GHATGE PATIL INDUSTRIES LIMITED

Kolhapur (Maharashtra)

Unit Profile

Company established in year 1960 and is one of the leading manufacturers and distributors of valves, transmissions and castings in India. Company operations are broadly divided into two main segments, the foundry division which caters to the automobile, tractor and railway manufacturing industries, and the products division which caters to the oil and gas industry, and marine and earth moving sectors. Its products involve technologies, processes and manufacturing know-how that are [largely] owned by us. The company has crossed 600 crore turnover in this year.

Foundry Division

As part of foundry division, unit product range includes machined Gray iron, nodular iron castings such as Flywheel Housing, Case Transmission, Clutch Housing, Crank Case, 1/2/3/4/6 - Cylinder Blocks, Differential Housing, Gear Box Housing, Engine Bed Frame, Rear Axle Housing, Brake Drums, Front Axle Support, Crank Shaft, Hubs, Bogie Anchorage, King Post, Housings (Safety critical item), their customer base primarily comprises companies operating in the automobile, mining, agriculture, tractor, and railroad sectors. Some of the key customers include [, John Deere, Tata Motors, Knorr Bremse, Bauer Motors, Eicher, Escorts, Tafe, MAN, Force, Eaton, Kolher, Lombardini, etc.] .

Products Division

The products division includes a wide array of offerings including Transmissions such as Power Take Offs, Marine Power Take Offs, Fluid Couplings and Marine Gear Boxes and Valves such as OmniSeal® Double Block & Bleed Expanding Plug Valves, Expanding Gate Valves, –API 6A Forged Body Slab Gate Valves, Pneumatic Diaphragm Actuators, OmniSeal® 6D Swing Check Valves, and [Model 6D Slab & Expanding gate valves]. Company customer base primarily comprises of companies operating in the oil and gas industry, marine and earth moving sectors.

Energy Consumption

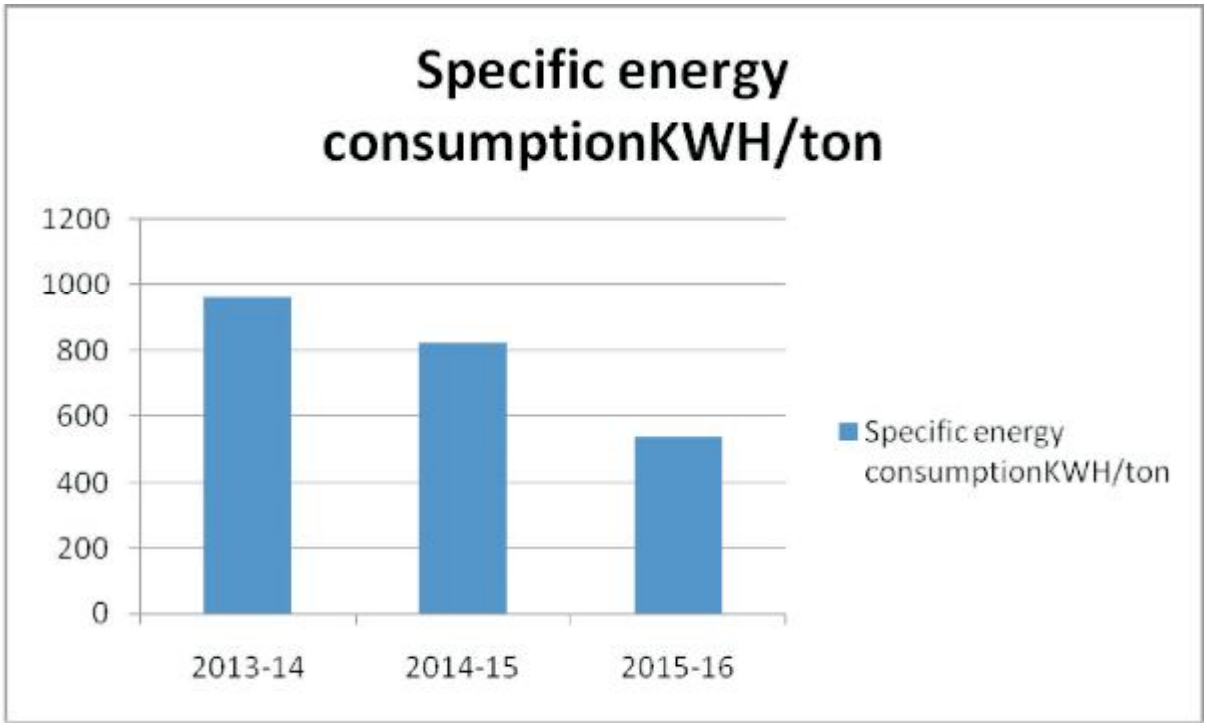
Total Consumption KWH from April 2015 to March 2016 - Foundry Division GPI

Month	GPI Unit 1 consumption	GPI Unit 2 consumption	KWH units generated front renewable source wind mill	Production 2014-15 in MT	Sp. Energy consumption KWH/Ton
APR	1680885	1897875	2554271		
MAY	1755950	2107875	4203701		
JUNE	1930654	1993425	3273260		
JULY	2126614	2082150	6529996		
AUG	1999681	2229675	4210952		
SEPT	1855093	2537850	2122949		
OCT	1990348	2048025	459537		
NOV	1225468	1681050	383774		
DEC	1755448	2061150	759766		
JAN	1764000	2018625	636898		
FEB	1379025	2947350	920657		
MARCH	1968318	2625000	1544000		
TOTAL MT	**21431484**	**26230050**	**27599761.00**	**37407.00**	**536**

Energy Conservation Projects Implemented

Project 1
Continuous Monitoring of best practices regularly

Unit is using quality scrap and maintaining unity power factor . Unit is having 15 MW wind generator so proper maintenance of the wind generator is also being followed. For awareness of energy conservation, unit is celebrating energy conservation week (14 Dec to 20 Dec) every year. The unit is having spectro lab for checking chemical compositions (2 nos. units ,one standby).Because of sand is " Heart of foundry" unit is having sand quality controlling unit (SMC unit).



On annual basis	Electricity(kWh)
Energy consumption before	26407343
Energy consumption after	20061773
Energy tariff, Rs/ kWh	7.5
Energy saving in units	17414430

Project 2
Scientific Method for Pneumatic tool checking (Reduction in compressor air consumption.

Before
Previously pneumatic tools were checked by hearing sound of the unit. The unit is having 300 pneumatic tools.

After
Compressor air flow meter fitted. Old pneumatic tool air flow data compared with standard data & necessary action for replacement of wear out parts

On annual basis	Electricity(kWh)
Energy consumption before	240000
Energy consumption after	235000
Energy tariff, Rs/ kWh/	7.5
Energy saving in units	5000

Project 3
Energy efficient LED lamp fitted

Before: MV /SV lamps used 250 watt

After : LED lamp used 165 watt

On annual basis	Rejection (tone)
Energy consumption before	185
Energy consumption after	148
Saving Energy tariff, units / Tones	1200
Rejection reduced in tons due to conveying system	37

SHRINIWAS ENGINEERING AUTO COMPONENTS PVT. LTD.

Pune (Maharashtra)

Unit Profile

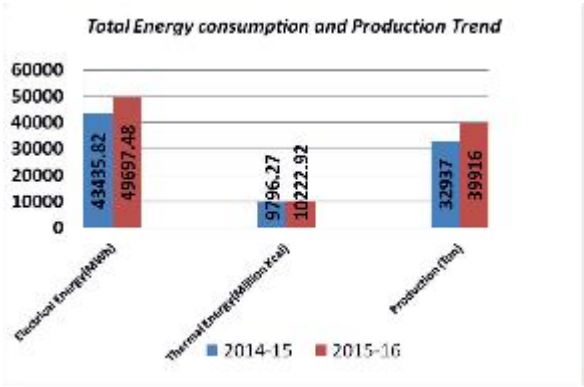
Being one of the largest foundries in India, SEACO is a leading supplier of Castings. SEACO, pride itself with complete quality management. Right from sourcing raw material to lab testing and monitoring, it follows every step with precision. Extensive tests are carried out at the in-house quality control laboratories to ensure production of sound, defect- free castings.

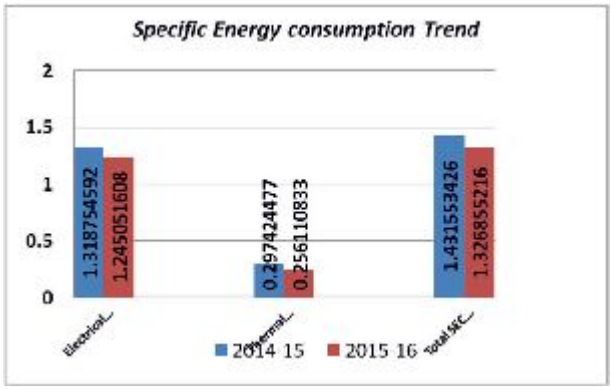
Energy Consumption Improvements in 2015-16

Specific Energy Consumption Trend

The following bar charts depict

- Total Energy Consumption and Production Trend in 2014-15 and 2015-16
- Specific Energy Consumption drop in year 2015-16 in comparison to 2014-15





Energy Efficiency Projects During 2015-16

SEACO strengthened its commitment towards saving energy in year 2015-16 with following actions –

1. Implementation of 4 energy conservation projects
2. Implementation online Air Monitoring System which will give much more actionable data to the team to save energy.

SEACO believes the real impact of Energy Conservation will reach the society when all employees carry those learning outside and implement the same in their homes and community.

Energy Management Policy

"SEACO" is committed to purchase and use energy in the most efficient, cost effective and environmentally responsible manner. To do this SEACO shall:

- Ensure use of energy efficient alternatives and ecofriendly technology.
- Promote the efficient use of energy to deliver products and services to its customers.
- Improve energy efficiency continually by establishing and implementing effective energy Management program that support all products, processes and operations while providing a safe and energy effective work environment.