

# स्वच्छता पखवाड़ा रिपोर्ट Swachhta Pakhwada Report

16.05.2017- 31.05.2017

*एक कदम स्वच्छता की ओर*



**ICAR–Central Sheep & Wool Research Institute**  
Avikanagar, Rajasthan – 304501, INDIA



## Swachhta Pakhwada Report

### ICAR-Central Sheep & Wool Research Institute

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## **PREFACE**

Clean India Campaign is a new chapter in the history of ICAR-CSWRI Avikanagar that has received a great response from each and every member of the Avikanagar campus. As per the directions received from the council on 15.05.2017 regarding Swachhta Pakhwada for the period 16.05.2017 to 31.05.2017, our Institute has carried out several activities during the sanitation campaign. The programme was formally initiated on 16.05.2017 at the Auditorium with pledge of swacchhta followed by a lecture by eminent scientist Dr Jamila on cleanliness of environment and mind. During the pakhwada several activities were carried out in the institute for Clean India Swachhta Pakhwada Campaign. All the laboratories, administrative building, Divisions, sheep sheds, farm section, security, ladies club, colony premises were examined for cleanliness and importance of sanitation to keep the environment and surroundings healthy was realised.

The sanitation campaign is a great success that has inculcated a sense of safety and hygiene in each and every individual of the campus. Nearby villages, farmers and other society members were also sensitized and this has resulted in building up of new generation of soldiers for clean India campaign.

This campaign and efforts will continue in future for building of strong and healthy India.

**Director**  
**ICAR-CSWRI Avikanagar**



## 1. Swacchhta Shapath in Hindi

### स्वच्छता शपथ

महात्मा गांधी ने जिस भारत का सपना देखा था उसमें सिर्फ राजनैतिक आजादी ही नहीं थी, बल्कि एक स्वच्छ एवं विकसित देश की कल्पना भी थी।

महात्मा गांधी ने गुलामी की जंजीरों को तोड़कर माँ भारती को आज़ाद कराया।

अब हमारा कर्तव्य है कि गंदगी को दूर करके भारत माता की सेवा करें।

मैं शपथ लेता हूँ कि मैं स्वयं स्वच्छता के प्रति सजग रहूँगा और उसके लिए समय दूँगा।

हर वर्ष 100 घंटे यानी हर सप्ताह 2 घंटे श्रमदान करके स्वच्छता के इस संकल्प को चरितार्थ करूँगा।

मैं न गंदगी करूँगा न किसी और को करने दूँगा।

सबसे पहले मैं स्वयं से, मेरे परिवार से, मेरे मुहल्ले से, मेरे गांव से एवं मेरे कार्यस्थल से शुरुआत करूँगा।

मैं यह मानता हूँ कि दुनिया के जो भी देश स्वच्छ दिखते हैं उसका कारण यह है कि वहां के नागरिक गंदगी नहीं करते और न ही होने देते हैं।

इस विचार के साथ मैं गांव-गांव और गली-गली स्वच्छ भारत मिशन का प्रचार करूँगा।

मैं आज जो शपथ ले रहा हूँ, वह अन्य 100 व्यक्तियों से भी करवाऊँगा।

वे भी मेरी तरह स्वच्छता के लिए 100 घंटे दें, इसके लिए प्रयास करूँगा।

मुझे मालूम है कि स्वच्छता की तरफ बढ़ाया गया मेरा एक कदम पूरे भारत देश को स्वच्छ बनाने में मदद करेगा।

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## 2. About ICAR-Central Sheep and Wool Research Institute (CSWRI) Avikanagar

The ICAR-Central Sheep and Wool Research Institute is a premier Institute of Indian Council of Agricultural Research (ICAR) engaged in research and extension activities on sheep and rabbits. It was established in 1962 at Malpura in Rajasthan. Now campus is popular by the name of Avikanagar (meaning: the sheep city). The campus is spread over an area of 1591.20 hectare. It has three



Regional Research Centres in different climatic zones of the country to develop region specific technologies. North Temperate Regional Station (NTRS) was established in 1963 in temperate region at Garsa, Kullu in Himachal Pradesh. The Southern Regional Research Centre (SRRC) was established in 1965 in sub temperate region at Mannavanur in Tamil Nadu. Arid Region Campus (ARC) was established in 1974 at Bikaner in arid region of Rajasthan. The Institute and its sub-stations have been working for enhancing the productivity of sheep and rabbit by applying scientific methods and developing new technologies. Scientific breeding, feeding and health management practices were developed for improving the production traits of Malpura, Marwari, Magra and Chokla, Bharat merino, Gaddi and other native sheep. A prolific sheep 'AVISHAN' from crossing of Malpura, Garole and Patanwadi breeds has been developed for maximizing sheep production and profitability.

### 3. Circular received from ICAR



**IMPORTANT**  
**URGENT**

INDIAN COUNCIL OF AGRICULTURAL RESEARCH  
KRISHI BHAVAN, NEW DELHI

F.No. 21-46/2014-CDN

Dated the 15<sup>th</sup> May, 2017

#### **CIRCULAR**

It has been decided that the fortnight 16<sup>th</sup> May, 2017 – 31<sup>st</sup> May, 2017 will be celebrated as Swachhta Pakhwada in ICAR. The fortnight-long programme will involve taking Swachhta Pledge on 16<sup>th</sup> May followed by cleanliness drive/measures in the office.

A Swachhta Pledge shall be administered by D.G., ICAR for the officials/employees of ICAR Hqrs. in Committee Room No. I at Krishi Bhawan on 16<sup>th</sup> May, 2017 at 10.30 AM. Further, DDG(Agril. Extn.) and DDG (Engg.) shall administer the Swachhta Pledge at KAB-I and II respectively, on the same day at 10.30 AM.

The following activities may to be undertaken:

- i) Creating awareness to maintain cleanliness and preventive measures in our neighbourhood;
- ii) Weeding out of files, records not meant for archival storage;
- iii) Cleanliness drive in rooms, lavatories;
- iv) Use of eco-friendly technologies, lesser use of plastic etc.;
- v) Adopting energy efficient measures;

## 4. Action Plan for “Swachhta Pakhwada” at ICAR-CSWRI Avikanagar

भारतीय कृषि अनुसंधान परिषद्  
केन्द्रीय भेड एवं ऊन अनुसंधान संस्थान, अविकानगर,मालपुरा  
पशु पोषण विभाग

क्रमांक -AN/HDN/2011/

दिनांक 15.05.2017

### परिपत्र

माननीय प्रधानमंत्री, भारत सरकार के आह्वान पर भा0कृ0अनु0परिषद् के दिना निर्देशानुसार संस्थान के कार्यालय आदेशों का क्रमांक : GAC-21-46/2014-CDN Dated 11.05.2017(O.M. No. 11-5/2016-GA II Dated 03.05.2017) के अनुपालन में परिसर अधिक स्वच्छ बनाने हेतु दिनांक 16 मई से 31 मई, 2017 तक 'स्वच्छता पखवाडा' का आयोजन किया जाना निर्धारित किया गया है। संस्थान के वैज्ञानिकों, अधिकारियों, एवं कर्मचारियों से अनुरोध है कि स्वच्छता पखवाडे के आयोजन में अपना पूर्ण योगदान दे। सम्पूर्ण अभियान का नेतृत्व निर्देशक महोदय द्वारा किया जावेगा। कार्यक्रम की रूप रेखा निम्न प्रकार रहेगी-

क्र.सं.	समूह	कार्यस्थल	दिनांक/समय	आयोजन समन्वयक
1	संस्थान के समस्त वैज्ञानिक, अधिकारी, कर्मचारी एवं अनुबन्धित कर्मचारी	सभागार	दिनांक 16.05.2017 प्रातः 10.15 बजे से प्रातः 10.30 बजे तक	शपथ ग्रहण एवं मन की स्वच्छता के बारे में व्याख्यान समस्त स्टाफ
2	संस्थान के समस्त वैज्ञानिक, अधिकारी, कर्मचारी एवं अनुबन्धित कर्मचारी	एन0पी0बी0 भवन, मुख्य प्रशासनिक भवन एवं पुस्तकालय भवन के समस्त कार्यालय एवं आसपास का क्षेत्र	दिनांक 17.05.2017 प्रातः 9.00 बजे से प्रातः 10.00 बजे तक	ए.जी.बी.ए.के.एम.यु., ए.बी.टी.ए.एन.ए.पी. एवं बी.एवं प्रशासनिक भवन के प्रभारी अनुभाग एवं समस्त स्टाफ के साथ
3	महिला क्लब, अविकानगर एवं उद्यान अनुभाग के समस्त कर्मचारी एवं अनुबन्धित कर्मचारी	आवासीय परिसर टाईप-6, सामुदायिक भवन, राजकीय विद्यालय शॉपिंग काम्पलेक्स डिस्पेनसरी एवं खेल परिसर	दिनांक 18.05.2017 प्रातः 9.00 बजे से प्रातः 10.00 बजे तक	महिला क्लब अध्यक्ष एवं सदस्य महिला क्लब प्रभारी स्वच्छता एवं उद्यान अनुभाग एवं समस्त स्टाफ
4	सुरक्षा अनुभाग एवं उद्यान अनुभाग के समस्त अधिकारी, कर्मचारी एवं अनुबन्धित कर्मचारी	संस्थान के मुख्य द्वार से मुख्य प्रशासनिक भवन के द्वार तक	दिनांक 19.05.2017 प्रातः 9.00 बजे से प्रातः 10.00 बजे तक	प्रभारी सुरक्षा अनुभाग एवं प्रभारी उद्यान अनुभाग मय स्टाफ
5	संस्थान के समस्त वैज्ञानिक, अधिकारी, कर्मचारी एवं अनुबन्धित कर्मचारी एवं अन्य समस्त परिसर वासी	स्वच्छता पदयात्रा (रैली) अतिथि गृह चौराहे से आवासीय कॉलोनी होते हुए वापिस अतिथि गृह चौराहे तक	दिनांक 20.05.2017 प्रातः 09.00 बजे से प्रातः 10.00 बजे तक	निर्देशक एवं समस्त स्टाफ के साथ
6	भेड स्वास्थ्य विभाग, मांस अनुभाग, टी.एस.पी. ईकाई, के समस्त वैज्ञानिक, अधिकारी एवं अनुबन्धित कर्मचारी	टी.एस.पी. सेल, पशु स्वास्थ्य विभाग, मांस प्रौद्योगिकी अनुभाग, आई.टी.एम.यू.एवं से कच्चा बन्धा परिसर तक	दिनांक 22.05.2017 प्रातः 09.00 बजे से प्रातः 10.00 बजे तक	प्रभारी भेड स्वास्थ्य विभाग, प्रभारी मांस अनुभाग, प्रभारी टीएसपी ईकाई, के समस्त वैज्ञानिक, अधिकारी एवं अनुबन्धित कर्मचारियों सहित
7	फार्म अनुभाग एवं वाहन व कार्यालया अनुभाग के समस्त वैज्ञानिक, पशु पोषण एवं पशु देखिकी प्रयोगशाला के समस्त अधिकारी एवं अनुबन्धित कर्मचारी	समस्त कच्चा बन्धा परिसर के कार्यलयों	दिनांक 23.05.2017 प्रातः 09.00 बजे से प्रातः 10.00 बजे तक	समस्त कच्चा बन्धा परिसर के प्रभारी अनुभागों एवं स्वच्छता अनुभाग के समस्त स्टाफ
8	पीजी हॉस्टल, अतिथि गृह, विद्युत ईकाई, सभागार एवं प्रदर्शनी भवन	पी.जी. हॉस्टल, संस्थान सभागार, बिजली ईकाई के आस-पास का परिसर	दिनांक 24.05.2017 प्रातः 09.00 बजे से प्रातः 10.00 बजे तक	प्रभारी अनुभागों एवं स्वच्छता अनुभाग के समस्त स्टाफ
9	वस्त्र निर्माण एवं वस्त्र रसायन विभाग, मानव संसाधन अनुभाग, पोस्ट ऑफिस,	वस्त्र निर्माण एवं वस्त्र रसायन विभाग के	दिनांक 25.05.2017 प्रातः 09.00 बजे से	प्रभारी अनुभागों एवं स्वच्छता अनुभाग के

	केन्टीन के समस्त वैज्ञानिक, अधिकारी, कर्मचारी एवं अनुबन्ध कर्मचारी	आस-पास का परिसर	प्रातः 10.00 बजे तक	समस्त स्टाफ
10	टी.ओ.टी. एवं फार्म अनुभाग के प्रभारी एवं समस्त स्टाफ	टी.ओ.टी. गांव इन्दौली एवं किसानों सहित	दिनांक 26.05.2017 प्रातः 09.00 बजे से प्रातः 10.00 बजे तक	निर्देशक एवं समस्त स्टाफ के साथ
11	आवासीय परिसर टाईप-1, टाईप-2 सिंगल/डबल स्टोरी, टाईप-3 सिंगल/डबल स्टोरी के समस्त निवासी, उद्यान अनुभाग के समस्त अधिकारी, कर्मचारी एवं अनुबन्ध कर्मचारी	आवासीय परिसर टाईप-1, टाईप-2 डबल स्टोरी, टाईप-3 सिंगल/डबल स्टोरी,	दिनांक 27.05.2017 प्रातः 09.00 बजे से प्रातः 10.00 बजे तक	आवासीय परिसर के निवासी एवं उद्यान अनुभाग के समस्त अधिकारी, कर्मचारी एवं अनुबन्ध कर्मचारी
12	प्रभारी मानव चिकित्सालय एवं स्वच्छता अनुभाग के समस्त स्टाफ के साथ	गांव - चांदसेन	दिनांक 29.05.2017 प्रातः 09.00 बजे से प्रातः 10.00 बजे तक	निर्देशक एवं समस्त स्टाफ के साथ
13	आवासीय परिसर टाईप-4 सिंगल/डबल एवं टाईप-5 के समस्त निवासी, उद्यान अनुभाग के समस्त अधिकारी, कर्मचारी एवं अनुबन्ध कर्मचारी	आवासीय परिसर टाईप-4 सिंगल/डबल स्टोरी एवं टाईप-5	दिनांक 30.05.2017 प्रातः 09.00 बजे से प्रातः 10.00 बजे तक	आवासीय परिसर के निवासी एवं उद्यान अनुभाग के समस्त अधिकारी, कर्मचारी एवं अनुबन्ध कर्मचारी
14	व्याख्यान सभा-ए.जी.बी.पी. स्वास्थ्य, टी.एम.टी.सी., एल.एफ.एस., मानव चिकित्सक एवं इत्यादि	सभागार	दिनांक 30.05.2017 प्रातः 10.30 बजे से प्रातः 11.30 बजे	निर्देशक एवं समस्त स्टाफ के साथ
15	कार्यक्रम का समापन समारोह	सभागार	दिनांक 31.05.2017 प्रातः 10.30 बजे से प्रातः 11.30 बजे तक	निर्देशक एवं समस्त स्टाफ के साथ

नोट:-1. स्वच्छता एवं उद्यान अनुभाग के समस्त अधिकारी, कर्मचारी व अनुबन्धित कर्मचारी दिनांक 16.05.2017 से 31.05.17 तक आयोजित कार्यक्रम में सभी जगह अपना पूर्ण योगदान देंगे।

2. प्रभारी, पी.आर. सेल डा. आर. सी. शर्मा एवं प्रभारी हिन्दी एवं ए.के.एम.यु. प्रकोष्ठ श्री एम. एल. गुप्ता एवं श्री एम. एल. जांगिड कार्यक्रम का प्रचार-प्रसार करने का कार्य देखेंगे।

उपरोक्त कार्यक्रम निर्देशक महोदय के अनुमोदन से जारी किया गया है।

डॉ. ए. साहु  
कार्यक्रम समन्वयक

वितरण:-

1. नोटिस बोर्ड
2. विभाग/अनुभाग



## 5. Objectives of the “Swachhata Bharat Abhiyan”

- ❖ Bring about an improvement in the general quality of life in the rural areas, by promoting cleanliness, hygiene and eliminating open defecation.
- ❖ Accelerate sanitation coverage in rural areas to achieve the vision of Swachh Bharat by 2nd October 2019.
- ❖ Motivate Communities and Panchayati Raj Institutions to adopt sustainable sanitation practices and facilities through awareness creation and health education.
- ❖ Encourage cost effective and appropriate technologies for ecologically safe and sustainable sanitation.
- ❖ Develop wherever required, Community managed sanitation systems focusing on scientific Solid & Liquid Waste Management systems for overall cleanliness in the rural areas.



**Director with the employees on a rally to spread the message of “Swachhata”**

## 6. “Swachhata Pakhwada” inaugurated at CSWRI Avikanagar

Responding to the Nation’s call by the Prime Minister Narendra Modi, CSWRI Avikanagar has taken the lead in launching the “*Swachhata Abhiyan Pakhwada*” in the campus from 16<sup>th</sup> May to 31<sup>st</sup> May 2017. The mission is being launched on the concept of Mahatma Gandhi’s vision, “Sanitation is more important than independence”

The Abhiyan was formally initiated by Acting Director of the Institute on 16.05.2017 at Institute auditorium with the oath of cleanliness by all the employees of the institute. It was envisaged that such activities will help to make the environment clean and keep us healthy. An appeal has been made to keep the office and colony premises clean to avoid incidences of diseases. The committee constituted has been given a responsibility to start a campaign for cleanliness across all the places in institute such as Dispensary, Sectors, School, Colony, Offices and Labs, etc. It was also felt necessary to start the awareness campaign for villages adopted by the institute or in vicinity of the institute. This will help in spreading the importance of cleanliness.

A special lecture was organised on the topic “Man ki swachhta”. CSWRI employees and the housemates attended a theme lecture by Dr B.K Jamila on “Stress management” covering “Man Ki Swachhata” and balancing anger and emotions in day to day life.









## 7. Activities on 17.05.2017

Committee constituted by the Director visited different sections and divisions on various occasions and requested all the section in charges and head of the divisions to practice cleanliness at the office and working premises on regular basis. On 17<sup>th</sup> May, employees gathered near Main office building and participated in Swachhata Karyakram under the banner of Swachhata Pakhwara. The area in and around the Main office, AGB, ABT, Library, NPB buildings was cleaned. The rain pipe lines connecting to the roofs are also covered in this Swachhata Karyakram.





## 8. Activities on 18.05.2017

In Swachhata Karyakram the areas covered on 18<sup>th</sup> May were Institute main gate, Sale counter, security office area, ATIC Centre, Horticulture section.

Some of the unwanted plants were uprooted, garbage material was transported for composting that will enhance the fertility of the soil through organic composting.





## 9. Activities on 19.05.2017

In Swachhata Karyakram the areas covered on 19<sup>th</sup> May were sector number 12 that included sheep sector as well as agricultural sector. The responsibility was equally shared and executed by the sector staff of each sector. The staff surveyed the areas in and around the sectors and prioritized the required cleaning activities in consultation with scientist incharges. The sector staff along with other contractual persons working at sectors have toiled a lot to make the sector area clean. It was decided to carry out the following activities such as cleaning the area in side and around the office, cleaning and pruning of trees, cleaning the grass in and around the sheep shed, cleaning of sheep sheds and store room. Waste and useless items found in the office were identified and removed. Files and registers were arranged properly in the racks. Fodder trees planted around the office premises were properly pruned, cleaned, watered and watering channel was provided. Area was completely cleaned. Sheep sheds, open pens and feed store room were properly cleaned. Neem and other trees which are planted in front of the sector were cleaned, pruned and tree guards were properly placed for protection. Weeds were removed and area was properly cleaned. The tree leaves that fall regularly in the sector premises were cleaned. It was decided to practice regular cleaning of sheep sheds, office and store rooms, areas surrounding the sector and abhiyan will continue.





**Composting tree leaves, waste wool and sheep dropping for preparing 'AVIKHAD'**



**Swachhata campaign at Sheep sector 12**





## 10. Activities on 20.05.2017

In Swachhata Karyakram the areas covered were Institute main crossing, guest house, CSWRI residence colony, dispensary, mini market and children park.

At above mention route “Cleanliness Walkway Rally” (Swachchhata Padyatra Rally) was carried out and organic waste was collected and transported for making it compost. The rally was accompanied by Ladies Club of the institute. The slogan of the rally was – “Yahi hamara naara hai !! Swchchha Sansthan Hamara Hai !!”



**Ladies club of Avikanagar Campus  
participated in Swachhata Karyakram**





**“Swachhata Rally” inside the Residential Colony area**



## 11. Activities on 22.05.2017

In Swachhata Karyakram the areas covered were Animal Health division, livestock products technology section, TSP unit, ITMU, Kachha Bandha and adjoining areas. All the scientific, technical and supporting staff devoted their precious time for cleanliness activities of the surrounding areas, office building, laboratories and desks.

- In Swachhata Karyakram the areas covered TSP cell, animal health division, LPT section, ITMU and roads side up to Kachha Bandha.
- At TSP cell were and animal shed were cleaned properly
- Animal health division was cleaned and sweeping was done from inside and out and PM house was washed off.
- ITMU was cleaned and sweeping
- LPT section was cleaned and slaughter area, lawn etc was cleaned
- Road side of AHD, ITMU, LPT section was swept and garbage was thrown in the dustbin at right place.



**Cleanliness drive at Animal Health Division**



**Cleanliness drive at Livestock Products Section**



## 12. Activities on 23.05.2017

On 23<sup>rd</sup> may 2017, under the Swachhata Karyakram the areas covered was Farm Section, Kachha Bandha Laboratories, Animal Sheds, FT unit, Workshop etc. The area was cleaned properly and wastes were disposed off. Drinking water 'Kheli' for animals was cleaned. In the FT unit, the machines were cleaned and feed materials organized. It was envisaged that the staff under the abhiyan is sensitized and the cleanliness activities are continued without break. Importance of the cleanliness was made understood to the staff involved in and the pledge to continue the work was taken.

### **Maintaining cleanliness at Feed Technology Unit**









### 13. Activities on 24.05.2017

- On 24<sup>th</sup> may 2017, under the Swachhata Karyakram the areas covered was PG Hostel, Auditorium, IEU Unit, Guest House etc.
- The area was cleaned properly and wastes disposed in a suitable way. Three different types of Dust-bins for disposal of food/Kitchen waste, degradable and undegradable materials were demonstrated to workers at PG hostel for proper disposal of the kitchen waste.
- The kitchen waste can also serve as the biodegradable waste for further use. The importance of cleanliness while cooking and serving food was also made understood the employees.
- Old and open wirings, electrical waste and other hazardous waste material was shown to be dangerous to the working staff and their proper disposal was warranted.







**Demonstrating different collection waste bin to workers at PG Hostel**



**Cleaning at Guest House**



## 14. Activities on 25.05.2017

In Swachhata Karyakram, CSWRI organized an “Awareness Programme” in the nearby village Chandsen. Villagers including ladies participated in great numbers. Meeting was organized in the Panchayat Bhawan and importance of “Swachhata” in day-to-day life was explained by different personnel including Doctor, Director and Sarpanch.

The effort by the Sarpanch to make Chandsen OFD village was greatly appreciated. Several issues regarding further needful like water retention, waste disposal on joint basis with village and Institute were discussed and a plan for the purpose was developed.

A rally was arranged from the Panchayat Bhawan to centre of village with Swachhata Slogans to make all the people of village aware of this event.

Some of the area in the village were also cleaned and villagers are asked to dispose the waste properly. Health workers along with other ladies, old and young people participated and agreed on the issues and promised to keep the village clean.

Cleanliness in the home, outside home, personal hygiene, sanitation importance in children, women and others were focussed. It was a great success in terms of sensitization of the people in the village for keeping the community clean.

### “Awareness Programme” in the nearby village, Chandsen







**Meeting with the villagers and Sarpanch and rally in Chandsen to make people aware about cleanliness**



## 15. Activities on 26.05.2017

In Swachhata Karyakram, under Swachhata Bharat Pakhawada, CSWRI organized an “Awareness and Cleaning Programme” at Textile Manufacturing and Textile Chemistry Division. The textile machines and adjoining area was cleaned and made dust free. Nearby area of TMTC Division i.e. Post office, HRD Section and Staff Canteen area were also cleaned. Organic waste was collected and disposed in compost pit.

Wool dust and related waste sometimes create a nuisance if not disposed properly. A great effort in this direction for wool waste and its use in making the wool manure is being undertaken by the institute. The importance of such activities was envisaged and staff was made aware of such activities and efforts in this direction.



## 16. Activities on 27.05.2017

In Swachhata Karyakram, under Swachhata Bharat Pakhawada, CSWRI organized a “Residential colony Cleaning Programme” in the morning hours. Type IV single and double storey, Type III single storey area was covered where shrubs and garbage were removed, asymmetric branches of trees were lopped and organic waste was collected and disposed in compost pit.

All the family members and the community residents were told about the importance of the cleanliness. The impact of dumping waste their bad effects in terms of breeding grounds for mosquitoes, spread of dreaded diseases and other harmful effects were told to the residents. All the community members participated in this activity and made this programme a great success.





## 17. Activities on 28.05.2017

In Swachhata Bharat Pakhawada, CSWRI organized “Residential colony Cleaning Programme” in the morning hours.

Shrubs and garbage were removed, asymmetric branches of trees were lopped in and around Type II Single storey area. All the organic wastes were collected and disposed in compost pit. The roof top of colony quarters were also cleaned of leaf materials and other wastes to get rid of water logging and roof and wall seepage problems in the rainy-season.





## 18. Activities on 29.05.2017

In continuation with the earlier activities in the residential area “Residential colony Cleaning Programme” was continued again due to its vastness. The area in and around Type II & Type III double storey were cleaned of shrubs and garbages.

Asymmetric branches of trees were lopped to prevent electric supply problems as they usually hinder in the normally plotted routes of electric supply.

The roof top of TMTC were also cleaned of leaf materials and other wastes to get rid of water logging and roof and wall seepage problems in the rainy-season.

All the waste materials and lopped tree branches were collected and disposed in compost pit. This is important as the waste is not burnt and it is further used to improve the soil fertility of the campus and thus gain more production.

### **Cleaning the residential colony area**





## 19. Activities on 30.05.2017

In continuation with the earlier activities in the residential area “Residential colony Cleaning Programme” was continued in the area adjoining Type 5 quarters. The area were cleaned and the garbage materials were disposed properly.

The staircase area of the residential quarters and the roofs were cleaned. The water tanks were checked and those were having dirt etc. cleaned.

At sector 13, the Sheep were washed and the importance of animal cleaning was also made understood to the staff and the workers associated with the work. All the waste materials and lopped tree branches were collected and disposed in compost pit.





## 20. Activities carried out by ARC Bikaner

In continuation of Swachhta Pakhwara a cleaning programme was organized at Magra Sector on 19.05.2017. All the staff members of ARC, Bikaner collectively participated in cleaning programme where cleaning of was done in adjoining areas of Magra sector.

As per day to day scheduled activities under Swachhta Pakhwara today on 25.05.2017 it was scheduled for utilization of farm waste for making compost. Litter sweepings of Neem tree was utilized for making compost. For this nursery trenches at ICAR-CSWRI, ARC, Bikaner was utilized. Collected sweepings were spread in the trench which was followed by a layer of sheep manure which will act as starter for initiation of composting. Then again a layer of sweepings were spread over that followed by sprinkling of water over the spread layers

On 26.05.2017 a cleaning programme was arranged for office building and laboratories. All the staff members were instructed to clean their respective place of sitting. In-charge of concerned laboratories was also instructed to ensure the cleaning at their respective laboratories.



**Cleaning and relocating the debris**

## **20.1 Swachhta Awareness Campaign in Kotda, an adopted village by ICAR-CSWRI, ARC, Bikaner on 20.05.2017**

Swachhta Pakhwara celebration is going on as per instructions of Ministry of Agriculture from 16<sup>th</sup> to 31<sup>st</sup> May 2017. ICAR-CSWRI, ARC, Bikaner has also scheduled its day to day activity which is being carried out under Swachhta Pakhwara celebration. As per scheduled activity, team of scientists and other officers visited Kotda village which is adopted under NWP Magra Field Unit. The cleanliness awareness programme was organized at Kotda in which group of 20 villagers including sheep farmers as well as 50 school going children's participated. The programme started with an opening remark from Dr. Nirjala Saini, Senior Scientist who delivered talk on importance of cleanliness in the life of human being and why it is necessary to maintain cleanliness. She interacted with the school going children and asked the students to maintain cleanliness at home as well as in school and they should consider this as their primary duty. She also emphasized on the importance of washing hands before having meals and told that various worm infections and other associated disease can be prevented if care is taken off. She also asked children's to keep themselves clean and help to maintain the surrounding clean by not letting the others pollute the surroundings. The awareness session continued with the talk of Mr. Ghous Ali, Scientist who mentioned about the Swachh Bharat Mission He described about the Pakhwara celebration and the purpose of visit to their village is to make them aware about Swacchta Abhiyan and seek their contribution in making India clean. He stressed that everybody should participate in making India clean and it should start with individual level. He talked about the waste management and gave a brief idea how they can classify their waste at farm as well as home. He also suggested the ways to dispose-off the waste and insisted on proper disposal of waste at proper place by maintaining appropriate distance from the place of their living. He also discussed about the conversion of farm waste as well as kitchen waste into useful compost. He suggested that the recyclable waste such as plastic should not be burnt rather it should be collected and sold so that it can be recycled as burning will pollute the atmosphere. The session of awareness continued with the talk of Mr. Shashank Jain, AAO. He correlated the cleanliness with spirituality and clean thoughts. He stated the importance of keeping the environment clean emphasized on the fact that what you give to nature ultimately it will return it back to you the way you have given it. So keep the environment clean and be healthy. The awareness session ending remark came from Kamlakar Shankar Gurav, Technical Officer in the form of maintaining cleanliness in sheep and the precautions the sheep farmers should take while rearing sheep.





**Interaction with villagers and spreading awareness**



**Best from Waste**



## **20.2 Swachh Bharat awareness campaign report at ICAR-CSWRI, ARC, Bikaner adopted village Goleri**

On the Swachh Bharat Abhiyan awareness campaign was organized at village Goleri adopted under ICAR-CSWRI, ARC, Bikaner. The awareness campaign was attended by around 45 school going children as well as 15-20 villagers. The programme started with talk by Mr. Ghous Ali, Scientist who briefed about the purpose of visit of the officials to their village. He told the villagers to give their individual contribution in Swachh Bharat Abhiyan and come on a common platform with their consensus so that they can jointly contribute in making their village clean under clean India. He also told about the waste management and asked them to reduce the usage of non-recyclable waste such as plastic. He also talked briefly about composting technique. The session was followed with a talk by Dr. Ashish Chopra, Scientist who interacted with primary school students and asked whether they have listened about the Swachh Bharat Abhiyan. All the officials were pleased to know that most of the children's knew about it and more surprisingly they were able to answer also that this is an initiative from our honorable Prime Minister Narendra Modi Ji. His interaction continued with students about their cleanliness at home and school. He also inquired from the children's that how many of them don't have toilet at their home. Children have actively responded to various questions posed by Dr. Ashish Chopra, related to cleanliness. The awareness session concluded with the talk of Dr. H. K. Narula, Principal Scientist. He interacted with the villagers and they kept their problem. So he asked them to jointly approach panchayat officials and seek their help in cleanliness of their village. He also motivated them apart from the government help they themselves have to contribute for this cause from their heart which is more important than government help. He also interacted with children's. He finally had a detailed discussed with the sheep rearing farmers about the general cleanliness in sheep rearing, health of the animals about the vaccination programme etc. He ended the session with feedback about Swachhta Abhiyan from villagers and school children.



**Spreading awareness**





### **20.3 A valedictory function on 31st May 2017 at end of Swachhta Pakhwara at ICAR-CSWRI, ARC, Bikaner**

As per the direction of Ministry of Agriculture and Farmers welfare all the ICAR institutes were instructed to organize Swachhta Pakhwara from 16-31<sup>st</sup> May 2017. ICAR-CSWRI, ARC, Bikaner has organized Swachhta Pakhwara for which day to day activity was scheduled everyday and the reports have been sent to the headquarter for the activities undertaken and photographs of the same have also been sent along with report. A valedictory programme was organized at the end of Swachhta Pakhwara. Dr. Sanjay Kochar, Professor and Head of Sardar Patel Medical college, Bikaner was invited to give a talk on “ Swachhta and Swasth Jeevan Shaili”. Valedictory programme started with welcome speech by Mr. Ghous Ali, Nodal officer Swachh Bharat Abhiyan, ARC, Bikaner. He briefed about the Swachh Bharat Abhiyan and the goals of Swachh Bharat Abhiyan. He also told that the individuals should attach this Swachh Bharat Abhiyan with patriotism. By doing so they will be able to dedicate themselves wholeheartedly and participate actively. He then invited Dr. A. K. Patel, Head, ARC, Bikaner to give his views about Swachh Bharat Abhiyan and the activities undertaken under this programme at the institute. Dr. A. K. Patel briefed about the activities taken at the institute. He also described about the waste management and the role of individuals in waste management. He also told about the mental peace and its correlation with the Swachhta. He concluded his words by saying that the programme is going on a right track and any suggestion for improvement is welcomed. Then the invited guest for the lecture was called upon to share his ideas on the subject. He lucidly described about the common diseases, its outbreak and the preventive measures to be taken. He also described about the cleanliness and the care every individual should take care off in his day to day life. His talk followed by a question answer session where staff members of ARC, interacted with him about the diseases and the solution and preventive measures for that. After the discussion was over Dr. A.K. Patel, Head of the institute asked Dr. Kochar to explain briefly the physiological changes happening inside the body of humans during happiness and stress condition and he also asked how stress can be minimized. Dr. Kochar in his very simple words explained about the hormones and the enzymes which are responsible for stress and happiness. During this he explained about the role of Acetylcholine, neurotransmitters, ssRNS, Serotonin and various other things and their correlation. He explained that the changes in their concentration and their release affects these behavioral and change in mood of human being. This was followed by suggestions from the staff of ARC, regarding Swachh Bharat Abhiyan. Some of the appreciable suggestion came for effectively enforcing the Swachh Bharat



Abhiyan are the waste collected should be classified as recyclable and non recyclable. Putting dust bin in the institute at locations wherever necessary so that disposal of waste will be easy. There was also suggestion to purchase trolley dustbin to carry the waste collected during the Swachhta Abhiyan. The programme ended with the vote of thanks by Mr. Ghous Ali. The invited guest also visited the A.I Lab of the institute after the programme was over.



**Meeting with staffs and discussing importance of 'Swachhata' in daily life**





## 21. Activities carried out by NTRS, Garsa

Under the swaccha Bharat campaign, the NTRS Garsa also participated actively and all the campus was involved in keeping the spirits of the pakhwara high.

A lot of activities in terms of cleaning of main gate, bridge, library, buildings, laboratories, animal sheds, residential quarters, etc. were cleaned properly.

The meetings were conducted and the importance of the cleanliness was spread among all.





## 22. Activities carried out by SRRC, Mannavanur

SRRC, Mannavanur undertake Swaccha Bharat campaign with an oath by all the employees. The staffs participated actively and involved in keeping the spirits of the pakhwara high.

A lot of activities in terms of i) Clearing off wheat stovers from the field and demonstrated compost making to local farmers, employees and inhabitants of SRRC, Mannavanur ii) cleaning of buildings, laboratories, animal sheds, residential quarters, etc. iii) Deliberation to all employees on “Swachhata’ to all employees



### **23. Campaign completion on 31.05.2017**

On the 31.05.2017, officially the campaign came to an end, however it was a great success as even on the last day of the Pakhwara, institute visited the adopted village Indoli and organised the cleanliness campaign activities there. At the Atal Seva Kendra in the Indoli village all the staff of Avikanagar along with the villagers headed by the Sarpanch gathered and a lot of activities were carried out.

A swachhta pledge was taken together where every villager and institute staff participated. The rally was organised where placards with slogans of cleanliness and its importance were visible. The villagers were motivated to keep the hygiene not only at home but also outside, on the shops, road sides, etc. Importance of cleanliness for children, women and adults and also for animals were discussed and everyone was motivated.

The programme officially completed on the 31.05.2017 at 5.00 pm, where a formal address by the committee and the Director of the institute was given to the gathering that was constituted of institute staff and also staff from the outside institute. Family of Mr Ram Khiladi Meena (Technical Staff) was honoured for their efforts to keep the cleanest residential quarter of the campus during the drive.

*It was felt that the efforts made towards this movement will continue to spread the awareness of the cleanliness in future.*





**Rally in village 'Indoli' and interaction with villagers**







**Rally in village 'Indoli' and interaction with villagers**





**Recognizing one of the employee for maintaining cleanliness in and around his quarter and the colony**



## 24. “SWACHHTA ABHIYAN” REPORT (2014 till April, 2017)

### Swachhta Abhiyan initiated at CSWRI Avikanagar

Responding to the Nation’s call by the Prime Minister Narendra Modi, CSWRI Avikanagar has taken the lead in launching the ‘*Swachhata Abhiyan week*’ in the campus from 25th September to 2nd October, 2014. The mission is being launched on the concept of Mahatma Gandhi’s vision, “Sanitation is more important than independence”

The Abhiyan was formally initiated by Director of the Institute, Dr. S. M. K. Naqvi on 25.09.2014 at 8.30 am at the Goat Unit. Dr. A. K. Patel, In-Charge ARC Bikaner was also present for the function. Dr. Naqvi said that this *abhiyan* shall continue forever even after we celebrate the week. Such activities help to make the environment clean and keep us healthy. Director constituted a committee to conduct and co-



ordinate the programme of cleanliness for this week under the chairmanship of Dr. Arun Kumar, Head AG&B Division. An appeal has been made to keep the office and colony premises clean to avoid incidences of diseases. The committee constituted has been given a responsibility to start a campaign for cleanliness across all the places in institute such as Dispensary, Sectors, School, Colony, Offices and Labs, etc. It was also felt necessary to start the awareness campaign for students as well as adults so that importance of cleanliness is understood in relation to occurrence of diseases and mental and physical health. The formal function of inauguration ended with cleanliness drive at Goat Unit by Director, Head of the Divisions, In-Charges and other staff. After the cleanliness drive, tree plantation programme was also organised at the same venue.



## Awareness campaign by the Committee

Committee constituted by the Director visited different sections and divisions on various occasions and requested all the section in charges and head of the divisions to practice cleanliness at the office and working premises on regular basis. All the concerned were also told that the committee will revisit the sections regularly to assess cleanliness activities in the institute.









## Swachhata Abhiyan at Sheep Sector 13

Scientist incharge and Sector incharge, surveyed the areas in and around the sector and prioritized the required cleaning. It was decided to carry out the following activities such as cleaning the area in side and around the office, cleaning and pruning of trees, cleaning the grass around the water channel, cleaning of sheep sheds and store room. Waste and useless items found in the office were identified and removed. Files and registers were arranged properly in the racks.



Files and registers were arranged properly in the racks. Fodder trees planted around the office premises were properly pruned, cleaned, watered and watering channel was



provided. Area was completely cleaned. Sheep sheds, open pens and feed store room were properly cleaning. Neem trees which are planted in front of the sector were cleaned, pruned and tree guard was properly placed for protection.

Area near the main water channel which is regularly used for watering sheep were covered with weeds.



## Swachhata Abhiyan in the Central School campus

The Sanitation campaign was carried out at Central school in the Avikanagar campus. On 27.09.2014 Director visited Central School along with the committee and other distinguished members. The cleanliness work was actively undertaken by the School students, teachers and other staff. Waste and useless items found in the area were identified and removed. Area was completely cleaned. Grasses, weeds were removed and area was properly cleaned. The tree leaves that fall regularly in the premises were cleaned. It was decided to practice regular cleaning of area. Awareness was created among the staff, students and others about the cleanliness and its importance in practicing healthy life.





## Swachhata Abhiyan at Ladies club

The “Swachhata Abhiyan” was further spread to the ladies club of CSWRI Avikanagar Mrs. Naqvi, Mrs. Sahoo, along with other members of the ladies club initiated the campaign that was duly supported by Director Dr Naqvi and all other dignitaries of the institute. The members of ladies club surveyed the areas in and around the samaj sadan, Human hospital, Shopping complex and quarters and prioritized the required cleaning activities in consultation with Director and co-ordinator. Mr. Shyam Singh (I/C Farm section), Mr S. R. Meena (I/C Horticulture) supported the activity with due machinery. All the persons including members of ladies club, and other staff of institute helped in cleaning the premises. Waste and useless items found in the area were identified and removed. Area was completely cleaned. Grasses, weeds were removed and area was properly cleaned. The tree leaves that fall regularly in the premises were cleaned. It was decided to practice regular cleaning of area and abhiyan will continue. Awareness was created among the members and staff about the cleanliness and its importance in practicing sound life.



## Swachhata Abhiyan at Sheep Sector 12 and Sheep Sector 18

In continuation with the ongoing activities at the institute the “Swachhata Abhiyan” was started at Sheep Sector No 12 and 18. The responsibility was equally shared and executed by the sector staff of each sector. The staff surveyed the areas in and around the sectors and prioritized the required cleaning activities in consultation with scientist incharges. The sector staff along with other contractual



persons working at sectors have toiled a lot to make the sector area clean. It was decided to carry out the following activities such as cleaning the area in side and around the office, cleaning and pruning of trees, cleaning the grass in and around the sheep shed, cleaning of sheep sheds and store room. Waste and useless items found in the office were identified and removed. Files and registers were arranged properly in the racks. Fodder trees planted around the office premises were properly pruned, cleaned, watered and watering channel was provided. Area was completely cleaned. Sheep sheds, open pens and feed store room were properly cleaned. Neem and other trees which are planted in front of the sector were cleaned, pruned and tree guards were properly placed for protection. Weeds were removed and area was properly cleaned. The tree leaves that fall regularly



in the sector premises were cleaned. It was decided to practice regular cleaning of sheep sheds, office and store rooms, areas surrounding the sector and abhiyan will continue. Awareness was created among the staff and contractual persons working on the sector about the cleanliness and its importance in practicing healthy life.



## Swachhata Abhiyan Main gate, nearby premises and Canteen

The “Swachhata Abhiyan” was observed at the Main gate of CSWRI, Bus stand, Sale counter, Temple premises and Security section of CSWRI Avikanagar. Team surveyed the areas in and around the security section, temple, bus stand, main gate etc. and prioritized the required cleaning activities in consultation with Director. All the persons and other staff of institute helped in cleaning the premises. Waste and useless items found in the area were identified and removed.



Area was completely cleaned. Grasses, weeds were removed and area was properly cleaned. The tree leaves that fall regularly in the premises were cleaned. It was decided to practice regular cleaning of area and abhiyan will continue. Awareness was created among the staff and home guards about the cleanliness and its importance in practicing sound life.

The Director Dr. Naqvi along with the sanitation campaign committee visited the post office and canteen premises on the same day and monitored the activities that were undertaken at site regarding sanitation. All the staff of Post office, TMT division and others helped wholeheartedly to clean the premises at most.



## Swachhata Abhiyan at AG&B Division



In continuation with the ongoing activities at the institute for Swachhata Abhiyan as initiated by director Dr. S.M.K. Naqvi, the “Swachhata Abhiyan” was executed by the Animal Genetics & Breeding Division, CSWRI Avikanagar. The abhiyan activities are conducted under the able guidance of Dr. Arun Kumar, Head of the Division along with other scientific, technical and contractual staff of the division initiated the campaign

that was duly supported by Director Dr Naqvi and other members of the abhiyan. Team surveyed the areas in and around the Division offices, laboratory, washroom, toilet, gallery, store room, staircase and outside the building and prioritized the required cleaning activities in consultation with Director and co-ordinator. All the persons and other staff of division helped in cleaning the premises. Waste and useless items found in the area were identified and removed. Area was completely cleaned. Grasses, weeds were removed and area was properly cleaned. The tree leaves that fall regularly in the premises were cleaned. It was decided to practice regular cleaning of area. Awareness was created among the staff about the importance of sanitation and healthy life. The campaign was strengthened with the oath of affirmation to clean the office premises on regular basis by all the members of the division.





## “Swachhata Abhiyan” Inspection

CSWRI Avikanagar has taken the lead in launching the ‘Swachhata Abhiyan’ in the campus from 25th September, 2014 till today. Inspection activities are regularly undertaken by the Director of institute to monitor the activities in the sanitation campaign. Director along with other distinguished members inspected the Administrative building. Dr Naqvi expressed his views and guided the persons involved regarding the cleanliness drive. Dr. Naqvi stressed upon realising the need to keep the environment healthy and clean. He appreciated the activities carried out during the tenure and asked officials to further carry out the remaining task. Dr Naqvi visited the Library building, library section and AG&B Division and appreciated the activities carried out during the Swachhata Abhiyan. He appreciated the move by the staff in actively cleaning the office and nearby premises by their own efforts and observation.



## Swachhata Abhiyan in the State Secondary School campus

The Sanitation campaign was carried out at State school in the Avikanagar campus. Director Dr. S. M. K. Naqvi along with others visited the state school campus. At the venue, the cleanliness work was actively undertaken by the School students, teachers and other staff. Waste and useless items found in the area were identified and removed. Area was completely cleaned. Grasses, weeds were removed and area was properly cleaned. The tree leaves that fall regularly in the premises were cleaned. It was decided to practice regular cleaning of area. Awareness was created among the staff, students and others about the cleanliness and its importance in practicing sound life. On the occasion of cleanliness drive, personal hygiene was also stressed and for that health camp was organised at state school (Human Dispensary) along with their staff.





## Swachhata Abhiyan at Animal Nutrition and NPB Building

At the Animal Nutrition Division, sanitation activities were carried out at various places under the sanitation drive. Under this programme, several activities at Kaccha Bandha sector (no. 10) were carried out such as cleaning sheep shed, in and outside of the sheep shed, pruning of the weeds, feed unit cleaning, office and toilet cleaning, feed and fodder storage place cleaning, etc.

At the feed unit of the division, equipments such as machine to prepare feed block, feed mixer, grinder, machine to make pellets were cleaned. Along with them the godown and place outside the godown where feed is stored was cleaned. All this work was carried out by the staff of the Nutrition division.

Road outside the NPB Building was cleaned and all the staff and workers contributed equally from AP&B and AN division for the work. Laboratory, offices, washrooms, equipments were properly cleaned during the period. It was envisaged that these types of activities shall be done regularly to maintain the hygiene and enhance aesthetic value of surroundings.



## Swachhata Abhiyan at Farm Section



At the Farm Section of CSWRI Avikanagar, sanitation activities were carried out at various places under the sanitation drive. Under this programme, several activities at Farm Section office were carried out such as cleaning of ground, offices, toilets, dusting of posters, banners, boards, etc. At the nursery, efforts to remove the weeds, unwanted waste, tree leaves, etc. were made sincerely. All this work was carried out by the staff of the Farm section. It was foreseen by the staff that these types of activities shall be done regularly.





## Swachhata Abhiyan at CSWRI North Temperate Research Station Campus, Garsa

At the NTRS Garsa, formal inauguration of the Sanitation campaign was carried out on 25.09.2014 through sweeping in the main office area by In-Charge NTRS and all the staff. In-Charge appealed to the staff to maintain the cleanliness to all scientists, technical, administrative and supporting staff. During the campaign, sheep sheds, office buildings, laboratories, state primary school, farms, etc, were cleaned and inspected.



## Farmer interaction and Swachha Bharat Abhiyan at Mera Gaon Mera Gourav adopted remote village ‘Bhalan’

A farmer-scientist interaction cum Swachha Bharat Abhiyan was organized at Mera Gaon Mera Gourav adopted remote village ‘Bhalan in the Garsa valley on 10th January 2016. Dr. Om Hari Chaturvedi Acting Head and Dr. Debabrata Sethi Scientist participated in the programme and discussed with farmers on various problems faced by them in the village with special reference to agriculture. The villagers were made aware about importance of cleanliness of dwelling place and surroundings. Swachhata Abhiyan was celebrated with cleaning of community ground in the village. Villagers participated the programme with great enthusiasm.





## ***Parthenium* Eradication campaign**

Under the Swachh Bharat Mission of Union Government, special cleanliness drive has been organized at CENTRAL SHEEP AND WOOL RESEARCH INSTITUTE AVIKANAGAR on dated 13 August 2015 to eradicate hazardous weed *Parthenium hysterophorus* from the Institute campus. Institute Director Dr S.M.K. Naqvi motivated to staff members for their contribution in making the campus clean from this weed. All the staff members and schools of campus were requested to clean the identified places within the premise. The staffs members, teachers and students of kendriya vidyalaya, Government Higher Secondary School avikanagar and Ladies club Avikanagar participated in the cleanliness exercise with enthusiasm and cleaned the parking area play grounds, lawn and farm roads of the campus. During this, *Parthenium* were removed from the premises for disposal at proper place. On this occasion Institute Director Dr. S.M.K Naqvi addresses to the all staff members, teachers, students and other residents of campus as reported presently, this invasive weed is widely prevalent in India. This noxious weed is known to cause many health hazards and has potential to disrupt the natural Eco-systems. It squeezes grasslands and reduces agricultural and pastures productivity. Individually to curb proliferation of *P. hysterophorus* is difficult. So, integrated approaches are warranted to restrict the invasion of this weed. To address this problem, the invasive weeds should be adopted public awareness and has to be developed for participatory approach to control the weed.



## Innovative Idea of Waste Wool Management-A eco-friendly approach of CSWRI, Avikanagar

Wool processing industries of the country nearly 10 to 15% of the total wool processed has waste raw wool or some woollen product waste (viz. carding, combing, spinning wad weaving wastes) which is of no use for them and being discarded or dumped on the ground. These wool waste are voluminous, light weight and proteins in nature and may cause serious environment hazards and air pollution. These fine wool particles floating in air may cause severe allergic rhinitis in human. There was a need to have efficient environment friendly wool waste disposal system to overcome the problem. These all organic materials available in any form are hygroscopic in nature and has got the property to hold the water for longer duration. This property of the matter can be very well used in the agriculture production purposes. Keeping this idea in mind CSWRI Avikanagar has developed promising wool waste based manure for agriculture.

As per guidance and motivation of Dr S.M.K. Naqvi, Director CSWRI, Avikanagar, a program of utilization of waste wool in agriculture field and safe disposal was conceptualized and initiated at Institute level at Farm section and composting has been carried out since last 2-3 years. A series of small experiment has been carried and encouraging results has



been obtained in terms of longevity of moisture retention and better biomass production. Further bulk waste wool was collected from Bikaner woollen mills and composting of these waste wool, sheep manure and crop residues was carried out in ratio of 30:50:20. The newly developed waste wool based compost manure is giving better results in comparison to other compost material and very much helpful in raising indoor and outdoor ornamental plants in pots in multistory buildings, malls, corporate offices airports in metro cities with little care. The effort made in the direction has been very well acknowledged and appreciated by dignitaries and research advisory committee members visited CSWRI, Avikanagar.





**Weighing of waste wool for composting**



**Research advisory committee members visited composting site**



## Sheep Manure Management - An eco-friendly approach of CSWRI, Avikanagar for organic agriculture

Sheep manure fetches a great value in market due to its nutrient enrichment for improving soil productivity. It is widely used in the cities as well in villages for agriculture, horticulture, home gardening, pot gardening purposes. CSWRI Avikanagar produces a huge amount of sheep manure that is regularly used for improving the productivity of the soil.

The Sheep Manure has been named as **AVIKHAD** and it is attracting a lot of users across the country due to its organic importance and utility.





## One day Interactive Meeting (03-03-2015) with Garlic Farmers Regarding Utility of Sheep Manure

In Collaboration with the Horticultural Research Station, TNAU, Kodaikanal and Horticultural College and Research Institute, Periyakulam, an interactive meeting with the farmers of Mannavanur was conducted on 3<sup>rd</sup> March, 2015. These farmers were engaged in the cultivation of high altitude garlic varieties, the predominant cash crop of the Kodai hills. The farmers were of the opinion that the sheep manure usage in the garlic cultivation provided better yield and bigger sized cloves as compared to cattle manure and other synthetic fertilizers. This may be attributed to the alkaline nature and richness of micronutrients like selenium and Boron in sheep manure. The farmers are demanding more supply of sheep manure. Fifty farmers participated and got benefitted.



## Guest House, PG Hostel, Farmer's Hostel Cleanliness

CSWRI Avikanagar has focussed also on the cleanliness of transit people rest area in the campus. The facilities for the guest house, PG hostels were regularly monitored and the rooms, premises etc. were cleaned on regular basis. The toiles, kitchen, rooms, garden, etc. were monitored on day to day basis. This has been inculcated in the habits of the people residing and managing the buildings. This has received a great appreciation from the visitors.

The farmers and other trainees and guests residing at the facilities are happy to stay there and also learn about the benefits and joy of cleanliness drive. The message of cleanliness thus is spread from action.





## Tree Plantation as a way for clean environment

CSWRI Avikanagar is involved in tree plantation programme at the institute. At every occasion, that is important, tree plantation is integral to the programme. Each guest arriving at Avikanagar has atleast one tree planted by his hand. Every year during monsoon a huge drive for tree plantation is made by CSWRI Avikanagar. This not only helps in increasing the green cover, but also for soil quality, conservation and all the healthy climate related issues.





**Water Harvesting through Rain water collection in Farm pond at the Institute**

