

2020

# ENERGY AUDIT REPORT



LMS Assessments Limited  
IAF Accredited Certifying Agency

Energy Data Assessed from  
01-APR-2019 to 31-MAR-2020

Facts included as found onsite  
at the time of assessment



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# 1 EXECUTIVE SUMMARY

The purpose of this Energy Audit was to seek opportunities to improve the energy efficiency of the J. S. University. Reducing the energy consumption despite improving the human comfort, health and safety were of primary concern.

Beyond just identifying the energy consumption pattern, this audit sought to detect and categorize the most energy efficient appliances. Additionally, some daily practices relating common appliances have been shared which may help reducing the energy consumption. Data collection for energy audit of the University was carried out by the Audit Team.

The Energy Audit Report accounts for the energy consumption patterns of the University on actual survey and detailed analysis during the audit. The work comprehends the area wise consumption traced using suitable equipment. The analysis was carried out by our team with the support of the staff members from J. S. University.

The report is based on certain generalizations including the approximations wherever necessary. The views conveyed may not reveal the general opinion. They merely represent the opinion of the team guided by the interviews of clients. We are happy to submit this Energy audit report to the J. S. University.





## 2 INTRODUCTION OF UNIVERSITY

J. S. University is a private university established in 2015 by Sri Jagdish Jan Kalyan Educational Trust at Shikohabad of Firozabad district, Uttar Pradesh, India. It was established by Uttar Pradesh act no.7 of 2015 and recognized by University Grants Commission (India) under section 2(f) of its act.



### 2.1 Vision | Mission of the University

#### VISION

To be one of the leading international education providers and a research-led university of its own kind. Creating and dissemination knowledge, and providing students a unique learning experience in Science, Technology, Management and other areas of scholarship that will best serve the world and betterment of mankind, Our ability to enhance the well-being of the people by Educating and serving the society by putting the knowledge to work with excellence. To advance the professional competence of youth and inculcate in them the urge to recognize challenges as opportunities.

#### MISSION

JS University aims to lead the nation in research and education We seek to do this in way which benefit society on a national and a global scale. Creation through economic, social and environmental development targeted to an increasingly global and multicultural world.





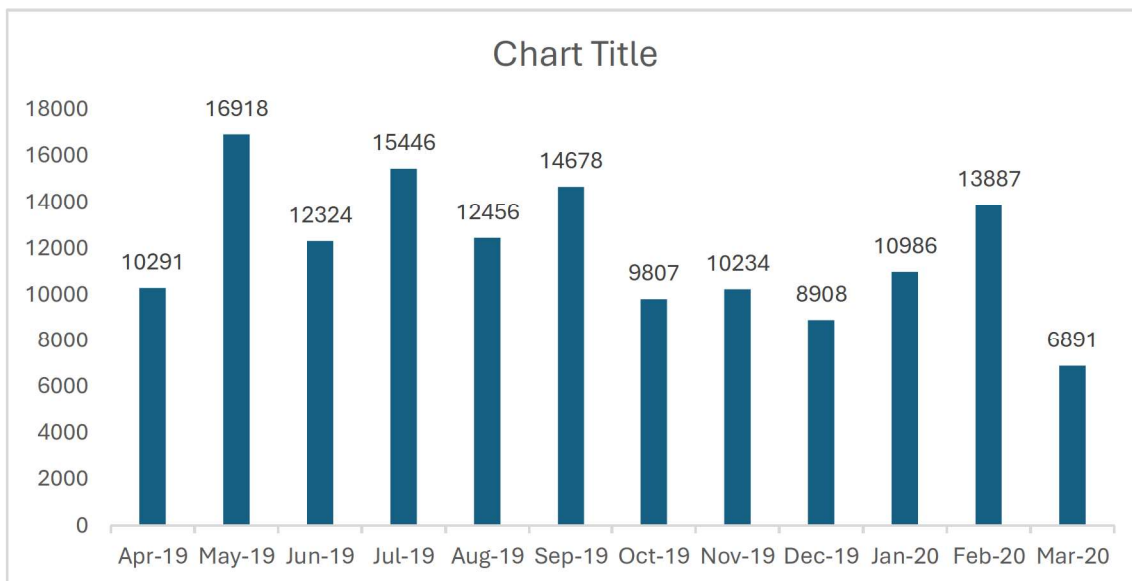
### 3 ENERGY AUDIT ANALYSIS

#### 3.1 ENERGY CONSUMPTION

##### Summary of Monthly Electricity Consumption and Total Bill Amount

To understand the Energy consumption trend and for developing the baseline parameter we have collected monthly energy bill for the 12 months.

Month	Units (KWH)
Apr-19	10291
May-19	16918
Jun-19	12324
Jul-19	15446
Aug-19	12456
Sep-19	14678
Oct-19	9807
Nov-19	10234
Dec-19	8908
Jan-20	10986
Feb-20	13887
Mar-20	6891
<b>Total</b>	<b>142826</b>

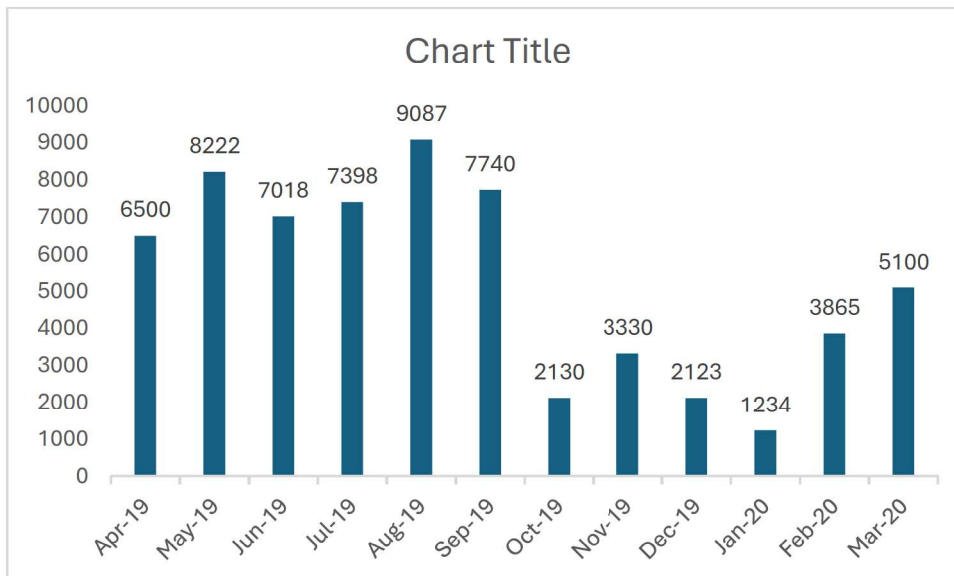




### 3.2 Diesel Consumption in Generator

Below is the diesel consumption details in litres.

Period	Diesel consumption (in litres)
Apr-19	6500
May-19	8222
Jun-19	7018
Jul-19	7398
Aug-19	9087
Sep-19	7740
Oct-19	2130
Nov-19	3330
Dec-19	2123
Jan-20	1234
Feb-20	3865
Mar-20	5100
<b>Total</b>	<b>63747</b>





### 3.3 User of alternate sources of energy



**Solar Energy**



Solar Inverter panel



### 3.4 Use of Energy Saving Devices



Uses of Led Light



## 4 Observations:

Institution adopted the Sustainable Energy Practices by installation of Solar Systems in the campus.

Solar Energy has been used to reduced raw power consumptions.

Minimal utilization of Diesel Fuled Generator and minimized pollution.

The Institution follows the energy saving practices by use of LED and other energy efficient equipment in the campus.

\*\*\*\*\* END OF THE REPORT \*\*\*\*\*

