### **Raja Ramanna Centre for Advanced Technology**

Indore, Madhya Pradesh, India 452 013

## 'Swachhata-Hi-Seva'

(11 September 2019 to 02 October 2019)

## Action Taken Report

#### 1. **Objective**

The objective of the celebration of the '*Swachhta Hi Seva*' fortnight, as a part of the '*Swachh Bharat Mission*', was to take up sanitation initiatives, mobilise people and reinforce the mass movement for cleanliness to contribute to Mahatma Gandhi's dream of a Clean India on his 150<sup>th</sup> birth anniversary. In this regard, the DAE had forwarded a letter, D.O. Letter No. 2/2/S(DWS)/ 19 dated 31.08.2019, received from the Department of Drinking Water & Sanitation, Ministry of Jal Shakti, New Delhi, to take up programmes under the above mission.

In this report, various programs taken up by this centre have been briefly described here.

#### 2. Background

Raja Ramanna Centre for Advanced Technology is a unit of the Department of Atomic Energy, Government of India, (<u>www.rrcat.gov.in</u>). The campus encompasses technical area consisting of laboratories, workshops, and offices, as well as residential colony with housing for staff with amenities like school, sports facilities, shopping complex, gardens etc. The campus is spread over a 700 hectare site on the outskirts of Indore city, out of which 177 hectare area is demarcated for residential purpose.

Periodic cleaning campaigns are organized in the campus in which staff members, Atomic Energy Central School (AECS) students and teachers, CISF employees and colony residents take active part.

## 3. Execution of 'Swachhta Hi Seva' Action Plan

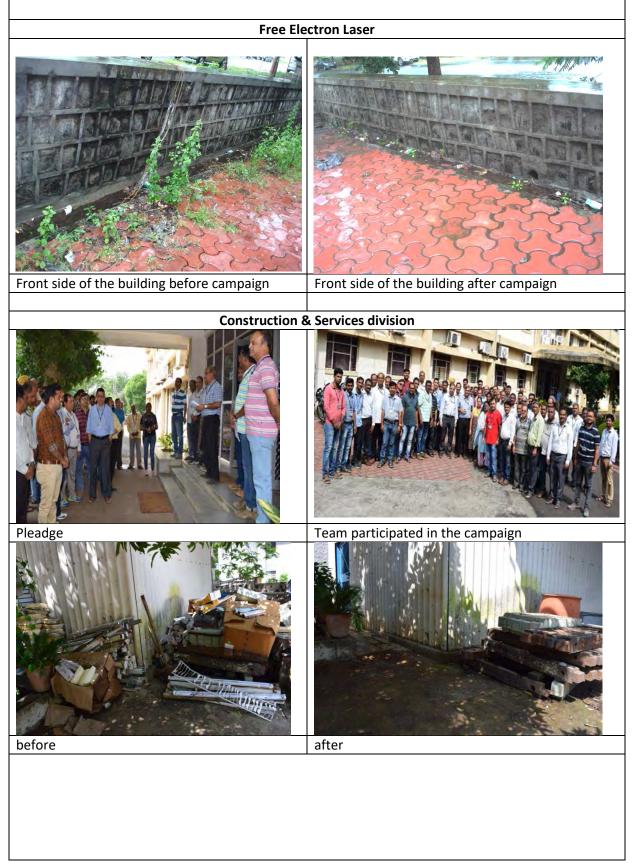
Category	Description	Result
Hands-on works	<i>Cleanliness drive in technical area:</i> Divisions / Sections conducted cleanliness drive inside and around their buildings.	All of the divisions / sections actively participated in the cleanliness campaign. Refer Annexure-A for the details.
Public awareness and Hands-on Works	<ul> <li>A poster painting competition was held in AECS, Indore, on the theme of 'Beating the Plastic Pollution'.</li> <li>A rally was held in RRCAT colony to spread awareness on 'Say No to Single Use Plastic' by AECS students.</li> </ul>	Refer Annexure-B for the details.
Public awareness	A street-play on cleanliness near welfare centre was organized in coordination with Indore Municipal Corporation.	Refer Annexure-C for the details.
Facility	Installation of dustbins with proper stickers to segregate plastic and other types of waste in the technical area.	Refer Annexure-D for the details.
Activity	Status report: Installation of facility for producing compost based on bacteria.	Refer Annexure-E for the details.
Report	A report on the consumption of biogas produced in-house.	Refer Annexure-F for the details.

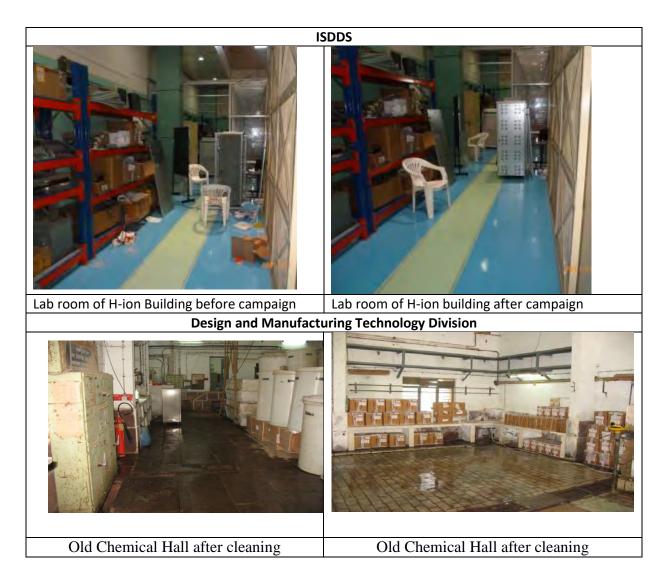
The following was executed during the fortnight:

Report prepared and compiled by

Advisory Committee for Clean and Green Campus

Swachhta Hi Seva Campaign (2019) was observed in all the offices of various Divisions of RRCAT and the photographs were taken before and after the campaign. Few photographs depicting the successful conduct of the event are indicated here under:



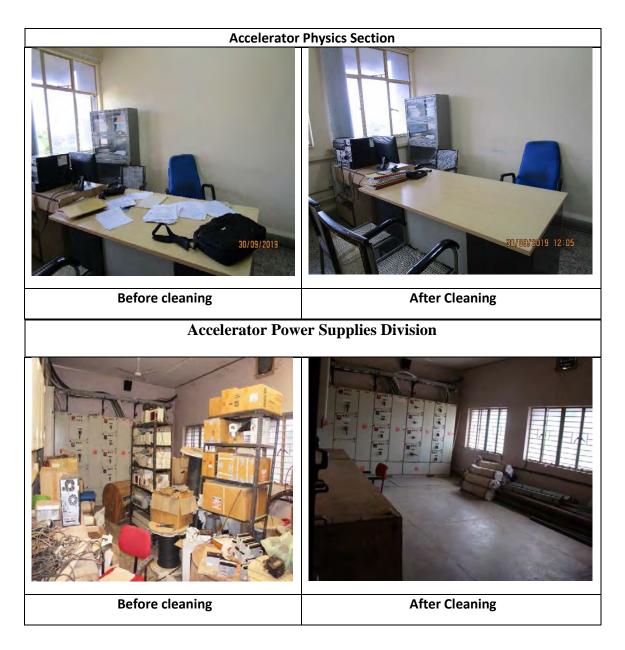












In addition to above, the Swachhta Hi Seva Campaign (2019) was observed in Human Resource & Development Section, Cryomodule Development & Cryo-engineering Application Section, Synchrotron Utilization Section, Beamlines in Indus-2, Ultra High Vacuum building etc.

### ATOMIC ENERGY CENTRAL SCHOOL, INDORE Swachchata Hi Seva Campaign

The following programmes in connection with "Swachhata Hi Seva" Campaign were conducted in Atomic Energy Central School, Indore with due gravity and purposefulness.

On 20<sup>th</sup> September 2019, as a part of Swachhta Hi Seva programme, a Door – to – door awareness campaign was organized at RRCAT residential areas. A rally was conducted to make the public aware of the harmful effects of single use plastic in which handmade paper/cloth carry bags were distributed to the shopkeepers in the nearby market and to the residents in the colony.





Swachhta Hi Seva 2019

On 02/10/2019: An awareness programme on cleanliness, hygiene and sanitation among the school students was organized in school campus in which all the students and the staff members participated.

To begin with Gandhiji's portrait was garlanded and Swachhata pledge was administered to all the students and staff members to inculcate cleaning habits among them.



Speeches were given by a student, teacher and principal on importance of cleanliness, hygiene and sanitation.



"Shramdaan" was organized in and around AECS Indore on the same day.



Swachhta Hi Seva 2019

On 12<sup>th</sup> October, a poster/ painting competition was conducted in school for the students on the topic "Swachhata Hi Seva". More than 100 students participated in the event.



### Annexure-C

# Street Play – 'Say No to Single Use Plastic'

















Swachhta Hi Seva 2019

#### Annexure-D

# Installation of Litter Bins in Technical area



# **1. Cleaning of water body:**

Cleaning of water body has been a regular practice by removing aqautic weeds, plastics and rubbish material floating to maintain aesthetic beauty and prevent euthrofication.During Swachhata Pakhwada cleaning operation in a centrally located water body (sukhniwas lake) was undertaken.

The photographic representation on activity carried out is placed below:



Before

During

After

# 2. Composting using Microbial consortium (Bacteria):

In addition to vermin composting technique, composting using Microbial consortium i.e. bacteria culture (Bacteria amongst Bacillus, Halobacillus, Staphylococcus) is under taken in Sector V area of RRCAT colony.

### Annexure-E

A shed of size 10M X6 Mt was errected to process Garden waste collected from RRCAT colony by collecting /stacking & treating with bacterial culture, an aerobic composting technique. It is proposed to generate about 25 MT of compost using bacteria culture to start with.

The photographs representing shed and composting material is highlighted below:



Shade(Size:10MX6M)



Processing of Garden waste

Bio gas Plant Data from Oct 2018 to Sept 2019		
Garbage (Wet waste) processed	140.00 MT-per Year	
Bio gas consumed	2300.00 Cum per year	
Manure collected	6.00 MT per year	