



PLASTIC WASTE MANAGEMENT IN UTTARAKHAND

SINGLE USE PLASTIC BAN AND
EXTENDED PRODUCER RESPONSIBILITY:
ROAD MAP AND WAY FORWARD

WORKSHOP REPORT

FEBRUARY 17, 2023



भारत 2023 INDIA

वसुधैव कुटुम्बकम्

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UTTARAKHAND POLLUTION CONTROL BOARD
DEHRADUN, UTTARAKHAND

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Uttaranchal Pollution Control Board was established in Year 2001 as per Section (4) of Water (Prevention and Control of Pollution) Act, 1974 by Forest and Environment Division, Uttarakhand Secretariat's notification no 7756/I-V.G.V./2001-13(5)/2000 dated 26.12.2001. With continuation to the same Uttaranchal Pollution Control Board was reconstructed by the Forest and Environment Division, Uttarakhand Secretariat notification no. 153/1(2)/V.G.V./2002-13(5)/2000 dated 01-05-2002

Vide notification no. 1100/1(1)(2)/V.G.V./2003-13(5)/2000/T.C. dated 14.07.2003 of the Forest and Environment Division, Uttarakhand Secretariat. of Uttaranchal Pollution Control Board was changed to Uttarakhand Environment Protection and Pollution Control Board.

Vide notification no. 967/XXXVII-19-13(05)/2000 dated 11.12.2019 of the Forest and Environment Division, Uttarakhand Secretariat the name of Uttarakhand Environment Protection and Pollution Control Board was changed to Uttarakhand Pollution Control Board.

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Material from this publication can be used but with acknowledgment.

Contact:

Uttarakhand Pollution Control Board
Gaura Devi Bhawan, 46 B IT Park Sahasradhara
Dehradun, Uttarakhand
Pin Code - 248001
Phone Nos - 0135-2976157 ,0135- 2607092
email : msukpcb[at]yahoo.com

Contents

Introduction.....	1
Background.....	2
Inaugural Session.....	4
Technical Session One.....	7
Technical Session Two.....	9
Valedictory Session.....	16
Workshop Participants List.....	21
Community Communication.....	26
Workshop Media Coverage.....	27

INTRODUCTION

On 17 February, 2023 Uttarakhand Pollution Control Board (UKPCB) held a workshop titled "Plastic Waste Management in Uttarakhand: Single Use Plastic Ban and Extended Producer Responsibility - Road Map and Way Forward" at the head office of Uttarakhand Pollution Control Board, Dehradun, Uttarakhand. Timely and extremely relevant to the growing plastic menace in the Himalayan state of Uttarakhand, the one-day workshop marked the beginning of many such proactive steps in the near future by the Uttarakhand Pollution Control Board.



This is in line with the Central Government's commitment to Swachh Bharat Abhiyan and its various initiatives such as Swachh Survekshan, Garbage Free Cities, Safai Mitra Suraksha Challenge, and Namami Gange. In addition, Hon'ble Prime Minister of India Shri Narendra Modi announced India's pledge to phase out single use plastic by 2022 on World Environment Day, 5 June, 2022. The Hon'ble Prime Minister also pitched for freedom from single use plastic while delivering the Independence Day speech on 15 August, 2019. Thus, for an ecologically sensitive state such as Uttarakhand, it becomes crucial to not only work on these initiatives in every spirit of the word, but also engage in out-of-the-box thinking and come up with solutions that are not only the right fit for this hill state, but can also be tweaked and replicated in other Himalayan states of India.

Members from as many as forty industrial associations, representatives of eight Urban Local Bodies, and media people were present in large numbers. More than 1,000 people watched the programme online.

BACKGROUND

Plastic Ban in Uttarakhand

Govt. of India notified Plastic Waste Management Rules 2016 on 18 March, 2016. There have been 5 amendments to these rules during the past 7 years:

1. Plastic Waste Management Rules, 18 March, 2016
2. First Amendment (CPCB EPR Registration) 27 March, 2018
3. Second Amendment (Ban on SUPs) 12 August, 2021
4. Third Amendment (Use of Recycled Plastics) 22 September, 2021
5. Fourth Amendment (EPR Guidelines) 16 February, 2022
6. Fifth Amendment (PWM Rules On EPR) 6 July, 2022

Five Key Highlights of PWM Rules 2016

1. Expand jurisdiction of applicability from municipal area to rural areas
2. Local bodies shall be responsible for setting up, operationalisation and co-ordination of waste management system
3. Bring in responsibilities of producers and generators, both in plastic waste management system and introduce collect back system of plastic waste as per Extended Producer Responsibility (EPR)
4. Introduce collection of plastic waste management fee through pre-registration of producers, importers and vendors
5. The options on reuse of plastic in various applications namely, road construction, waste to oil, waste to energy will enhance plastic recycling

The state of Uttarakhand has notified the Uttarakhand Plastic and Other Non Biodegradable Garbage (Regulation of Use and Disposal) Act 2013. Under the said act, notification was issued on 16 February, 2021 which imposed a ban on identified single use plastic items in the state of Uttarakhand.

The Hon'ble High Court of Uttarakhand in the matter of Writ Petition (PIL) # 93/2022 Jitendra Yadav Vs Union of India & Ors. directed that plastic manufacturers and sellers without a plan of disposal of the waste would be banned in Uttarakhand. The Hon'ble High Court added that organizations selling and manufacturing plastic packaging products would not only have to register with UKPCB, but also present a plan for disposal of their plastic waste. They can have the waste disposed of by the local body, but will have to reimburse its expenses.

Extended Producer Responsibility

Extended Producer Responsibility (EPR) means the responsibility of a producer for the environmentally sound management of the product until the end of its life. It is a globally recognised waste reduction strategy that requires producers to take back products they have produced at end-of-life for reuse and recycling. It is related to the idea of a circular economy, an industrial system that creates zero waste beyond biological nutrients that can be safely released into the environment.

EPR registration for plastic waste refers to the responsibility for the management of the disposal of products by producers once those products are designated as no longer useful by consumers. Those registering for the same includes Producers, Importers and Brand Owners (PIBOs). On the other hand, those who will help PIBOs effectively and efficiently manage and recycle this waste will come under the ambit of Plastic Waste Processors (PWP's).



In a state like Uttarakhand where a big percentage of plastic waste generated comes from a humongous floating population of pilgrims and tourists, the issue of EPR becomes all the more important. To address this, the government has enacted the Extended Producer Responsibility Act, which applies to all Producers, Importers, Brand Owners and Plastic Waste Processors.

INAUGURAL SESSION

The Guest of Honour for the inaugural session was Shri Subodh Uniyal, Hon'ble Minister of Forest, Language, and Technical Education, Uttarakhand. Also present on the dais were Shri Vijay Yadav, Secretary Forest - Govt of Uttarakhand; Shri Vinod Kumar, PCCF (HoFF); Shri SP Subudhi, Director State Environment Protection and Climate Change and Shri Sushanta Pattnaik, Member Secretary UKPCB. It is worth mentioning that the shawl and mementos presented as a token of appreciation were made from recycled plastic bottles.

Guest of Honour

Shri Subodh Uniyal - Hon'ble Minister of Forest, Language, and Technical Education, Uttarakhand

The Hon'ble Guest of Honour pointed out the palpable effects of climate change and the importance of a circular economy. "We need to find a balance between ecology and economy," he stated. He congratulated representatives of industrial associations present for the increase in EPR registration.

At the same time, he warned those present against individuals in the field of environment who are doing more harm than good by playing in the hands of some powers, and cited the opposition against Tehri Dam and Sardar Sarovar Dam as examples. He rued the fact that there has been a decrease in connecting with the populace from the forest department and said it was detrimental since no initiative can succeed without community involvement.



He congratulated Uttarakhand Pollution Control Board for the workshop saying good work will always get recognition. In reply to Shri Vinod Kumar's query about biodegradable bags having a shorter shelf life for nursery plants, he suggested that the same can be used for fast-growing plants; after all, it will have to start somewhere.

Shri Vinod Kumar
Principal Chief Conservator of Forests - Head of Forest Force (PCCF-HoFF),
Government of Uttarakhand

Shri Vinod Kumar - PCCF (HoFF) congratulated Uttarakhand Pollution Control Board on the workshop and said it is a great initiative and a need of the hour. He talked about how until even a decade ago, waste management was hardly the top agenda when it came to urban development. Now that waste generation has multiplied several times, however, it is a different story altogether.

Waste management is a big challenge and has become a top priority for governments today. Having said that, it is also important to be mindful of the waste that is generated and cited Hon'ble Prime Minister Shri Narendra Modi's Mission LiFE, that should encourage us to make changes in our lifestyles. He also expressed concern at the plastic bags that are used in the nurseries and asked the business community to explore alternatives for biodegradable bags that can also last three years for the saplings to grow healthy.



Shri Vinod Kumar said that single use plastic has been banned completely in forest areas including national parks and sanctuaries. He mentioned a small NGO run by a women's SHG in the Jim Corbett area that takes plastic bags from visitors and gives them jute bags, and earned a revenue of Rs 7.5 Lakh. He also pointed out how waste is strewn around on the roadsides of forest areas and urged Urban Local Bodies to be more cognisant of this and take appropriate action.

Vote of Thanks

Shri Sushanta Pattnaik - Member Secretary UKPCB

Member Secretary thanked the dignitaries for sparing time for the workshop and encouraging the Uttarakhand Pollution Control Board team. He also thanked members of industry associations and expressed gratitude to Dr. Divya Sinha, Additional Director CPCB for coming to conduct the technical session on EPR for PIBOs and PWP. He invited the Guest of Honour to inaugurate the stalls on products made of recycled bottles and closed the session for a tea break.



The Member Secretary congratulated the staff and employees of UKPCB for working hard behind the scenes to make the event a success. He lauded the work being done in Kedarnath Wildlife Sanctuary as well as Nanda Devi National Park in the area of plastic waste management. Member Secretary finally thanked the founder of Social Development for Communities Foundation Shri Anoop Nautiyal as a Knowledge Partner for UKPCB.

TECHNICAL SESSION ONE

First Technical Presentation

Shri Jitendra Verma - Sub Divisional Magistrate, Ukhimath

He shared a presentation on litter-free Kedarnath Yatra, with India's first Digital Deposit QR code based Refund System. A simple incentive system that encouraged consumers to bring back their waste for a refundable deposit, collected at the time of purchase. By placing a value on the waste, the system has efficiently increased material recovery and better quality for recycling.

The QR code is put on plastic water bottles for an additional sum of Rs 10, sold by a shopkeeper, and reimbursed to the person bringing the bottle back at one of the 12 collection centers along the Kedarnath route. Since the refund is solely online, there is complete transparency as well. Those who returned the bottles included the end-consumer, safai saathis, and pitthuwalas. If there were bottles that were not returned, the money unreturned was put in a corpus and that trash from the hill or slope was retrieved.

"A solution is as good as it is imposed," he said. With the help of the private company who is working on this initiative, the district administration implemented it and the business community was given ownership of the initiative. Citing various plastic pollution rules and acts, the district administration implemented it in the entire route without exception.



The impact of the project was in that 1200 Kilogram of legacy waste was collected and recycled; the initiative reached 546 shops, 334 eateries and 94 hotels; 92,650 QR codes were bought for bottles, of which 64,102 were collected and processed for recycling; 25 jobs were created; high community ownership and effective partnership was perceived; and there was reduced littering. There are plans to expand it to all types of beverages and multi-layer plastic packets in the forthcoming Char Dham Yatra of Kedarnath that will start in the month of April 2023.

Second Technical Presentation

Shri Nishant Verma - Director, Nanda Devi National Park

He explained the initiative that took place in the Kedarnath Wildlife Sanctuary with the help of a presentation. In 2022-23, 122 Kilogram non-biodegradable waste was collected and handed over to Sulabh International from the Kedarnath trek route and Vasuki Tal route. 774 Kilograms of plastic and non-biodegradable waste was collected from the Tungnath-Chopta area by the forest officials and sent to Nagar Panchayat, Ukhimath. From the Devariya Tal region, 114 Kilograms of such waste was collected.

Twenty-eight people were fined a collective amount of Rs1,04,500 for littering in the forest and route area in Kedarnath Dham, and this was put in the state coffers. People littering the area were fined and those going to Rudranath Temple in Gopeshwar range were asked to deposit Rs 100 while taking plastic with them and the money was reimbursed when they brought it back and deposited it there.



Plastic bottles, wrappers, and packets were collected along the Char Dham Yatra route by daily wagers and handed over to Gopeshwar Nagar Palika. In 2022-23, 132.44 quintal plastic waste was collected from these areas. He also shared that 40.81 quintal non-biodegradable waste was collected from the Badrinath Dham route. He further informed that plastic waste collection is being carried out in Hemkund Sahib and Valley of Flowers by Eco Vikas Samiti, Bhuyndar.

He lauded the committee that has been formed by the local rural population and has done commendable work in the field of waste management. Moreover, in Valley of Flowers and Auli-Gorson treks, tourists and trekkers need to submit a deposit of Rs500 which is returned when they show the plastic bottles and wrappers that have been brought back. Additionally, waste bins have been installed along all trek and pilgrimage routes in the national park.

His recommendations: Up until now, the waste is given to the nagar palikas and nagar panchayats. If a plastic densification unit can be put up in the area, it will be easier to transport this waste and will be cost-effective as well.

TECHNICAL SESSION TWO

Dr. Divya Sinha, Additional Director Central Pollution Control Board (CPCB) highlighted the technicalities of EPR framework under Plastic Waste Management Rules. With the help of a presentation, Dr. Sinha underlined the elements of EPR guidelines based on the 4th Amendment (EPR guidelines) to PWM rules 2016, which were about:

1. Thrust on processing of plastic waste
2. Annual targets for PIBOs based on plastic waste introduced in market
3. Obligations for reuse, recycle, use of recycle content and end of life disposal
4. Key stakeholders: CPCB, SPCBs/ PCCs, PIBOs, PWPs
5. PWPs to issue certificates to PIBOs/ local bodies for fulfilling EPR guidelines



She explained about the kinds of plastic that are covered under EPR, such as rigid plastic, flexible plastic packaging, multi-layered plastic packaging and plastic sheets & compostable plastic and shared the obligations under EPR for each kind of plastic. The EPR target is pegged at 70% for 2022-2023 and 100% from 2023 onwards.

Dr. Divya Sinha underlined EPR guidelines on how registered PWP's will issue EPR certificates to PIBOs, which will then submit EPR certificates as proof of fulfillment of EPR obligation. There is also a provision for exchange of EPR certificates between PIBOs and PWP's. The guidelines, she said, aimed at developing a business model for collection/ segregation/ transportation and processing of plastic waste.

"The certificates will be generated and shared online only," she reminded those present. Apart from EPR guidelines, working model, modules of EPR portal, EPR targets for PIBOs were also discussed.



There are seven modules of EPR portal:

1. Registration of PIBO
2. Registration of PWP
3. Issue and exchange of EPR certificate
4. Filing of annual return
5. Environmental compensation
6. Third party audit
7. Training

Dr. Divya Sinha said that the first three modules are online and were launched on January 6, 2023; the last four were being worked on by the CPCB. She then explained in detail about the first three modules - from how to fill in the application form for registration, to EPR targets, post-registration mechanism, sales details and invoice generation. She also explained about the late fee mechanism, but the objective was not to get late fees but to ensure that the filing and registration is done as soon as possible. Similar information was shared for PWP's being registered.

She reiterated that the process is simple and detailed. She also shared that leading FMCG Groups such as ITC, Godrej and Tata Consumer Products had already registered on the portal. As of now, more than 2000 importers were also registered on the portal.

EPR: Question and Answer Session

Representatives of Industry Associations asked about relevance for asking audited data yet again and to submit invoices, to which Dr. Sinha replied that it was because the portal will be unable to read a PDF document and that all the data that is put in by a company is accepted; the only condition was to have tabulated data, so that EPR target can be calculated.



President of Industries Association of Uttarakhand Shri Pankaj Gupta represented his organization and brought some issues to Dr. Sinha's attention, such as:

1. Extended Producer Responsibility guidelines were notified on 16 Feb, 2022, under PWM Rules, 2016 and since this is a new provision, it is evolving. The industries are facing many tedious issues and they need to be addressed and resolved fast.
2. These guidelines are applicable in the entire country and in no other state are units being asked to stop operations. Whereas in Uttarakhand, due to the order of Hon'ble High Court, units are facing difficulties.
3. MoEFCC has issued an office memorandum dated 6th Jan, 2023, which has clarified some issues but confusion still remains on many important issues.

Shri Gupta also submitted a detailed document regarding the same and additional queries with possible solutions to Dr. Sinha.

Shri Manish Bhatia from Axis Consultants had the following questions:

1. Editing option in sale and purchase data on the portal.
2. Option for Single Application for Producers having multiple units in a single state should be allowed as all units have common GST there is no billing from one unit to the other units. So no sale purchase data is available to be submitted on the portal. Multiple consent uploading facilities should be provided on the portal.
3. How to bring the traders in the EPR compliance portal as it is a trade practice to sell plastic packaging to traders and traders further sell to registered brand owners or producers, bringing the same quantity under the EPR liability twice.
4. Date by which the EPR liability of registered PIBOs is to be discharged should be extended. PIBOs are still in the process of registration.
5. Due to lack of awareness, huge EPR liabilities and monetary involvement on the PIBOs for the past two years, time extension should be granted for further 1 year for discharge of liability without imposition of EC.



Shri Kartik Singhal of BioEnvirons Consortium also asked Dr. Sinha about plastic waste management from the perspective of a producer. Questions were as follows:

1. Are there any changes in online details entry scheme in producer applications, such as changes in plastic procurement in the new portal as compared to the old portal. Did one need to enter plastic sold details as well?

From the perspective of an importer, Shri Kartik Singhal asked whether:

1. In an importer application the entry of procurement details of imported plastic is mandatory, but did one need to enter details of imported plastic sold to PIBO?

2. Will surgical products such as cannula, and cock pit made of plastic be covered under this since they are bio medical waste?



Shri Anil Marwah from the Food Industry Association of Uttarakhand asked if food industry will need to be registered. Dr. Sinha said her department has answered this question several times already.

Others asked why there was not an option to correct data while filling in the forms. Dr. Sinha assured that the same was being done. She also pointed out that only trademark and registered labels need to register on the portal. MSMEs were exempted from registration. "Who should be exempted does not come under the purview of CPCB and which is why the ministry has issued an OM dated 6 January, 2023". **She reiterated that those who don't produce plastic and are recognized as micro and small entities under MSME category are not required to register.**

A few more questions were taken by Dr. Divya Sinha. She was asked about the status of companies that were neither producers nor brand owners, and were merely packaging the product. For instance, companies in the region that are not making blister packs and only the medicines that they pack in these blister packaging for a brand owner.



She was further asked that as per the rules, someone can generate certificates only until March 31. However, the statement closes only three-four months after the financial year end, which means the production and recycling will continue until then. Dr. Sinha said she had replied to this question even during lunch time, **wherein she had said that only the person who introduces the product in the market under a brand name will have to register.**

Industry Representatives requested for a written explanation for the same, and she agreed to the same if the query is given in writing. Regarding the generation of certificates by March 31, she agreed that there has been a delay, both by CPCB and the states; only Maharashtra has completed the physical verification of the same. "CPCB was following up with the PWPs on the same as well," she said. Regarding a delay after March 31, Dr. Sinha said she will have to consult with her authorities and was not in a position to comment about the same as of now.

Regarding importers of plastic units, Dr. Sinha said that CPCB had already clarified this saying that any importer who is importing plastic packaging or commodities in plastic packaging has to be registered, without exception. She also encouraged the business community to ask questions beyond the registration.

State Wise Summary

State: UTTARAKHAND

UTTARAKHAND						
SL.No	Category	Received	In Process	Not Approved	Registration issued	Total Received
1	Brand Owner	0	2	9	63	74
2	Producer	5	5	16	200	226
3	Importer	1	2	2	13	18

EPR Target (TPA)					
SL.No	Category	Cat-I (Rigid Plastic)	Cat-II (Flexible Plastic)	Cat-III (MLP)	Cat-IV (Compostable Plastic)
1	Brand Owner	873.2447	6350.2449	3079.477	21.7612
2	Producer	44790.0762	59753.1163	4201.2513	1635.4636
3	Importer	465.2066	251.0563	45.3838	0

(PIBO Registration in Uttarakhand as per EPR portal on 17 March, 2023)

Others asked for an understanding from the point of view of a producer who has four units in one state and asked if there can be an option of single application for all four. Dr. Sinha said that CPCB had considered it but had run into hurdles, because of which they had to make it into four, and clarified that the fee will have to be paid in only one.

She also clarified that those who purchase plastic from waste pickers can merely put in the Aadhar number or even phone number and don't have to rely on a GST number. **Dr. Sinha clarified that biomedical waste and hazardous waste will not be covered under EPR.** She urged everyone to read the guidelines once again, which will answer a number of queries that were put up. Additionally, she took a number of small queries from the business community.

VALEDICTORY SESSION

Chief Guest

Shri Pushkar Singh Dhami, Hon'ble Chief Minister Uttarakhand

The Hon'ble Chief Minister was felicitated by Shri RK Sudhanshu, Principal Secretary - Forest & Environment with a shawl, plant, jacket and a memento. The shawl and jacket were manufactured with recycled plastic, and were made by Uttarakhand's Pashupati Group of Industries. Shri RK Sudhanshu, Principal Secretary - Forest & Environment was welcomed by Shri SP Subudhi, Director State Environment Protection and Climate Change.



Shri Sushanta Pattnaik, Member Secretary UKPCB formally welcomed Hon'ble Chief Minister Shri Pushkar Singh Dhami by thanking him for finding time to attend the valedictory session. He firstly spoke about the ongoing activities and processes in UKPCB on EPR registration. He also told the gathering that with the coordination of UKPCB and CPCB, in the past four months, 216 PIBOs in Uttarakhand have registered on the EPR portal. At the same time, 67 PWP's have registered on the EPR portal.

Member Secretary informed that in North India, Uttarakhand is number one in this registration, and seventh in India. He reminded everyone that plastic waste is a big challenge and lauded Dr. Divya Sinha's efforts in communicating about the EPR guidelines to the participants of the workshop.

The Hon'ble Chief Minister unveiled a short film on plastic waste and its management with the click of a mouse button. He also inaugurated the waste to energy boiler in virtual mode, at Bahl Paper Mills Ltd in Kashipur. This is the first such boiler in the state where 100 tonnes of waste including plastic can be converted into 2.5 MW electricity on a daily basis.

Hon'ble Chief Minister Shri Dharam Singh lauded the efforts made by UKPCB in organizing this workshop that was much needed. "This Devbhoomi of ours that is so rich in natural beauty is looking at laying down a strategy to manage waste and plastic waste through this workshop. We have made a number of efforts to ensure that plastic waste management is on point to ensure that our natural beauty that is unique, is preserved," he said and added that we have to find a fine balance between economy and ecology.



Hon'ble Chief Minister Shri Dharam Singh reminded those present of the initiatives that Hon'ble Prime Minister Shri Narendra Modi has taken, such as Swachh Bharat Abhiyan and Namami Gange. He agreed that the plastic waste generated from our homes, restaurants and commercial buildings has become a big challenge and we need technology, awareness and sensitivity to battle it.

Hon'ble Chief Minister Shri Dharam Singh expressed satisfaction with the progress of compliance of Plastic Waste Management rules in Uttarakhand and congratulated those who are working in this direction such as Pashupati Group and Bahl Paper Mills. He was also optimistic that the manthan in the workshop will bring out nectar, amrit, which will benefit not only the environment but also the industry and business community in Uttarakhand.

"Waste should be perceived as a resource and that will add to our progress story since it will provide employment opportunities," he said. He reminded those present of Hon'ble Prime Minister Shri Narendra Modi's Mission LiFE and urged everyone to incorporate a positive change for the environment in each of our lives.

**Shri RK Sudhanshu, Principal Secretary - Forest & Environment,
Government of Uttarakhand**

Shri RK Sudhanshu, Principal Secretary - Forest & Environment expressed his deep gratitude towards Hon'ble Chief Minister Shri Pushkar Singh Dhami for providing leadership and vision for the environmental development of Uttarakhand. He talked about how countries such as the United States of America use most plastic on a per capita basis, and how their management of the same and its recycling is commendable.



Shri RK Sudhanshu reminded those present of the four Rs of recycling – refuse, reduce, reuse and recycle. He urged Urban Local Bodies to take the lead in the same in Devbhoomi Uttarakhand. The workshop ended with group photographs with dignitaries.

Displays and Stalls at UKPCB

The lawns of UKPCB were also a venue for the following six stalls that exhibited the work that was being done in the area of plastic waste management and recycling:

1. EIACP Hub (formerly ENVIS), Uttarakhand Pollution Control Board showcased their publications, posters, newsletters, reports and awareness calendars. Various pamphlets prepared on single use plastic, plastic waste banned items and their alternatives were displayed.



2. Puja Shiv Mahila Swayam Sahayata Samuh is a group of 13 self empowered women. They showcased bags made out of jute and recycled fabric. There were a range of bags such as ones suitable for food (tiffin) bags, water bottle bags, carry bags and many more.

3. Swayambhu Innovative Solutions Pvt. Ltd. showcased their range of recycled plastic sheets, hand wash stations and benches made from recycled plastics.

4. Pashupati Polyplex, Udham Singh Nagar had a range of eco-friendly polymers made out of PET bottles, polyester yarn, cotton blended yarn, polyester-acrylic blended yarn and polyester viscose blended yarn.

5. Ms. Tanushree Mishra is an artist making products in an innovative manner using recycled waste materials. The products displayed were cartoon characters, religious idols and famous people using fused bulbs, wall decor using quirky art forms with cake base. Glass and plastic bottles were decorated with different kinds of art.



6. Shagun Enterprises from Kotdwara displayed a range of bio-compostable bags. The bags are nature friendly and environment friendly, and do not harm the environment in any manner. In case it is eaten by animals, it does no harm to them as happens with the conventional plastic bags.

WORKSHOP PARTICIPANTS LIST

WORKSHOP

PLASTIC WASTE MANAGEMENT IN UTTARAKHAND

Single Use Plastic Ban and Extended Producer Responsibility

Road Map and Way Forward

Date: - 17.02.2023

Participants List

S.no	Name of Participant	Organisation/ Designation	Mobile No.	E-mail No.	Status of Participant
1.	Rahul Kumar Gupta	Sanjivani Parenteral Ltd Accountant	9897238885	Sanjivani.ddnaccnt@gmail.com	Industry
2.	Sunil Dimn	Relaxo Footwear Ltd	9837543330	Sunilidwernerelaxofootwear.com	Industry
3.	Bankey Goenka	Pashupati Group	9760046101	bgoenka@yahoo.com	Industry
4.	N.S. Bisht	Gujarat Ambuja Exports Ltd., Sitarganj	9917466414	nsbisht@ambujagroup.com	Industry
5.	Rajiv Agarwal	Senior Vice President, Ind. Association of Uttarakhand	9837046493	Rajiv.agarwal@yahoo.com	Industry
6.	Umakant Tiwari	Akums Drugs & Pharmaceuticals Ltd	8755908945	worlds@akums.in	Industry
7.	Sanjay Kumar	Nagar Nigam, Roorkee Assistant Municipal Commissioner	9634003929	Sanjaykumar.udd@gmail.com	ULB
8.	Nayam Pant	Joshi Enterprises Himalayan Chamber	9639631488	ambsjoshi@gmail.com	Industry
9.	Deepak Bangwal	Hope Human Welfare Society, Dehradun Co-ordinator	9997774220	Bangwaldeepak4@gmail.com	NGO
10.	Rahul Kumar Goel	Municipal Commissioner, Rishikesh	9997972664	nprrishikesh@gmail.com	Government body
11.	Kamal Verinder Singh	BIA-Bhagwanpur Ambuja Cements	9816065420	kamalverinder@adani.com	Industry
12.	Vipan Kumar Gehlot	Shagun Enterprises Nasibabad, Kotdwar, Garhwal	9013788313	vipankumargehlot@gmail.com	Industry

13.	Pallavi Pandey	Nagar Nigam, Rishikesh	7317755009	Reachout2pallavi@gmail.com	ULB
14.	Manish Bhatia	Axis Consultants	9044545454	mail@axiscg.in	Industry
15.	Bhupesh Sharma	Parle Agro Pvt Ltd	8171000005	Bhupesh.sharma@parleagro.com	Industry
16.	Sumit Kumar	Godrej Bhagwanpur, EHS Head	9997182206	sktmk@godrej.com	Industry
17.	Purna	SDC Foundation	7059152179		NGO
18.	Sushant Takekar	Thermax Ltd	9011019980	Sushant.takekar@thermaxglobal.com	Industry
19.	Santosh Gussain	Nagar Nigam, Rishikesh	8433022672	npprshikesh@gmail.com	ULB
20.	Govind Singh Nabiyal	Mahindra & Mahindra, Haridwar	9759668100	Nabiyal.govind@mahindra.com	Industry
21.	Ganpati S. Rawat	SIDCUL	9634728481	Gprawat.73@yahoo.co.in	Government body
22.	Pankaj Kumar Sharma	TQM Engg.	9788116433	Tqmengineur333@gmail.com	Industry
23.	Harbhajan Singh	Bhadrabad Industries Development Welfare Association, Executive Member	9927449828	Wmkunt_engg@rediffmail.com	Industry
24.	Rajiv Dhiman	CF (Shivalik)	9458900800		Government body
25.	Azhar Ali	Nagar Nigam, Kotdwar S.N.A	9557444319	eonagarpaloka@gmail.com	ULB
26.	Anil Tyagi	MD Sagar Pulp & Paper Mill	9719412661		Industry
27.	Deepak Jindal	Naini Papers, Kahipur	9639006452	etp@nainigroup.com	Industry
28.	Vinodlal Shah	Nagar Nigam, Kashipur, S.N.A	7860278435	nagarnigamkashipur@gmail.com	ULB
29.	Mrityunjal Singh	Joint Director, Department of Industries	9451316832	mpr@daik.org	Government body
30.	Anil Vohra	Hope Human Welfare Society, Dehradun Secretary	9412050476		NGO
31.	Sanjay Gairola	Hope Human Welfare Society, Dehradun Treasurer	9528709190	Gairola.sanjay84@gmail.com	NGO
32.	Ramesh Komakulwal	Everest Ind.	7060666849	Ramesh.komakulwal@everestind.com	Industry
33.	Ravi Shankar Sharma	Roop Polymers Ltd	8791003797	Ravi.sharan@rooppolymers.com	Industry

34.	Dr. Harindra Kumar Garg	Chairman SIDCUL manufacturing Association, Uttarakhand	8057875555	--	Industry
35.	Nitin Agarwal	Pashupati Group	9634090058	cso@pashupatigrp.com	Industry
36.	Raju Nabiya	Nagar Nigam, SNA, Rudrapur	--	nagamigamrudrapur@gmail.com	ULB
37.	Dr. Shahida Pawar	ROR, UKPCB	8756565005		UKPCB
38.	Akanksha	Swayambhu Innovative Solutions Pvt Ltd	7763087452		Industry
39.	Dharmendra Shukla	HR manager Uni medicalabs	9359934645	dshukla@unimedicalabs.com	Industry
40.	Nehapal Singh	M&M Ltd, Haridwar	999737912	Singh.nehapal@mahindra.com	Government Body
41.	Rohit Bhatia	Laghu Uday Bharti	9736000011	omrohit@gmail.com	Industry
42.	Navneet Roshan	Nagar Nigam, Haridwar	9927271132		ULB
43.	Sandeep Kumar	Attero Recycling Pvt Ltd, Roorkee	9891128401	Sandeep.kumar@attero.in	Industry
44.	Dr. Saurabh Gupta	A.P.S. consultant Roorkee	9897064421	saurabhkr@gmail.com	Industry
45.	Chand Mohammand	Hindustan Times	9156327828	--	Newspaper
46.	V.K. Rawat	Hindustan Times	--	--	Newspaper
47.	P. Uniyal	Hindustan Times	--	--	Newspaper
48.	G.P. Jakhanda	Hindustan Times	--	--	Newspaper
49.	Dharam Singh Meena	Add. Secretary, Forest & Environment	7088796414		Government body
50.	Kartik Singhal	Bio Environs Consortium, Dehradun	8826555008	Atul.bec@gmail.com	Industry
51.	Sudhir Mishra	Bajaj Auto Ltd., SEWS, Panitnagar	7023001090	sudhimishra@bajajauto.co.in	Industry
52.	Ankush Bhardwaj	Sanjivani Parental Ltd, Plant Head	9634490873	Bharadwajankur99@gmail.com	Industry
53.	Anil Rai	Relaxo Footwear Ltd	9997737408	Anilrai@relaxofootwear.com	Industry
54.	Ashish Gupta	SIDCUL Manufacturing Association, Uttarakhand Treasurer	9719009461	Avg.param@gmail.com	Industry

55.	Pankaj Gupta	President, Industry Association of Uttarakhand	9412050047	Pankajgupta30@hotmail.in	Industry
56.	Rakesh bhat	Biologicle E. Ltd.	8191001133	RAKESH.BHAT@BIOLOGICALE.Com	Industry
57.	Rajeev Gupta	Devaspan Foods Pvt Ltd, Kashipur	9837050262	Rajeev.gupta@kvspromier.com	Industry
58.	Vivek Kumar Tripathi	Akums Drugs & Pharmaceuticals	7905683259	Vtripathi192@gmail.com	Industry
59.	Praveen Kumar	ITC Haridwar EHS Manager	7500444452	Praveen.kumar@itc.in	Industry
60.	Jitendra Verma	Sub District Magistrate	7060187084	Jitenderverma12@gmail.com	Government body
61.	Vipin Kumar	Deputy Director Industries	9410012920		Government body
62.	Gaurav Lausa	Head Confederation of Indian Industry	9897225581	Gaurav.lausa@cii.in	Industry
63.	Malay Tripathi	Himalayan Chamber of Commerce & Industries, Haldwani	9082328892	malaytripathi@hotmail.com	Industry
64.	Rakesh Dutt Jakhmala	AE Urban Development, Directorate,	9634061481	Rakesh.jakhmala@rediffmail.com	ULB
65.	Krishan Satywali	Sitarganj SIDCUL Association, General Secretary	9720106713	krishan@pbgh@gmail.com	Industry
66.	P. Sharma	Parle Agro Pvt Ltd	9654719796		Industry
67.	Sanjay Kushwaha	Godrej & Boyce Mfg. Co. Ltd.	8433290908	sanjaykk@godrej.com	Industry
68.	Dr. Rahul	Nagam Swasthra adhikari	9412129122		ULB
69.	Anil Marwah	Food Ind. Association of Uttarakhand (FIAU) State Co-ordinator	9837046850	ambakehouse@gmail.com	Industry
70.	Vikas Singh	Root Recycling Pvt Ltd	7830652859	--	Industry
71.	Dr. Dharendra Singh	Nagar Nigam, Haridwar	7908116483	--	ULB
72.	Nitin	BAHL paper Mill Pvt Ltd	8439497456	--	Industry
73.	Nishant Verma	CCF/ Director, UDBR	8826390808	Nvermaifs1999@gmail.com	Government body
74.	Atma Singh	Bhadraabad Industries Development Welfare Association, Haridwar	9319464546	Gurukripaindustries@gmail.com	Industry

75.	Shivam Goyal	Bhagwanpur Industries Association	7060000321	bhagwanpurindassociation@gmail.com	Industry
76.	Gautam Kapoor	Bhagwanpur Industries Association	9897072453	bhagwanpurindassociation@gmail.com	Industry
77.	Praveen Garg	Bhagwanpur Industries Association	8057900836	bhagwanpurindassociation@gmail.com	Industry
78.	Jitesh Garg	Bhagwanpur Industries Association	9810697639	bhagwanpurindassociation@gmail.com	Industry
79.	Aditya Tomer	Ava Packaging Director	8445077360	Ava.packs@gmail.com	Industry
80.	Lavanya Singhal	Roorkee Small scale Industrial Association Executive Member	8077348774	lavanyasinghal@gmail.com	Industry
81.	Rakesh Mittal	Roorkee Small scale Industrial Association Vice President	9837341590	lavanyasinghal@gmail.com	Industry

COMMUNITY COMMUNICATION







सिंगल यूज प्लास्टिक के विकल्प अपनाएं स्वस्थ भविष्य बनाएं



BRING YOUR OWN CLOTH/JUTE BAG



REFILL RE-USEABLE BOTTLES



SAY NO TO SINGLE USE CUTLERY



SAY NO TO PLASTIC BAGS



USE RE-USEABLE TIPPIN BOXES

Plastic Waste Management in Uttarakhand
Single Use Plastic Ban and Extended Producer Responsibility
Road Map and Way Forward
Uttarakhand Pollution Control Board
February 17, 2023

www.uttarakhand.gov.in








Single Use Item

- plastic water bottles
- plastic ice cube trays
- plastic containers





Alternative

- stainless steel water bottles
- silicone ice cube trays
- mason jars

Plastic Waste Management in Uttarakhand
Single Use Plastic Ban and Extended Producer Responsibility
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Wooden Stirrer



Plastic Waste Management In Uttarakhand
Single Use Plastic Ban and Extended Producer Responsibility
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Uttarakhand Pollution Control Board
February 17, 2023

Single-use Plastic knife



www.uttarakhand.gov.in


इकोलॉजी और इकोनॉमी में संतुलन बनाकर आगे बढ़ें: धामी

आपको पता है कि प्लांट को प्लान्ट स्टार्ट-अप प्लान्ट को स्टार्ट करने के प्लान्ट को प्रोत्साहन देगी सरकार

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है। तब तो (अर्थात्) हमें ही सुझाव है कि
हमारे ही अर्थव्यवस्था में विविधता लाएँ
और विविधता लाते ही तब सुझाव है।

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उद्योगियों ने छोटे उद्योगों के लिए ईंधन खर्च से छूट मांगी

ईपीआर पंजीकरण में उत्तराखण्ड अग्रे
 उत्तराखण्ड में पंजीकरण प्रणाली में उत्तराखण्ड की ही पहिलगी
 पंजीकरण की जानकारी को ही इंटरनेट में उपलब्ध कराने में
 उत्तराखण्ड सरकार, ईपीआर की प्रणालीगत में उत्तराखण्ड की पहिलगी
 2014-15 में पंजीकरण प्रणालीगत में उत्तराखण्ड की पहिलगी
 2014-15 में पंजीकरण प्रणालीगत में उत्तराखण्ड की पहिलगी

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महर्षि रामानन्द कावर्षी

मंत्रि की वन विभाग को आम
लोगों से जुड़ने की नसीहत

नमर मिखायल खास क्षेत्र
मे दास रहे कुकर: मिखायल

अजयत अपराधों से और कम जमानत से फरार हो...

कचरे को सिर्फ कचरा न समझें

■ मुख्यमंत्री ने किया प्रदूषण नियंत्रण बोर्ड की प्लास्टिक वेस्ट मैनेजमेंट कार्यशाला को संबोधित

■ कल-उत्तराखण्ड में वेस्ट दू
वैल्य और वेस्ट दू एनर्जी
पर काम करने की जल्दत

उद्योग इसकाई द्वारा ईपीआर
रजिस्ट्रेशन के संबंध में
उत्तर भारत में उत्तराखण्ड
वर्तमान में अग्रणी

■ महाराष्ट्र न्यूज ब्यूरो
देखादत ।

मुकुन्दजी पुष्कर सिंह धामी ने कहा कि
आमराजगढ़ में वोट दूँ वैसे और वोट दूँ
सर्वो की दिशा में काम करने का समय आ
जा रहा है और हम सबको मिलकर इसमें काम
कराया है। उन्होंने कहा कि अब सर्वोत्तम
कोणों का बालोटेत आ चुका है, जो कार्य
समय को काम करने की दिशा में अग्रग
णीक होगा।

मुम्बई के शहरों को आईटी पार्क
देखाने के लिए देवी पर्यटन भवन
वसन्तपुर प्रदूषण नियंत्रण बोर्ड द्वारा
आयोजित प्लास्टिक वेस्ट मैनजमेंट
कार्पोरेशन को संबोधित कर रहे थे। उन्होंने



टीप: या पत्राली वेबदृष्टीसाठी पत्रांत, कार्याभित्तु (ईमेल) वा संपुञ्जत पत्र पत्राभित्तु वेबदृष्टीसाठी वा अत्राभित्तु संपुञ्जत वा लीकेशन अत्रांत संपुञ्जत।

यहां कि कबरे को सिकि कंधा न समझ बा
एक संस्थापन के लौर पर देखने क
आवश्यकता है। इससे अम-ल्लेगों के
आजीविका के सब-सब रोजगार के अनेक
अवसर उपलब्ध होगे।

इस अवसर पर उन्होंने राज्य की परंपरा और संस्कृति के प्रति गहरी समझ और सम्मान व्यक्त किया। उन्होंने राज्य की परंपरा और संस्कृति के प्रति गहरी समझ और सम्मान व्यक्त किया।

उन्होंने कहा कि आज हमारे पास
उद्योगों, होटलों, रेस्टोरेंट, प्रीमियम
निकलने वाला प्लसटिक वेस्ट हमारे लिए
बहुत बड़ी समस्या बन गया है। इस समस्या

सिस्टने के लिए हमें आधुनिक तकनीकें
पर्याप्तिक करने के विद्यमान तकनीकें
विशेषज्ञ बनने की दिशा में आगे बढ़ना
सिस्टनेल बनने की आवश्यकता है। सिस्टने
मूल पर्याप्तिक को हमारे जीवन की इच्छाओं
में बदल करने की दिशा में हम अपने
आधुनिक रूप से अधिक गहरा होने की

मुद्रामयत्री ने कहा कि प्रदूषण नियंत्रण बोर्ड द्वारा प्लैमिटिक उत्पत्ति से संबंधित उद्योग/एकर्स द्वारा ईथेनल रजिस्ट्रेशन के

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WORKSHOP MEDIA COVERAGE

कूड़े को कमाई का जरिया बनाने की दिशा में आगे बढ़ेगा उत्तराखंड : सीएम

आईटी पार्क में गौरा देवी पर्यावरण भवन में पौसीबी की कार्यशाला में बोले धामी

देहरादून। मुख्यमंत्री पुष्कर सिंह धामी ने कहा कि उत्तराखंड कूड़े के कमाई की दिशा में आगे बढ़ेगा। इसमें ईंधन, अतिरिक्तियों को कैंबर टूट के रूप में और कैंबर टूट के रूप में कैंबर को कैंबर के रूप में इस्तेमाल होगा।

मुख्यमंत्री धामी मुख्यमंत्री की अध्यक्षता में उत्तराखंड प्रमुख निदेशन बोर्ड की ओर से आयोजित पर्यावरण कैंबर के रूप में उपयोग के बारे में बोले थे। उन्होंने राज्य की कैंबर कैंबर टूट के रूप में कैंबर, कैंबर टूट के रूप में कैंबर और पर्यावरण कैंबर के रूप में उपयोग के बारे में बोले थे। उन्होंने राज्य की कैंबर कैंबर टूट के रूप में कैंबर, कैंबर टूट के रूप में कैंबर और पर्यावरण कैंबर के रूप में उपयोग के बारे में बोले थे।



उत्तराखंड का मुख्यमंत्री पुष्कर सिंह धामी।

उत्तराखंड का मुख्यमंत्री पुष्कर सिंह धामी ने कहा कि उत्तराखंड कूड़े के कमाई की दिशा में आगे बढ़ेगा। इसमें ईंधन, अतिरिक्तियों को कैंबर टूट के रूप में और कैंबर टूट के रूप में कैंबर को कैंबर के रूप में इस्तेमाल होगा।

ईंधन और कैंबर टूट के रूप में

मुख्यमंत्री ने कहा कि उत्तराखंड कूड़े के कमाई की दिशा में आगे बढ़ेगा। इसमें ईंधन, अतिरिक्तियों को कैंबर टूट के रूप में और कैंबर टूट के रूप में कैंबर को कैंबर के रूप में इस्तेमाल होगा।

उत्तराखंड का मुख्यमंत्री पुष्कर सिंह धामी ने कहा कि उत्तराखंड कूड़े के कमाई की दिशा में आगे बढ़ेगा। इसमें ईंधन, अतिरिक्तियों को कैंबर टूट के रूप में और कैंबर टूट के रूप में कैंबर को कैंबर के रूप में इस्तेमाल होगा।

सिंगल यूज प्लास्टिक को बाहर करने की जरूरत

प्रदूषण नियंत्रण बोर्ड की प्लास्टिक वेस्ट मैनेजमेंट कार्यशाला में बोले मुख्यमंत्री पुष्कर सिंह धामी

देहरादून। मुख्यमंत्री पुष्कर सिंह धामी ने कहा कि उत्तराखंड कूड़े के कमाई की दिशा में आगे बढ़ेगा। इसमें ईंधन, अतिरिक्तियों को कैंबर टूट के रूप में और कैंबर टूट के रूप में कैंबर को कैंबर के रूप में इस्तेमाल होगा।



उत्तराखंड का मुख्यमंत्री पुष्कर सिंह धामी।

उत्तराखंड का मुख्यमंत्री पुष्कर सिंह धामी ने कहा कि उत्तराखंड कूड़े के कमाई की दिशा में आगे बढ़ेगा। इसमें ईंधन, अतिरिक्तियों को कैंबर टूट के रूप में और कैंबर टूट के रूप में कैंबर को कैंबर के रूप में इस्तेमाल होगा।

उत्तराखंड का मुख्यमंत्री पुष्कर सिंह धामी ने कहा कि उत्तराखंड कूड़े के कमाई की दिशा में आगे बढ़ेगा। इसमें ईंधन, अतिरिक्तियों को कैंबर टूट के रूप में और कैंबर टूट के रूप में कैंबर को कैंबर के रूप में इस्तेमाल होगा।

WORKSHOP MEDIA COVERAGE

Garhwal Post

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CM stresses on waste recycling, eliminating single use plastic

By OUR STAFF REPORTER

DEHRADUN, 17 Feb: Chief Minister Pushkar Singh Dhami addressed a workshop on plastic waste management organised by the Uttarakhand Pollution Control Board at Gaura Devi Paryavaran Bhawan, IT Park, here, today.

On this occasion, he also inaugurated the state's first waste-to-energy plant in Kashipur and a short film based on plastic waste management. The Chief Minister also visited the state based on plastic waste management at the workshop.

Addressing the workshop, Dhami said that discussion regarding the solution to the challenges caused by plastic pollution during the workshop should definitely generate efforts in improving the standard and condition of the environment in the state. He



said that, at present, the plastic waste coming out of the homes, industries, hotels, restaurants

and establishments has become a big challenge for everyone concerned. To deal with this

challenge, there is a need to harness these wastes and sensitive towards developing

plastic waste recycling technology. (Photo: news page... 3)

Technical solutions needed to tackle challenge posed by plastic waste: Dhami

CM calls for working on concept of waste to wealth & energy

PNB ■ DEHRADUN

Chief minister Pushkar Singh Dhami said that plastic waste generated from homes, industries, hotels, restaurants and other establishments has become a very big challenge. He stressed on the need for becoming aware and sensitive towards developing modern plastic waste recycling techniques to overcome this challenge. The CM also said that it is now time to work on the concepts of waste to wealth and waste to energy. Dhami also stressed on the need for more seriousness at the collective level to remove single use plastic from lifestyle usage. The CM said this while addressing a workshop on plastic waste management organised by the Uttarakhand Environment Protection and Pollution Control Board (UEPPCB) here on Friday. He also virtually inaugurated the State's first waste-to-energy plant, Kashipur unit and released a short film

on plastic waste management.

He appreciated the UEPPCB for EPR registration of industries and units linked to plastic production, stating that Uttarakhand is leading on this front in north India. "The time has come for work on waste to wealth and waste to energy in Uttarakhand. The concept of a circular economy will also help in reducing carbon emissions. There is a need for viewing waste not just as garbage but as a resource as it will also provide livelihood to common people while also generating employment opportu-



nities. Many startups in the nation are coming forward with new techniques and products in this direction," said Dhami. He said that Prime Minister Narendra Modi had sent a message on awareness on environment protection to the global community by initiating

programmes like the Swachh Bharat Mission, construction of toilets and Narmada Ganga mission. The campaign to remove plastic half gained impetus through Swachh Bharat Mission and other sanitation programmes, said the CM. Referring to Mission Life started under PM Modi, he said that this initiative is connected to every person's life. The major challenge of environmental pollution can be tackled and the planet can be saved from a big threat if people make even small changes in their lifestyle, added Dhami.

Principal secretary RK Sudhanshu, Environment director SP Subodhi, UEPPCB member secretary Sushant Pantak, Environment joint director Pankaj, Manoj Tripathy and others were also present on the occasion.



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