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**Bayer ABS Ltd**

**Nandesari**

Item Manufactured : ABS Plastics ( Resin )

Source of power supply : Gujarat Electricity Board

Fuel used : Furnace Oil

Date: 12 – 08 - 2004



## Bayer ABS Ltd - Nandesari

#	<b>Reason of increased energy consumption kWh/ Unit out put</b>	#	<b>Reason for increased energy cost Rs./Unit output</b>
1	Increase in forced outages	1	Fuel cost increased
2	Increase in scheduled outages	2	Specific consumption increased
3	Labour unrest	3	Output mix changed to more energy intensive products
4	Reduction in output due to lack of fuel		
5	Reduction in output due to lack of resource material		
6	Reduction in out put due to high inventory		
#	<b>Reason of decreased energy consumption kWh / Unit output</b>	#	<b>Reason for decreased energy cost Rs./ Unit output</b>
1	Decrease in forced outages	1	Specific consumption reduced
2	Decrease in scheduled outage	2	Fuel cost decreased

#	Month	Rs / kWh
	<i>2002 Avg. value</i>	<i>Rs. 3.31</i>
1	Jan – 03	Rs. 3.42
2	Feb – 03	Rs. 3.46
3	Mar – 03	Rs. 3.57
4	Apr – 03	Rs. 3.45
5	May – 03	Rs. 3.45
6	Jun – 03	Rs. 3.52
7	Jul – 03	Rs. 3.53
8	Aug – 03	Rs. 3.46
9	Sep – 03	Rs. 3.50
10	Oct – 03	Rs. 3.47
11	Nov – 03	Rs. 3.45
12	Dec – 03	Rs. 3.29
	<i>2003 Avg. value</i>	<i>Rs. 3.46</i>

- Average values of Sp. Energy Consumption and Energy cost in 2002 are 1125 & 3406 respectively.
- Line of Zero loss has been assumed to be **900 kWh / MT** and corresponding Energy cost of **Rs. 3115 / MT**. Scale has adjusted for 2002 consumption and cost

<b>Month</b>	<b>kWh saving potential</b>	<b>Saving potential in Rs.</b>
Jan – 03	602628	1976521.00
Feb – 03	261863	889115.00
Mar – 03	164518	916600.00
Apr – 03	584250	1999932.00
May – 03	105785	334987.00
Jun – 03	291684	1175575.00
Jul – 03	449226	1750163.00
Aug – 03	259881	907981.00
Sep – 03	105210	492113.00
Oct – 03	287634	1008450.00
Nov – 03	228014	769961.00
Dec – 03	455182	967261.00
<b>Total</b>	<b>3795875</b>	<b>13188658.00</b>