

2020

# GREEN ENVIRONMENT AUDIT



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Royal Assessments Private Limited

Data assessed from

01-Jan-2019 to 31-Dec-2019

Fact included as found on site  
at the time of assessment



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## 1 EXECUTIVE SUMMARY

This Green Environment Audit is a snapshot in time, in which the institutional campus has been assessed for its performance in complying with applicable environmental laws and regulations and respective quality management system.

This audit appraises the efforts of the institution in and around its campus towards environmental protection and environmental awareness at local and global front. The audit covers the physical facts as noticed at the time of audit and the data for the period **from 01-Jan-2019 to 31-Dec-2019**

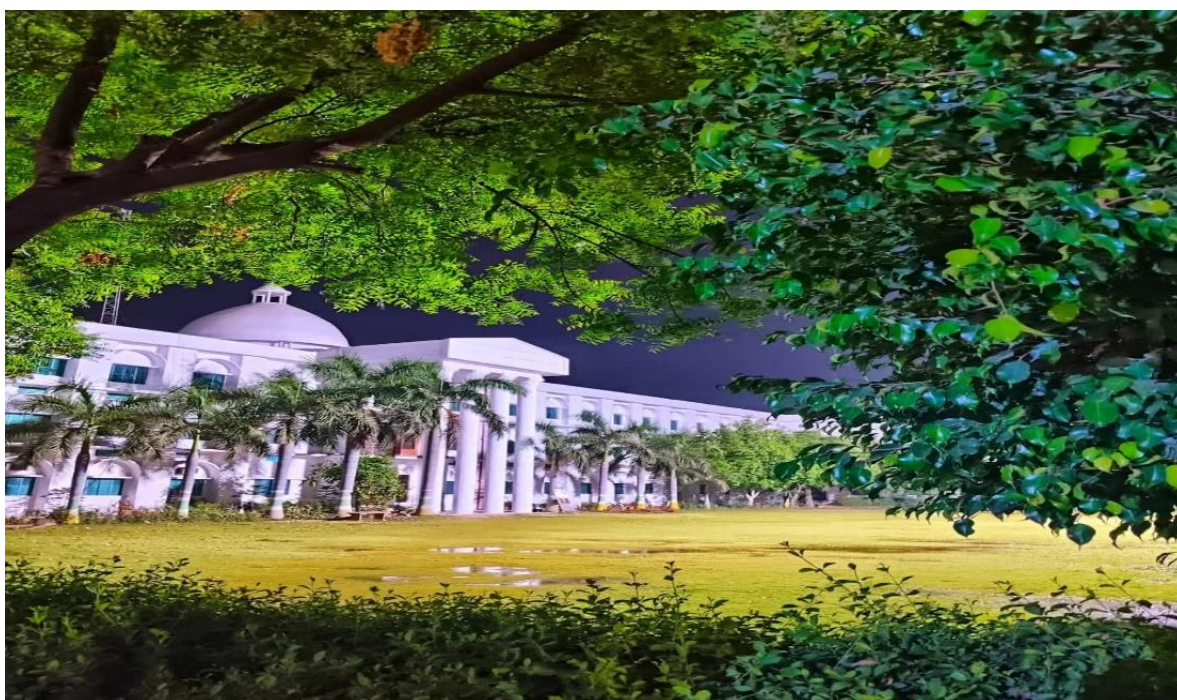
Audit criterion is green environmental cognizance, waste management, water conservation, and energy conservation in/around the campus.

This audit report contains observations and recommendations for improvement of environmental consciousness and cannot be used for any legal/regulatory/statuary/other purposes.



## 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

J. S. 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 GREEN ENVIRONMENT AUDIT

#### 3.1 Green Initiative at J. S. University

1. Restricted Entry of automobiles is in the campus.
2. University encourages the students & staff for using public transport system/carpooling/battery operated vehicles.
3. For short distance, we motivate them to use bicycles.
4. Ban on plastic use: Awareness among students/staff to minimize or no use of plastic.
5. Institute is eco-friendly, Clean and Green with pedestrian friendly pathways.
6. Institute is with Proper landscaping with trees and plants



**Landscaping with trees**



**Landscaping with trees**



**Herbal Garden at the University**





## 3.2 Water Conservation at J. S. University

### 3.2.1 Water Usage and Conservation

1.	List uses of water in your university	Basic usage of water in campuses are Drinking, Gardening, Kitchen, Laboratories, Toilets etc. and total consumption is 5210 KL/month
2.	How does your university store water? Are there any water saving techniques followed in your university?	Water is supplied through bore well at several locations and distributed using overhead tanks. We avoid overflow of water through control valves provided in water supply system.
3.	If there is water wastage, specify why and how can the wastage be prevented / stopped?	Water leakages are immediately attended by authorized plumbers of university to conserve water.
4.	Locate the point of entry of water and point of exit of waste-water in your university.	Entry- Ground water Exit- From Water Drainage System to rainwater harvesting system and some amount is drained in the drainage system.
5.	Write down few ways that could reduce the amount of water used in your university	By Following ways:  1. RWH, close the taps after usage and by stopping leakages.  2. Maintenance and monitoring of valves in supply system to avoid overflow, leakage and spillage  3. Water Conservation awareness for students, faculties, staffs and residents of the hostels.
6.	Record water use from the university water meter for six months (record at the same time of each day). At the end of the period, compile a table to show how many liters of water have been used.	As the water is supplied through bore well and no water meters are installed, therefore, accurate estimate of water consumption data is not available. We propose to install water meter in future.
7.	Does your university harvest rainwater?	Yes, University has total 17 Nos. of rain harvesting pits that take care of rainwater wastage.
8.	Is there any water recycling system.	Yes, RO wastewater is stored in tank and reused for cleaning and gardening purpose

### 3.2.2 Water Storage



**Water Storage system at J S University**



**Pond for storage of Waste/Harvested Water**



### 3.2.3 Rainwater Harvesting

Rainwater Harvesting is the most economical and smart way to tap water resource. It keeps the campus free from water scarcity. During Rainy season water is channelized in one direction by using small channels and used to irrigate the university Campus, Lawns and garden.



Recharge pits & Tanks at J. S. University

### 3.2.4 Borewell Recharge



Borewell Recharge at J. S. University

### 3.2.5 Maintenance of Water Bodies

The maintenance of water bodies and distribution system in the campus is regularly monitored. Leakage in pipes is properly checked and repaired to avoid any wastage of water. Wastewater recycling is functional in the Campus.

### 3.3 Waste Management at J. S. University

J. S. University have very less impact on the environment as the University is very conscious of generating less waste and recycling it by passing it through a system that enables the used material to be reused ensuring that less natural resources are consumed.

The university has segregated waste into three parts:

1. Solid Waste
2. Liquid Waste
3. Hazardous Lab Waste
  - a. Waste Segregation
  - b. Solid waste management
  - c. E waste Management
  - d. Waste water recycling system
  - e. Rainwater Harvesting
  - f. Borewell Recharge



**Sewage Treatment Plant**



**Water Treatment Plant**