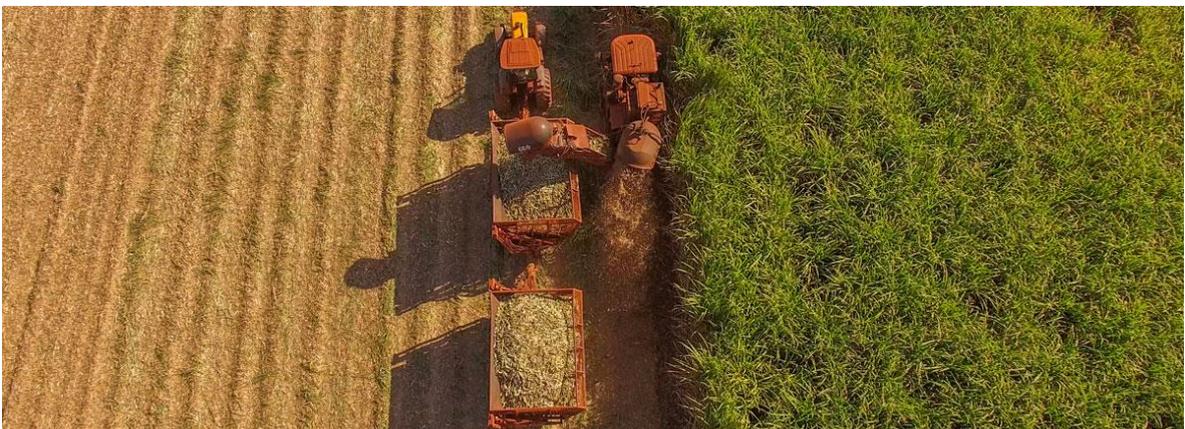


RAJSHREE SUGARS & CHEMICALS LTD

Environment, Social and Governance Report
2022 - 23



BUSINESS OVERVIEW

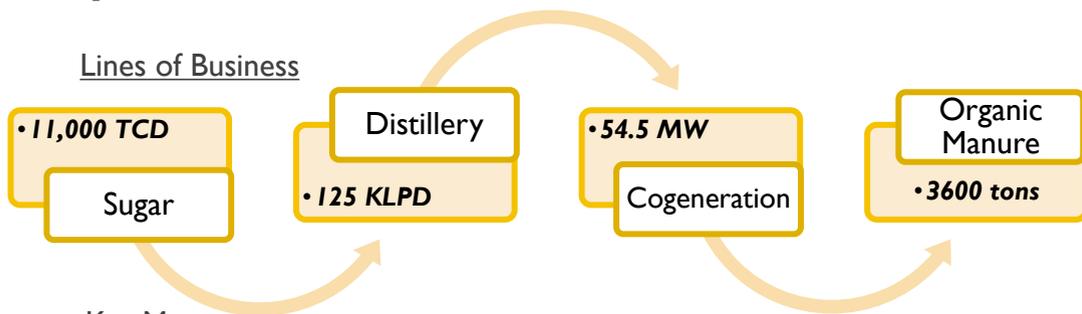


Registered Office : Coimbatore, Tamil Nadu



FY23 Revenue: INR 774 Crore

Lines of Business



Key Management



Ms. Rajshree Pathy
Chairperson



Mr. R. Varadarajan
Whole Time Director

- Rajshree Sugars & Chemicals Limited (RSCL) is an integrated sugar company with three manufacturing facilities in Tamil Nadu
- The company manufactures sugar (S30), industrial alcohol and generates Green power (part of which is for captive consumption and rest is exported to the Grid)
- All the manufacturing locations are in close proximity to Tuticorin and Chennai Ports.

CAPACITY TO DELIVER

	Sugar (TCD)*	Distillery (KLPD)**	Power (MWH)#	Organic Manure (Tons)
Theni	2500	45	12	3600
Mundiyampakkam	5000	-	22	-
Gingee	3500	80	20.5	-

Sugar division accounts for more than **70%** of total revenues and Distillery division and Co-generation division account for **~15%** of revenues respectively

* Tons crushed per day ** Kilitres per day # Mega watts per hour

OUR VALUE CHAIN



Sugar
Crushing capacity: 3 million tons per year
Production capacity: 300,000 tons per year

Ethanol
Production capacity: 36 million litres per year

Power
Export capacity: 200 million units per year

Organic Manure
Production capacity: 3600 tons per year

ESG JOURNEY - HIGHLIGHTS

Clean
Development
Management

ZERO
DISCHARGE -
Distillery

ISO 9001:2015
Certified

Hiring of Local
Talent

Renewable &
Sustainable Energy

Development of
Entrepreneurs

Cane Development
through R&D and
Extension activities

Corporate
Responsibility

ESG - CONTENTS

ENVIRONMENT

- Goals and Setup
- Plastic Waste Management
- Water Management
- Energy Management
- Green Belt Development
- Control on Air and Water Emissions

SOCIAL

- Quality Education
- Community Health Check up & CSR at our Units
- Employee Learning & Well Being
- Safety @Work
- Employee Demography

GOVERNANCE

- Board Tenure
- Agriculture Committee
- Tax Strategy
- Advocacy
- Code of Conduct & Ethics
- Policy against Sexual Harassment of Employees
- Whistle Blower Policy
- Internal Audit

ENVIRONMENT

Goal and Establishment Setup

Being an Economic, Socio and Environmental responsible organization, we have established state-of-art Manufacturing units. This not only entails us to meet the norms of Pollution Control but further extends to reach out to the community by supporting Rain Water Harvesting initiatives and developing Green Belt areas around our Units.



Awareness on Sustainable Environment is imparted to all the employees and public by celebrating World Environmental Day on 5th June every year. Targeted tree planting is carried out throughout our area and free saplings are distributed to the public to inculcate this habit.



SUGAR – Established state-of-art infrastructures for effective treatment of effluent water. The treated water is used for irrigation in own cane farm and for green belt development inside the campus.



DISTILLERY - First to have set up a Zero discharge distillery plant in Tamil Nadu by utilizing the effluent generated (spent wash) for firing the Boiler through the incineration technology.



COGENERATION - First Sugar factory in India to register its cogeneration plant to produce clean energy using “Bagasse” for Clean Development Mechanism (CDM) under the Kyoto Protocol, in 2005, earning Carbon Credits. The actual emission reduction has been verified as 79049 tonnes of CO₂ for the period 1st October, 2005 to 30th September, 2006.

We have continued to use Bagasse to produce electricity at all our Cogen Units thereby producing clean energy and reducing the carbon footprints.

Plastic Waste Management



As per The Plastic Waste Management Rules, 2016 to comply with the Extended Producer Responsibility (EPR) which is registered with CPCB the certificate is valid up to 31.05.2023. We have engaged CPCB approved PRO (Producer Responsibility Organization) agency for effective and efficient collection, segregation and transportation of the material to the waste disposal facility.

This Financial year we have collected and disposed 543 mt of plastic waste on behalf of Rajshree Sugars. The filings and renewals for the current year are in progress.

Water Management

Sugar Cane contains 70% water and this caters to most of our process requirements. Further, the condensate water generated in the process is cooled and reused in the sugar process instead of raw water.

Distillery

In Unit-1, we are recycling around 80% of spent wash to the fermenter in place of raw water at the distillery. Raw water usage to fermenter is being completely avoided thereby saving 450 m³ of raw water per day. The effluent generation reduced from 8 litres to 1.5 litres / litre of alcohol produced i.e. (360 m³/day to 70 m³/day).



Co-Generation

In Unit-3, The raw water consumption has been reduced by 500 m³ per month by recycling Multi Grade Filter & Ultra Filtration backwash water in Water Treatment Plant.

Sugar

In Unit-2, During factory operation we are re-using the cooled condensate for factory use and completely stopped usage of raw water.

Effluent treatment plant treated water is completely utilized for our factory garden maintenance and cane farm land.



ENVIRONMENT

Energy Management

RSCL is well equipped with latest steam and power saving economical devices which resulted in low steam % and power per ton of cane.

Green Power

Ethanol is renewable and has low carbon emissions thereby better air quality. As pioneers in Tamil Nadu to produce Ethanol from cane Syrup, as part of Ethanol Blending Program, we have produced 11.3 lakh litre of ethanol at our Unit 1, Varadaraj Nagar during FY 2022-23. 10 lakh litres were supplied to oil companies.



At Unit-I, Varadaraj Nagar

In Distillery, Degasifying vapor was diverted to Aldehyde column without condensing. This resulted in reduction of steam consumption in Aldehyde column. Steam saving was 1.5 ton / day and for 35 days of operation cost saved was Rs 0.64 lakhs. Raw water saved from condenser is 7.5 m³/day

During the first eight days of the plant start up, Ethanol (AA) cooling tower was used for fermenter cooling instead of Rectified Spirit (RS) cooling tower. Power reduced form 60 Hp to 7.5 Hp. Power saved for 8 days is 2688 units and cost saved is 0.18 lakhs

At Unit-II, Mundiampakkam

During 2023 main off-season, the bleeding system was modified by utilizing the III vapour bleeding to batch grain pan and I No. A-massecuite batch pan. Due to this modification, during 2022-23 main crushing season, we have saved 0.89 % of steam as against 2021-22 main season.



Switch to LED

At Unit 1, Conventional bulbs were replaced with LED bulbs resulting in power saving of 209 units/day.

At Unit 2, 4 No of 400 Watts MH Light fittings were replaced with 4 No of 200 watts LED fitting at Bagasse godown area. Power saved is 4224 Units per annum and cost saved is 0.213 Lakh

ENVIRONMENT

Green Belt Development

In Unit-1, As per TNPCB “Kurunkadugal” scheme, we have planted 1000 Nos of samplings in our factory premises at an area of 25000 sq.m.



In Unit-2, Green belt development is being continuously done in and around our premises by planting various spices.



In Unit-3, we have donated 3000 nos. of tree saplings to Semmedu village panchayat under “Kurungaadugal scheme”.

Control of Air and Water Emissions

In Unit-1, The wet scrubber nozzles of the Boiler were modified to increase the water spraying in flue gas. The efficiency of wet scrubber increased and Suspended Particulate Matter (SPM) in flue gas was reduced significantly.

In Unit-2, two fields of the Electro Static Percipitate (ESP) were serviced during off season and SPM maintained within the norms.

SOCIAL

Social Vision : Providing education and a chain of employment opportunities for building a self reliant rural Tamil Nadu across our Operations.

Topics	Progress in Fiscal of 2022 - 23
Quality Education	2100 Children study in a safe and nurturing environment
Benefiting Agricultural Communities	Bringing a wide diversity of Farmers, Harvest Manpower and Transporters together
Community Wellness	Organizing Medical camps for the community around the units
Learning Culture	Inculcating the habit of continuous learning
Committed to Health, Safety & Hygiene	In-house Clinics, Safety committees, PPEs and Workshops to build a strong Culture
Beyond the Campus	Providing Scholarship to Children of employees

Quality Education

Two schools have been founded with an objective to cater to the needs of the local community and to provide quality education.



Srivalli Varadaraj Matriculation School

Andipatti, Theni District, TN
Managed by GV Memorial Trust

Rajshree Sugar Ramakrishna Vidya Matriculation Higher Secondary School

Munidiyambakkam, Villupuram District, TN
Managed through Rajshree Sugars Sri Ramakrishna Educational Society



Our vision is to create proactive global citizens, helping them to unfold their inherent talents to do their best while instilling in them appropriate and desirable ethical values to make students productive and responsible members of the society.

Community Health Check up & CSR at our Units

At Unit-I, Varadaraj Nagar:

- Drinking water is provided to the nearby villages regularly.
- Primary health care is provided for the nearby villages.
- Donations were provided to the nearby villages to celebrate temple festivals.
- Donations were given to conduct 1st Book Fair in Theni District through the District Collector, Theni.
- Covid – 19 Vaccination camp was conducted on Aug-2022.





At Unit-III, Semmedu

We have organized the “General Medical Camp – 2023” in association with RMR Hospital at Palappadi. There were 107 people who got benefited from our camp.

We have organized the “General Medical Camp – 2023” in association with Arunai Medical College and Hospital at community center, Semmedu. There were 183 people who benefited from our camp.



Employee Learning & Well Being

In Unit-3, Gingee, Technical Training session was organized for Mechanical, Process, Cogen and Cane department, around 144 employees participated.



On 08-12-2022 TB awareness program and Medical checkup camp Organized at Unit 2 Mundiypakkam.



In Unit-3, Gingee, a Dengue awareness session for all employees was conducted on 04th Nov 2022. 152 employees participated. Mosquito spray was done inside our factory premises on 09th Nov 2022



Non Communicable Disease Camp was organized on 21st Oct 2022. 145 employees got benefitted.

Eye camp was organized on 10th Aug 2022. 63 employees got benefitted in this camp.



SAFETY @ WORK

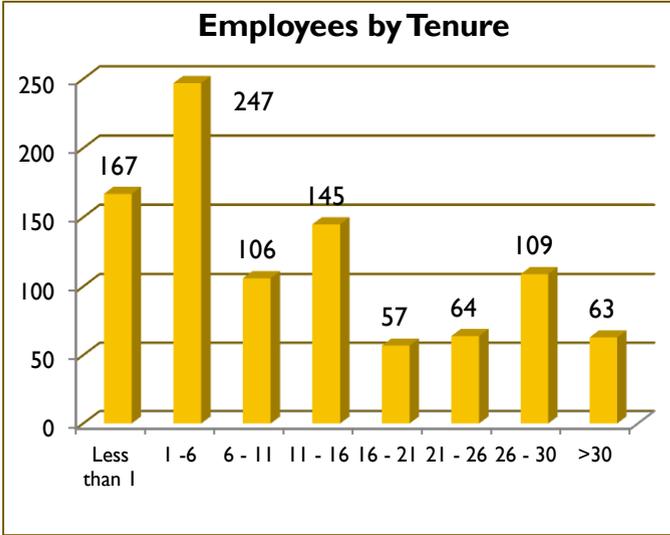
“Employee Safety awareness at Workplace “Training conducted by Mrs. Elakkiya DDISH-VPM during Sep 22 both at our Unit 2 & Unit 3



Fire and First Aid Trainings at the Units

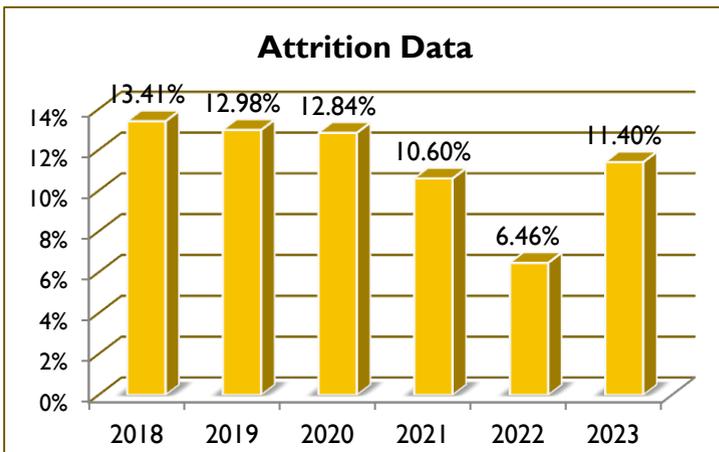
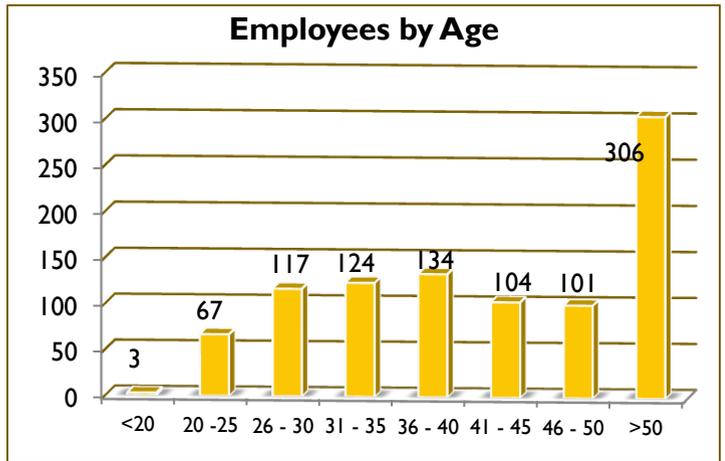


PEOPLE



Tenured Workforce

Blend of Experienced and youth



Retention of Talent

GOVERNANCE

<p>Board Tenure</p>	<ul style="list-style-type: none"> •The average tenure of the board members is 21 years (based on 12 years data). The tenure of Independent Directors is restricted to 5 years for a term and based on the performance evaluation, such Directors may be proposed and elected for a second term.
<p>Committees</p>	<ul style="list-style-type: none"> •Company is having various Committees constituted by the Board of Directors (both mandatory and non-mandatory committees) to review and recommend specified matters, as per the requirements of the Companies Act, 2013 and SEBI Regulations such as Audit Committee, Nomination Remuneration Committee, Stakeholders Relationship Committee.
<p>Tax Strategy</p>	<ul style="list-style-type: none"> •The Company is tax compliant and utilizes the provisions of the Income Tax Act, as applicable, for tax saving purposes.
<p>Advocacy</p>	<ul style="list-style-type: none"> •The Company focuses on developing and maintaining a cordial relationship with relevant policy makers in the State and Central Government, business organizations, industry associations, educational institutions, and community organizations for smooth running of the business.
<p>Code of Conduct & Ethics</p>	<ul style="list-style-type: none"> •Our Code of Conduct & Ethics helps us to maintain the better relationship with the internal and external Stakeholders. It complies with the legal requirements of applicable laws and regulations and ethical handling of conflicts of interest.
<p>Policy against Sexual Harassment of Employees</p>	<ul style="list-style-type: none"> •The Company is an equal opportunity employer and is committed to creating a healthy working environment that enables employees to work without fear of prejudice, gender bias and sexual harassment. The Company believes in treating its employees with dignity.
<p>Whistle Blower Policy (Vigil Mechanism)</p>	<ul style="list-style-type: none"> •The Whistle blower policy has been formulated and provides a mechanism for directors and employees of the company to raise their voice against any unethical practices in the company and to approach the Chairman of the Audit committee for any such reporting. The policy is available in our website https://www.rajshreesugars.com/
<p>Internal Audit</p>	<ul style="list-style-type: none"> •The Internal Audit is assigned to independent Chartered Accountants and their periodic reports are submitted to the Board. The remedial actions are being carried out based on the findings by the Internal Auditors and reported to the Board.