

H & R Johnson (India) Limited



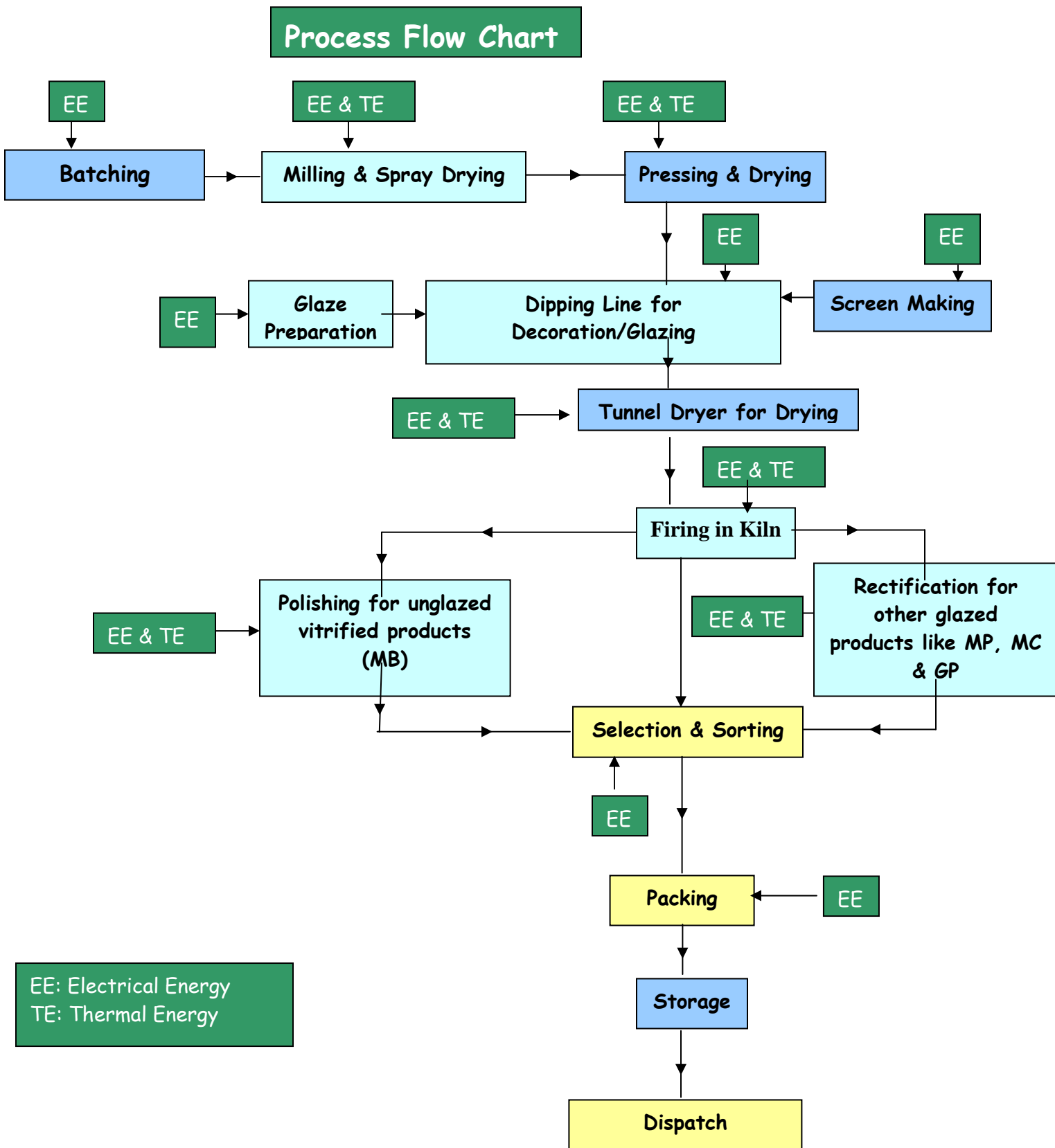
Company Profile

H & R Johnson (India) LTD, manufacturer of the premium brand of wall, floor, porcelain, vitrified and industrial tiles, is a pioneer in the tile industry in India. H & R Johnson (India) LTD is also India's largest tile manufacturer with a capacity of 332720 TPA. and technologically the most modern tile company in India. H & R Johnson (India) LTD is a member of Johnson International U.K., which has a leading presence in all the continents of the globe. With a leading presence all over the globe for 100 years, the 'Johnson' brand has earned the trust of over four generations with its philosophy of "**Leadership through Innovation**". The company has four manufacturing plants which are in Pen (Maharashtra), Dewas (M.P.), Karaikal (Pondichery) and Kunigal (Karnataka). The company also has joint venture companies in Andhra and Gujarat for manufacturing of ceramic and vitrified tiles.

In our quest for total quality, all our plants have received the prestigious ISO 9001, ISO 14001 and ISO 18001 certificates. The plant at Pen is technologically one of the most modern in the world, producing world-class quality tiles.

Beside its internationally preferred brand Marbonite, an alternative to Italian Marble, the company has introduced India's first joint-free glazed porcelain tiles. Branded as Porselano, these tiles are available in natural marble designs and in popular sizes. Unlike conventional ceramic tiles, the joints

between tiles would be virtually invisible and are almost paper thin joints. The company has also launched heavy duty tiles for use in heavy industries and pavements and is marked under the brand name – Endura.



Energy Conservation Commitment, Policy and Set up

H & R Johnson (India) Limited, considers energy savings as a multidisciplinary approach and it is one of the core responsibility to the nation and also globally. The company's energy profile consists of electricity/ fuel i.e. NG, LPG, PROPANE, LDO, C9, HSD, FO, coal, soyabin, rice husk, groundnut shell and other utilities like water, air, etc. A dedicated energy management department is established for the implementation of energy conservation projects. Budget provisions are made exclusively for such activity. Energy conservation plans, policy and structure are reviewed periodically.

Our Energy Management Department is **ISO: 9001-2000 certified**.

National Technology Day & National Energy Conservation Day is celebrated every year to emphasis on energy conservation and other modern technologies for the betterment of the processes and products. Periodic energy audits are carried out department wise in all the plants as per audit calendar. Regular training to inculcate energy conservation awareness and upgrade the knowledge among the plant people is organized regularly in all the units. For our efforts in the field of energy conservation, we have been awarded **Natural Gas Conservation award by GAIL for the year 2004-2005**.

Energy Management Policy

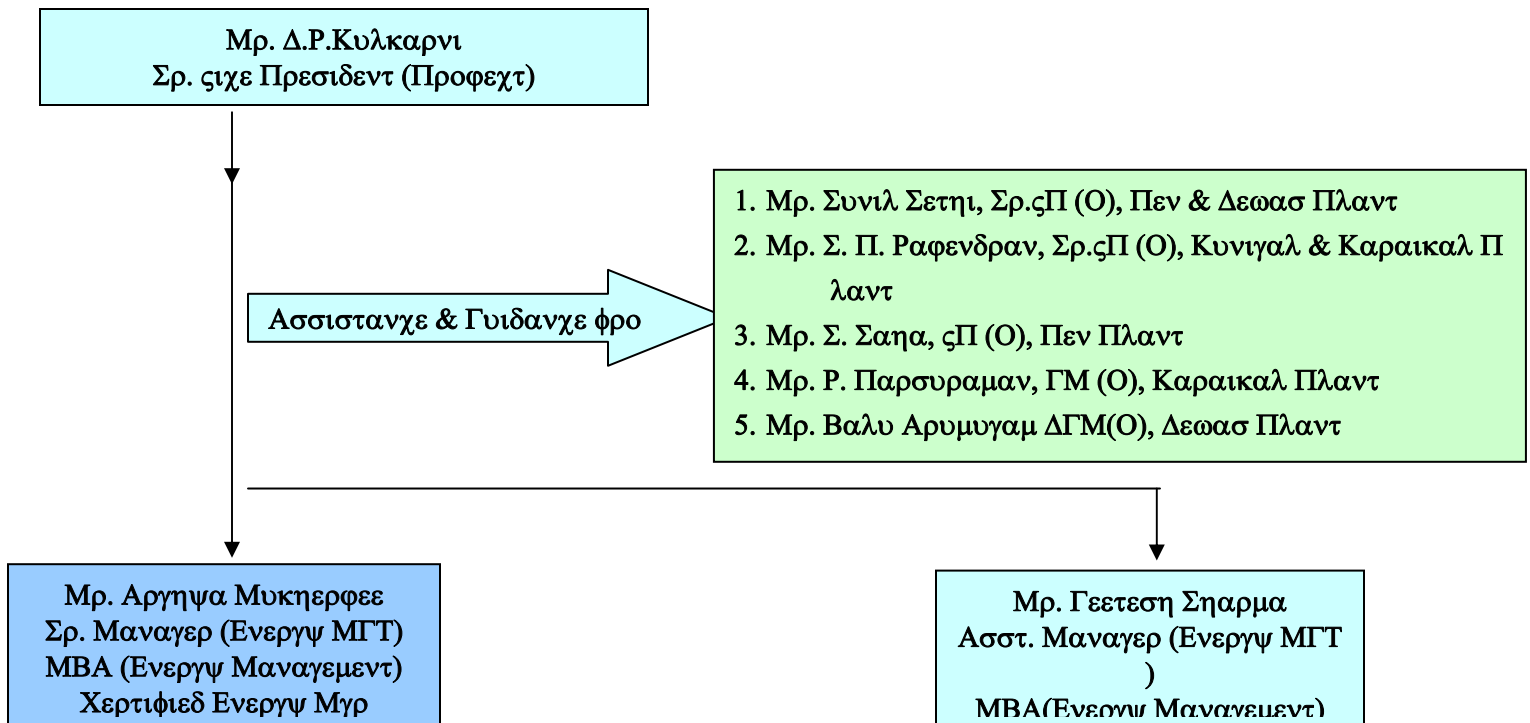
We shall constantly strive to provide quality products and services to meet & exceed customer's expectations.

Continual improvement, commitment, accountability and teamwork shall be our guiding principles.

Energy Management Objectives

1. To optimize and reduce energy consumption in specified and identified operational areas.
2. Undertake Energy Conservation projects in all potential areas.

Energy Conservation Cell Structure



Energy Consumption

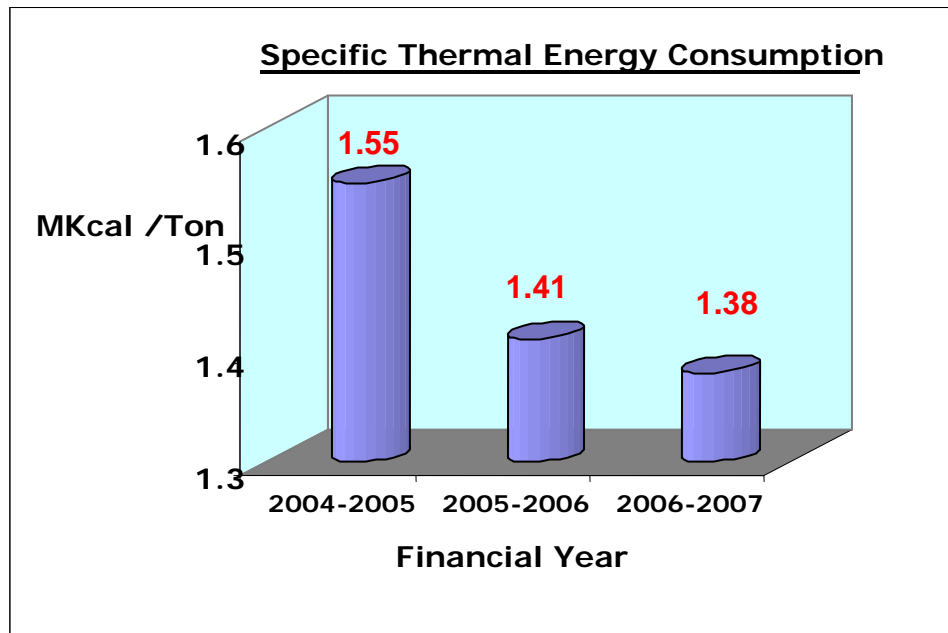
Energy consumption trends for thermal and electrical energy, for the last three years have been shown.

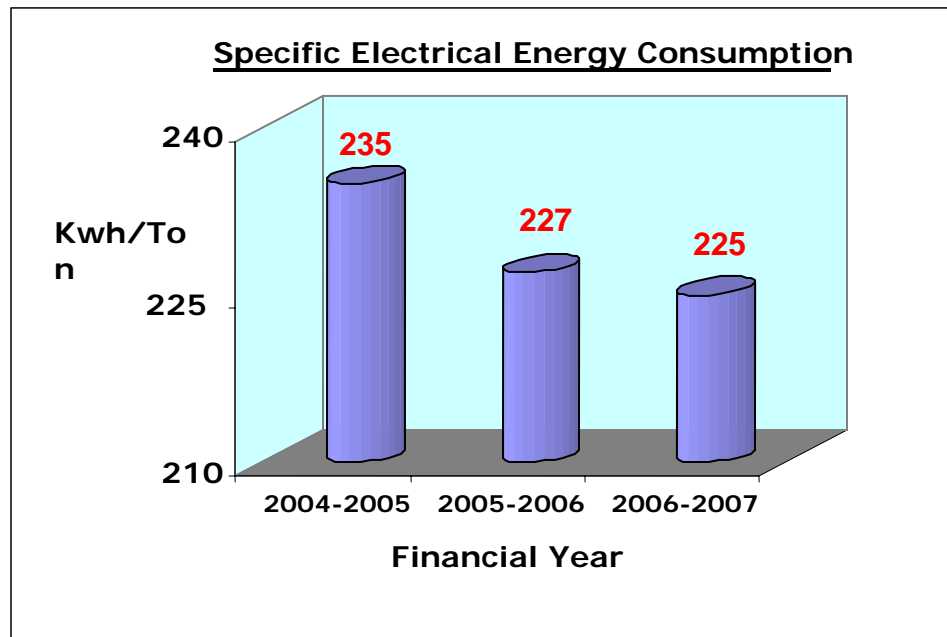
Energy Consumption				
Description	Unit	2004-2005	2005-2006	2006-2007
Production	MT	241965	254195	276965
Electrical Energy Consumption per annum	Lacs Kwh	569	577	622
	Lacs Rs.	2227	2509	2905
Specific Energy Consumption : Electrical	Kwh/Ton	235	227	225

Thermal Consumption per annum	Mkcal	373911	357656	382852
	Lacs Rs.	5748	6557	6735
Specific Energy Consumption : Thermal	Mkcal/ton	1.55	1.41	1.38
Energy Consumption in terms of % manufacturing cost	%	26%	19%	15%

* The specific energy consumption has been calculated with respect to the equivalent weight of tile as energy consumption changes with the thickness and size of the tile.

Year	Electricity		Thermal	
	Specific Energy Consumption (Kwh/ton)	% Reduction over 2004-2005	Specific Energy Consumption (Mkcal/ton)	% Reduction over 2003-2004
2004-2005	235	-----	1.55	-----
2005-2006	227	3.4	1.41	9
2006-2007	225	4.2	1.38	11





Energy Conservation Plans and Targets

Energy Conservation Measures (Planned)	Anticipated Savings in Energy/year	Anticipated Savings INRL/year	Approximate Investment (Lacs Rs./Year)	Project Commencement and Completion year
In situ gasification of LNG	10451346 kWh	742	200	2007
Cold energy recovery from LNG gasification for hydraulic oil cooling in presses	805814 kWh	9	20	2008
Inlet air chilling in gas turbine	3960000 kWh	158	250	2008
Replacement of old reciprocating compressor with energy efficient screw compressor with VFD	586571 kWh	20.5	7.6	2007
Installation of turbo ventilators	525600 kWh	23.65	1.92	2007
Energy efficient lighting system for indoor and outdoor applications	62560 kWh	3.6	4	2008
Improvement of power factor in ball mill motors	161538 kWh	9	6	2008
Kiln heat recovery and utilization of the same in rectification & polishing lines.	10,40,760 Kwh	42	35	2008

Biomass based power generation	79,20,000 kWh	79	600	2008
Variable Speed Drives in Ball Mill motor of capacity more than 100 kW	142857 kWh	6	6	2008
Installation of solar water heater for canteen hot water application	122023 kWh	5	6.5	2008

All other initiatives like suggestion schemes, training programs, and engineering initiatives will continue. By adopting the above energy conservation measures, H & R Johnson (India) Limited will be able to achieve the set target of reduction of 1% energy bills.

Environment and Safety

H & R Johnson (India) Limited is committed to the protection of the environment by Prevention of Pollution and continual improvement in Environmental performance. The company has got the certification of ISO 14001. The company works continuously as per the Environmental Policy for:

- Minimization of generation of waste.
- Conservation of resources.
- Recycling and re-use of waste

The company has installed Effluent Treatment Plant (ETP) in all its plants for processing of solid waste and water generated in the plant for reuse in the process.

For safety, health & environment (SHE) we have formed a task force which comprised of people from every department.

Our company is OSHAS 18001 certified.