

Case Study Flyer: Municipal Solid Waste Management, Nagpur, India		
City: NAGPUR	STATUS: Solid Waste Management Study conducted.	Key Sectors: Municipal Solid Waste
PROPOSERS		GEOGRAPHY AND POPULATION
Nagpur Municipal Corporation (NMC) Mr. Rajesh Dufare Deputy Engineer rjdufare@gmail.com Tel.: +91 9823526400	Coordinator: Ms. Ritu Thakur ICLEI South Asia Ritu.thakur@iclei.org	<ul style="list-style-type: none"> • Also known as 'Orange City' • Area: 217 sq.km with • Population: 2.5 million (Census 2011). • Located at the geographical centre of India. 
Local Partner Nagpur Municipal Corporation (NMC)	National Partner Ministry of Urban Development (MoUD)	
KEY CITY DEVELOPMENT ISSUES		
<ul style="list-style-type: none"> • Municipal Solid Waste management is identified as the most vulnerable sector in Nagpur which needs solutions using the Nexus framework. • Door to door collection of waste services covers more than 90% of city. However, there is no processing and disposal facility in the city • Presently, the city generates 900-1000 tonnes per day (TPD) TPD of waste, out of which only 150-200 TPD of waste is being processed while remaining 800 TPD is dumped at the site. In the last few years, almost 400000 metric tonnes of waste is dumped at the Bhandewadi Site thereby threatening public health and hygiene 		
DETAILS OF COOPERATION		INTERVENTION AREA
<ul style="list-style-type: none"> • Conduct a detailed study of municipal solid waste in the city. Analyze and recommend the most suitable treatment and disposal technology based on its technical, legal, environmental, economic and commercial viability • Cooperation with National Environmental Engineering Research Institute (NEERI) to conduct characterization of municipal solid waste as per the rules and guidelines of the National Government • Identify potential funding sources for project implementation for improved waste management 		
EXPECTED DEVELOPMENTAL IMPACTS		
<ul style="list-style-type: none"> • The detailed study will enable to develop a Nexus-compliant project which will help the city to address their solid waste woes. • Establish inter-linkages between sectors viz. waste and energy. Waste, when treated, could be used as a resource for generating energy thereby promoting circular economy. • Professional management of MSW will reduce threats on environment (specially air and groundwater) and public health • Support the city to move towards its Smart City vision of creating an inclusive ecosystem 		
GIZ NEXUS SUPPORT	Technical advisory services, cost calculation, capacity building	POTENTIAL SOURCES OF FINANCING
CITY CONTRIBUTION	Data availability, human resources	
		<ul style="list-style-type: none"> - Swachh Bharat Mission - Smart City Mission

