

17.3.6 c – Progress against SDG6 – Policy Document and Certificate of Appreciation

POLICY DOCUMENT ON CLEAN WATER AND SANITATION

Clean water being the absolute necessity for sustenance of life, the Institution has ensured that clean water is provided by establishing RO drinking water plants there after initial treatment the water is retreated by the reverse osmosis before being supplied for drinking purposes. The totally treated water for the purposes of drinking is 36500 litres per day and the total capacity is 8000 litres per hour per day.

DRINKING WATER FOR DOMESTIC PURPOSES

The RO drinking water domestic units are established which is having a total capacity of 536 litres per hour and 1640 litres of treated water is supplied through these domestic units.

WATER TREATMENT PLANTS

Water treatment plants are provided to treat water before it is being used in toilet, Quarters, Men's hostel and Ladies Hostel and the capacity is 3350000 litres per day. Five water treatment plants are used for this purpose. There is a well chartered water balance mechanism where the requirement is met by recycling treatment and used for all the necessary purposes. The housekeeping, landscaping necessities are fully met by ensuring the generation of clean water. The total water consumption per day in litres is 457775.

RECYCLED WASTE WATER

The campus has a well planned waste sewage system, affluent disposal system which ensures zero discharge of waste in the campus. There is an active recycle waste water plant, capacity 500 KLD, two sewage treatment plants. The recycled water thus produced is used for landscaping and dual plumbing & flushing purposes. For instance, the total water collected in the college campus

is 250 KL, the water is recycled therein is 220 KL. Sprinkler system is used for the purpose of gardening which ensures minimum wastage of water and at the same time providing for maintaining a clean and green campus.

WATER EFFICIENT CAMPUS

The appliances that are used for efficient water management include sensors for automated flushing and automatic water level controller for avoiding overflow in over head tanks.

RAIN WATER HARVESTING

The most efficient mechanism for uninterrupted water supply which is most commonly used in the present day is Rain water harvesting. The rain water is collected from the terrace and is diverted to the open wells in the Institute and is used most efficiently. The dual insensity filter works on the principle of cohesive and centrifugal force. No extra energy is required as it works on gravitational force. It is perfectly wall mounted and is compact in size. It automatically flushes out dirty particles. It can be connected at any angle and turned to any degree because of its flexibility. The rain water collected is efficiently harvested.

SANITATION

Sewage Treatment Plants

The Institute has two well built sewage treatment plants. One commissioned as 150 KLD plant, which was revamped and the capacity was increased to 250 KLD in 2015. The menø hostel has a sewage treatment plant with a capacity of 250 KLD commissioned in 2014.

Napkin Burner

As the Institute comprises of a large women population, it has installed an Incinerator machine for the purpose of disposing sanitary napkins hygienically. With the focus on absolute hygiene, wet scrubber is attached at the outlet of burner fume where the fumes get scrubbed in water and get filtered to remove the harmful emissions.

Toilet

Clean and neat toilet which are properly tiled and fitted with modern equipments are provided in the campus, the hostel and in other departments. Water closets, ablution taps, urinals, wash basins, showers and drinking water tap are provided. Day to day cleaning of the toilet is ensured by outsourcing 118 cleaning staffs who attend to the cleaning round the clock. In every block is provided with adequate number of toilets for both male and female members of the campus. *{Non Residential Male : 3587 ; Female : 1624 ; Residential : Male : 1500 ; Female : 400}*. *Urinals are provided in the ratio of 1:23 and toilets are 1:28 within the Institute where in men's hostel is in the ratio of 1:10 and 1:6 and in ladies hostel, the ratio is 1:3.* To conserve water, sensors are used for automated flushing and automatic level controller are used for controlling overflow in over head tanks.

Toilet facilities are provided for differently abled persons taking into account their special needs. Eco friendly signages are provided for the purpose of hygiene and sanitation throughout the campus.

WASTE MANAGEMENT

The management of waste possess a great threat to the environment and to conserve the environment in all its pristinely. Effective waste management techniques are employed for the effective disposal of waste. A composting unit

and an organic waste converter are used and a separate SWM team (Solid Waste Management Team) is employed for this purpose.

Solid Waste Management System

To safely dispose the waste, the solid waste is segregated into organic Waste, recyclable waste and inert waste. Three different colour bins are separately provided for dry leaf & food waste, waste papers and cotton boxes and waste plastic and covers.

Garbage Incinerators

The waste collected is used for generating fly ash at the rate of 500 kg per day which is used as manure for gardening. It is also used as an alternate solution to fill land. The composting unit and organic waste converter converts waste into manure at the rate of 250 kgs per day.

Records

The Institute has also secured a proper Certificate for Water Quality under Water Act,1976. Five water treatment plants are provided at various places in the campus to treat the water before use and tested through a vendor periodically and certificate for such quality and purity of the water is obtained.

The Institute also secured a Certificate for Sanitation from the Deputy Director of Health Sciences, Kancheepuram District, the statutory body empowered to issue such Certificates.

. The Crescent University has to its great credit the Guinness Record for creating a Recycle symbol where 1726 students and staff clad in green T shirts and caps formed a human recycling logo measuring 45 x 75 ft to mark the World Water Day. This was done by breaking the record made by 750 people in

Turkey. The achievement has been recognized by Asian Book of World Records. This is a great achievement for the Institute.



AICTE National level

CLEAN & SMART CAMPUS AWARDS-2019
A CAMPUS FIRST STEP TOWARDS SUSTAINABILITY

CERTIFICATE
of Appreciation

Awarded to

**B S A CRESCENT INSTITUTE OF
SCIENCE AND TECHNOLOGY**
Tamil Nadu

**FOR THEIR SELECTION & ACTIVE PARTICIPATION
FOR CAMPUS VISIT**



Prof. Anil D. Sahasrabudhe
Chairman, AICTE

DATE : 03.12.2019



ALL INDIA COUNCIL FOR TECHNICAL
EDUCATION

Certificate of Appreciation

is awarded to

B S A Crescent Institute of Science and Technology,

Kanchipuram, Tamil Nadu

for their significant contribution in

“Jal Shakti Abhiyan”

initiative at All India Council for Technical Education

on 3rd December 2019



Prof. Anil D Sahasrabudhe
Chairman, AICTE



Ministry of Human Resource Development
Government of India

Swachh Campus Ranking 2019 of Higher Educational Institutions

The... **B.S. Abdur Rahman Institute of Science & Technology, Tamil Nadu**has been ranked
..... **Fifth**amongst the cleanest Higher Educational Institutions in the
Country in the category..... **Residential University - AICTE**and was
awarded on 3rd December, 2019 at Prajnan (Auditorium), AICTE, New Delhi


R. Subrahmanyam

Secretary, Department of Higher Education,
Ministry of Human Resource Development, Govt. of India

This is a Green Certificate



This award is in the form of a sapling planted by AICTE to increase green cover on Mother Earth in recognition of the institute's performance. We take responsibility for nurturing the plant which can be viewed by scanning the QR Code



Ramesh Pokhriyal 'Nishank'
Minister of Human Resource Development,
Govt of India



सत्यमेव जयते

Certificate



*This is to certify that **B.S. Abdur Rahman Crescent Institute of Science & Technology**, Chengalpattu, Tamil Nadu is now a **Recognized Social Entrepreneurship, Swachhta & Rural Engagement Cell (SES REC) Institution**. The Institution has successfully framed the SES REC Action Plan and constituted ten working groups for improving facilities in the Campus and the Community/Adopted Villages in the areas of **Sanitation & Hygiene, Waste Management, Water Management, Energy Conservation and Greenery** post COVID-19, along with the observation of three environment, entrepreneurship and community engagement related days to inculcate in faculty, students and community, the practices of **Mentoring, Social Responsibility, Swachhta and Care for Environment and Resources**.*

Date of Issue:
29/08/2020


Dr. W G Prasanna Kumar
Chairman

Mahatma Gandhi National Council of Rural Education
Department of Higher Education, Ministry of Education
Government of India

Certificate No.: MoE/SES REC/TN/CHE/63



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is awarded to

B S A Crescent Institute of Science and Technology,

Kanchipuram, Tamil Nadu

for their significant contribution in

“One Student One Tree”

initiative

at All India Council for Technical Education

on 3rd December, 2019

Prof. Anil D Sahasrabudhe
Chairman, AICTE