



Toxics Link
for a toxics-free world



WBPCB

E-WASTE AWARENESS WORKSHOP- RESPONSIBILITY OF BULK CONSUMERS

Government Departments

19th September 2012

AUDITORIUM, PARIBESH BHAWAN, SALT LAKE, KOLKATA

Organised By

WEST BENGAL POLLUTION CONTROL BOARD

&

TOXICS LINK

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH



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**WORKSHOP SERIES
ON
E-WASTE MANAGEMENT & HANDLING RULES, 2011**

INTRODUCTION

Toxics Link has been organizing a series of workshop to create awareness among the bulk consumers on E-waste (Management and Handling) Rules, 2011. The fourth workshop of the series was organized by Toxics Link, in collaboration with West Bengal Pollution Control Board (WBPCB), on 19th September 2012 at the Auditorium of Paribesh Bhawan. These workshops are being organized under European Commission sponsored project on Establishing E-Waste Channels to Enhance Environment Friendly Recycling (WEEE Recycle). The workshop was organized for all the central & state government departments and saw a good turnout from the representative sector. The objectives of organizing the workshop are detailed below.

OBJECTIVES OF THE WORKSHOP

The objectives of this workshop were:

- To inform the participants about the new E-waste Handling & Management Rules, 2011 and the responsibilities of bulk generators.
- To inform about WEEE Recycle project & its deliverables
- To discuss on the best strategies for establishing clean and regulated e-waste recycling channels.

PROGRAMME PROCEEDINGS

1. Inaugural Session

Welcome Address: Sri Sandipan Mukherjee, Member Secretary, WBPCB

Sri Sandipan Mukherjee, Member Secretary, WBPCB delivered the welcome address. Welcoming the participants, he shared the objectives of conducting this workshop. He mentioned that deliberations from this workshop would help in identifying achievable steps for proper implementation of the new E-waste Handling & Management Rules, 2011. He thanked Toxics Link for taking such an initiative to and expressed hope that the forum will be used for a fruitful discussion on establishing clean and regulated e-waste recycling channels. He also thanked the representatives of all the government departments who had participated in the workshop for their attendance.

Introductory Speech: Prof. Binay K. Dutta, Chairperson, WBPCB

In the introductory speech, Prof. Binay K. Dutta, Chairperson, WBPCB focussed on the fast changing nature of wastes and addition of this new toxic waste called E-waste. In India, the rules have become effective from this May, but the problem is lack of awareness about the Rules among stakeholders. Effective mechanism is required for percolating the information to different levels. He mentioned the roles & responsibilities of Pollution Control Board & other socio-developmental organizations in regards to making the society aware of these rules. He mentioned that through this kind of workshops manufacturers or generators of e-wastes will become more aware about the rules. He informed the participants that few organization having the dismantling units in the state have already been approached to WBPCB for authorization. Prof. Dutta requested the representatives of government departments to follow the guidelines of the rules to avoid creation of environmental pollution. He also requested them to put bins at their respective offices for collection of e-wastes generated by the departments as well as personal products of the employee. He expressed hope that the representatives present in the workshop will disseminate the information related to e-waste rules among other people.

Speech: Prof. N. Bandhyopadhyaya, Advisor, WBPCB

Prof. N. Bandyopadhyaya, Advisor, WBPCB introduced the issue of E-waste and growing usage of Electronics in every sector and expressed hope that the new e-waste rules will also be implemented effectively in our country.

Speech: Mr. R. C. Dutta, Director/Chief Inspector of Factories, Govt. of West Bengal

In his speech, Mr. R. C. Dutta, Director/Chief Inspector of Factories, Govt. of West Bengal informed that he will disseminate the information related to e-waste rules among others and will tell them to contact WBPCB in this regard.

Objective of the Workshop: Mr. Brajesh Singh, Project Coordinator, Toxics Link

Mr. Brajesh Singh, Project Coordinator, Toxics Link shared the objectives of conducting this workshop. He mentioned that people do not give attention to the environmental problems at the early stages. Therefore these problems take a huge shape with the passage of time. E-waste problems could be tackled at the early stage to avoid the creation of environmental pollution. He thanked all the participants for sparing their valuable time to know about the e-waste rules and also WBPCB for extending their support to organize this workshop.

Presentation on Overview & Initiatives of WEEE Recycle Project: Mr. Lalit Sharma, Technical Advisor, GIZ

Mr. Lalit Sharma, Technical Advisor, GIZ began his presentation by sharing information about activities of GIZ. He shared about the challenges the project faced in the beginning. He mentioned that e-wastes are being processed in such a way which is not environment friendly. 95% of e-waste recycling has been undertaken by the informal sector in our country. He presented some figures to show that in comparison to quantity of annual potential e-waste generation in the country, quantity of e-waste processed is almost negligible.

Mr. Sharma, then stressed on the WEEE Recycle project & its impacts. He shared about how through this project informal sectors have been supported to become a formalized one. He also mentioned about the project's emphasis on policy dialogue, research & development, capacity building of stakeholders, formation of association of informal e-waste collectors, dismantler or recyclers.

2. Technical Session

Presentation on E-waste Handling & Management Rules 2011: By Mr. S. K. Adhikari, Sr. Engineer, WBPCB

Mr. Adhikari's presentation began with what is e-waste, types and composition of e-waste. He described the concerns about e-waste, scenario of e-waste in Kolkata, its main sources etc. He shared findings of the study that was conducted on e-waste in Kolkata by WBPCB, which quantified annual e-waste generation in Kolkata to be around 26,000 tons.

He then elaborated on E-waste Handling & Management Rules, 2011. He explained the features of the rule, responsibilities of manufactures, consumers, recyclers etc in detail. He stressed on the fact that all bulk consumers should dispose e-waste only to authorized recyclers and maintain records of all e-waste disposed. In discussing the rule he cited the example of electronic manufacturers who are showing some interest in setting up collection/recycling centres. Under the Rule under the provisions of Extended Producers Responsibility (EPR) it is now mandatory for producers to take back the goods that they sell in market.

Presentation - "Why Recycle E-waste": Ms Monalisa Datta, Project Manager, Toxics Link

Ms Monalisa Datta, Project Manager, Toxics Link, in her presentation focussed on the importance of e-waste recycling & the existing scenario of e-waste recycling in India. She spoke about the environmental hazards caused due to the presence of toxic materials like lead, mercury, cadmium, barium, beryllium, brominated flame retardant etc in E-waste and the resource recovery opportunities due to the presence of precious metals.

Ms Datta also mentioned about current practices of e-waste recycling in India. She stressed upon the informal sector's involvement in this work and related health hazards & environmental pollutions of such works. She also shared the key findings of the study on Status of e-waste in Kolkata jointly conducted by Toxics Link & Jadavpur University in the year 2007.

Ms Monalisa then pointed out following action points for the organizations:

- To encourage the manufacturers/producers to ensure take back policy
- To follow 3R principle
- To ensure proper disposal of e-waste

Presentation on E-waste Scenario in Kolkata & Formalization of informal sector: Mr. Sasanka Dev, Secretary, DISHA

In his presentation, Mr. Sasanka Dev discussed about the process of formalization of informal sector under the WEEE Recycle project elaborately. He mentioned that proper method for recycling need be followed, but at the same time livelihood aspects of the informal sector should also be protected.

Mr. Dev also shared about the existing e-waste scenario in the city and its suburbs, collection methods, and current practices of dismantling. Finally, Mr. Dev shared information about Self Help Groups of e-waste collectors at village level. He also mentioned about two associations formed by informal recyclers. Among these two, the one which has been formed by Ukil Singh and Prasenjit Singh, has applied for Consent for Establishment from the (CFE) from the WBPCB. The other association formed by Sk. Tiwari will also apply for the CFE very soon.

Open house discussion

The open house discussion was moderated by Mr. Adhikari, WBPCB. The other panelists were Mr. N. Bandhyopadhyaya, WBPCB, Mr. R. C. Dutta, Directorate of Factories, Mr. Brajesh Singh, Toxics Link and Mr. Dev, DISHA. The major points raised and discussed are as follows:

- E-waste is a kind of industrial waste; could it be kept with the municipal waste? Mr. Sasanka Dev replied that e-waste cannot be kept with municipal wastes. E-

waste is different from municipal waste. Mr. Adhikary added that if e-wastes are being recycled by the organized sector then the recovery rate will be high. Prof. N. Bandhyopadhyaya requested the participants to follow the 3R principle. He also stressed on the fact that if informal e-waste recyclers can also work as an organized sector if they have been provided with proper training. In this regard, he expressed hope that manufacturers can provide training to this backward sector as they know about the right processes through which recovery rate could be the best.

- According to the rules micro enterprises are not within the purview of the rule. As per definition any industry with a capital investment of 10 crores is defined as MSME, and hence not covered under the rule? Yes as per definition micro-enterprises are not covered under the rule but alternatively any organization registered under factories Act of 1948 is a bulk generator hence this point needs to be cleared. Mr. Adhikari informed participants that amendments to the rule will occur in the near future.
- Suggestion to form clusters from the SHGs of informal recyclers in each district came out during the discussion. The members of these clusters will work as e-waste collectors for that district and there can be a common collection centre where all the e-wastes of respective district will be stored. Department of Self Help Group and Self Employment, GoWB provides fund for the formation of clusters. The panelists agreed that this was a good suggestion and can be implemented after getting the detail information in this regard.
- As the rules have already come into effect, what are procedures to be followed for the auction of e-wastes? Mr. Adhikary replied that the e-waste generators should mention in their tender notice that the recycler/collector should have the authorization from respective State Pollution Control Board (SPCB) in respect to handle e-waste. He mentioned the case of Central Inland Fisheries Research Institute, which had advertised for auctioning of e-waste without mentioning the word authorized. However they responded to the objection of WBPCB and cancelled the auction. In this regard authorization of SPCB of any state will be accepted. He also requested the participants to be aware of information like where the e-waste are going, whether the wastes have reached the proper recycling unit or not etc.
- For setting up green and orange categories of industries Consent to Establishment is now being granted by the District Industries Centres (DIC). So awareness generation at DIC level for establishing e-waste recycling/dismantling/collection units at district levels will be helpful. Mr. Adhikary replied that since e-waste is newly defined industry hence as per rules CFE, CFO, and authorization are all being handled by the SPCB. In the last board meeting of WBPCB the fees for establishing such units in West Bengal have been decided. The panellists agreed that involving DICs is a very good suggestion.
- Participants requested that as there is no authorized recycler available in West Bengal, so disposal of e-wastes by all the Govt. Departments needs to be done in collaboration IT Department. Otherwise it would not be possible for individual departments to find the authorized recyclers and go for the auctions. Some

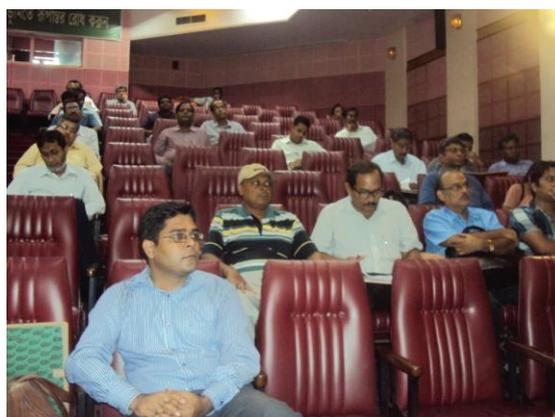
departments may generate e-waste in limited quantities and sporadically. In this regard the representative of MSTC, Shri B. Majumdar said that MSTC was handling e-waste auction for several departments. He said that MSTC can also arrange for vendors to arrange for pickup and collection from respective departments.

- However in regards to the previous one participants said that any material by Govt. Departments need to be done through Public Works Department (PWD) therefore they raised his doubts in regards to whether this can be done by MSTC for govt. departments which are under the directly under the administration of stat and central and state government. Representatives from MSTC replied that they are doing for Kolkata Police and KMC, hence they are eligible for disposing e-waste from such depts. They have a panel of registered vendors and this list can be shared with the participants. One panellist requested MSTC to send a letter mentioning their services and this letter may be forwarded to the participants through WBPCB.
- Concluding the discussion Mr. Adhikari said that invitations were sent to 45 depts. but only 21 were represented. He said that it was now the responsibility of all participants to inform their colleagues in other departments about the rules.

Vote of Thanks: Mr. Q. Q. Hassain, WBPCB

Mr. Q. Q. Hassain, Environmental Engineer, WBPCB thanked all participants for attending the workshop. He expressed hope that organization of the workshop would help in implementation of the new E-waste Handling and Management Rules & an informed response from the participant organizations would contribute to clean recycling channels and also said that further suggestions from the participants in this regard are always most welcomed.

Photo Gallery



PROGRAMME SCHEDULE

Time	Session
<i>10:30 - 11.00 hrs.</i>	<i>Registration</i>
11:00 - 11:10 hrs.	Welcome address by Sri Sandipan Mukherjee, Member Secretary, WBPCB
11:10 - 11:25 hrs.	Introductory speech by Prof. Binay K. Dutta, Chairman, WBPCB
11.25 - 11.45 hrs.	Introduction to the Workshop and its Objectives by Mr. Brajesh Singh, Project Coordinator, Toxics Link
11.45 – 12.00 hrs.	Overview and Achievements of WEEE Recycle project, Mr. Lalit Sharma, Technical Advisor, GIZ
<i>12.00 – 12.10 hrs.</i>	<i>Tea Break</i>
12.10 – 12.35 hrs.	Presentation on the E-waste (Management and Handling) Rules, 2011 Mr. S. K. Adhikari, Sr. Env. Engineer, WBPCB
12.35 – 13.00 hrs.	E-waste Scenario in India & the role of consumers Ms Monalisa Datta, Project Manager, Toxics Link
13.00 – 13.25 hrs.	Need to integrate the informal sector, Mr Sasanka Dev, DISHA
13.25 – 13.55 hrs.	Panel Discussion - Moderated by WBPCB & Toxics Link
13.55 – 14.00 hrs.	Vote of Thanks Mr. Q. Q. Hassain, Env. Engineer, WBPCB
<i>14:00 hrs onwards</i>	<i>Lunch</i>