

ANNEXURE 'F'

INFORMATION PURSUANT TO SECTION 134(3)(m) OF THE COMPANIES ACT, 2013 READ WITH THE COMPANIES (ACCOUNTS) RULES, 2014 WITH RESPECT TO CONSERVATION OF ENERGY, TECHNOLOGY ABSORPTION, AND FOREIGN EXCHANGE EARNINGS AND OUTGO

A. Conservation of Energy

I. Steps taken or impact of initiatives for conservation of energy and Steps taken by the Company to use alternate sources of energy:

NORTH-EAST CLUSTER

1. Your Company's north-east cluster has 8 units, of which 2 are **100 per cent LED** lit, and the rest of the units are more than **50 per cent LED** lit, which leads to savings of **47,313 units**
2. Installation of auto detection/cut-off mechanism to cut off energy supply when it is not needed. We achieved an annual saving of more than 15,000 kWh
3. At the Meghalaya Coils unit, the usage of hot air from the compressor exhaust as an input to the blower was started during the year
4. The units use transfer pumps. To reduce the usage of these transfer pumps, the diameter of the transfer pipe was increased. We achieved an annual saving of more than 25,000 kWh

5. At the New Conso unit, the usage of fast card flow wrap heaters (2 to 1) was optimised. We achieved an annual saving of more than 20,000 kWh
6. Installation of a 5-KW solar system for lighting at your Company's Sikkim unit. We achieved an annual saving of **26,000 kWh**

Waste reduction (material conservation)

7. Recycling of laminate scrap instead of incineration
8. Reduction in crème laminate wastage by **42 per cent** despite an increase in production volume

Water conservation

9. Reuse of regenerated water from DM Plant and other STP treated water for gardening with an annual saving of approximately **156 KL**

NORTH CLUSTER

10. Installation of LED lights instead of tube lights
11. Replacement of equipment motors with low-capacity energy-efficient motors
12. Improvement in the power factor
13. Automation of water chiller and stamping machines to avoid idle running
We achieved savings of 119,000 kWh through all the aforementioned measures.

CENTRAL WEST CLUSTER

14. Installation of a micro steam turbine, which generates power to the tune of 560,000 kWh per annum by reducing steam pressure from 15 to 3 bar
15. Usage of solar power through open excess resulting in usage of renewable electrical energy during the day hours. We consumed 60 lakh electrical units during the year 2016-17

16. Installation of a water-based vacuum system in the soap dryer to reduce steam consumption by 360 MT per annum

17. Installation of a water-based vacuum system in FADP2 to reduce steam consumption by 800 MT per annum

18. Optimisation of the running of the briquette-fired boiler to increase the use of renewable energy by using 5,500 MT of biomass briquette

SOUTH CLUSTER

19. Reduction of gas consumption by increasing hot water kettle capacity. An annual saving of 38,500 SCM (standard cubic meter of natural gas) was achieved
20. Installation of energy-efficient lighting. An annual

saving of 440,640 kWh and 462,019 kWh in the Coil 9 and MM Nagar, Tamil Nadu units, respectively, was achieved

21. Installation of VFD's in higher capacity motors for energy saving. An annual saving of 99,236 kWh was achieved

II. Capital investment on energy conservation equipment:

The Company made a capital investment of ₹ 2.052 crore for energy conservation projects during the year.

Awards:

- Won certificate of appreciation from the National Safety Council for Thana and Katha plants
- Malanpur unit won CII Greenco rating in the Gold Category for its efforts for sustainable improvement
- Won the "Certificate of Winner with 3 star rating" in CII EHS Excellence Award for the MM Nagar, Tamil Nadu unit

B. Technology Absorption

The Research and Development (R&D) function of your Company continued to play a key role in ensuring successful launches of the following products during the year:

1. Good knight personal repellent gel, patches, and Fabric Roll-On
2. HIT Gel Stick
3. BBLUNT
4. Salon Secret
5. Godrej No. 1 germ protection soap
6. New variants of Godrej aer pocket
7. Good knight Power Shots
8. NYU crème hair colour in Indonesia
9. Stella pocket in Indonesia
10. Aliyana range of hair care products in Africa

The current year, like previous years, also saw a sharp focus on consumer-centric, relevant, design-led innovation. The Company focuses intently on innovation in new technologies, which provides the consumer value for money.

I. Specific R&D product categories initiated by the company:

1. Hair Care
2. Skin Care
3. Household Insecticides
4. Customer Centricity
5. Packaging Development
6. Fabric Care
7. Hygiene Products
8. Air Care
9. Dry Hair

II. Benefits derived from the aforementioned R&D efforts:

R&D has played a pivotal role in developing two new technologies in the air care and personal care areas. Strong R&D-led initiatives with innovation projects have led

to successful launches of several new products in the market in the current fiscal year. Your company has entered into the personal repellent space with highly innovative products containing natural active ingredients. R&D has also played a pivotal role in the improving cost optimisation across product categories by contributing through both, product and process related innovations and improvements.

We believe that the three key pillars of consumer centricity, new product development, and training-led skill upgradation will continue to propel your Company ahead of competition in its strategy of innovation-led value creation.

Future plan of action:

R&D shall continue to play a key role in the advancement and successful execution of innovations in the market, for both domestic and international business. Our R&D team shall constantly endeavour to deliver superior innovative products, thereby delighting both domestic and international customers by implementing the following measures:

1. Ensuring successful commercial launches within the Hair Care, Household Insecticides, and Personal Care categories in the coming year
2. Engaging in providing support on global innovation strategies for various product categories within our international

- businesses and extending support on relevant product development for international markets
3. Focusing on newer consumer relevant product experiences within all categories such

- as Skin Care, Household Insecticides, Hair Care, Air Care, and Fabric Care
4. Maintaining a strong focus on R&D training needs and people development

5. Partnering with external stakeholders and leading institutions

III. Imported Technology:

Your Company has not imported any technology since its incorporation

IV. Expenditure on R&D

		₹ Crore	
		Fiscal year 2016-17	Fiscal year 2015-16
(a)	Capital	1.74	1.83
(b)	Recurring	14.46	15.51
(c)	Total	16.20	17.34
(d)	Total R&D expenditure as a percentage of total sales turnover	0.32%	0.36%

C. Foreign Exchange Earnings and Outgo:

		₹ Crore	
		Fiscal year 2016-17	Fiscal year 2015-16
I. Foreign exchange used		315.33	253.49
II. Foreign exchange earned		197.75	195.66