

## ONGOING HUDCO SPONSORED PROJECT

**Title:** Development of a Classification System for Contaminated Sites/Old Dumps and a System for Ranking of Remediation/Closure Alternatives

**Background:** Land disposal of municipal solid waste (MSW) without scientific measures is a serious environmental and developmental problem in many countries, including India. If these sites are untouched due to legal concerns or lack of financial resources, they present a serious threat to public health and the environment and become a barrier to local economic development. The management of dump sites may be complicated by the different site conditions and the presence of human habitat as well as sensitive environment around it. These sites pose large risks to the environment and public health. Thus, cleaning up and reinvesting in these sites is essential to addressing issues of public health and the environment.

**Aim:** Main objective of the on-going research project is to develop a system for classification of contaminated sites/old dumps taking into account all the hazards causing damage/discomfort to human beings and the surrounding environment. A framework for ranking of control and remedial measures is also being formulated. The proposed methodologies and framework will be applied to selected sites across India.

## PROGRAMME

<b>Day 1: 06/03/2014, Thursday</b>	
<b>1030 - 1130</b>	<b>Registration</b>
1130-1300	Inauguration & Lead Lecture
1300 - 1400	<b>Lunch</b>
1400-1500 <b>Session A</b>	Status of MSW Dump Sites in cities having population above 5 million
1500-1600 <b>Session B</b>	Status of MSW Dump Sites in cities having population between 2 and 5 million
1600-1630	<b>Tea</b>
1630-1730 <b>Session C</b>	Case Studies on New Landfills and Closure of Old Dumps
1730-1900 <b>Session D</b>	Status of MSW Dump Sites in cities having population between 1 and 2 million
1900-2000	<b>Dinner</b>
Day 2	
<b>Session D (Contd.): 0930 to 1030</b>	
Status of MSW Dump Sites in cities having population above 1 million	
1030-1100	<b>Tea</b>
<b>Session E: 1100-1200</b>	
Case Studies on New Landfills and closure of old dumps	
<b>Session F: 1200-1330</b>	
F.1 Classification system for contaminated sites/old waste dumps and feedback from participants	
F.2 Ranking of remediation/closure alternatives for contaminated sites/old waste dumps and feedback from participants	
<b>1330-1415 Lunch</b>	
<b>1415 – 1500 Closure</b>	

## ORGANISING COMMITTEE

**Prof. Manoj Datta, IIT Delhi**  
**Prof. G V Ramana, IIT Delhi**  
**Prof. A. K. Nema, IIT Delhi**  
**Dr. R. K. Singh, HUDCO**

## CONTACT PERSON

Amit Kumar,  
 Organizing Secretary, LANDFILLS-2014  
 Mob: +91-9654-14-0757;  
 Department of Civil Engineering, IIT Delhi  
 Hauz Khas, New Delhi – 110016  
 Email: [amitrathi.ucf@gmail.com](mailto:amitrathi.ucf@gmail.com);  
 Fax: 011-26581117

## LANDFILLS - 2014

Workshop cum Experience Sharing Meet

on  
**Old Waste Dumps & New Landfills  
 in India**

6<sup>th</sup> (Thursday) and 7<sup>th</sup> March (Friday) 2014



at Civil Engineering Department, IIT Delhi  
 New Delhi-110016

5million + cities (8 Nos.)	Delhi, Mumbai, Kolkata, Chennai, Bangalore, Hyderabad, Ahmedabad, Pune
2 to 5 million cities (11 Nos.)	Surat, Jaipur, Kanpur, Lucknow, Nagpur, Ghaziabad, Indore, Coimbatore, Kochi, Patna, Kozhikode
1to 2 million cities (34 Nos.)	Bhopal, Thrissur, Vadodara, Agra, Vishakhapatnam, Malappuram, Thiruvananthapuram, Ludhiana, Kannur, Nashik, Vijayawada, Madurai, Varanasi, Meerut, Faridabad (NCR), Rajkot, Jamshedpur, Srinagar, Jabalpur, Asansol, Vasai - Virar (MMR), Allahabad, Dhanbad, Aurangabad, Amritsar, Jodhpur, Ranchi, Raipur, Kollam, Gwalior, Durg-Bhilainagar, Chandigarh, Tiruchirapalli, Kota

Organized by



IIT Delhi



hudco

hsmi

## AIM OF WORKSHOP

The main objective of the Workshop is to share the latest practices and trends in the field of management of old waste dumps and new landfills. The current status of the dump sites in major cities of India will be deliberated upon. The closure/ remediation of these dump sites is another area that will be focused upon. Case studies will be discussed from various cities regarding closure of old waste dumps and development of new landfills.

As the Workshop will be attended by stakeholders from different regions, there will be consultation with various stakeholders for arriving at a system for classification of the dump sites for remediation. The Workshop will also be used as a platform to disseminate the research outcome that has been obtained so far by the team of researchers from IIT Delhi and deliberate it further with experts and stakeholders from municipal corporations, pollution control boards, industries, government organizations, academic and research institutions in India.

Two specific feedbacks will be obtained from participants:

(a) Expert views of various stakeholders in arriving at a classification system for old dumps/contaminated sites,

(b) Expert views of various stakeholders in developing a system for ranking of remediation/closure alternatives for each dump site.

Further, the discussion at the Workshop will help to generate a consensus on how Indian cities can take more effective role in management of solid waste and abandoned MSW dump sites.

## INVITATION

This invitation is extended to landfill operators, municipal corporations, urban planners, pollution control boards, industries and industrial development corporations, government departments, consultants as well as academic and research institutions involved in management of old dumps sites and development of new landfills. They are invited to share their experience at LANDFILLS-2014 by making a 5-10 minutes presentation on the status of old waste dumps and strategies/experience for development of new landfills. They are also requested to participate in providing expert feedback for developing a site classification system and a ranking system for remediation/closure alternatives.

## REGISTRATION FEE, TRAVEL & ACCOMODATION

There is no registration fee for participation. The maximum number of participants is limited to 100. To confirm participation, a participation deposit of Rs. 1000/- by A/C payee cheque in favour of Registrar IIT Delhi is to accompany the registration form. This cheque will be returned to the participant on arrival. If a participant does not withdraw and does not show up, the participation deposit will be retained by IIT Delhi. Participants will have to travel at their own cost and make their own stay arrangements. The following hotels are in the vicinity of IIT Delhi which may be contacted by the participants directly.

Hotel Name	Discounted Single/Double Room Price	Taxes	Contact Info
Hotel Shyama International, Opp. IIT main Gate, New Delhi	2500/3000/- (breakfast Included)	taxes extra (18% approx.)	011-2652-6462; 09899-36-3490
Other hotels in Rs. 2500 to Rs. 4000/-range within 4km of IIT Delhi: The JRD Luxury Botique Hotel (Ph: 011-4090-7700), Sage Hotel (Ph: 011-2669-1084), The Visaya (Ph: 011- 4319- 0000; Mob: 9560-43-1113) and Hotel Rockland (Ph: 011-4342-2222)			

A very limited number of rooms are available in the Faculty Guest House, IIT Delhi on twin sharing basis. Kindly send your specific request to Organizing Secretary.

## REGISTRATION FORM

### LANDFILLS - 2014

Workshop cum Experience Sharing Meet

on

Old Waste Dumps and New Landfills in India

6<sup>th</sup> and 7<sup>th</sup> March 2014

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Organization: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_ PIN \_\_\_\_\_

Phone (Mobile) \_\_\_\_\_

E-mail: \_\_\_\_\_ FAX: \_\_\_\_\_

I will make a 5-10min. presentation at the Workshop. Please allocate slot and indicate format for PPT.

Participation deposit of Rs. 1000/- by A/C payee cheque in favour of "Registrar, IIT Delhi" is enclosed Cheque No. \_\_\_\_\_ dated \_\_\_\_\_, \_\_\_\_\_ Bank. (The cheque will be returned on arrival).

## ACCOMMODATION

Accommodation will be arranged by the participants themselves. For guidance, please refer to REGISTRATION FEE, TRAVEL & ACCOMODATION" section of the brochure.

Date : \_\_\_\_\_ Signature \_\_\_\_\_

**Please send the completed registration form (with cheque) to:**

Amit Kumar,

Organizing Secretary, LANDFILLS-2014

Research Scholar & Project Associate

Department of Civil Engineering,

IIT Delhi, Hauz Khas, New Delhi – 110 016

Mob: +91-9654-14-0757