



Report on Awareness and Capacity Building Program on E-Waste and Circular Economy



Awareness and Capacity Building Programme On E- Waste and Circular Economy

Awareness and Capacity Building Programme On E- Waste and Circular Economy

on Tuesday 4th Feb, 2020

on Tuesday 4th Feb, 2020

at Conference Hall
NITTTR
Chandigarh

at Conference Hall
Municipal Corporation
Chandigarh



Organized by

Organized by

National Institute of Technical
Teachers Training & Research
Sector 26, Chandigarh

Municipal Corporation Chandigarh

Association of Professional Social Workers
& Development Practitioners (APSWDP) Chandigarh
(Association in Special Consultative Status with the
Economic and Social Council of the United Nations)

Association of Professional Social Workers
& Development Practitioners (APSWDP) Chandigarh
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Report on Awareness and Capacity Building Program on E-Waste and Circular Economy



Background

Electronic industry is the world's largest and innovative industry for its kind. Every year tones of electronic items are shipped over oceans, however after their usage time they are become a complex waste matter which consist of electrical and electronic equipment. Waste Electrical and Electronic Equipment (WEEE) is becoming major threat to the whole world. Its toxic emissions mixed with virgin soil and air and causing harmful effects to the entire biota either directly or indirectly. Direct impacts include release of acids, toxic compounds including heavy metals, carcinogenic chemicals and indirect effects such as bio magnification of heavy metals. Many private firms are involved in collecting, dismantling, separation and exporting e-wastes for recyclers. Most of toxic materials such as leaded glass, circuit boards and mercury lamps usually exported to countries like India. Dismantling process not only involve in unscrewing but also shredding, tearing and burning. The smoke and dust particles consists of carcinogens and other hazardous chemicals which causes severe inflammation and lesions including many respiratory and skin diseases.

The circular economy aims to change the paradigm in relation to the linear economy, by limiting the environmental impact and waste of resources, as well as increasing efficiency at all stages of the product economy. The model circular economy fits directly into the more general framework of sustainable development. It is part of a global strategy that also uses, among other things, the principles of the green economy, industrial ecology, eco-design or the economy of functionality.

Association of Professional Social Workers and Development Practitioners (APSWDP) organized the awareness sessions on **E-Waste and Circular Economy** on **04th February 2020** in collaboration with Municipal Corporation, Chandigarh in which 78 officials participated working under Sawachh Bharat Mission and National Urban Livelihood Mission.

Similar awareness sessions was also organized on the same day by APSWDP in association with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh at their campus, in which 71 faculty members and students actively participated there by enabling them for building their capacities and transforming them into formal micro entrepreneurs.

The major topics covered in the program are as under:

- E-Waste in India (Covering numbers/ statistics, Kind of systems in place etc.)
- Social Impact start-up E(co)Work (Achieving bottom line impact, current challenges)
- Introduction to the research group at EMPA (Discussion regarding their projects on batteries and sustainable recycling)



1. National Institute of Teachers Training and Research Sector 26, Chandigarh

Minute-to-Minute schedule of programs at NITTTR, Sector 26, Chandigarh

Time	Program Flow	Concerned Person
09:45 am - 10:00 am	Registration	NITTTR & APSWDP Volunteers
10:00 am - 10:05 am	Welcome Address & Significance of the Topic	Prof. P.K. Singla Faculty In charge Administration, NITTTR
10:05 am - 10:07 am	APSWDP Introduction	Mr. Hitesh Kumar Gulati Director - Policy & Administration, APSWDP
10:07 am - 10:10 am	Introduction of Ms. Andrea Wehrli Keynote Speaker Expert, E-Waste Management	Dr. Sumit Arora Chairperson - Executive Committee, APSWDP
10:10 am - 10:45 am	Awareness & Capacity Building Presentation on E-Waste & Circular Economy	Ms. Andrea Wehrli Keynote Speaker Expert, E-Waste Management
10:45 am - 10:50 am	Open House/ Question & Answers	
10:50 am to 10:52 am	Token of Thanks to Ms. Andrea Wehrli Keynote Speaker Expert, E-Waste Management	Prof. P.K. Singla, NITTTR and Dr. Sumit Arora, APSWDP
10:52 am to 10:55 am	Program Feedback Form	Mr. Hitesh Kumar Gulati Director - Policy & Administration
10:55 am to 11:00 am	Concluding Remarks & Vote of Thanks	Dr. Sumit Arora Chairperson - Executive Committee, APSWDP



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Highlights of The Event at NITTTR, Sector 26, Chandigarh





2. Municipal Corporation, Chandigarh

Minute-to-Minute schedule of programs at Municipal Corporation, Chandigarh

Time	Program Flow	Concerned Person
11:45 am - 12 Noon	Registration	MCC & APSWDP Volunteers
12 Noon - 12:05 pm	Welcome Address & Significance of the programme	Mr. Vivek Trivedi Social Development Officer, Municipal Corporation, Chandigarh
12:05 pm - 12:07 pm	APSWDP Introduction	Mr. Hitesh Kumar Gulati Director - Policy & Administration, APSWDP
12:07 pm - 12:10 pm	Introduction of Ms. Andrea Wehrli Keynote Speaker Expert, E-Waste Management	Mr. Vivek Trivedi Social Development Officer, Municipal Corporation, Chandigarh
12:10 pm - 12:45 pm	Awareness & Capacity Building Presentation on E-Waste & Circular Economy	Ms. Andrea Wehrli Keynote Speaker Expert, E-Waste Management
12:45 pm - 12:50 pm	Open House/ Question & Answers	
12:50 pm to 12:52 pm	Token of Thanks to Ms. Andrea Wehrli Keynote Speaker Expert, E-Waste Management	Mr. Shaileder Singh, Chief Engineer, Municipal Corporation Chandigarh
12:52 pm to 12:55 pm	Program Feedback Form	Mr. Hitesh Kumar Gulati Director - Policy & Administration
12:55 pm to 01:00 pm	Concluding Remarks & Vote of Thanks	Dr. Sumit Arora Chairperson - Executive Committee, APSWDP



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Highlights Of The Event at Municipal Corporation, Chandigarh



Ms. Dea Andrea Wehrli of E[co] work Association and Empa, Switzerland, an environmentalist and e-waste recycling expert, shared her views through a power point presentation during the awareness session at NITTR and Municipal Corporation Chandigarh. The expert emphasized the solution by way of identifying informal waste sector and adopting sustainable social inclusive business model, which is the need of the hour, she added.



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Mr. Hitesh Gulati, Director Policy and Administration, APSWDP shared during the both the sessions that there is need for greater involvement and mobilization of civil society organizations working at grass root level and informal groups too i.e. Self Help Groups (SHGs) of Kabadi walas (Junk Dealer) for their capacity and knowledge building in coming forward for collecting, dismantling, separation & recycling of the electronic waste. He seconded Ms. Andrea for involving informal communities and sectors by urban local bodies under their national missions like Swachh Bharat Mission and DAY-NULM. He also urged, academicians at NITTR for coming forward in taking up awareness and capacity building programme for key stakeholders and extend support in making knowledge transfer to informal sector in easy and simple manner.



Conclusive Session:



In concluding remarks **Dr. Sumit Arora, APSWDP** by emphasizing on Humankind's insatiable demand for electronic devices which is creating the world's fastest-growing waste stream. Some forms are growing exponentially. While more electronic devices are part of the problem, they also can be a big part of the solution. He also added that more digital and connected world would help us accelerate progress towards the United Nations Sustainable Development Goals (SDGs), offering exceptional opportunities for emerging economies. Extending the life of electronic products and re-using electrical components brings an even larger economic benefit, as working devices are certainly worth more than the materials they contain. A circular electronics system - one in which resources are not extracted, used and wasted, but re-used in countless ways - creates decent, sustainable jobs and retains more value in the industry, in addition to



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protection of environment and oceans. He also shared that only 20% of global e-waste is formally recycled and the remaining 80% is often incinerated or dumped in landfill. Already 67 countries have enacted legislation to deal with the e-waste they generate. Apple, Google, Samsung and many other brands have set ambitious targets for recycling and for the use of recycled and renewable materials. Mr. Sumit said his concluding remarks by emphasising on the view that entrepreneurs, investors, academics, businessman, leaders, and lawmakers will all be needed to make the circular economy work. Innovative business and reverse supply chain models, circular designs, safety for e-waste collectors and ways of formalizing and empowering informal e-waste workers are all part of the picture. Action is needed now.

He thanked Prof. S.S. Pattnaik, Director, NITTTTR, Chandigarh; Prof. P.K. Singla, Faculty In-Charge Administration; Mr. K K Yadav, Commissioner, Mr. Shailender Singh, Chief Engineer, Municipal Corporation Chandigarh, Ms. Rekha Trivedi, Secretary General, APSWDP, for their mentoring, guidance, persuasive vision, an inclusive planning, relentless execution, and the entire organizing team of NITTTTR, and Municipal Corporation Chandigarh including Dr. Sanjay Kumar Sharma and Dr. Meenakshi Sood; Mr. Vivek Trivedi, Ms Ishita Whadahwan, Mr, Abander Singh Mr. Rajiv; for creating synergy under their able leadership.

The thought process, directions and precise execution of the plans by a Leader always make the organization and team to deliver as per the targeted outcomes.

On this occasion we again remember a quote by Vince Lombardi - **"Individual commitment to a group effort - that is what makes a team work, a company work, a society work, a civilization work."**





Media Coverage of the Event

एमसीसी में आयोजित ई-कचरा और परिपत्र अर्थव्यवस्था पर कार्यशाला

चंडीगढ़, 4 फरवरी (अमित) : एसोसिएशन ऑफ प्रोफेशनल सोशल वर्कर्स एंड डिवेलपमेंट प्रैक्टिशनर्स चंडीगढ़ द्वारा ई-वेस्ट एंड सर्कुलर इकोनॉमी पर मंगलवार को यहां नगर निगम के साथ स्वच्छ भारत मिशन और राष्ट्रीय शहरी आजीविका मिशन (डीएवाई) की साझेदारी में एक क्षमता निर्माण प्रशिक्षण कार्यक्रम आयोजित किया गया।

सत्र की अध्यक्षता डी एंड्रिया वेहरली से ई [सह] काम एसोसिएशन और एम्मा, स्विट्जरलैंड, एक पर्यावरणविद् और ई-वेस्ट रिसाइकलिंग विशेषज्ञ ने की। सत्र के दौरान उन्होंने अनौपचारिक

● अनौपचारिक अपशिष्ट क्षेत्र की पहचान करने के तरीके से समाधान पर जोर दिया

पहचान करने के तरीके से समाधान पर जोर दिया।

उन्होंने कहा कि स्थायी सामाजिक समावेशी व्यवसाय मॉडल को अपनाना समय की जरूरत है। जागरूकता कार्यक्रम में नगर निगम के 78 अधिकारियों और कर्मचारियों के साथ-साथ शहर के नागरिक समाज और युवा संगठनों ने भाग लिया। इस अवसर पर निगम के मुख्यअभियंता शैलेंद्र सिंह, विवेक त्रिवेदी, सुमित अरोड़ा, एपीएसडब्ल्यूडीपी से हितेश गुलाटी



Workshop on e-waste held

Chandigarh, February 4

A capacity building training programme on e-waste and circular economy was organised by the Association of Professional Social Workers and Development Practitioners here today.

The programme was organised in partnership with the MC under the Swachh Bharat Mission and the DAY National Urban Livelihood Mission.

Dea Andrea Wehrli of E[co]work Association and Empa, Switzerland, an environmentalist and e-waste recycling expert, presided over the session. The expert emphasised the solutions by way of identifying informal waste sector. Adopting sustainable social inclusive business model was the need of the hour, she added.

As many as 78 officials and staff of the MC, along with city residents, attended the event.

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अमर उजाला

न्यूज डायरी

आज नहीं जागे तो कल ई-वेस्ट का पहाड़ खड़ा होगा : वेहरली



चंडीगढ़। नगर निगम में मंगलवार को ई-वेस्ट को लेकर एक कार्यशाला का आयोजन किया गया। इस मौके पर स्विट्जरलैंड से आई ई-वेस्ट रिसाइकलिंग विशेषज्ञ डीआ एंड्रिया वेहरली ने निगम की विभिन्न विंगों में काम करने वाले कर्मचारियों को जागरूक किया। उन्होंने कहा कि आज हम नहीं जागे तो कचरे की जगह कल ई-वेस्ट के पहाड़ खड़े दिखेंगे। स्विट्जरलैंड में उन्होंने ई-वेस्ट के निस्तारण व रिसाइकल को लेकर काफी काम किया है। वर्तमान में वह मुंबई में इसे लेकर काम कर रही हैं। ऑफिस या घरों से निकलने वाले ई-वेस्ट जैसे बैट्रियां व अन्य उपकरणों का बेहतर रिसाइकल और उनका निस्तारण करना जरूरी है, नहीं तो हमें सुविधा देने वाले उपकरण हमारे लिए ही घातक बन जाएंगे। इस मौके पर निगम के 78 कर्मचारियों ने भाग लिया। वहीं चीफ इंजीनियर शैलेंद्र सिंह, एसडीओ डॉ. सुमित अरोड़ा, एपीएसडब्ल्यूडीपी से हितेश गुलाटी आदि भी मौजूद रहे।



नगर निगम में ई-वेस्ट पर वर्कशॉप में मौजूद (दाएं से तीसरे से) सजीव कुमार, चीफ इंजीनियर शैलेंद्र सिंह, डी एंड्रिया वेहरली, विवेक त्रिवेदी, एपीएसडब्ल्यूडीपी से हितेश गुलाटी

ई-वेस्ट की वर्कशॉप में कर्मियों को बताया कैसे करें वेस्ट को सेग्रीगेट

जारा, चंडीगढ़ : ई वेस्ट पर मंगलवार को नगर निगम में वर्कशॉप का आयोजन किया गया। इसका आयोजन एसोसिएशन ऑफ प्रोफेशनल सोशल वर्कर्स एंड डिवेलपमेंट प्रैक्टिशनर्स की ओर से किया गया। इस वर्कशॉप में कर्मचारियों को बताया गया कि ई वेस्ट को भी सेग्रीगेट किया जाना चाहिए। स्वच्छ भारत मिशन के तहत ई वेस्ट अलग इकट्ठा होना चाहिए। इस मौके पर स्विट्जरलैंड से पर्यावरण विशेषज्ञ

डी एंड्रिया वेहरली ने मुख्य प्रवक्ता के तौर पर भाग लिया। उन्होंने कर्मचारियों को बताया कि ई वेस्ट के तहत कौन कौन सा सामान आता है। इस वर्कशॉप में 79 अधिकारियों ने भाग लिया। अधिकारियों को शहरवासियों को जागरूक करने के लिए कहा गया। इस मौके पर चीफ इंजीनियर शैलेंद्र सिंह, विवेक त्रिवेदी, डॉ. सुमित अरोड़ा और हितेश गुलाटी ने भी भाग लिया।

पंजाबी कविताओं से महका रंधावा उत्सव

जारा, चंडीगढ़ : पंजाबी लोक गीत और कविताएं। मंगलवार को पंजाब कला भवन-16 में डॉ. एमएस रंधावा उत्सव में लोक गीत और कविता गोष्ठी का आयोजन किया गया। कार्यक्रम की शुरुआत चरण सिंह और उनके साथियों ने लोक कवि आसाराम बैदवान द्वारा रचित किस्से से की। इसके बाद शाम को कवि दरबार का आयोजन किया गया। जिसमें डॉ. सुरजीत पातर ने प्रधानगी को।



Workshop on e-waste held

CHANDIGARH, FEBRUARY 4

A capacity building training programme on e-waste and circular economy was organised by the Association of Professional Social Workers and Development Practitioners here today.

The programme was organised in partnership with the MC under the Swachh Bharat Mission and the DAY National Urban Livelihood Mission.

Dea Andrea Wehrli of E[co]work Association and Empa, Switzerland, an environmentalist and e-waste recycling expert, presided over the session. The expert emphasised the solutions by way of identifying informal waste sector. Adopting sustainable social inclusive business model was the need of the hour, she added.

As many as 78 officials and staff of the MC, along with city residents, attended the event.

TNS
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नगर निगम में ई-कचरा व परिपत्र अर्थव्यवस्था पर कार्यशाला

चंडीगढ़ 4 फरवरी (पठानिया) : एसोसिएशन ऑफ प्रोफेशनल सोशल वर्कर्स एंड डेवलपमेंट प्रैक्टिशनर्स चंडीगढ़ द्वारा ई-वेस्ट एंड सर्कुलर इकोनॉमी पर आज यहाँ नगर निगम, चंडीगढ़ के साथ स्वच्छ भारत मिशन और डे की साझेदारी में एक क्षमता निर्माण प्रशिक्षण कार्यक्रम आयोजित किया गया। डी. एंड्रिया वेहरली से ई (को) वर्क एसोसिएशन और एम्पा, स्विट्जरलैंड, एक पर्यावरणविद और ई-वेस्ट रिसाइकलिंग विशेषज्ञ ने सत्र लिया। सत्र के दौरान, उन्होंने अनौपचारिक अपशिष्ट क्षेत्र की पहचान करने के तरीके से समाधान पर जोर दिया, उन्हें अपनी क्षमताओं के निर्माण और उन्हें औपचारिक सूक्ष्म उद्यमियों में बदलने के तरीके से सक्षम किया। उन्होंने कहा कि स्थायी सामाजिक समावेशी व्यवसाय मॉडल को अपनाना समय की जरूरत है। जागरूकता कार्यक्रम में नगर निगम के 78 अधिकारियों और कर्मचारियों के साथ-साथ शहर के नागरिक समाज और युवा संगठनों ने भाग लिया।

क सहभाग्य इस करवाया जा रहा। इस आर इम्पूव किया जा सक।

ई-कचरा वर्कशॉप आयोजित

चंडीगढ़, 4 फरवरी (राय): एसोसिएशन ऑफ प्रोफेशनल सोशल वर्कर्स एंड डेवलपमेंट प्रैक्टिशनर्स चंडीगढ़ द्वारा 'ई-वेस्ट एंड सर्कुलर इकोनॉमी' पर मंगलवार को नगर निगम के साथ स्वच्छ भारत मिशन और डे की साझेदारी में एक क्षमता निर्माण प्रशिक्षण कार्यक्रम आयोजित किया गया। डी. एंड्रिया वेहरली एसोसिएशन और एम्पा, स्विट्जरलैंड, पर्यावरणविद और ई-वेस्ट रिसाइकलिंग विशेषज्ञ ने सत्र लिया।

उन्होंने अनौपचारिक अपशिष्ट क्षेत्र की पहचान करने के तरीके से समाधान पर जोर दिया, उन्हें अपनी क्षमताओं के निर्माण और उन्हें औपचारिक सूक्ष्म उद्यमियों में बदलने के तरीके से सक्षम किया। स्थायी सामाजिक समावेशी व्यवसाय मॉडल को अपनाना समय की जरूरत है।

जागरूकता कार्यक्रम में नगर निगम के 78 अधिकारियों और कर्मचारियों के साथ-साथ शहर के नागरिक समाज और युवा संगठनों ने भाग लिया।

टक का मंचन

पंजाब केसरी
ई-पेपर Wed, 05 February 2020
https://epaper.punjabkesari.in/c/48



Workshop on e-waste and circular economy organised



PUNJAB EXPRESS BUREAU
Chandigarh, February 4

Capacity-building training programme was organised by the association of professional social workers and development practitioners (APSWDP) Chandigarh on "E-Waste and Circular Economy"

on Tuesday in partnership with Municipal Corporation, Chandigarh under Swachh Bharat Mission and DAY National Urban Livelihood Mission.

Dea Andrea Wehrli from E[co]work Association and Empa, Switzerland, an environmentalist

and E-Waste recycling expert took the session. During the session, she emphasized on the solutions by the way of identifying the informal waste sector, enabling them by the way of building their capacities and transforming them into formal micro-entrepreneurs. Adopting sustainable social inclusive business models is the need of the hour, she added.

The awareness programme was attended by 78 officials and staff of Municipal Corporation along with participation from civil society and youth organizations from the city. Shailender Singh, Chief Engineer, Vivek Trivedi, SDO, Dr. Sumit Arora, Hitesh Gulati from APSWDP were prominently present on the occasion.



Report on Awareness and Capacity Building Program on E-Waste and Circular Economy



Programme Convener:

- Prof. P. K. Singla, NITTR
- Dr. Sumit Arora, APSWDP
- Mr. Hitesh Gulati, APSWDP
- Mr. Vivek Trivedi, Municipal Corporation Chandigarh

Programme Co-Convener:

- Mr. Rajeev Chaudhary, APSWDP
- Mr. Abandher Singh, Municipal Corporation Chandigarh
- Ms. Ishita Wadhawan, Municipal Corporation Chandigarh

Association of Professional Social Workers and Development Practitioners (APSWDP) (Regd.)
Association in Special Consultative Status with UN Economic and Social Council (ECOSOC) since 2019
Affiliated with Department of Global Communications (DGC) of United Nations
Affiliated with NITI Ayog (Former Planning Commission of India)

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