</b>	<b>13.07</b>	<b>15.10</b>	<b>21.85</b>	<b>24.14</b>	<b>24.16</b>

**SP. ENERGY CONSERVATION & ENERGY SAVING IN MANGALORE DAIRY**

( APORIONING ENERGY CONSUMPTION FOR MAJOR PRODUCTS GHEE,CURD & HOMOGENIZATION

(Reference to preceding year based on financial figure)

SLNO	DESCRIPTION	YEAR (APRIL TO MARCH)					
		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
A	Quantity of milk processed (million litre)	42.75	46.22	53.35	57.98	64.1	69.4
B	Total electricity purchased (million KWh)	1.853	1.772	2.028	2.064	2.191	2.21
C	Total furnace oil(kilo litre)	240.1	261.4	287	263.4	291.3	307.6
D	Total diesel consumption(KL)	70.76	39.54	33.148	32.635	30.765	41.77
E	Specific energy consumption kwh/litre of milk(B/A)	0.04335	0.03834	0.03801	0.03560	0.03418	0.03184
F	Specific energy consumption ltr of FO/litre of milkC/1000A)	0.00562	0.00566	0.00538	0.00454	0.00454	0.00443
G	Specific energy consumption ltr of diesel/litre of milk(D/1000A)	0.00166	0.00086	0.00062	0.00056	0.00048	0.00060
H	Av.electricity price(Rs/kwh)	4.35	4.35	4.6	4.7	4.7	4.7
I	Av.FO price(Rs./litre)	10.5	12.75	13	15	23	23
J	Av.diesel price(Rs/litre)	18.9	21.5	21.5	28	35	35
K	Ele.cost savings(Rs.10 lacs)	#REF!	1.0066	0.0798	0.6580	0.4271	0.7621
L	FO cost saving(Rs 10 lacs)	#REF!	-0.0231	0.1914	0.7276	-0.0022	0.1791
M	Diesel cost saving(Rs 10 lacs)	#REF!	0.7947	0.2686	0.0949	0.1860	-0.2961
N	<b>Total cost savings(Rs 10 lacs)</b>	<b>#REF!</b>	<b>1.7782</b>	<b>0.5398</b>	<b>1.4805</b>	<b>0.6108</b>	<b>0.6451</b>
O	Total energy(Ele+FO+Diesel)(Rs.10	11.92	11.89	13.77	14.57	18.07	18.92
P	<b>% Energy cost savings</b>	<b>#REF!</b>	<b>14.95</b>	<b>3.92</b>	<b>10.16</b>	<b>3.38</b>	<b>3.41</b>

Handling/day

125014

132356

154918

167902

175608

**SP. ENERGY CONSERVATION & ENERGY SAVING IN MANGALORE DAIRY**

(APORTIONING ENERGY CONSUMPTION FOR MAJOR PRODUCTS GHEE,CURD &amp; HOMOGENIZATION)

(Reference to base year 2001-02)

SLNO	DESCRIPTION	YEAR (APRIL TO MARCH)					
		2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
A	Quntity of milk processed (million litre)	42.75	46.22	53.35	57.98	64.1	69.4
B	Total electricity purchased (million KWh)	1.853	1.772	2.028	2.064	2.191	2.21
C	Total furnace oil(kilo litre)	240.1	261.4	287	263.4	291.3	307.6
D	Total diesel consumption(KL)	70.76	39.54	33.148	32.635	30.765	41.77
E	Specific energy consumption kwh/litre of milk(B/A)	0.04335	0.03834	0.03801	0.03560	0.03418	0.03184
F	Specific energy consumption ltr of FO/litre of milkC/1000A)	0.00562	0.00566	0.00538	0.00454	0.00454	0.00443
G	Specific energy consumption ltr of diesel/litre of milk(D/1000A)	0.00166	0.00086	0.00062	0.00056	0.00048	0.00060
H	Av.electricity price(Rs/kwh)	4.35	4.35	4.60	4.70	4.7	4.7
I	Av.FO price(Rs./litre)	10.5	12.75	13	15	23	23
J	Av.diesel price(Rs/litre)	18.9	21.5	21.5	28	35	35
K	Ele.cost savings(Rs.10 lacs)	#REF!	1.0066	1.3085	2.1110	2.7609	3.7513
L	FO cost saving(Rs 10 lacs)	#REF!	-0.0231	0.1642	0.9336	1.5803	1.8901
M	Diesel cost saving(Rs 10 lacs)	#REF!	0.7947	1.1859	1.7733	2.6367	2.5585
N	<b>Total cost savings(Rs 10 lacs)</b>	<b>#REF!</b>	<b>1.7782</b>	<b>2.6586</b>	<b>4.8179</b>	<b>6.9779</b>	<b>8.1999</b>
O	Total energy(Ele+FO+Diesel)(R)	11.92	11.89	13.77	14.57	18.07	18.92
P	<b>% Energy cost savings</b>	<b>#REF!</b>	<b>14.95</b>	<b>19.30</b>	<b>33.08</b>	<b>38.61</b>	<b>43.33</b>