WELSPUN STEEL LTD.

Taluka-Anjar (Gujarat)

Unit Profile

M/S Welspun Steel Ltd. has commissioned manufacturing of Sponge Iron, TMT bars & Billets in Kutch. The capacity is 120000 TPA, 70000 TPA & 70800 TPA respectively.

Sponge Iron Plant

In this Plant iron ore, coal & dolomite are used as raw material. These three materials are passed through rotary Kiln in which it is passed through 7 different zones of temperature which ranges from 800 deg C to 1070deg C depending upon properties of Raw material. Finally the product is sponge iron (Fe) which is passed through cooler & then to magnetic Separator where Magnetic & non magnetic parts are separated.

Steel Melting Shop

Scrap/sponge iron, fluxes, Ferro alloys are melt in electric arc furnace. The molten metal from electric arc furnace is taken in a ladle for refining. The metallurgy of Steel in terms of carbon, phosphorous content, alloy element etc, is controlled in this stage. The charging is through top of furnace. The furnace are tilted for tapping or removal of slag. The liquid steel is cast into semi finished products such as billets, blooms, slabs etc. This process is called continuous casting.

Rolling Mill

Billets are the raw material for making TMT bars. Billets are heated in preheating furnace with the help of Gasifire at 1200 deg c to make metal malleable and then rolled into finished products.

Captive Power Plant

12 MW power is generated in Power Plant. Out of these 12 MW approx 7 to 8 MW is generated with help of waste heat recovery boiler which uses the waste heat of rotary Kiln. The remaining 4 to 5 MW is generated with the help of FBC boilers.

Energy Conservation Measures Taken

Sponge Iron

(A) By Using VFD Drives

In sponge iron plant Welspun has replaced conventional starters with VFD drives for shell air fan (High speed blowers). By doing this plant has saved energy worth Rs 14.23 lacs / year.

(B) Blending Of Coal

In this process two different types of coal are blended according to process requirements. By doing this optimum use of GVC of coal is obtained which eventually results in saving of coal and Plant achieved a saving of 32728512 Rs / Year.

Steel Melting Shiop

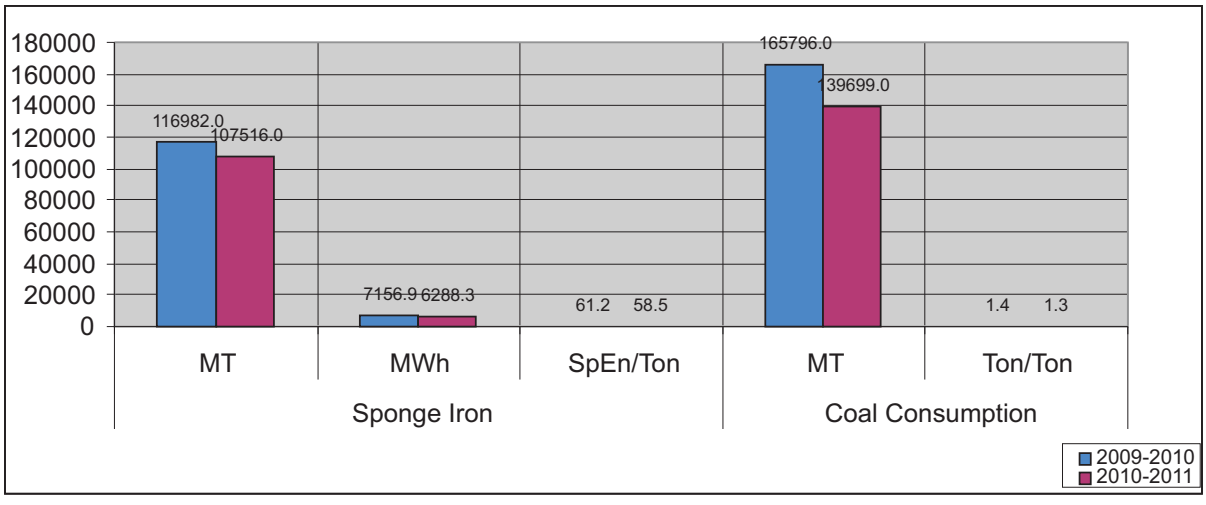
(A)Change Of Crucible Size

Plant has replaced the 7 MT crucible with 9 MT crucible. By doing this the production has increased but the power consumption is not increased in that proportion. So ultimately power is saved and plant achieved a saving of Rs 3551149/year.

Specific Energy Consumption

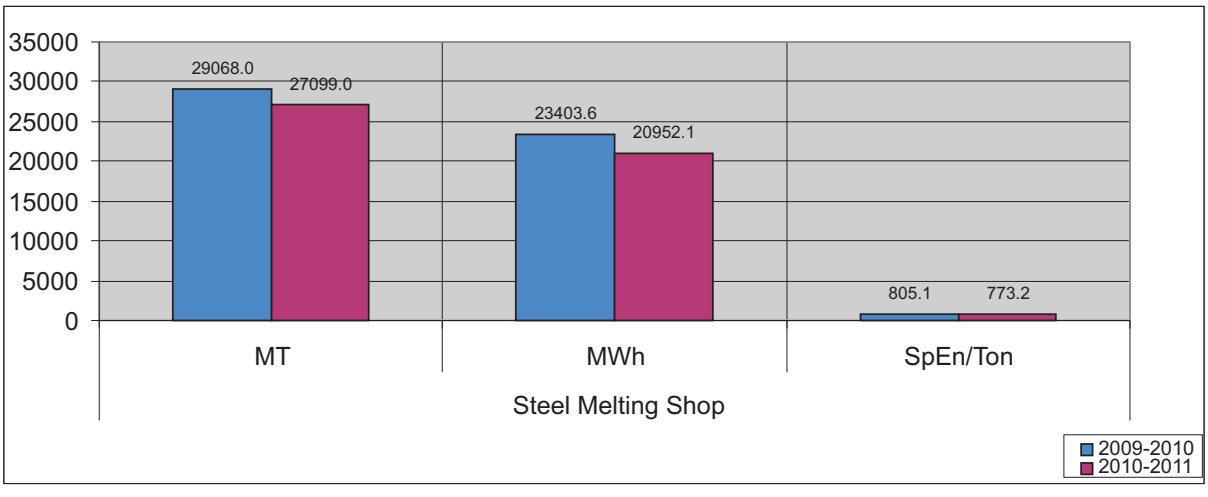
Sponge Iron

Financial Year	Sponge Iron			Coal Consumption	
	MT	MWh	SpEn/Ton	MT	Ton/Ton
2009-2010	116982	7156.884	61.17	165796	1.41
2010-2011	107516	6288.34	58.48	139699	1.29



Steel Melting Shop

Financial Year	Steel Melting Shop		
	MT	MWh	SpEn/Ton
2009-2010	29068	23403.56	805.13
2010-2011	27099	20952.12	773.16



Other energy conservation measures taken by company

a) Minimizing the breakdown by implementing the Preventive maintenance schedule to save the power.

b) Charging / shifting the material by help of transfer trolley rather manually

c) Managing ON / OFF time of street light by help of security guards.

d) Using clear roof shed sheet to save the power to avoid shed light in the day time

e) Using soft starter instead of conventional starter

f) Switching off the machine / pump power if not in use to save energy

Health, Safety & Environment Policy

HEALTH, SAFETY & ENVIRONMENT POLICY

WELSPUN

Welspun Power & Steel Limited reaffirms its commitment to provide safe work Place and clean environment to its employees and other stakeholders as an integral part of its business Philosophy & values.We will continually enhance our Occupational Health,Safety and Environmental, (HSE) performance in our activities, products and services through a structured HSE management framework. Towards this commitment,we shall :

- Establish and achieve HSE objectives.
- Ensure compliance with applicable HSE legislations and other requirements.
- Prevent/ minimize risk invoived in Environment, Occupational Health and Safety through continual improvement in process and HSE practices at all levels and functions for prevention of pollution and injury & ill health of the employees.
- Ensure that Occupational Health, Safety and Environment, is integrated in all managerial decision including selection/ procurement of materials, machinery, equipment, selection/ placement of personnel and setting up of projects.
- Develop green belt around the plant and conserve natural resources & energy by constantly seeking to reduce consumption and advocate for wastage control & recycling measures.
- Enhance Occupational Health, Safety and Environment awareness amongst all person(s) working under the control of the company through effective communication and training.

We review this policy periodically and also communicate this policy to all employees & it is available to the public and interested parties.

Date : 1st August, 2009

Vijay Singh Bapna
CEO & ED