

## UNIT WRITE-UP

### **Indo Rama Synthetics (I) Ltd., Butibori – 441122 (Nagpur), M.S.**

Indo Rama Synthetics (India) Limited ( IRSL) – a multinational group with its presence in Indonesia, Srilanka, Thailand, Bangladesh etc, was established in India in 1989 with a commitment to quality and customer satisfaction for execution of spinning operations at Pitampur (Indore).

It's exposure to international operations gave it a competitive edge in adherence to global standards. In 1995-97, the integrated Polyester Complex at Butibori, near Nagpur in Maharashtra in technical collaboration with Dupont of USA was set up for production of Partially Oriented Yarn & fully drawn yarn (POY/ PFY-FDY) , Toyobo of Japan for Polyester Staple Fibre (PSF), Draw Texturised Yarn( DTY) and Textile grade Polyester chips.

IRSL is country's 2<sup>nd</sup> largest dedicated Polyester Manufacturer with an integrated manufacturing complex at Butibori, near Nagpur in Maharashtra. The Butibori complex started with annual production capacity of about 3,00,000 tonnes of PSF, POY / FDY, DTY and textile grade chips. The expansion project to double the capacity of both PSF and PFY/ FDY to about 6,00,000 tonnes per annum was completed by 2006-07 executed in technical collaboration with Zimmer AG, a leading technology provider from Germany (Best available Technology on energy /resource conservation criteria)

Indo Rama has in place ISO-9001 (2000) for highest standard of Quality Management System (QMS), ISO-14001 (2004) for Environment Management System (EMS) and OEKO Tex certificate to meet Human Ecological requirements. Implementation of OSHAS-18001 (Occupational Safety & Health) & Social Accountability( SA8000 ) is taken up currently.

Forbes magazine has recognized the Indo Rama group with its presence in South-East Asia besides US among 100 Best Companies in the Emerging Markets .

Every step that the company takes , helps it get closer to its objective of building an organization- customer-focused, innovative and where quality is the hall mark . Actions initiated towards Corporate Social Responsibility, Sustainable Development have resulted in achievement of some of the following awards:

- National Water Management Award-2004 & 2006 from CII, GBC Hyderabad. Short listed for 2007 award.
- Leadership & Excellence Award in Safety, Health & Environment from CII Western Region in 2005 & 2006.
- State level award for Excellence in Energy Conservation & Management -2004 & 2005 from MEDA, Pune. Shortlisted for 2006 award.
- FICCI selected Indo Rama as one of Green companies of India.

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**ii) Energy Consumption:**

|     |  | <b>UOM</b> | <b>2004-05</b> | <b>2005-06</b> | <b>2006-07</b> |
|-----|--|------------|----------------|----------------|----------------|
| 1.0 | Annual Production  | MT         | 262351         | 225850         | 333612         |
| 2.0 | Total electricity consumption                                | lacs kWh   | 1950.43        | 1819.86        | 2235.89        |
| 3.0 | Specific Electrical energy consumption<br>for major products |            |                |                |                |
| 3.1 | PSF Product  | kWh/MT     | 161.06         | 170.07         | 157.62         |
| 3.2 | PFY Product  | kWh/MT     | 307.96         | 337.95         | 253.67         |
| 4.0 | Thermal energy for process heating                           |            |                |                |                |
| 4.1 | Coal   | MT         | 27376          | 25450          | 30906          |
| 4.2 | F.O  | KL         | 27394          | 25348          | 33724          |
| 4.3 | Total thermal energy consumption                             | MMkcal     | 388.67         | 358.12         | 456.36         |
| 4.4 | Specific process heat consumption                            | Mkcal/MT   | 1.42           | 1.56           | 1.41           |
| 5.0 | Annual sales   | Rs Lakhs   | 219871         | 210190         | 215687         |
| 6.0 | Total Energy cost  | Rs Lakhs   | 7863.82        | 10519.53       | 14494.41       |
| 7.0 | Energy cost as % of manufacturing cost                       | %          | 3.57           | 4.81           | 6.96           |