

City	Delhi	Contact person	
Concerned Department / Authority	Delhi Development Authority	Contact person	
Theme	Solid Waste Management - Landfill sites or Technology Upgradation		
Background	<p>Delhi generates about 9,000 MT of solid waste on a daily basis. With no segregation taking place at source, garbage is being dumped at the land fill sites and these sites release excessive methane, leading to frequent fires, which in turn add to air pollution in the capital.</p> <p>As on date, waste management is being undertaken on four landfill sites:</p> <ol style="list-style-type: none"> <li>1. Jaitpur/Tajpur (9.8 Ha.)</li> <li>2. Near Puthkhurd (55 Ha.)</li> <li>3. Bawana to Narela Road (28 Ha)</li> <li>4. Sultanpur Dabas (Bhawana) (16 Ha.)</li> </ol> <p>These sites are not sufficient to manage the solid waste dumps, therefore, there is urgent requirement of alternative location or solution for solid waste management.</p> <p>Delhi Development authority has already allotted / in the process of allotment of new sites to Concerned Local Bodies (i.e. North DMC, SDMC and EDMC) of Delhi for the purpose of waste management.</p>		
Description of the specific challenge	<p>There are existing landfill sites which are being used for the purpose of solid waste management and are on the verge of getting exhausted. New Landfill Sites or new techniques for decomposition need to be incorporated in the existing system.</p> <ul style="list-style-type: none"> <li>• Zero waste systems to be introduced for various projects in a simpler manner.</li> <li>• Tailor made Upgradation/ capacity building projects can be introduced to the existing landfill sites for proper utilisation of the sites and the waste dumped in them.</li> <li>• Waste to wealth concept and waste to sustainability may be provided</li> </ul>		
Description of the effected area	<p>Whole of Delhi is burdened by this huge amount of waste which is generated on daily basis. New areas for development are being introduced in Delhi by virtue of introduction of Land Pooling Policy and various other policies which will impact the overall development in Delhi.</p>		
Desired outcome	<ul style="list-style-type: none"> <li>• Environmental upgradation: This step will reduce the chance of air, water &amp; soil contamination and also will reduce the emission odours.</li> <li>• Better Social living condition: Improve the living standards of neighbouring society &amp; will provide safe &amp; hygienic surrounding.</li> <li>• Many other underlying factors which need to be highlighted.</li> </ul>		
Current status	<p>The quantity of municipal solid wastes generated in Delhi has been consistently rising over the year. Currently, the sites used for dumping of waste are over burdened and are in exhaustive state. No scientific disposal method is being followed except general features of landfill.</p>		

Estimated timelines	<p>3 Months for Study and Proposal</p> <p>6 Months for methodology of Incorporation on existing sites</p> <p>3 Months for Educating the site supervisors/ on site education</p> <p>3 Months for Stage I results</p>
Procurement procedure	To be suggested
Key local stakeholders	Concerned Local Bodies i.e. North, South, East Delhi Municipal Corporation/ Delhi Development Authority, Government of NCT of Delhi etc.
Any other remarks	The solution should be based on ground data with capability to integrate existing options for waste management with smart solutions to analyse and provide ground level solutions.