St. Joseph's College for Women (Autonomous)



Report of Green Audit July 2023



St. Joseph's College for Women (Autonomous) Green Audit Report July 2023



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St. Joseph's College for Women (Autonomous) Green Audit Report

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1. Introduction

St. Joseph's College for Women (Autonomous), affiliated to Andhra University, was founded in July 1958 by the Sisters of St. Joseph of Annecy in response to the local need for a Women's college in the city of Visakhapatnam.

The College has been autonomous since 1987 and reaccredited by NAAC with A Grade on the new four-point scale in 2014. The college has been contributing significantly to the cause of women's education at Under-graduate level for five decades and seven years at Post graduate level. The College has evolved into a reputed institution of higher education, dedicated to academic excellence, utilizing the various opportunities provided by Andhra University, the State Government and University Grants Commission.

In this voyage of self-discovery and self enhancement, the college has several achievements to its credit such as implementation of UGC Programmes, offering of Vocational and Restructured courses as per the needs of time and community, Computerization, Internet connectivity to name a few.

College and campus anywhere in this document refers to the St. Joseph's College for Women (Autonomous).

Below are the vision and mission of the college.

1.1. Vision

St. Joseph's College for Women aims at being a Centre of Academic Excellence which Empowers Young Women to provide Intellectual Leadership and transform the world through Courage of Conviction, Optimism and Hope.

1.2. Mission

St. Joseph's College for Women, affirming its faith in God and love for humanity seeks to impart Holistic Education to Young Women while developing global competencies of leadership and make them socially responsive members in a changing technology driven world.

2. Scope

The present report pertains to the college premises near Gnanapuram. The report details the environment related observations, data and suggested improvements and recommendations for Energy, Water, Waste, Air, and Biodiversity.

3. Environment Policy

The organization has defined an Environment policy and it is displayed in Notice Boards in college and hostel also. Below is the environment policy of the college and the objectives.

Encourage – green practices to maintain a green, healthy, and pollution free campus. **Comply** – to all the statutory norms, without fail. **Continuously improve** – the whole system, to conserve resources to the maximum extent possible. **Communicate** – the initiatives, targets, objectives, and progress to various stakeholders, both internal and external. **Involve** – as many stakeholders as practicable, in our journey towards sustainability. **Inculcate** – green thinking and living among the students, to make them aware of their role in making the planet sustainable, and to transform them into an environmentally and socially responsible individuals.

Objectives of the Policy:

Create environmentally sustainable campus, and provide a clean, healthy, and pollution free environment in the campus.

- Strive towards continuous improvement basing of the PDCA (Plan-Do-Check-Act) cycle.
- Ensure that all the legal requirements are met with as per the law of the land.

• Create awareness about good environmental practices and to contribute to sustainability every possible way.

- To efficiently conserve water, energy, and other resources.
- Effective waste management practices.
- To inculcate / follow eco-friendly practices.
- Conduct green events and inculcate sustainable attitude among the faculty and students.

4. Energy

Energy is a critical component of environmental management system that provides various opportunities for conservation. Addressing this key element of the system will conserve a lot of resources both directly and indirectly.

4.1. Energy Sources

The college has three energy sources:

4.1.1. Power Grid

The grid catering to most of the energy needs. The power connection from APEPDCL supplies the needful power to the college. The monthly consumption status of the college, based on the monthly billing is shown below.



Monthly Power Consumption (kWh)

Average power consumption is **5,135 kWh** per month. So, the daily average consumption is **170 kWh per day**.

4.1.2. Roof Top Solar

The college has a Roof Top Solar installed on the main building. The details of the Roof Top Solar and further details are shared in **4.2 Roof Top Solar**, of this document.

4.1.3. Diesel Generators

The third source of electricity are the two diesel generators installed on site, the details of which are provided in **4.3 Diesel Generators**.

4.2. Roof Top Solar

The building has a Roof Top Solar of **40 kW** capacity with **127** panels. The panels are cleaned everyday to ensure efficient energy production.



Fig 2. The solar panels can be seen on the main building terrace, in this top view of the campus.

The overall expected energy generation by the Roof Top Solar is 160-200 kWh per day. However due to the coal dust emanating from the open coal yard of the port nearby this is impacted severely and this is observed to be around an average of **128 kWh per day**.

4.3. Diesel Generators

There are two diesel generators (DGs) within the campus premises, a **20 kVa** DG and a **62.5 kVa** DG. The diesel is procured from the nearby bunk, as and when needed. On an average 20 litres of diesel is procured every month, and DG Sets operate an average of 15 hours per month.

4.4. Indoor Lighting

The indoor lighting is measured of all work areas and they are meeting the National Building Code norms. The readings were taken at **9** AM in the morning.

Location	Lighting Loval	NBC Recommendation		
Location	Lighting Level	Minimum	Optimal	Maximum
Main Building Class Room	580 lux	200	300	500
First Floor F1 Class Room	800 lux	200	300	500
Ground Floor Class Room	250 lux	200	300	500
Admin Block	350 lux	200	300	500
Admin Block First Floor	400 lux	200	300	500

Admin Block Ground Floor	1,000 lux	200	300	500
Library	480 lux	200	300	500
Laboratories		200	300	500
Canteen		150	200	300
Food Preparation and Cooking		300	500	750

The lighting readings were taken at 9 AM in the morning at a height of 72 inches from the ground level.

4.5. Energy Conservation Measures

4.5.1. Replacement of Conventional Tube Lights with LED Tube Lights

Whenever any conventional tube light gets damaged or becomes non-functional, it is being replaced with LED tube light. **Fifty-five** conventional tube lights have been replaced with LED lights since Dec 2022 to March 2023 – this resulted in a total conservation of **1,982 kWh** of electricity in a year, considering 8 operational hours per day and 200 working days per year.

4.5.2. Installation of Solar Lights

Six solar lights have been installed within the campus, this leading to a conservation of nearly **1,314 kWh** in a year.



Fig 3. A solar light installed near the Admin Building.

4.5.3. Replacement of Conventional Fans with BLDC Fans

The damaged conventional AC fans will be replaced with the Brush Less Direct Current (BLDC) fans. The conventional AC fans consume an electricity of 80W whereas a BLDC fan consumes 35W – this leads to a saving of **131 kWh** of electricity in a year per replaced fan.

4.6. Observations and Recommendations

The energy conservation measures are well implemented, monitored and tracked. Some things which can be improved further is have a more streamlined solar panels cleaning system in place, so that solar power generation is more efficient and hence reducing the net energy requirement of the campus.

The college also intend to install additional roof top solar on the Admin building as well. If the college can improve the cleaning of the existing roof top solar panels and install additional 30-40 kW roof top solar and maintain both well, the college will become a Net Zero Energy Campus.

In addition to maintenance and installation of solar, additional energy efficiency measures can also be taken up like auto-level cut off systems for water tanks.

The Diesel Generator fuel consumption and operation timings are also to be tracked properly so as to account for the fuel and energy generation. An additional energy meter for DGs can also help us understand how much electricity from DGs is being used by the campus.

When it comes to lighting, the measurements were taken at 9 AM in the day lighting. Instead the readings are to be taken during operational (with lights on and off) and non-operational hours (with all lights on) during night. Based on these readings areas with low lighting can be identified and accordingly it can be addressed.

5. Water

Water is second most crucial resource required for any facility. The college lies in Gnanapuram – which is a low-lying area and often prone to flooding, during rainy season. The main source of water is ground water.

5.1. Water Sources

There are three wells – two with borewells and one without bore well. The one with borewells are used to extract ground water. Apart from this the college has metered municipal water connection. This is the second source of water.



Fig 4. Metered municipal water connection

5.2. Rainwater Harvesting

Though the college doesn't have any shortage of ground water, the college implemented rainwater system for it's buildings. The total terrace area of the four blocks is given below:

Block Name	Terrace Area in Square Meters
Administrative Block	469
Main Block	1,471.2
Hostel Block	1681

Library	Block

384

Total catchment area in the form of terrace is $4,005.2 \text{ m}^2$. The same have also been shown in the top view image below:



Fig 5. The campus area is shown in yellow. The terrace area of which rainwater is harvested is shown in blue. Bottom left building is the Hostel Block, top right block is the Admin Block, the small triangle shaped block is the Library Block and the 'C' shaped block with a little extension is the Main Block.



Fig 6. Distinctly marked Rainwater Harvesting Pits at the Main Building and Administration Block.

Along these blocks there are six rainwater harvesting pits that collect the rainwater and recharge the ground water.

The annual rainfall for the area is 1,116 mm per year. Taking this into consideration the total estimated rainwater harvested in a year is **4.46 million litres** or **44.69 lakh litres**.

Based on the standard water requirements of the scholars, staff and hostel students the water conserved is **16%** of the total estimated water requirement of the campus.

5.3. Drinking Water

The municipal water is fed to two Reverse Osmosis (RO) plants and water dispensers are placed in blocks to provide the drinking water supply to the various floors of the blocks.



Fig 7. RO Water Plants in the college.

The discard water from RO plants is used for gardening, and for flushing in washrooms.

5.4. Water Conservation Measures

Rainwater harvesting and RO Discard Water usage are the two water conservation measures implemented by the college.

5.5. Observations and Recommendations

While the municipal water is metered, the major utilization of water is through the borewell, hence installing water meters there is very much recommended, to track the overall water requirements.

The rainwater harvesting systems are robust and maintained well.

Most of the faucets in the rooms are old and conventional. If these can be replaced with low flow faucets, there can considerable savings both in water and energy.

The way RO discard water is being used for flushing and gardening is very much appreciated.

6. Waste

The college has 1976 students and 131 staff members. The college is a women's college and majority of the staff are also women.

6.1. Types of Wastes Generated Onsite

The wastes generated include Paper, Plastic, Glass, Electronic, Hazardous, Food and Kitchen, Garden, Sanitary and Sewage Waste. Each waste and the details are mentioned below.

6.2. Paper Waste

Being an academic institution, a lot of paper waste is generated. The college has tied up with ITC Limited under the project ITC WOW. As part of this they have handed over **3,330 kg** of paper waste during **2022-2023**.

6.3. Electronic Waste

Not much electronic waste is generated from the college because of the very minimal electronic equipment involved. This electronic waste is also stored in a dedicated space and discarded through APPCB Authorized E-waste Recycler. In **2022-2023**, **425** kg of e-waste has been handed over to ITC under ITC-WOW project.

An e-waste bin is also placed with the Main Block for collection of electronic waste from students and staff. All the collected e-waste is also handed over to the authorized e-waste recycler.

6.4. Hazardous Waste

Very minimal scope for hazardous waste generation is there. For the little hazardous waste that may be generated, the college has tied up with a APPCB Licensed Hazardous Waste Recycler, for disposal.

The broken glass material that comes from the laboratories also falls under the hazardous waste, however, it has been dealt with separately in the subsequent section.

6.5. Plastic Waste

Not much plastic waste is generated on site. The plastic waste is collected only in canteen, which is handed over to GVMC along with other waste.

6.6. Glass Waste

The glass waste has a separate storage area, where all the broken glassware is kept. In the past the glass waste was handed over to a glass blower who used to recycle that into new glassware. The college is in the process of identifying a new glass waste recycler and will be handing over the waste to them for recycling.

6.7. Food and Kitchen Waste

The food and kitchen waste created from canteen is recycled through the following facilities:

6.7.1. Vermicomposting

Kitchen waste is recycled through the vermicomposting unit within the campus. The converted compost is sold locally. The vermicomposting unit is of 5' x 10' dimension with two units.





Fig 8. Vermicomposting Facility at Campus

6.7.2. Biogas Plant

A biogas plant of capacity **4** m³, managed by conglomerate, operated by campus, is present, where the kitchen and food waste is fed so as to convert it into biogas. The biogas is in turn used in the hostel mess kitchen (managed by conglomerate) for cooking purposes. The plant on an average produces **3 kgs of Biogas per day**, which is used in the hostel mess kitchen. Both biogas and hostel mess are operated by the conglomerate.



Fig 9. Biogas Plant at Campus

6.7.3. Piggery and Cattle

A piggery and cattle facility is also there, managed and operated by the conglomerate. The remaining food and kitchen waste is fed to the cattle and pigs in this facility. The cow dung from the facility is used in vermicomposting and also fed into the biogas plant.

6.8. Garden Waste

The main garden area in the centre of the Admin block has compost pit where leaf litter is dumped and converted into compost. The resulting compost is again used for gardening purposes.

6.9. Sanitary Waste

Being a women's college, sanitary waste is a huge component of the campus. There are 10 washrooms areas across the campus and hostel. This includes a total of 90 washrooms. The Admin block and main block washrooms have sanitary napkins incinerators installed, which are used by the students to dispose the sanitary pads. Thus, all the sanitary waste is getting incinerated on site, instead of disposing through the municipal body, thus saving a lot of resources indirectly.



Fig 10. Sanitary Napkins Incineration Machines installed in Washrooms

For better hygiene of the students, Sanitary Napkins dispensing machine is also placed in the main block.



Fig 11. Sanitary Napkin Vending Machine at Washrooms

6.10. Sewage Waste

The sewage waste is collected in septic tanks and disposed through the local municipality licensed septage waste disposal vendor.

6.11. Waste Minimization Measures

Awareness posters have been put up in canteen and notice boards to reduce the waste to the maximum extent possible. Awareness sessions are organized for students and staff to empower them with the appropriate knowledge of these things and to engage them actively in these initiatives.

6.12. Observations and Recommendations

A lot of efforts and initiatives are there to reduce/recycle the waste generated within the campus. However, tracking of the waste being generated / recycled is not so robust. Measuring and monitoring the quantity of different types of waste generated, how much waste is going into which recycling facility, on a daily or ad-hoc basis will give a better picture and ensure total accountability.

A flow meter can be fixed to the biogas outlet, and the reading be taken periodically to measure the biogas generated from the plant.

A major recommendation would be to have an inhouse Sewage Treatment Plant (STP). As the college is already taking up a lot of initiatives, exploring and implementing a reed bed system or Eco-STP model, instead of the conventional STP, will add a lot of value to college and to the community. Doing this will also pave the way for many colleges and institutions when it comes to sewage waste management.

The sanitary napkins incinerator machines need to be installed in the Hostel Blocks as well.

7. Air

The college is present right next to the Visakhapatnam Port, thus posing a lot of challenges because of the port dust. This is the most challenging part for the college administration, as many of the parents also raise concerns in this regard.

7.1. Ambient Air Quality

The ambient air quality of the premises is tested every six months and needful arrangements are done to keep the air quality within the permitted levels. The testing is done by a third party, to ensure transparency and credibility.

7.2. Indoor Air Quality

Indoor air quality is also tested once in six months through the third-party vendor. Appropriate measures are taken to ensure that the level is within the permitted levels.

7.3. Air Quality Improvement Measures

A lot of trees have been planted in vacant areas of the campus thus safeguarding the area from air pollution, acting as a barrier. Apart from this, the Admin building has a garden with thousands of plants, thus improving the air quality further.

7.4. Diesel Generator Emissions

Third party testing of DG Emissions of both the generators is done periodically, and it is ensured that they are within the CPCB prescribed limits.

7.5. Noise Levels

Noise levels across the campus are measured quarterly and all practicable actions are taken up by the college to ensure that noise levels are within the CPCB prescribed limits.

Trees are planted and well grown along the college boundary to ensure that noise levels are cut off especially from the road traffic. Being closer to the airport, noise because of aeroplanes is unavoidable for the college.

7.6. Observations and Recommendations

Air Quality in campus is a crucial element for campus, as it is nearby the port area. So more efforts to measure the outdoor as well as indoor air quality, and needful processes to curb any abnormal values also to be brought in.

Tree along with the border have been grown well. However, there still some gaps in between and addressing them will make the green barricade much more effective.

8. Biodiversity

While energy, water and waste are given a priority by many organizations, it is also important to understand the biodiversity of the area and also notice any improvements in the same.

8.1. Tree Cover

The overall tree cover of the campus is well maintained with trees grown all along the borders of the campus, thus reducing the air and noise pollution for the surrounding roads and facilities.



Fig 12. Ashoka trees along the outer fencing of the campus shield the building from the pollution – both air and sound pollution.

A detailed study of the overall number of trees along with their scientific names is also done and report published internally. The names of the trees are also prominently displayed, where needed.

Nearly **750** well grown trees are present within the campus.

8.2. Gardening

Gardens provide a visually pleasing and serene environment. The presence of green spaces, colorful flowers, and lush foliage creates a sense of beauty and tranquility. This aesthetic appeal can have a positive impact on the occupants and visitors of the facility, promoting a sense of calmness, relaxation, and overall well-being. Studies have shown that exposure to greenery and nature can reduce stress levels, improve mood, and enhance mental clarity.

In addition to their aesthetic value, gardens offer several practical advantages. They act as natural cooling systems by reducing the temperature through shading and evapotranspiration. This can be especially beneficial in urban areas where heat island effects are prevalent. Gardens also contribute to air purification by absorbing carbon dioxide and releasing oxygen, thereby improving air quality and creating a healthier environment for facility occupants.

Educational institutions can utilize gardens as outdoor classrooms or laboratories, fostering hands-on learning experiences and environmental awareness.

Moreover, gardens support biodiversity and ecological balance. They provide habitats for various plant species, insects, birds, and other wildlife, contributing to the preservation of local ecosystems. By incorporating native plants and creating diverse habitats, gardens can help restore and conserve biodiversity, thus promoting ecological sustainability.

From an environmental perspective, gardens can assist in managing stormwater runoff and reducing soil erosion. Well-designed gardens with appropriate vegetation and landscaping techniques can absorb rainwater, decrease the volume and velocity of runoff, and allow for better infiltration into the soil. This helps prevent flooding, minimizes soil erosion, and protects nearby water bodies from sedimentation and pollution.

The college has extensive gardens which includes thousands of ornamental plants. They also have a dedicated area where medicinal plants are also grown.



Fig 13. Garden in the center of the Admin block, that houses thousands of plants, including some medicinal plants. Also can be seen the labelling of trees in both English and local language – Telugu.



Fig 14. Medicinal Plants garden in Admin Block





Fig 15. Garden at the Hostel Block



Fig 16. Students Participating in the Cleaning and Gardening Work. This is a routine practice in campus.

8.3. Flora and Fauna

The campus also has done a study of all the flora of the campus – this includes aquatic plants, herbs, shrubs, trees and climbers. A report is also published including the scientific names of

the all the plants within the campus – block wise. The report was internally published on 24th February 2023.



Fig 17. A fish pond in the Admin Building Premises and Garden Area.



Fig 18. Fish aquariums in the Admin Block.

There are a total of **3,709 plants/trees** within the campus.

8.4. Observations and Recommendations

The gardens are well maintained and add a lot of aesthetic value to the campus. Specific emphasis to native varieties can be added and enhancement of the same should also be targeted. The report prepared can add more insights like percentage of native species, any special features of plants/trees, medicinal properties of plants/trees etc. The report should ideally also identify areas with more scope for plantation, and accordingly targets to be established year wise to improve overall green cover and tree cover of the campus.

Additional emphasis should also be given to sustainable landscaping practices like water efficient irrigation system, organically growing things, invasive species management etc. May be association with other colleges and universities in an around the city for exchange of plants, ideas, sharing of resources etc, can be established to make it more comprehensive, effective and inclusive.

9. Summary

The college is doing well in the areas of energy, water, waste and biodiversity management. Needful efforts are to be put in when it comes to air. A lot of initiatives are being taken up by the college management, however they are not tracked and monitored to an extent to provide useful insights. Targets and objectives are also be set up more robustly to ensure their efforts are diverted towards a goal in a more effective way.

Overall the college management has taken a lot of efforts by themselves to shape the campus towards sustainability. Now that the college is certified for ISO 14001:2015, and have a robust system in place, there will be a drastic improvement from an environment standpoint, making the college much more sustainable in the coming years.





Certificate of Registration

This is to certify that

ST. JOSEPH'S COLLEGE FOR WOMEN (AUTONOMOUS)

CONVENT JUNCTION, GNANAPURAM, VISAKHAPATNAM - 530004, ANDHRA PRADESH, INDIA.

> has been independently assessed by QRO and is compliant with the requirement of:

ISO 9001:2015

Quality Management System

For the following scope of activities:

PROVISION OF INTERMEDIATE, GRADUATION AND POST GRADUATION PROGRAMMES

Date of Certification: 2nd March 2022 1st Surveillance Audit Due: 1st March 2023 2nd Surveillance Audit Due: 1st March 2024 Certificate Expiry: 1st March 2025

Certificate Number: 305022030232Q







Head of Certification

Validity of this certificate is subject to annual surveillance audits to be done successfully on or before 365 days from date of the audit. (In case surveillance audit is not allowed to be conducted; this certificate shall be suspended / withdrawn). The Validity of this certificate can be verified at www.qrocert.org

This certificate of registration remains the property of QRO Certification LLP, and shall be returned immediately upon request.

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राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

The Executive Committee of the National Assessment and Accreditation Council on the recommendation of the duly appointed Peer Jeam is pleased to declare the St. Joseph's College for Women (Autonomous) Gnanapuram, Visakhapatnam, affiliated to Andhra University, Andhra Pradesh as Accredited

with CSPA of 2.89 on four point scale

at B⁺⁺ grade valid up to August 08, 2024

Date : August 09, 2019





Director



EC(SC)/43/RAR/APCOGN10139



Date:10/1/2023

To Ref No:FL/SE/22/214 <u>St.Joseph College for Women</u> Znanapuram, Visakhapatnam.

This is to certify that the below mentioned quantity of fire extinguishers, Fire hydrant system(Hose reels, Hydrant Valves) and Manual Call Points are supply and installed by Flamex Fire & Safety Solutions, which are under warranty for 2 year from the Date(10th JAN 2023) of AMC, refilling and staff also have been trained on how to use the extinguisher and hydrant system.

SI. no	Fire equipment type(All Blocks)	Date of AMC/Refilling	Due date of inspection/Refilling	Remarks
1	Fire Extinguishers	10/Jan/2023	Jan/2025	Good and Working condition
2	Fire Hydrant system	10/Jan/2023	Jan/2025	Good and Working condition
3	Fire booster pumps	10/Jan/2023	Jan/2025	Good and Working condition
4	Manual Call Points	10/Jan/2023	Jan/2025	Good and Working condition

Authorized Signature

Flamex Fire and Safety Solutions.



Flamex Fire and Safety Solutions

#49-14-31/2, Lalitha Nagar, Visakhapatnam-16. Off: 9948523238, Cell: 9030889214, 9912345016. Email:flamex.vizag@gmail.com







Certificate of Appreciation

We take great pleasure in awarding Certificate of Appreciation of St. Joseph's College for Women Visakhapatnam

For contributing 3330 kgs of paper waste to ITC-WOW A Nation Wide Recycling Initiative. Environmental savings by recycling of above contributed paper waste are 63 trees, 0.28 cubic mtrs. of land fill space, 7 KL of water, 1508.5 units of energy and reduction of 0.31 mt of Co₂ During the year of 2022-23 Let us Make India Clean & Green



Form C Government of Andhra Pradesh Food Safety and Standards Authority of India License under FSS Act, 2006



License Number: 10123003000257



 Name & Registered Office address of Licensee:
Address of Authorized Premises:
Address of Authorized Premises:
St. JOSEPH'S COLLEGE FOR WOMEN (A), D.NO 34-3-42, GANANAPURAM, VISAKHAPATNAM, Visakhapatnam, Andhra Pradesh-530004
St. JOSEPH'S COLLEGE FOR WOMEN (A), D.NO 34-3-42, GANANAPURAM, VISAKHAPATNAM, Gnanapuram, Visakhapatnam, Andhra Pradesh-530004

No

State License

3. Kind of Business:

4. Dairy Business Details:

5. Category of License:

This license is granted under and is subject to the provisions of FSS Act, 2006 all of which must be complied with by the licensee.

Place:	Visakhapatnam
Issued On:	13-03-2023 (New License)
Valid Upto:	12-03-2024 (For details, refer Annexure)

Food Services - Club/Canteen

Designated Officer				
Date :	13-03-2023 15:54:06			
User Id : 📐 🖊	107846			
Verified through Mobile :	98XXXXXX61			
License Grant on :	13-03-2023 15:38:18			
License Issued On :	13-03-2023 15:54:06			

Annexures:

- 1. Product Annexure
- 2. <u>Validity Annexure</u>
- 3. Non-Form C Annexure
- 4. Conditions Of License

Note:

- 1. Application for renewal of License can be filed as early as 180 days prior to expiry date of License. You can file application for renewal or modification of License by login into FSSAI's Food Safety Compliance System(<u>https://foscos.fssai.gov.in</u>) with your user id and password or call us at 1800112100 for any clarification.
- 2. This License is only to commence or carry on food businesses and not for any other purpose.
- 3. This is computer generated license and doesn't require any signature or stamp by authority.

Product Annexure



Form C Government of Andhra Pradesh Food Safety and Standards Authority of India License under FSS Act, 2006



License Number: 10123003000257

Kind Of Business: Food Services - Club/Canteen

SI.No.	Product(s)
1	16 - Prepared Foods
2	15 - Ready-to-eat savouries
3	18- Indian Sweets and Indian Snacks & Savouries products
4	07 - Bakery products
5	05 - Confectionery
6	01 - Dairy products and analogues, excluding products of food category 2.0
7	14 - Beverages, excluding dairy products

Validation And Renewal Annexure



Form C Government of Andhra Pradesh Food Safety and Standards Authority of India License under FSS Act, 2006



License Number: 10123003000257

Validity From	Validity Upto	Issued On	Fee Paid	Туре	Issuing Authority
13-03-2023	12-03-2024	13-03-2023	2000 INR	New	State Licensing Authority

Suspension History

S.No History		Date
N/A		

Current Status of License: License Issued

Note:

- 1. Application for renewal of License can be filed as early as 180 days prior to expiry date of License. You can file application for renewal or modification of License by login into FSSAI's Food Safety Compliance System(<u>https://foscos.fssai.gov.in</u>) with your user id and password or call us at 1800112100 for any clarification.
- 2. The Application for renewal of license shall be submitted 30 days prior to the expiry date mentioned above after which Rs. 100 per day will be charged up to the date of expiry.
- 3. Modification* (if any) denotes the change in the Authority. Issuing Authority mentioned along with Modification* is the Jurisdictional Authority with effect from the date of issuance of modified license.

Non-Form C Annexure



Government of Andhra Pradesh Food Safety and Standards Authority of India License under FSS Act, 2006



	License Number:	10123003000257			
Person in charge of operations					
Name:	AVITI RAMA	Qualification:	UG		
Contact No:	N/A	Mobile No:	7989020555		
Email-ID:	vizagmarchentstraders@gmail.com				
Address :	ST JOSEPH'S COLLEGE FOR WOMENS (A	.), D.NO 34-3-42, GNANAPURAN	I, VISAKHAPATNAM		
State:	Andhra Pradesh	District:	Visakhapatnam		
Pin Code:	530004	Photo Id Card:	Aadhar Card		
Photo Id No:	340142349595	Photo Id Expiry Date:	N/A		
FoSTaC No:	Not Provided				
Person responsible for complying with conditions of license(The person must be same as mentioned					
Person resp	onsible for complying with conditions	of license(The person must b	e same as mentioned		
Person respo in Form IX, a	onsible for complying with conditions as per FSS Regulations, 2011)	of license(The person must b	e same as mentioned		
Person respo in Form IX, a	onsible for complying with conditions as per FSS Regulations, 2011)	of license(The person must b	e same as mentioned		
Person respo in Form IX, a Name:	onsible for complying with conditions as per FSS Regulations, 2011) AVITI RAMA	of license(The person must b Qualification:	UG		
Person respo in Form IX, a Name: Contact No:	onsible for complying with conditions as per FSS Regulations, 2011) AVITI RAMA N/A	of license(The person must b Qualification: Mobile No:	UG 7989020555		
Person respo in Form IX, a Name: Contact No: Email-ID:	onsible for complying with conditions as per FSS Regulations, 2011) AVITI RAMA N/A vizagmarchentstraders@gmail.com	of license(The person must b Qualification: Mobile No:	UG 7989020555		
Person respo in Form IX, a Name: Contact No: Email-ID: Address :	onsible for complying with conditions as per FSS Regulations, 2011) AVITI RAMA N/A vizagmarchentstraders@gmail.com ST JOSEPH'S COLLEGE FOR WOMENS (A	of license(The person must b Qualification: Mobile No: .), D.NO 34-3-42, GNANAPURAN	UG 7989020555 //, VISAKHAPATNAM		
Person respo in Form IX, a Name: Contact No: Email-ID: Address : State:	onsible for complying with conditions as per FSS Regulations, 2011) AVITI RAMA N/A vizagmarchentstraders@gmail.com ST JOSEPH'S COLLEGE FOR WOMENS (A Andhra Pradesh	of license(The person must b Qualification: Mobile No: .), D.NO 34-3-42, GNANAPURAN District:	UG 7989020555 //, VISAKHAPATNAM Visakhapatnam		
Person respo in Form IX, a Name: Contact No: Email-ID: Address : State: Pin Code:	AVITI RAMA N/A vizagmarchentstraders@gmail.com ST JOSEPH'S COLLEGE FOR WOMENS (A Andhra Pradesh 530004	of license(The person must b Qualification: Mobile No:), D.NO 34-3-42, GNANAPURAN District: Photo Id Card:	UG 7989020555 //, VISAKHAPATNAM Visakhapatnam Aadhar Card		
Person respo in Form IX, a Name: Contact No: Email-ID: Address : State: Pin Code: Photo Id No:	AVITI RAMA N/A vizagmarchentstraders@gmail.com ST JOSEPH'S COLLEGE FOR WOMENS (A Andhra Pradesh 530004 340142349595	of license(The person must b Qualification: Mobile No:), D.NO 34-3-42, GNANAPURAN District: Photo Id Card: Photo Id Expiry Date:	UG 7989020555 //, VISAKHAPATNAM Visakhapatnam Aadhar Card N/A		

Place: Visakhapatnam Issued On: 13-03-2023 (New License)

Designated Officer

Date :	13-03-2023 15:54:06
User Id : 📐 🖊	107846
Verified through Mobile :	98XXXXXX61
License Grant on :	13-03-2023 15:38:18
License Issued On :	13-03-2023 15:54:06

Note: Any change in above details shall be immediately communicated to authorities. You can apply for modification of license for updation of details without any cost through Food Safety Compliance System (<u>https://foscos.fssai.gov.in</u>)

Condition of License

All Food Business operators shall ensure that the following conditions are complied with at all times during the course of its Food Business.

Food Business Operators Shall:

- 1. Display a true copy of the license granted in Form C shall at all time at a prominent place in the premises.
- 2. Give necessary access to licensing authorities or their authorized personnel to the premises.
- 3. Inform authorities about any change or modifications in activities.
- 4. Employ at least one technical person to supervise the production process. The person supervising the production process shall possess at least a degree in science with Chemistry/ Bio-chemistry/ Food and nutrition/ Microbiology or a degree or diploma in Food Technology/ Dairy Technology/ Dairy Microbiology/ Dairy chemistry/ Dairy engineering/ Oil technology/ Veterinary science / Hotel management & Catering technology or any degree or diploma in any other discipline related to the specific requirement of the business from a recognized university or institute or equivalent.
- 5. Furnish periodic annual return 1st April to 31 st March, with in 31 st May of each year. For collection/ handling/manufacturing of milk and milk product half yearly return also to be furnished as specified.
- 6. Ensure that no product other than the product indicated in the license / registration is produced in the unit.
- 7. Maintain factory's sanitary and hygienic standards and workers hygiene as specified in the schedule-4 according to the category of food business.
- 8. Maintain daily records of production, raw materials utilization and sales separately.
- 9. Ensure that the source and standards of raw material used are of optimum quality.
- 10. Food business operator shall not manufacture , store or expose for sale or permit the sale of any article of food in any premises not effectively separated to the satisfaction of the licensing authority from any privy, urine, sullage ,drain or place of storage of foul and waste matter
- 11. Ensure clean-in-place system (whatever necessary) for regular cleaning of machine & equipment.
- 12. Ensure testing of relevant chemical and/or microbiological contaminants in food products in accordance with these regulation as frequency as required on the basis of historical data and risk assessment to ensure production and delivery of safe food through own or NABLaccredited/FSSAI recognized labs atleast once in six month.
- 13. Ensure that as much as possible the required temperature shall be maintained throughout the supply chain from the place of procurement or sourcing till it reaches the end consumer including chilling, transportation, storage etc.
- 14. The Manufacturer/ Importer/ Distributer shall buy and sell food products only from, or to, licensed / registered vendors and maintain record thereof.

Other Condition

- 1. Proprietors of hotels, restaurants and other food stalls who sell or expose for sale savouries, sweets or other article of food shall put up a notice board containing separates lists of the articles which have been cooked in ghee, edible oil, vanaspati and other fats for the information of the intending purchasers.
- 2. Food business operator selling cooked or prepared food shall display a notice board containing the nature of articles being exposed for sale.
- 3. Every manufacture (including ghani operator) or wholesale dealer in butter ,ghee ,vanaspti ,edible oils, solvent extracted oil, de oiled meal, edible flour and any other fats shall minimum a register showing the quantity of manufactured, received or sold, nature of oil seed used and quantity of de oiled meal and edible flour used etc. as applicable and the destination of each consignment of the substances sent out from his factory or place of business, and shall present such register for inspection whenever required to do so by the licensing authority.
- 4. No producer or manufacturer or vegetable oil ,edible oil and their products shall be edible for license under this act ,unless he has own laboratory facility for analytical testing of samples
- 5. Every sale and movement of stocks of solvents- extracted oil,'semi refined' or 'raw grade I', edible groundnut flour or edible coconut flour, or both by the producer shall be a sale or movement of stocks directly to a registered user and not to any other person, and no such sale or movement shall be effected through any third party.
- 6. Every quantity of solvent-extracted oil ,edible groundnut flour or edible coconut flour ,or both purchased by a registered user shall be used by him in his own factory entirely for the purpose intended and shall not be re-sold or otherwise transferred to any other person :
 - Provided that nothing in this sub-clause shall apply to the sale or movement of the following:-
 - 1. Karanjia oil
 - 2. Kusum oil
 - 3. Mahua oil
 - 4. Neem oil
 - 5. Tamarind seed oil
 - 6. Edible groundnut flour bearing the I.S.I certification mark
 - 7. Edible coconut flour bearing the I.S.I certificate mark
- 7. No food business operator shall sell or distribute or offer for sale or dispatch or deliver to any person for purpose of sale any edible oil which is not packed, marked and labeled in the manner specified in the regulations unless specifically exempted from this condition vide notification in the official Gazette issued in the public interest by food safety commissioners in specific circumstances and for a specific period and for reason to be recorded in writing.



SV ENVIRO LABS & CONSULT

(Environmental Engineers & Consultants in Pollution Control)

& Laboratory

Corporate Office : Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam-530012 www.svenvirolabs.com, Ph:0891-2755528, Celi: +91 9440338628 info@svenvirolabs.com, svenviro_labs@yahoo.co.in



Branch Office : 2-53, Mahipala Street, Yanam - 533464. Recognized by Govt.of India-MoEF & CC, New Delhi, Accredited by : NABL & NABET

Ref: SVELC/SJCFWA/23-02/01

Date: 23-02-2023

NAME AND ADDRESS	:	ST.JOSEPH'S COLLEGE FOR WOMEN (AUTONOMOUS), Convent Junction, Gnanapuram, Visakhapatnam, Andhra Pradesh-530004
SAMPLE PARTICULARS		STACK EMISSIONS
SOURCE OF COLLECTION	;	D.G. Set 60 KVA
DATE & TIME OF START	:	21-02-2023 @ 10:30 hr

TEST REPORT

S.No	DESCRIPTION	UNIT	RESULT
1.	Pitot Coefficient	-	0.87
2.	Specific Gravity of Fluid	-	1.0
3.	Temperature @ DGM	⁰ C	30
4.	Stack Temperature	⁰ C	109
5.	Flue Gas Velocity	m/sec	11.6
6.	Duration of Sampling	minutes	30
7.	Fuel Used	-	Diesel

EMISSION RATE

S.No	PARAMETER	UNIT	RESULT	PCB STANDARD
1.	Particulate Matter – PM	mg/Nm ³	40.3	115
2.	Sulphur Dioxide-SO ₂	mg/Nm ³	25.1	-
3.	Oxides of Nitrogen -NO _X	mg/Nm ³	38.6	-

CHECKED BY SV ENVIRO LABS & CONSULTANTS NIRO VISAKHAPATNAN 2.



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Ref: SVELC/SJCFWA/23-02/02

Date: 23-02-2023

NAME AND ADDRESS	:	ST.JOSEPH'S COLLEGE FOR WOMEN (AUTONOMOUS), Convent Junction, Gnanapuram, Visakhapatnam, Andhra Pradesh-530004	
SAMPLE PARTICULARS	ŝ	STACK EMISSIONS	
SOURCE OF COLLECTION		D.G. SET 20 KVA	
DATE & TIME OF START	:	21-02-2023 @ 11:30hr	

TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT
1.	Pitot Coefficient	-	0.87
2.	Specific Gravity of Fluid	92	1.0
3.	Temperature @ DGM	⁰ C	31
4.	Stack Temperature	⁰ C	96.0
5.	Flue Gas Velocity	m/sec	8.65
6.	Duration of Sampling	minutes	30
7.	Fuel Used	-	Diesel

EMISSION RATE

S.No.	PARAMETER	UNIT	RESULT	STANDARD
1.	Particulate Matter – PM	mg/Nm ³	35.9	115
2.	Sulphur Dioxide-SO ₂	mg/Nm ³	21.1	8
3.	Oxides of Nitrogen -NO _X	mg/Nm ³	35.2	

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NAME AND ADDRESS	5	ST.JOSEPH'S COLLEGE FOR WOMEN (AUTONOMOUS), Convent Junction, Gnanapuram, Visakhapatnam, Andhra Pradesh-530004
SAMPLE PARTICULARS	;	AMBIENT AIR QUALITY
SOURCE OF COLLECTION	:	NEAR MAIN GATE
DATE & TIME OF START	:	03-03-2023 @ 10:00 hr
DURATION OF SAMPLING	:	24 Hours
ATMOSPHERE CONDITION	:	Clear Sky

TEST REPORT

		1			
S.No	PARAMETER	UNIT	RESULT	NAAQ STANDARDS	METHOD
1.	Particulate Matter(Size<10 μ) or PM ₁₀	µg/m³	67.8	100	IS:5182 (P-23) Gravimetric
2.	Particulate Matter(Size<2.5µ) or PM _{2.5}	μg/m ³	30.1	60	IS:5182 (P-24) Gravimetric
3.	Sulphur Dioxide – SO ₂	μg/m ³	14.8	80	IS:5182 (P-2)- West and Gaeke Method
4.	Oxides of Nitrogen - NO _X	μg/m ³	17.9	80	IS:5182(P-6) - Jacob & Hochheiser Method

Remarks: As per the Above Report, all the parameters are within NAAQ Standards.

ABS **CHECKED BY** 0 Q VISAKHAPATNA

AUTHORIZED SIGNATORY



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NAME AND ADDRESS	1	ST.JOSEPH'S COLLEGE FOR WOMEN (AUTONOMOUS), Convent Junction, Gnanapuram, Visakhapatnam, Andhra Pradesh-530004	
SAMPLE PARTICULARS	;	AMBIENT AIR QUALITY	
SOURCE OF COLLECTION	:	NEAR ADMIN BUILDING	
DATE & TIME OF START	:	03-03-2023 @ 10:30 hr	
DURATION OF SAMPLING	:	24 Hours	
ATMOSPHERE CONDITION	:	Clear Sky	

TEST REPORT

S.No	PARAMETER	UNIT	RESULT	NAAQ STANDARDS	METHOD
1	Particulate Matter(Size<10µ) or PM ₁₀	µg/m³	59.9	100	IS:5182 (P-23) Gravimetric
2.	Particulate Matter(Size<2.5µ) or PM _{2.5}	µg/m³	26.2	60	IS:5182 (P-24) Gravimetric
3.	Sulphur Dioxide – SO ₂	µg/m ³	13.6	80	IS:5182 (P-2)- West and Gaeke Method
4.	Oxides of Nitrogen - NO _X	μg/m ³	12.4	80	IS:5182(P-6) - Jacob & Hochheiser Method

Remarks: As per the Above Report, all the parameters are within NAAQ Standards.

ABS CHECKED BY S. С a VISAKHAPATI

AUTHORIZED SIGNATORY



SV ENVIRO LABS & CO

(Environmental Engineers & Consultants in Pollution Control)

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NAME AND ADDRESS		ST.JOSEPH'S COLLEGE FOR WOMEN (AUTONOMOUS), Convent Junction, Gnanapuram, Visakhapatnam, Andhra Pradesh-530004
SAMPLE PARTICULARS	:	AMBIENT AIR QUALITY
SOURCE OF COLLECTION	:	NEAR HOSTEL AREA
DATE & TIME OF START	:	03-03-2023 @ 11:00 hr
DURATION OF SAMPLING	:	24 Hours
ATMOSPHERE CONDITION	:	Clear Sky

TEST REPORT

S.No	PARAMETER	UNIT	RESULT	NAAQ STANDARDS	METHOD
1	Particulate Matter(Size<10 μ) or PM ₁₀	µg/m³	51.8	100	IS:5182 (P-23) Gravimetric
2.	Particulate Matter(Size<2.5µ) or PM _{2.5}	µg/m³	23.2	60	IS:5182 (P-24) Gravimetric
3.	Sulphur Dioxide – SO ₂	µg/m³	12.6	80	IS:5182 (P-2)- West and Gaeke Method
4.	Oxides of Nitrogen - NO _X	µg/m³	10.3	80	IS:5182(P-6) - Jacob & Hochheiser Method

Remarks: As per the Above Report, all the parameters are within NAAQ Standards.

CHECKED BY

b.C O C

AUTHORIZED SIGNATORY



IRS Head Office: 52A, Adi Shankaracharya Marg, Opp. Powai Lake, Powai, Mumbai- 400 072, India Telephone: 91-22-71199800 I Website: www.irqs.co.in I E-mail: irqs@irclass.org

Certificate No: IRCLASS/IMS/IA/2023/43/05 of 05

This is to certify that

DUMPA RAGA SUDHA

0F

ST.JOSEPHS COLLEGE FOR WOMEN AUTONOMOUS

has successfully completed Internal Auditor Training Course On

Integrated Management System

As per

ISO 9001:2015; ISO 14001:2015; & ISO 45001:2018

Date: 22/03/2023 to 24/03/2023

Place: Virtual Class Room

MAN

Shashi Nath Mishra Vice President

Date of Issue: 06-04-2023

IRCLASS/TRG/UAC/ONLINE COURSE/IMS/Rev.00.



CERTIFICATE OF APPROVAL

Issued by Indian Register Quality Systems (A Division of IRCLASS Systems and Solutions Private Limited)

This is to certify that the Environmental Management Systems of

Organisation: St Joseph's College for Women (Autonomous)

Address: Convent Junction, Gnanapuram, Visakhapatnam, Andhra Pradesh - 530 004

has been assessed and found conforming to the following requirement

Standard:	ISO 14001:2015
Scope:	Provision of Intermediate, Graduation and Post-Graduation Programmes
Certificate No.:	IRQS/230300431
Initial Certification Date :	17/04/2023
Current Date of Granting :	17/04/2023
Expiry Date :	16/04/2026



This approval is subject to continued satisfactory maintenance of the Environmental Management Systems of the organization to the above standard which will be monitored by IRQS. The use of the Accreditation Mark indicates accreditation with respect to activities covered by the certificate with accreditation no. EM 005. Condition Overleaf COA/IRQS/NABCB/EMS/Rev 00

Head Office: 52A, Adi Shankaracharya Marg, Opp.Powai Lake, Powai, Mumbai - 400 072, India.

