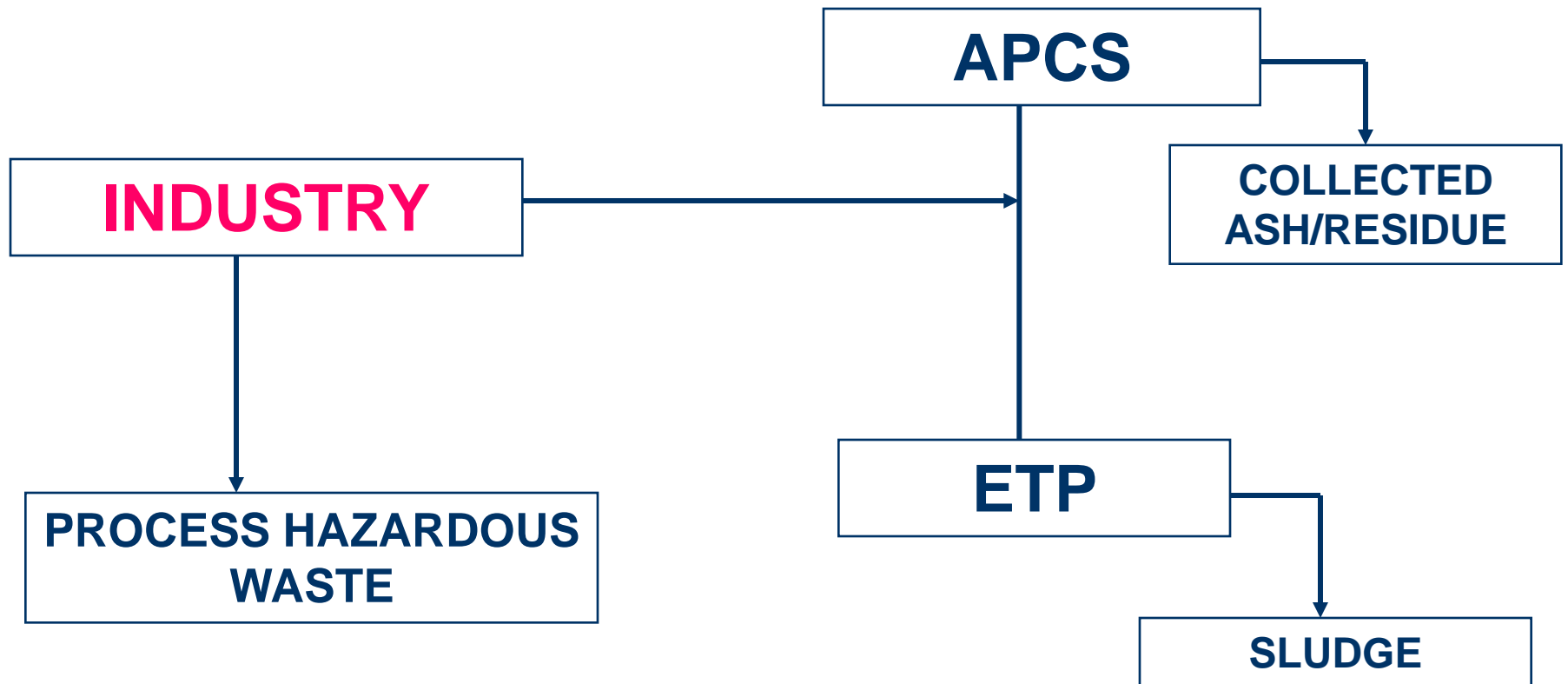


**STATUS OF HAZARDOUS WASTE  
DISPOSAL IN THE STATE OF UTTAR  
PRADESH**



**U. P. POLLUTION CONTROL BOARD**

# SOURCES OF HAZ. WASTE



# HAZARDOUS WASTE CHARACTERISTICS

- EXPLOSIVE
- INFLAMMABLE - FLASH POINT < 60°C
- CORROSIVE - pH < 2 & pH > 12.5
- TOXIC, POISONOUSNESS

# EFFECTS

- GROUND WATER CONTAMINATION
- SOIL CONTAMINATION
- DANGER TO HABITATS, FLORA FAUNA DUE TO TOXICITY

# LEGAL CONTROL

- WATER ACT 1974
- AIR ACT 1981
- ENV. PROTECTION ACT 1986
- HAZARDOUS WASTE (Management, Handling & Transboundary Movement) RULES 2008

# HAZ WASTE (Management, Handling & Transboundary Movement) RULES 2008

- CLASSIFICATION IN 36 CATEGORY UNDER SCHEDULE I
- SCHEDULE II BASED ON SPECIFIED CONCENTRATION
- AUTHORISATION TO BE ISSUED BY U.P.P.C.B.
- ARRANGEMENTS OF THE FINAL DISPOSAL
- FORM 13 IS TO BE SUBMITTED BY INDUSTRIES TO U.P.P.C.B.

# PRESENT STATUS

- **NO.OF INDUSTRIES IDENTIFIED - 2148**
- **TOTAL HAZARDOUS WASTE GENERATED - 137672 MTA**
- **RECYCLABLE WASTE - 84377 MTA**
- **INCINERABLE WASTE - 18953 MTA**
- **DISPOSABLE IN SECURED LANDFILL(SLF) - 34342 MTA**

# TEMPORARY STORAGE & TREATMENT

- IN DRUMS OR BAGS
- IN PUCCA TANKS OR ROOMS
- RECYCLE - USED OIL
- INCINERATION







STORAGE SITE  
FOR  
HAZARDOUS WASTE  
CONTENTS -  
KTY, SOLIDS, OILS, HEAVY  
METALS, OILS, WASTE, TMS, ETC.  
PAINT SLUDGE



# METHOD OF FINAL DISPOSAL OF HAZARODUS WASTE

- RECYCLING OF HAZ WASTE
- INCINERATION OF HAZ WASTE
- DISPOSAL IN SECURED LAND FILL (SLF)
- DISPOSAL IN CEMENT KILNS FOR INCINERABLE WASTE

# STATUS OF COMMON DISPOSAL FACILITIES

- **TSDFs IN OPERATION** - **03**
  - KUMBHI, KANPUR DEHAT - **2 No**
  - BANTHAR, UNNAO - **1 No**
  
- **TSDF Capacity Exhausted** - **01 No**

# ROOMA, KANPUR (S.L.F.)

- **SIZE OF CELL - 115m x 115mx 3.5m**
- **CAPACITY OF CELL IN OPERATION - 20,000MT**
- **BEING RUN BY KANPUR NAGAR NIGAM**
- **CAPACITY EXHAUSTED, NOT IN USE.**



# **KUMBHI- KANPUR DEHAT (M/S RAMKY ENVIRO LTD.)**

- **LAND PROVIDED BY UPPCB - 7 HECT**
- **1<sup>ST</sup> PHASE IN OPERATION**
- **CAPACITY OF OPERATIONAL S.L.F. -1 LAC MT**
- **FACILITIES -**
  - WEIGH BRIDGE
  - TEMP STORAGE
  - LABORATORY
  - STABILIZATION UNIT
  - SECURED LAND FILL
  - TYRE WASH, LEACHATE TREATMENT(SOL.EVOPAT)
  - MONITORING BOREWELLS
  - INCINERATORS



COMMON HAZARDOUS WASTE  
TREATMENT STORAGE DISPOSAL FACILITY  
(CHW-TSDF)



U.P. WASTE MANAGEMENT PROJECT  
A DIVISION OF AMKAT ENVIRONMENTAL ENGINEERS LTD  
(CHW-TSDF)  
PLOT No. 672 NH-2, SIKANDRA ROAD  
VILLAGE KUMBI, TEHSIL - AKBARPUR,  
KANPUR - DISTRICT U.P.

6 7 2007







# COMMON SLF AT KUMBHI, KANPUR DEHAT, Of U.P. Waste Management Ltd.













**TEMPORARY STORES**

27 6 2007





# Bharat Oil & Waste Management Ltd



COMMON HW MANAGEMENT & INCINERATION FACILITY

Authorised By UP PCB, Lucknow

Factory: GATA No.672, VILL: KUMBHI, TEHSIL: AKBARPUR, DIST:

KANPUR DEHAT (U.P.) Mobile: 09452055219, 0512- 2285294

Regd. Off.: B-5, G.F., EAST OF RAILASH, NEW DELHI-65 TEL: 011- 41000














# **TSDf BANThAR**

**For tannery waste only**







**WEIGH BRIDGE**

INDUSTRIAL INFRASTRUCTURE  
SERVICES (INDIA) LTD.

COMMON HAZARDOUS WASTE  
DISPOSAL FACILITY

DEVELOPED UNDER TIUS DIPP,  
GOVT OF INDIA

MINISTRY OF COMMERCE & INDUSTRY

# BANTHAR, UNNAO

- COMPLETED - ONE CELL
- CAPACITY - SUFFICIENT FOR 3 YRS
- UNDER CONSTRUCTION IN - 12 HECT LAND
- FOR CETP UNNAO & BANTHAR AND INDUSTRIES LOCATED IN UNNAO



# ILLEGAL HAZ. DUMP SITES IN UP

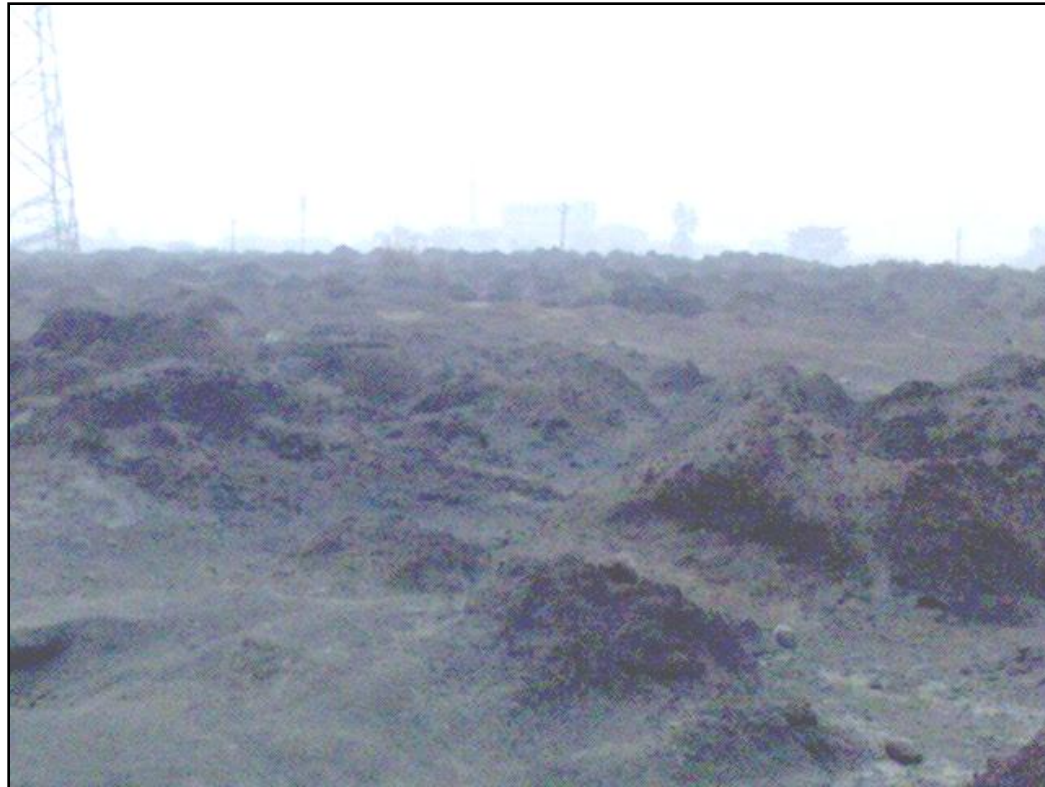
1. Nauraiya khera-Kanpur
  2. Juhi Baburaiya-Kanpur
  3. Panki Industrial Area-Kanpur
  4. Khanpur Village Raniya-Kanpur Dehat
  5. IPL, Deva Road-Lucknow
- ITRC Lucknow has submitted the final report of assigned project to study the impact at sites and suggest the remedial majors



# **Preliminary Details Of The Identified Illegal Dump Sites**



**Huge quantity of hazardous waste from basic chrome sulphate units dumped illegally at Khanpur village, Kanpur Dehat**





## Kanpur Dehat :-

- Nature of industries- BCS.
- Area covered- 1 Sq. Km.
- Approximately 30000 m.t. B.C.S. waste is lying near Khanpur village which is required to be shifted to secured landfill site.
- At present responsible industries have been issued closer order by the Board.

## Nauraiya Khera

- Ground Water contaminated due to chromium.
- Industries nature- Steal welding, Electroplating, Powder coating, Metal Phosphating, Sodium hypochlorite trading unit, Lead Acid Batteries. Site used for dumping for last 20-25 years.
- Area-600 Sq. ft.

# Illegal dumped site at Juhi Baburaiya, Kanpur



## Juhi Baburaiya

- Water at Juhi Baburaiya contaminated upto 100 feet & 60-70 feet slightly yellow and greenish.
- Water at 120 feet was found clear.
- Industries nature – Mainly BCS industries,
- Area 5-6 acre land.

# Illegal dumped site at Panki, Kanpur





# Panki

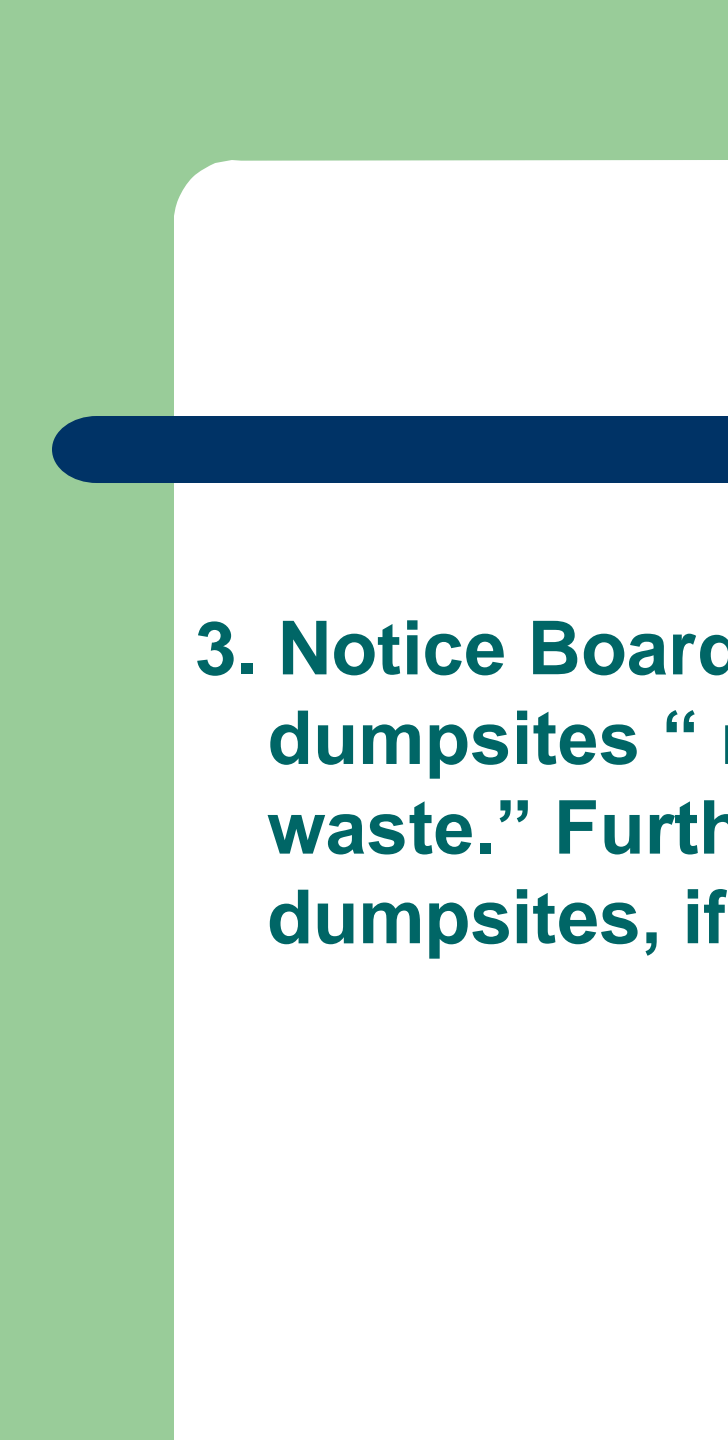
- Water upto 50 feet contaminated.
- Nature of Industry- Dyes, Foundries, Tannery, Cotton, Textile, Carpet.
- Site coverage- 10 acre of land.

## Lucknow (India Pesticides Ltd., Deva Road)

- Nature of Industries – Pesticide (technical).
- Area covered- 2 acre.
- No more pesticide waste is dumped.

# Remediation Measures Taken

- 1. Closer order issued to six BCS factories which were responsible for throwing BCS waste at Khanpur village.**
- 2. District Magistrate/local Municipal Corporation have been asked to see that no more waste is thrown on this dumps.**

A decorative graphic on the left side of the slide, consisting of a light green vertical bar and a dark blue horizontal bar with rounded ends.

**3. Notice Boards have been put up at illegal dumpsites “ not to dispose any hazardous waste.” Further it is planned to fence the dumpsites, if possible.**

# Remediation Measures Planned

1. **Transfer of BCS waste from Khanpur village to nearby secured land fill site.**
2. **To stabilize or immobilize the Hazardous waste at the present site itself.**
3. **Remediation of Ground water after getting funds from CPCB/MOEF and the technologies.**
4. **CPCB has identified 02 sites 01 at Khanpur Village Rania Kanpur Dehat & other at Deva Road Lucknow for remediation under National Clean Energy Fund, which is financed in the ratio of 40:60 by Central Government & State Government.**



**THANK YOU!**