



## Indian National Centre for Ocean Information Services (INCOIS)

(An Autonomous Body under Ministry of Earth Sciences, Govt. of India)

### Swachhata Pakhwada

(01 – 15 July 2020)

### Daily Report

(13 July 2020)

"Ocean Valley",  
Pragathi Nagar (B.O.), Nizampet (S.O.),  
Hyderabad - 500 090, India.

[https://incois.gov.in/portal/SwachhBharat\\_2020.jsp](https://incois.gov.in/portal/SwachhBharat_2020.jsp)

## 1. Preamble

Hon'ble Prime Minister of India had launched the Swachh Bharat Mission on 2nd October 2014. The Ministry of Jal Shakti is designated as the nodal ministry for executing this national mission. The mission is being executed by the Department of Drinking Water and Sanitation, Ministry of Jal Shakti at national level. The mission objectives are to eradicate open defecation, efficient management of solid and liquid waste, encourage cost effective and appropriate technologies for ecologically safe and sustainable sanitation, overall cleanliness and to create significant positive impact on gender and promote social inclusion by improving sanitation.

The Swachhata Pakhwada was started with a vision to mainstream Swachhata activities across all Ministries / Departments of Govt. of India. The Ministry of Earth Sciences (MoES) and the attached, sub-ordinate and autonomous offices under the administrative control of MoES are actively participating in this national mission since its inception. To carry out swachhata activities in all institutes of MoES, first fortnight of July 2020 (July 01 - 15) is allocated. In this regard, Indian National Centre for Ocean Information Services, an autonomous body under MoES has planned several activities during Swachhata Pakhwada as detailed in Table below

<b>Date</b>	<b>Activities</b>
01 July 2020	Webinar on "Open Defecation Free India: A Case of Krishna District in Andhra Pradesh" by Dr. J. Kiranmai, Registrar, Institute of Public Enterprise, Hyderabad
02 July 2020	Plantation of trees at ITCOcean campus. It is decided that the trees for plantation will be arranged from the Govt. of Telangana under their Haritha Haram mission.
03 July 2020	Awareness campaign and distribution of personal hygiene materials to INCOIS outsourced (housekeeping, gardening, security, electrical etc.) staff.
06 July 2020	Campus sanitization in coordination with Covid Task Force of INCOIS
07 July 2020	e-poster design competition for INCOIS employees on theme "Swachhata and Personal Hygiene"
08 July 2020	Plantation of trees at INCOIS other than ITCOcean campus.
09 July 2020	Event on "Discouraging single use plastic"
10 July 2020	Drawing competition for students on "Personal Hygiene"
13 July 2020	Essay competition for students on "Household waste management"
14 July 2020	Webinar on "Swachh samudra and Covid-19" by Dr. Nimit Kumar, Scientist, INCOIS
15 July 2020	Concluding ceremony through webinar

All the activities were / will be planned and executed under the supervision of Swachh Bharat committee constituted by Director, INCOIS. The Swachhata activities for the year 2020 were planned keeping in mind all the instructions and guidelines issued by the M/o Home Affairs and M/o Health and Family Welfare considering current situation of Covid-19 pandemic.

## 2. Activity

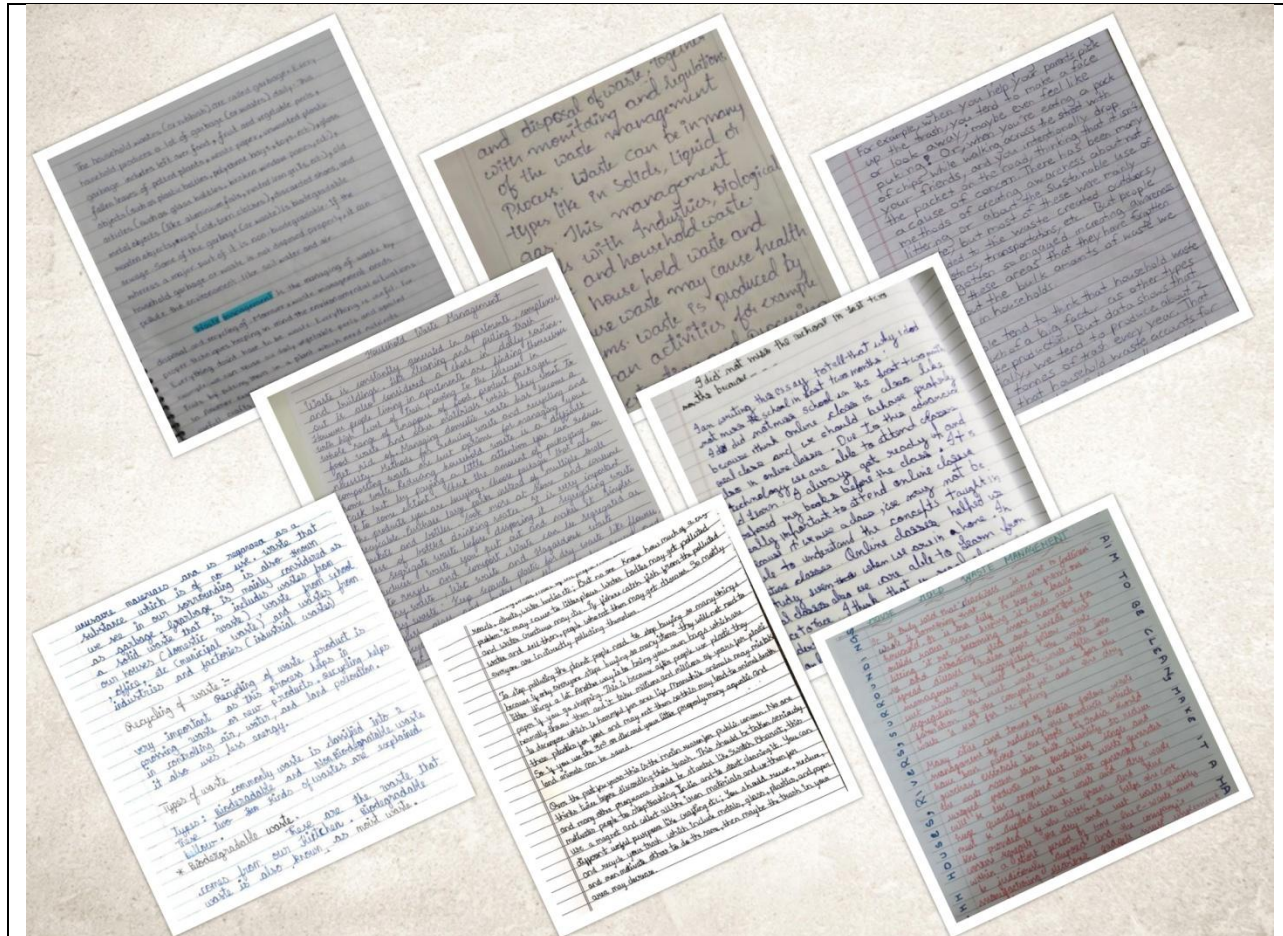
Millions of tons of household waste are generated globally each year, a part of it adds to the environmental pollution and general un-cleanliness of our surroundings. Although there are strict government rules and regulations to handle and manage the household wastes, unfortunately, a significant portion of the household waste finds its way out to our open environment causing pollution and uncleanliness. As the old saying goes, prevention is better than cure. This is especially the case when it comes to young children. It becomes more important during the present Covid-19 pandemic situation to discuss proper household waste management and impress their young minds. Their proactive role in the effective management of household waste such as reducing, recycling, reusing, segregating waste may indeed go a long way in reducing the pollution and improving the Swachhata. It's never too early to start following the proper waste management principle. However, teaching the principles at an early age can help propagate the message more efficiently and be taught to future as well as older generations.

In view of this, the ninth day (13 July 2020) event of Swachhata Pakhwada - 2020 was scheduled for an online e-essay competition on “Household Waste Management” for the school students studying in the schools located at Hyderabad. The essay competition was open for classes 7 to 10 only. The schools were invited to make nominations. Total 59 entries were received from seven schools of Hyderabad. Out of total 59 entries, 50 unique and valid entries were considered for the competition (Essays can be seen on <https://incois.gov.in/SwachhBharat/essay.jsp>). Out of 50 entries (consists of 22 female students and 28 male students), 7 were from Class 10<sup>th</sup>, 9 were from Class 9<sup>th</sup>, 12 were from Class 8<sup>th</sup>, and 22 were from Class 7<sup>th</sup>. Students were instructed to use their own ideas, in their own words and in their own handwriting. The genuineness of the submitted essay was the complete responsibility of the participating students and their school. The essays were submitted under the license type CC BY as given in (<https://creativecommons.org/licenses/>).

The Swachh Bharat Committee of INCOIS decided to award the best essay from Classes 10<sup>th</sup> and 9<sup>th</sup> (Category I), Class 8<sup>th</sup> (Category II), and Class 7<sup>th</sup> (Category III). As a token of appreciation, an e-certificate will be also provided to all the participating students. Given the Covid-19 pandemic raging across India, the competition was conducted by accepting online entries to avoid any social gathering. The activity was coordinated by Ms. Almeida Celsa Margaret, Mr. N. Kiran Kumar, Mr J. Ramanjaneyulu. Ms. Unnimayakrishnan, Dr Kunal Chakraborty and Dr. Suprit Kumar along with the other members of the Swachh Bharat Committee of INCOIS under the guidance of Dr. Aneesh Lotliker, Chiarman.

This event was planned to educate children on household waste management. It is hoped that this event will raise awareness about the importance of good household waste management and promote the cleanliness around our residential localities.

An internal committee, consisting of INCOIS scientists, is formed to evaluate and grade the submitted essays. Based on the evaluation, the Swachh Bharat Committee will announce the winners name on the 15<sup>th</sup> July 2020 during the valedictory session. All the essays are uploaded on the INCOIS website for viewing by one and all.



*Glimpse of essays submitted by the students*

<p>Waste (garbage) is something we don't need or we don't use it; so, we throw them. This waste can be produced by animals and even plants. But we can Reuse, Reduce and Recycle. These are all known as 3Rs. These 3Rs are very important for a good environment.</p> <p>Do you know, London uses waste to turn it into energy. If they run out of waste, they buy waste from their neighbouring countries. They use all types of waste for this process, even toxic waste. They don't use fuel for this process.</p> <p>We can even use the methane gas produced by the wet waste in the dumping yards and water bodies. Instead of using gasoline, as methane is flammable and can be transported easily through pipelines or through tankers.</p>	<p>Waste management also involves solid, liquids and gases.</p> <p>Some methods of waste disposal are:-</p> <ol style="list-style-type: none"> <li>1) We can use the organic waste like vegetables, fruit peels etc to make our own Compost pit for our garden.</li> <li>2) Avoid using plastic containers and wrappers etc.</li> <li>3) Instead of using plastic we can use glass jars and steel containers, bottles, box etc.</li> <li>4) Use a green coloured trash can to throw the biodegradable and the red coloured one for the non biodegradable.</li> <li>5) Every year 2.0 billion metric ton of waste is generated.</li> </ol>	<p>on our daily life we use things which when serve its purpose and we no longer want becomes waste. Managing the disposal of such waste is indeed a matter of concern.</p> <p>The concept of Waste Management has been going on for a long period but with growing population and the variety on garbage (plastic, non metallic, disposable, non disposable etc) has made it a challenge for all of us.</p> <p>When it comes to household waste management, we must put our full efforts to keep our society clean and tidy. There can be a lot of problems if we don't manage the waste properly. Let's discuss the most common one out of these.</p> <p>There can be a number of diseases spread by rodents and insects that get attracted towards the junk and later infect humans. Air and land pollution caused by daily household waste damages the health of people staying around.</p> <p>Problems may worsen day by day if we don't have a proper solution. Either we are throwing the household garbage into seas and waterbodies rather</p>
<p>HOUSEHOLD WASTE MANAGEMENT</p> <p>we say "Cleanliness is next to Godliness" they also say that Godly begins at home. So before even thinking of cleaning a world start by cleaning your house.</p> <p>Household waste are wastes that are generated by household. The waste can also be called domestic waste. These wastes are either non-hazardous, these non-hazardous wastes include old clothes, paper, plastic bottles etc. These household wastes can be segregated easily.</p> <p>We can segregate these waste in two ways and they are as follows. 4 hrs in your house and they can be used for glass jar, plastic and metal wastes. The waste like steel glass etc or broken glass can be put and be reused for future. Wastes that include papers, newspapers etc., can be put and reused. Wastes which are made out of plastic like plastic bottles are non-biodegradable but can be reused and can be re-manufactured in factories. The wastes that may have to be properly are called toxic wastes. These wastes are the hazardous wastes generated in households. These wastes should be wrapped in newspaper and kept in the bin. These wastes include batteries classroom etc.</p> <p>A second way of segregating these wastes is 'composting'. Composting is the process in which biodegradable wastes are converted into fertilizers. This process can be done in two ways, aerobic and anaerobic composting. In aerobic it is used to breakdown the material. This material show turned every few days. In the anaerobic method the material just be put in for an year and your compost is ready. The third method is vermicomposting. This method introduces</p>	<p>What is household waste management? Waste management is the collection, transportation and disposal of waste. This is very helpful as it keeps areas or regions cleaner; increase in waste production may lead to many diseases, some of which may lead to death. Waste management reduces pressure on the economy for the manufacturing of new products. Urban India, consisting of about 377 million people, generates around 60 million tonnes of garbage every year, out of which 42 million tonnes, a whopping 70% of the garbage thrown in 'swampy and toxic' landfills. Delhi alone produces around 285000 tonnes of garbage. It is estimated that if we continue generating waste at this rate, India will need around 88 km<sup>2</sup> of valuable land only for dumping garbage and to create landfills. This area is twice the size of our capital - New Delhi. This</p>	<p>as a pushing factor for people to focus on waste management for the sake of themselves.</p> <p>One of the serious issues arisen out of globalization and industrialization is solid waste management which not only increased the amount of waste generation drastically but also changed the type of waste material produced due to an increase in the usage of plastics and other environmental damaging materials. According to the Environment Protection Act of 1986, waste is any substance constituting scrap or unwanted material which is a by-product or a result of the application of any process. Biodegradable, non-biodegradable, biomedical and e-wastes are the different types of wastes generated through modern day processes. Due to the booming of population, waste generation is continuous seeing an increase affecting the environment as well as the lives of millions. Proper disposal of waste is known as waste management which plays a significant role in keeping our environment sustainable.</p> <p>an important role in waste management. Swachh Bharat Mission was run on a national level and encompassed all the towns, rural and urban. It served as a good platform in making people aware of the importance of cleanliness. Swachh Bharat Mission set a lot of objectives to achieve so that India could become cleaner and safer in addition, it not only appealed the sweeper and workers but all the citizens of the country. This helped in making the message reach wider. It aims to build sanitary facilities for all house holds, one of the most common problems in rural areas is that of open defecation. Swachh Bharat Mission aims to eliminate that. Moreover, the Indian government intends to offer all the citizens with hand pumps, better drainage system, bathing facility and more. This will promote cleanliness amongst citizens. Similarly, they also wanted to make people aware of health and education through awareness programs. After</p>

Glimpse of essays submitted by the student

### 3. Useful / Reference Links

- Proceedings of Swachhata Pakhwada 2020:  
<https://incois.gov.in/SwachhBharat/SwachhataPakhwada2020.jsp>
- Photo Gallery:  
<https://incois.gov.in/SwachhBharat/sbphotogallery.jsp>
- Swachhata Activities Reports:  
<https://incois.gov.in/SwachhBharat/SwachhtaActivites.jsp>
- Essay display  
<https://incois.gov.in/SwachhBharat/essay.jsp>