



DEDICATED TO CLEAN ENVIRONMENT

Shivalik Solid Waste Management Ltd.

A joint Venture of United Phosphorus Ltd (UPL) &
Baddi Barotiwala Nalagarh Industries Association (BBNIA)
Treatment Storage & Disposal Facility (TSDF) Site
A scientific disposal solution to the Industrial Waste

COMPANY PROFILE :

Shivalik Solid Waste Management Limited an offshoot of UPL group of companies - Mumbai is one of the leading player in the field of Environmental services in the country . UPL group was established in 1969 and has turnover of Rs. 5898 Crores for the F. Year 2010-11. UPL has always made a conscious effort in maintaining and improving standards of environmental care. To give all its efforts a concrete shape it formed UPL Environmental Infrastructure Group- Tatva Global This group roofed the experts in environmental care The names include, Bharuch Enviro Infrastructure Ltd. (BEIL), Enviro Technology Ltd. (ETL) , UPL Environmental Engineers Ltd. (UPLEEL) and DJAI Power Ltd.



GREEN BELT



BACKGROUND OF TSDF SITE IN H.P. :

The state of Himachal Pradesh is experiencing rapid industrial growth for nearly two decades. State Government has developed the industrial corridor in the various areas, significantly in district Solan, Sirmour, Una, Kangra, Bilaspur & Kullu . This Industrial growth has led to continuous increase in generation of Hazardous waste. The ability to manage & control the disposal of Industrial waste keeps pace with the expansion of the industries. Hazardous waste & its related environmental problems have been recognized by Himachal Pradesh state Pollution Control Board. In the year 2000, HPSPCB took the initiative of identifying a site for developing common Hazardous waste "Treatment, Storage & Disposal Facility" .Government of Himachal Pradesh & HP State Pollution Control Board persuaded B.B.N. Industries Association for setting up the "Treatment, Storage & Disposal Facility" . The Association formed Special Purpose Vehicle (Shivalik Solid Waste Management Ltd.) to set up and operate Treatment Storage & Disposal Facility (TSDF). United Phosphorous Limited (UPL) were appointed after a detailed selection process among the reputed companies who had applied for this project. MOU of UPL with BBNIA has been signed with the 51% Equity ratio of UPL and 49% by the Member Industries for setting up the facility.

PROJECT DEVELOPMENT :

HP State Pollution Control Board Identified three sites and assessed their feasibility for Development of Hazardous Waste Treatment, Storage & Disposal Facility (HWTSDF). The Environmental Impact assessment study of these selected sites was conducted with financial technical support of AUSAID through URS Australia (P) Ltd. based on the EIA study, the site at Village Majra was identified and finalized to set up this facility.



ENTRANCE GATE SSWML OFFICE

M/s Tetra Tech. Ltd were appointed Consultants for carrying out detailed inventorization studies & as per their report the industries in Himachal Pradesh generating around 50,000 MT Hazardous Waste per annum. Project site at village Majra is situated about 10km from Nalagarh on the Nalagarh- Bharatgarh Road. State Govt. & HP State Pollution Control Board made concerted efforts for land allotment. Initially 35 acre land was allocated to Shivalik Solid Waste Management Limited in Nov. 18,2006 on nominal lease by the State Govt. for developing the project. The site was notified on 07.03.2007.



WAY TO STORAGE & LANDFILL SSWML TIME OFFICE



Further the project designs were approved by the experts from I.I.T. Delhi. The project execution was carried out in consultancy with I.I.T Delhi in the supervision of Tetra Tech India Ltd. & HP state pollution control Board. The project executed by UPL Environmental Engineers Ltd. Baroda Under its experienced manpower with expertise in the process. It has good technical understanding in the field of projects on EPC basis, R&D in the fields of water, Waste water treatment, Recycle and Reuse Processes Solid Waste Management and Hazardous Waste Management. It has given its expert consultancy for various environmental management projects, both on national and International levels.

PROJECT COMPONENTS : -

Secured landfill comprises of

- ❖ Multiple Effect Evaporator with the Capacity Of 20 Cubic Meter per day.
- ❖ A well equipped laboratory is established for the necessary analysis and Applied for NABL Accreditation
- ❖ Temporary Hazardous Waste storage shed.
- ❖ Pre Treatment & Stabilization Unit.
- ❖ Double liner system
- ❖ Leachate Collection system



M.E. EVAPORATOR LABORATORY



TEMPORARY STORAGE SHED LINER SYSTEM



The facility is sufficient to last more than 20 years

TRANSPORTATION :

Company has its own trucks/ transportation as per CPCB Guidelines to lift the Hazardous Waste from member Industries. Company have also tripartite agreement for transportation . The transportation is carried out as per CPCB guidelines & every material transportation is accompanied by manifest system.

Areas wherein Shivalik Solid waste Management Ltd. is providing services

- ❖ **Treatment, Storage & Disposal Facility** : For the handling of Hazardous Waste found fit for the landfill.
- ❖ **Multiple Effect Evaporator** : For the treatment of effluent (treated) having total dissolved solids (TDS) and the RO reject water.
- ❖ **Process Waste** : This covers the process materials non landfill able materials, The materials are treated suitably & then disposed off.
- ❖ **Empty Used Drums** : For Handling, cleaning & disposal off of Hazardous/ non Hazardous chemical drums in Scientific Manner .
- ❖ **Environmental Consultancy** : Providing consultancy for Design & detailing of STP, ETP, TSDF, CETP, Municipal Waste Management , Kitchen Waste Management and , EIA Study, Environment Audit .
- ❖ **Environmental Monitoring & Laboratory Analytical Services** : Shivalik have NABL approved Laboratory and we conducting the Environment monitoring like sampling & testing of Ambient Air ,Water Quality, various waste testings (Effluent, Drinking water),Noise .
- ❖ **Environment Statement** : We also help the industries in preparation & completion of Environment Statement. SSWML will pleaurably offer the services in the various areas & hence urge all the industrial associates to avail the facilities to the maximum extent & joining hands in the march towards clean Environment.
- ❖ **Waste Oil/ Used Oil, Paint Sludge** : Authorize agency from HP – PCB for Collection /Storage/Transportation and disposal of Used Oil/ Waste Oil, & Paint Sludge from the units located in H.P to the CPCB Registered Recycler/Refiner.
- ❖ **E- Waste** : Authorize agency from HP – PCB for Collection /Storage / Transportation and disposal of E-Waste from the units located in H.P. to the Registered Recycler.



STABLIZATION CHARGES :

Any material not found landfillable but can be made so by giving physical treatment. (by stabilization) can also be disposed. Shivalik Solid Waste Management Ltd. may treat that material on the cost of that particular industrial unit. This will differ from case to case what type of stabilization required.

AS PER THE AGREEMENT

- ❖ The Generator, in accordance with the rules shall provide the process details leading to generation of Hazardous waste, to the operator for determining the waste characteristics , as well as its final path way of treatment, storage & disposal.
- ❖ The generator shall declare the Hazardous waste quantity as per the norms & time to time confirm the disposal schedule.

The Operator shall accept Hazardous waste at the facility only from the generators registered with Shivalik Solid Waste Management Ltd. and have proper authorization from H.P State Pollution Control Board.



Shivalik Solid Waste Management Ltd.

Registered Office :

Village Majra, Post Office Dabhota & Tehsil Nalagarh - 174 101
Distt Solan, Himachal Pradesh. Phone/ Telefax ; 01795-260427,260227

Zirakpur Office :

SCO 20-21, IInd Floor, Near Hotel Dolphin, Baltana, Zirakpur (Punjab)-140 604
Phone/ Telefax : 01762-509496 Mail id : ashok.sharma@upleel.com

CEO'S MESSAGE

Shivalik Solid Waste Management Limited has started receiving the Hazardous Waste, Empty Used Drum, Used Oil/ Waste Oil and E- Waste , from the member industries. Also Providing services for the Environment Audits, Process Audits . All the member industries are advised to start availing the benefits of the site. We take care of the same in scientific way. By this the industry can focus on their core business.

Ashok Sharma
(CEO)