



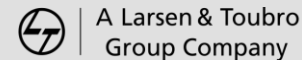
Celebrating 20 Years

Larsen & Toubro Infotech Ltd.

Technology Centre - 1, Powai, Mumbai.

CII National Award for Excellence in Energy Management 2021 (Building Sector)

Team
Nandan Jha (Presenter) , Ashwin Ashok & Santosh Dalvi



Meet LTI

(Building Sector)

We are a global technology consulting and digital solutions Company helping more than 435 clients succeed in a converging world. With operations in 31 countries, we go the extra mile for our clients and accelerate their digital transformation with LTI's Mosaic platform enabling their mobile, social, analytics, IoT and cloud journeys. Founded in 1997 as a subsidiary of Larsen & Toubro Limited, our unique heritage gives us unrivalled real-world expertise to solve the most complex challenges of enterprises across all industries. Each day, our team of more than 36,000 LTItes enable our clients to improve the effectiveness of their business and technology operations and deliver value to their customers, employees and shareholders

35

Global
Delivery
Centers

\$1.75 Bn

LTM Revenue

36,000+

LTItes

71

Fortune 500
Clients

Industry Focus

24.1%

Energy &
Manufacturing

29.3%

Consumer,
Media &
Technology

14.5%

Insurance

32.1%

Banking

Technology Centre

Headquarter Office, Powai,
Mumbai

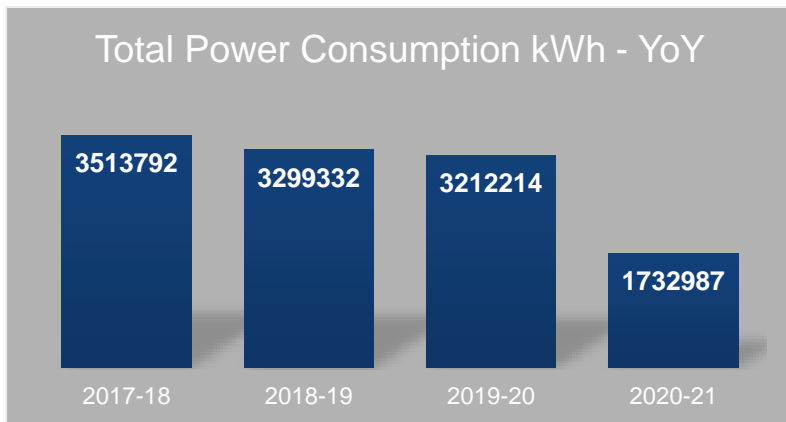
- Site Operational Year : 2006
- Total Built-up Area : 210670 Sq. Ft.
- Total No of Floors : G + 6

UTILITIES

- Sanctioned Load in KVA : 1500 KVA
- Maximum Recorded KVA : 900 KVA
- Transformers : 1250 X 2 No's
- Diesel Generators : 1010 KVA, 750 KVA
- Workstation UPS Support : 150 KVA X 2 No's
- Server Room UPS Support : 80 KVA X 1 No's



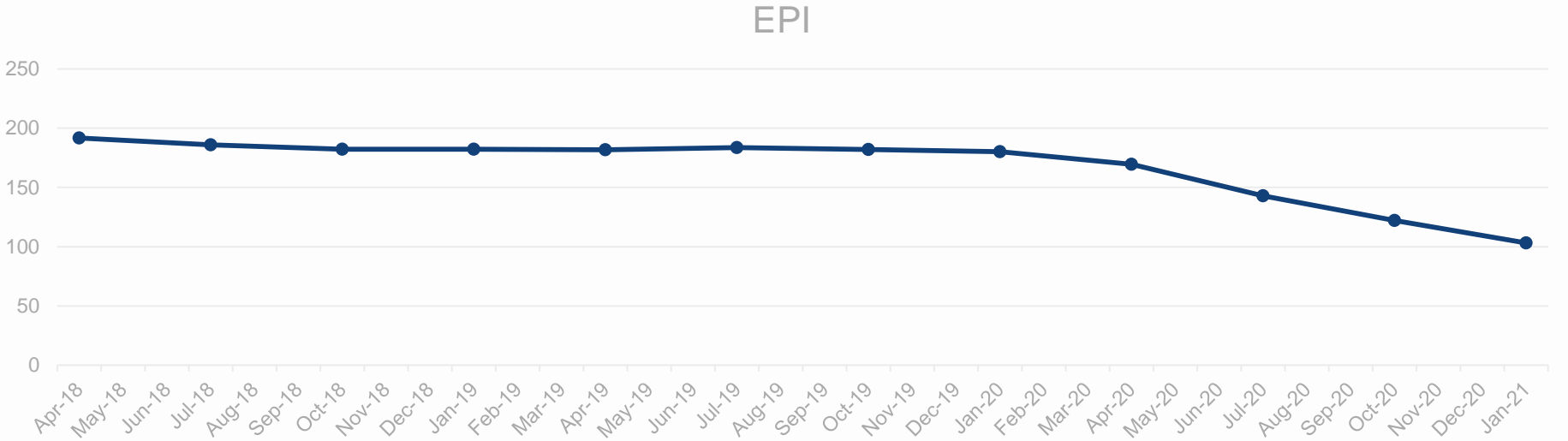
Energy Consumption Overview 2018-2021



Year	kWh	Area Sq. m	kWh/Annum/Sq M	kWh/Month/Sq M	Performance (%)
2017-18	3,513,792	19,579	179.47	17.95	Base Year
2018-19	3,299,332	19,579	168.51	16.85	-6.10%
2019-20	3,212,214	19,579	164.06	16.41	-2.64%
2020-21	1,732,987	19,579	88.51	8.85	-46.05%

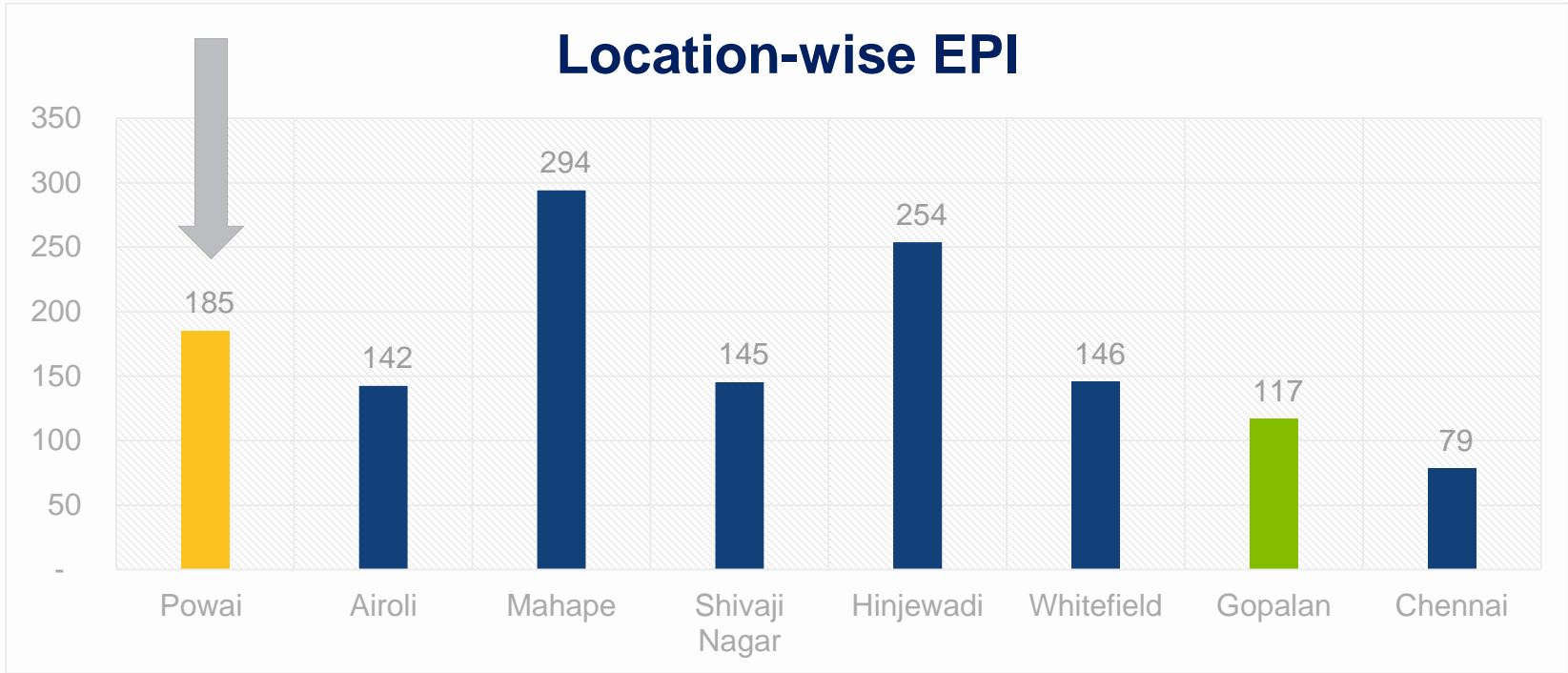
Specific Energy Consumption Trend 2018-2021

Apr-18	Jul-18	Oct-18	Jan-19	Apr-19	Jul-19	Oct-19	Jan-20	Apr-20	Jul-20	Oct-20	Jan-21
192	186	182	182	182	183	182	180	170	143	122	103

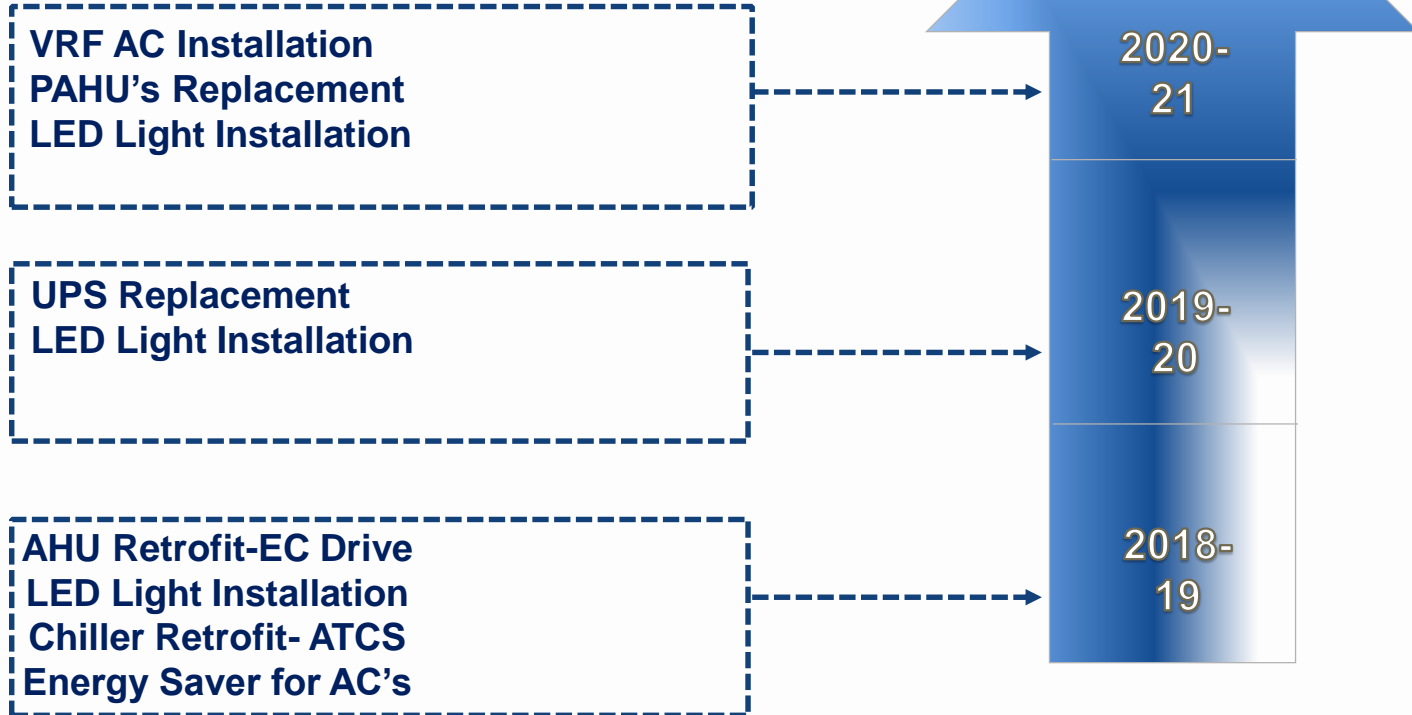


Internal Benchmarking EPI as of 2021

Chennai Location Power Consumption does not include HVAC component Hence it seems the best



Energy Saving Journey...



Energy Saving projects implemented in last three years

Year	No of Energy Saving Project	Investment (INR Million)	Electrical Savings (Million kWh)	Savings (INR Million)
FY 2018-19	4	4.48	0.28	2.77
FY 2019-20	2	4.51	0.14	1.58
FY 2020-21	4	2.48	0.23	2.19

Innovative Projects implemented



Project Name –
Automatic Condenser Tube Cleaning System

Year of Installation-2018-2019

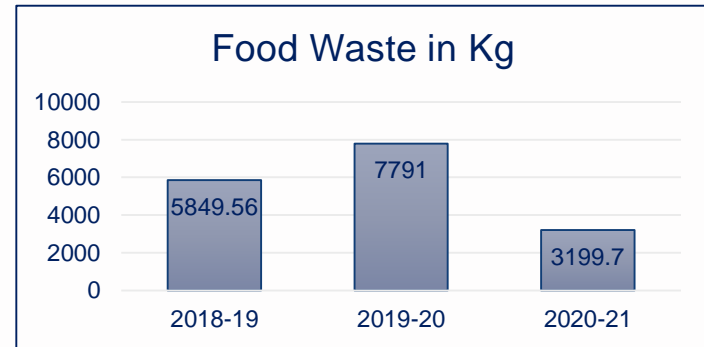
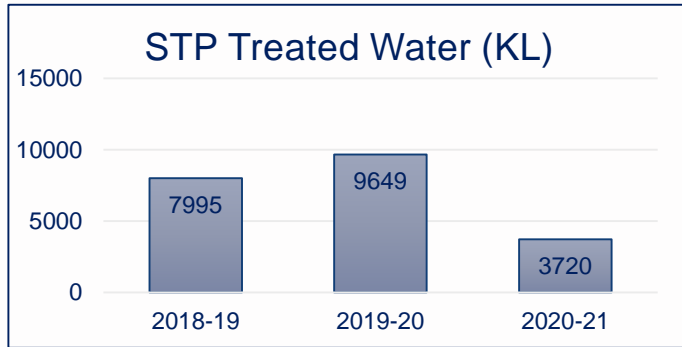
Savings:- 65,640 kWh

Utilization of Renewable Energy sources

Year	Technology (Electrical)	Type of Energy	Onsite/ Offsite	Installed Capacity (MW)	Generation (Million kWh)	% of overall electrical energy
FY2018-19	Electrical	Solar	Offsite	2.4 MW	1.09101	33 %
FY2019-20	Electrical	Solar	Offsite	1.0 MW	1.132254	35 %
FY2020-21	Electrical	Solar	Offsite	1.0 MW	1.259105	72 %
FY2018-19	Electrical	Wind	Offsite	0.350 MW X3	0.717875	21%
FY2019-20	Electrical	Wind	Offsite	1.25 MW	0.64732	20%
FY2020-21	Electrical	Wind	Offsite	1.25 MW	-	0%

Waste Management

- Installed 75 KLD Sewage Treatment Plant in year 2018 for recycle of waste water and 21363 KL water has treated and used for Flushing , HVAC and Gardening.
- Installed Organic Waste Converter in year 2019 and till now converted 5111 Kg wastage food into manure and use for Gardening.
- Recycled 9533 Kg cardboard and shredded paper to print notepad in last 3 years
- As an initiative to reduce plastic landfilling Installed Pet Bottle crusher in year 2019.



GHG emission and indoor air quality

Year	Scope 1 Emission	Scope 2 Emission	Scope 3 Emission	Ton of Co2 equivalent
2017-18	6.12	2021.35	332.74	2360.21
2018-19	9.12	1233.25	346.95	1589.33
2019-20	8.93	1183.65	343.09	1535.66
2020-21	12.35	385.65	67.77	465.78

Sustainability Roadmap 2030-

- Our commitment to achieving carbon neutrality in our India operations has been operationalized through a host of initiatives, including enhancing resource efficiency as well as moving to renewable alternatives.
- We are also helping our communities become more carbon resilient through afforestation efforts.
- We have made our employees a part of this journey by including them in volunteering activities and reducing their travel footprint.

Teamwork & Monitoring



IOT and BMS based Monitoring and Control -
Chiller, AHU and UPS



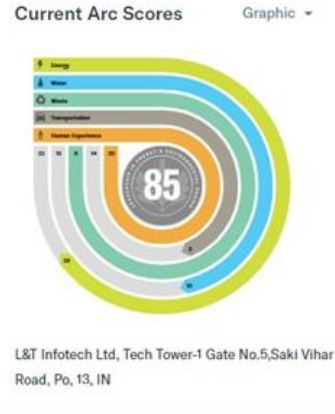
Daily consumption & efficiency reporting Monthly
Energy review – Chaired by Location Head



Planned to Installation the Solar plant of capacity
300KW 2021-2022

Implementation of ISO 50001/Green Co/USGBC rating -

Any other relevant information
Major achievements etc.



% investment of energy saving projects on total turnover of the company

THANK YOU