

USE OF GIS AND DATA TO ASSESS THE SANITATION SITUATION

Turbhe Ward, Navi Mumbai



ANALYZING COMMUNITY SANITATION

Shelter Associates has invested in creating spatial data using Geographic Information Systems (GIS) on slums of 7 cities of Maharashtra in the last 2 decades and made mapping of slum data a vital component of its work. Through the Urban WASH project supported by IKEA India in partnership with Collective Good Foundation in the Turbhe Ward of Navi Mumbai, Maharashtra, SA has been demonstrating how this data can become an excellent planning & monitoring tool to effectively implement WASH strategies. Through its GIS mapping efforts, SA collects data on WASH infrastructural amenities such as Community Toilet Blocks, drainage networks, etc. along with individual family information. Such comprehensive data and dialogues with the Urban Local Bodies and Sanitation personnel, enables a better understanding of the sanitation situation on the ground and further implement strategies pertaining to the well-being of the slum families.

UNDERSTANDING SANITATION HABITS

To understand the sanitation practices followed by residents, a Knowledge, Attitude & Practices (KAP) survey is being conducted by Shelter Associates with the slum families of the project settlements of Turbhe Ward, Navi Mumbai. This study assesses the level of knowledge, behavior, and practices towards water, sanitation, and menstrual hygiene in the families. The findings will facilitate in the provision of WASH facilities and educating the families on the fundamentals of ensuring individual health and hygiene.



Facts: Project Areas in Turbhe ward



4 selected slums of Turbhe Ward inhabited by 5000+ families (Indira Nagar, Hanuman Nagar, Ganpati Pada 1, Ganpati Pada 2)

16% families have a home toilet, while 84% families use CTB or defecate in the open



Total 9 CTB in the 4 slums
CTB Seat to family ratio: 1:28
(Approx. 140 persons are using one CTB seat indicating high pressure on CTB)

Only 18% drainage coverage in these project slums



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