

HINDUSTAN LATEX LIMITED, KANAGALA, UNIT: BELGAUM, KARNATAKA STATE

(i) UNIT PROFILE

Hindustan Latex's (HLL) journey started with its incorporation as a corporate entity under the Ministry of Health and Family Welfare of the Government of India on March 1, 1966. HLL was set up in the natural rubber rich state of Kerala, for the production of male contraceptive sheaths for the National Family Planning Programme. The company commenced its commercial operations on April 5, 1969. The Plant was established in technical collaboration with M/s Okamoto Industries Inc. Japan.

HLL's Belgaum project was commissioned in 1984 to manufacture condoms. Foundation Laying for this Unit was done by the then Vice President of India Shri R. Venkataraman on 16th October 1984

Production of the world's First Non-Steroidal once a week ORAL CONTRACEPTIVE PILL (OCP) was launched in 1992 at this Unit, with an installed Production capacity 15 Million tablets. Technical know how for this came from the Central Drug Research Institute, Lucknow, India.

Once-in-a-day OCP manufacturing facility was operational in 1993, with an installed capacity 30 Million cycles/Year. OCP facility was revamped in 2003-04 to meet Schedule M requirement. Capacity was increased to 100 Million Cycles per year for Steroidal OCP & 200 M tablets per year for Nonsteroidal OCP.

CENTCHROMAN Bulk Drug Project was commissioned during 2004-2005 with installed capacity of 1000 Kgs/Year

AWARDS WON BY THE COMPANY / UNIT:

- 1) Excellence in Export Performance for the Year 1995-1996
- 2) An employee of the Kanagala Unit was awarded the Shram Shri Award by the Ministry of Labour, Govt. of India in 1997-98.
- 3) Govt. of India's MOU Award for Top Ten Public Sector Enterprises for 2001-02 and 2002-03
- 4) CAPEXIL's Award for excellent Export Performance for 2002-03.
- 5) Award for the excellent implementation of Official Language from the Govt. of India for 2003-04 and 2005-06.
- 6) HLL declared a Mini Ratna Company for outstanding overall performance as a PSE by the Govt. of India in August 2006.
- 7) HLL Kanagala, Belgaum Unit gets First Prize in Energy Conservation under Drugs & Pharmaceutical Category, for 2006, from govt. of India.
- 8) HLL Kanagala, Belgaum Unit gets Annual Greentech Silver Safety Award 2006.

VARIOUS BRANDS OF CONDOM & TABLETS MANUFACTURED IN THIS UNIT

A. CONDOMS

Free Supply, Deluxe, Super Deluxe, New Lubricated, Masti, Bliss, Pick Me.

B. STEROIDAL ORAL CONTRACEPTIVE PILLS:

Mala-N, Mala-D, Arpan, Choice, Khushi, Julie, Mukti, Humjoli
Apsara, Suvida, Pearl, Ek roz
Nogesta, Preventol, E-Pills

C. NON-STEROIDAL ORAL CONTRACEPTIVE PILLS:

Saheli, Novex

D. BULK DRUG :

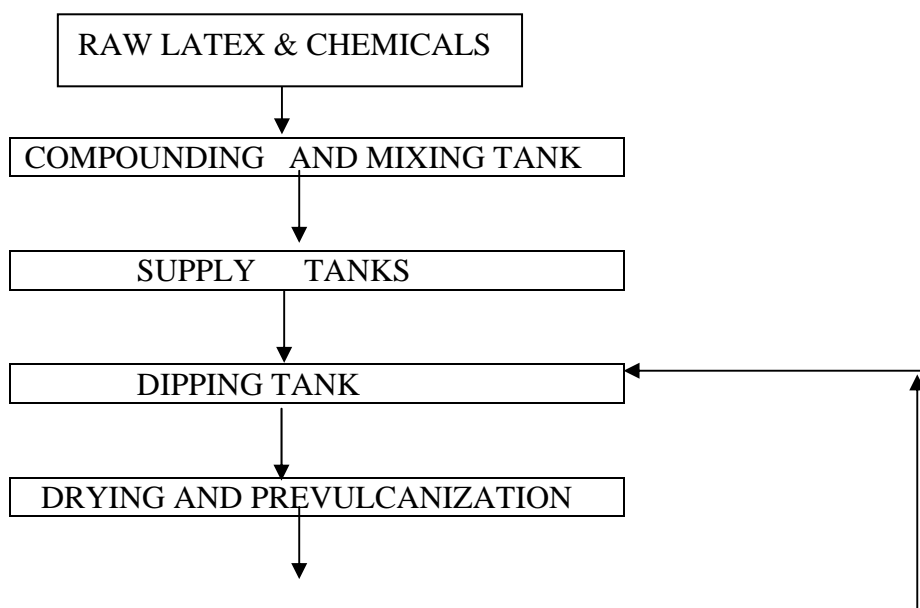
Centchroman

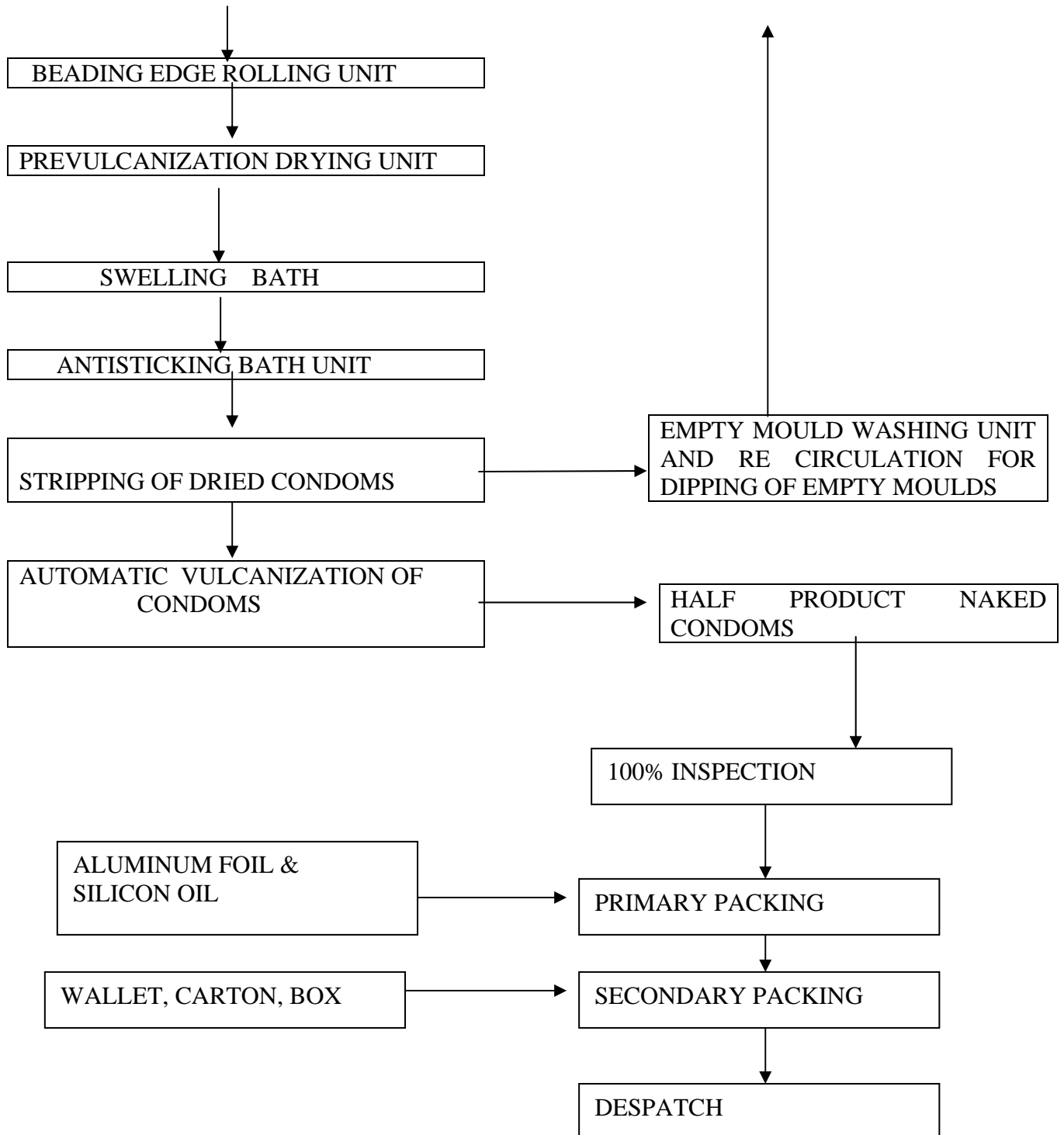
E. Woman Healthcare Products:

Novex DS, Desogest, Mifepro, M-Prost, Tranexid, Trsnexid-M,
Fertex-100, Fertex-50, Fertex-M, Nausilex, Nausifol

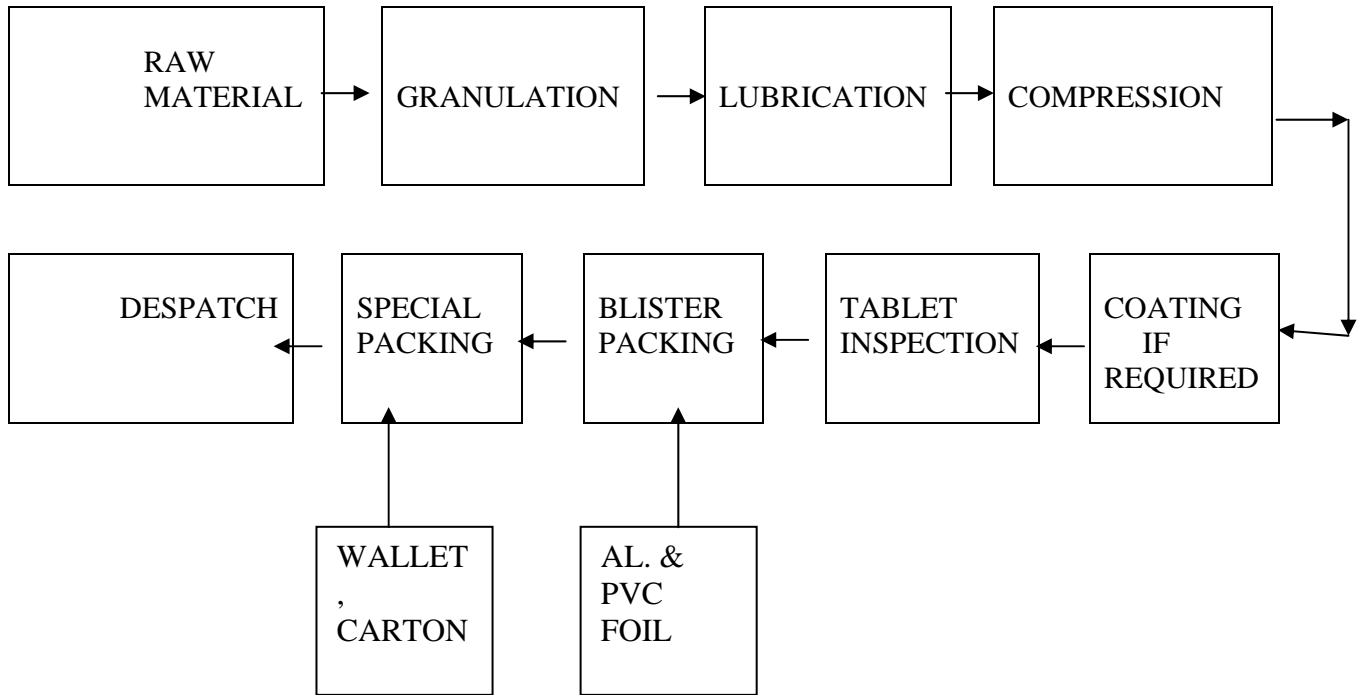
F. A number of Antirritroviral (ARV) tablets are proposed to be manufactured.

PROCESS FLOW OF CONDOM:

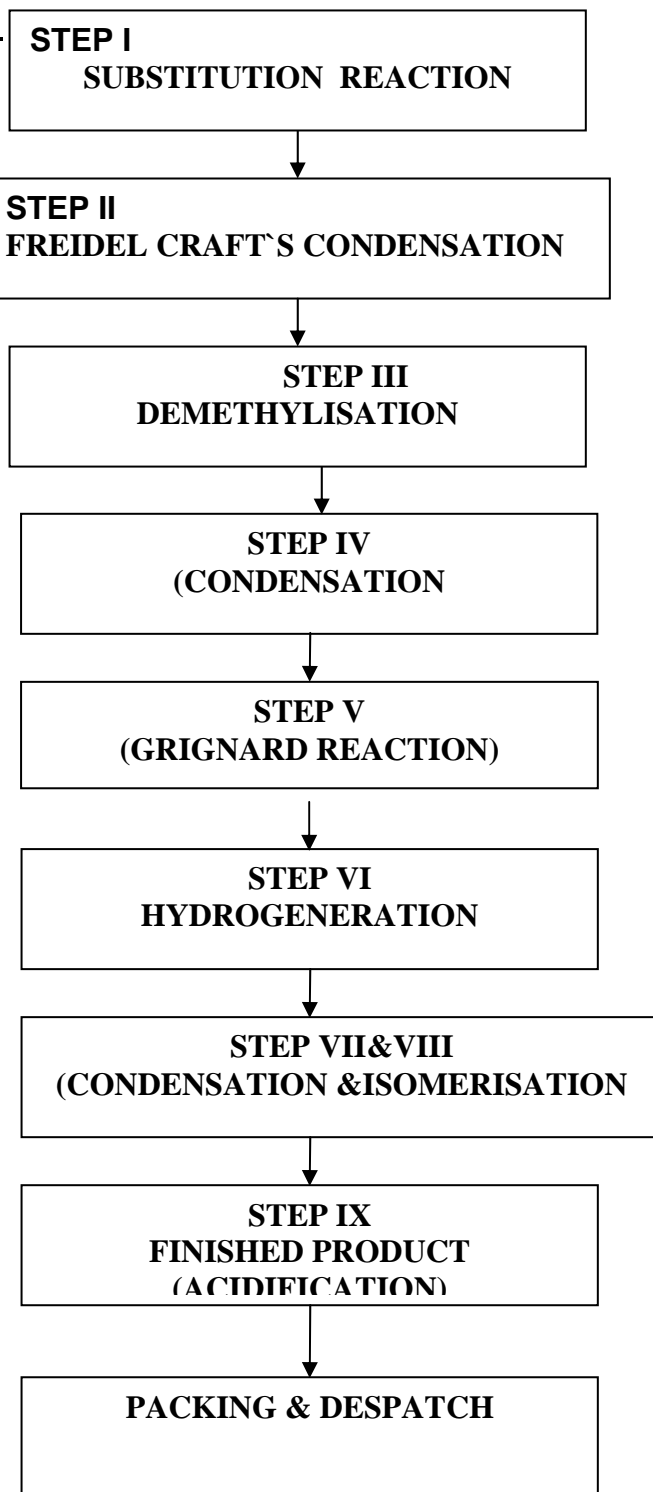




PROCESS FLOW OF ORAL CONTRACEPTIVE PILLS:



**PROCESS FLOW OF
CENTCHROMAN BULKDRUG:**



(ii) ENERGY CONSUMPTION:

Energy consumed by the unit for different products is as follows : -

Sl. No.	Product Name	Unit of Production	2004-05		2005-06		2006-07	
			Prdn	LKWh /kCal	Prdn	LKWh /kCal	Prdn	LkWh /kCal
1	Condom	MP(Million Pieces)	227.46	20.34	230.95	17.59	244.85	20.99
				6473		5284		5884
2	Pills (Steroidal)	LC(Lakh Cycles)	580.4	2.39	549	1.86	578.3	4.22
3	Pills (Non-steroidal)	MT(Million Tab)	15.48	1.26	19.42	2.44	22.74	3.35
4	Bulk Drug	Kg	360.9	1.46	641.5	2.35	850.5	2.95
				-		-		588
	Total Lakh kWh			25.46		24.24		31.53
	Total Thermal energy in kCals			6473		5284		6472

Some of the major energy conservation projects implemented are as follows: -

VFD for Air compressor
Energy efficient motor installed for dust collector
Three number of Solar Street Lights installed.
Power Factor Control Panel for Condom Utilities.
Turbo Ventilators in Condom Secondary Production.
Making the Beading unit chain driven instead of belt driven. (Sg. No.227)
Supporting additional bearing in 2 number of Reactor shaft inside the seal assembly to increase its efficiency in BDU plant. (Sg. No. 228)
Fixing guards to gear box of rolling up unit on DTM machine to avoid wastage of condoms. (Sg. No. 235)
Replacing 25 number of SV Street Lights with T5 Lights.
Thermocol lining for drug storage room.
Replacing conventional ballasts of 20 fluorescent lamps with electronic ballasts.
Replacing 50 incandescent type indication lamps with solidstate indication lamps.

(iii) Energy Conservation Commitment, policy, set up: -

HLL is committed to conserve energy to the optimum extent possible. Suggestion Scheme is a very popular scheme which normally pops up with a lot of energy conserving suggestions from employees of all the levels. Suggestors are given very attractive rewards depending on the advantages of the suggestion.

Energy Policy is in the draft stage and will be finalized soon.

There is committee headed by an employee of shop floor level and with members representing all the sections, to discuss energy conservation matters at regular intervals

iv) Energy Conservation Plans and Targets: -

Some of the major energy conservation projects planned for the next year are as follows:

1. Replacing the old boiler by an energy efficient one.
2. Lighting voltage reduction and regulation
3. Closed Loop Compressed Air System
4. Replacing LV transformer by small control transformers

v) Environment and Safety

The Unit is having OHSAS 18001:1999 certificate for its production facilities.

CERTIFICATIONS AWARDED TO THE UNIT:

- 1) WHO GMP
- 2) SHEMS: OHSAS 18001
- 3) QMS: ISO 9001:2000, ISO 14001
- 4) CE Mark

In the future, through technical collaborations, marketing alliances and joint ventures, HLL wishes to keep alive the dream of all humanity – of a healthier world.