

**ORIENT BELL LTD.**  
**Sikandrabad (Uttar Pradesh)**

***Unit Profile***

**Orient Bell Limited** is one of India's largest manufacturer of Ceramic Wall, Floor and Vitrified Tiles that cover the entire range of applications for covering of living and working spaces.

Orient Bell Limited provides the customers across the country easy access to products manufactured from three modern and integrated plants spread across three different parts of India - North (Sikandarabad-UP), South (Hoskote-Bangalore) and West (Dora - Vadodra). This large production capacity of close to 30 million square meters of tiles from the three plants together gives our customers the ease of buying tiles anywhere in the country in any quantity at short notice.

Orient Bell Limited, started operation about 40 years ago. The growth story has been phenomenal as the turnover increased from 239 Cr in 2009-10 to 760 Cr in 2015-16. Orient Bell Limited has established its brand with its commendable quality and service.

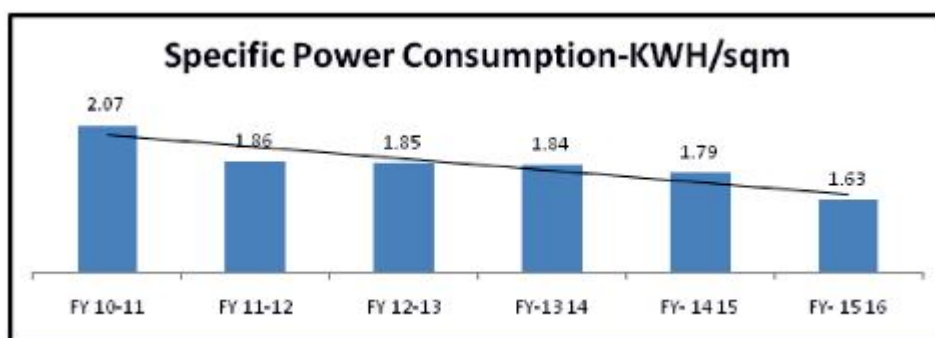
Orient's plant at Sikandrabad is spread over 40 acres of land and is **accredited with ISO 9001, ISO 14001 and OHSAS 18001 for quality, environment, and occupational health and Safety management systems**. The products of Orient Bell, ceramic and vitrified tiles are conforming to **IS 15622: 2006** and **ISO 13006:1998** on all parameters.



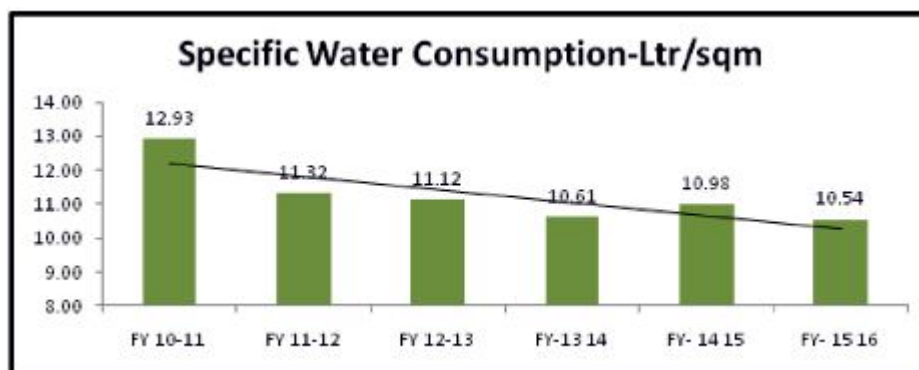
## Energy Consumption FY 2015-16

DESCRIPTION	UNIT	2014-15	2015-16
Annual Production	Lac Sqm	144.74	148.86
Total electrical energy	Lac KWH per annum	259.79	245.43
Specific energy consumption Electrical	KWH / sqm	1.79	1.65
Total thermal energy consumption	Lac Kcal	2617826	2688710
Specific energy consumption (fuel)	Kcal/sqm	18086	18062

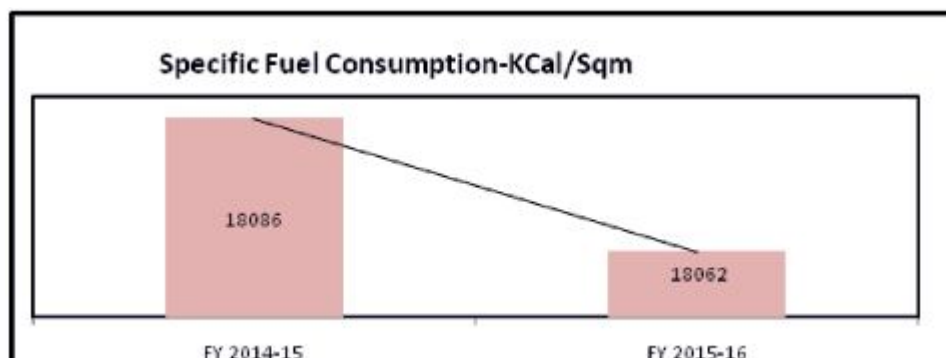
### Specific Energy Consumption



### Specific Water Consumption (Liter/SQM)



### Specific RLNG & Bio fuel consumption K.cal per Sqm



### List of Energy Conservation Measures taken in FY 2015-16

Year of Commissioning of the projects	Project description	Achievement of Annual energy savings in 2015-16						Investment incurred on the project Rs. (Lac)	
		Electricity	Fuels*				Total savings (Rs. Lac)		
		(Lac kWh)	Coal (ton)	Saw dust (MT)	LPG (MT)	Gas (Lac Nm <sup>3</sup> )			Total fuel (MTOE)
2015-2016	Saving thru use of VFDs at various locations in the plant	2.81					24.166	26.25	3.0
	Saving thru replacing metal halide lamp by LED lamp.	0.26					2.236	2.43	3.6
	Saving thru gas engine replacement & low voltage (transformer loss eliminated)	3.48					29.928	32.50	10.0
	Saving thru changed grinding media from Alumina to flint stone pebbles (body raw material grinding)	5.85					50.31	54.64	22.37
	Saving thru optimum utilization of dust collector by auto using damper at Press	1.41					12.1088	13.15	1.2
	Saving thru minimizing the idle running motor	1.57					13.502	14.66	-
	Saving thru replacement of old motor with new IE3 motors	2.09					17.974	19.52	4.8
	Saving thru agitator motor replacement (BMPD)	2.51					21.586	23.44	1.6
	Saving thru use of dual agitator in Glaze preparation	1.79					15.394	16.72	1.9
	Saving thru Thermal images		3263.51	4122.25	547.86	-26.26	0.0000136	0.49	1.54