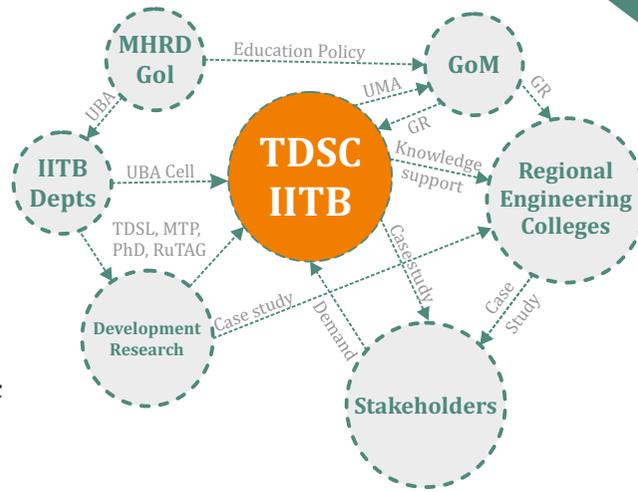


Framework of Engagement:

Technology and Development Solutions Cell at CTARA, IIT Bombay is not an effort in isolation. To fulfill its objectives, TDSC continuously engages with stakeholders in the development field, including government, and works in association with other academic institutes.



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Technology and Development Solutions Cell

TDSC



CTARA
Centre for Technology
Alternatives for Rural Areas

Centre for Technology Alternatives
for Rural Areas

Indian Institute of Technology Bombay

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TDSC Services:

TDSC offers technical consulting services on projects serving the bottom 80% in the basic sectors of water, energy, sanitation, healthcare and agriculture.

THEMATIC AREAS

- Energy solutions for pumping and other sector services
- Solid-liquid waste management
- Piped drinking water schemes design, audit, etc.
- Watershed development for water security
- Wastewater management solutions
- Techno-social analysis of interventions

TYPICAL SERVICES

- Need-assessment and feasibility analysis
- Design of interventions
- Execution support to pilots
- Third-party audit and evaluation
- Training and outreach, including internships

We work with:

- Gram Panchayats, Zilla Parishads, district planning committees
- Municipal corporations and other urban local bodies
- Central and state government ministries and other policy makers
- NGOs, SHGs, other community-based organizations
- Corporate CSR divisions, Trusts
- Academic institutions

Important Engagements :

- Palghar and Thane Zila Parishad:** Third-party technical evaluation of **Rural Water Supply schemes**
- Palghar District collector office:** Third Party Audit and Evaluation of **Thakkar Bappa Adivasi Vasti Sudhar Ekatmik Karyakram** and **Jal Yukt Shivar Abhiyan**

TDSC started in 2013 as a platform for graduating engineers who wanted to explore their role in the development sector. Today, TDSC employs fresh B.Tech and M.Tech as project staff and also accepts interns from various backgrounds.

Ongoing projects

1. Technical research for block level planning in Mokhada Taluka Aroehan



3. Third-party technical evaluation of rural piped water supply schemes in Palghar district



5. Third Party Audit of works done under Thakkar Bappa Yojana in Palghar District



2. Third-party technical evaluation of rural piped water supply schemes in Thane District



4. Failure analysis of piped water supply schemes as demanded by Gram Panchayats in Thane and Palghar districts



6. Third-party technical evaluation of Jalyukta Shivar Abhiyan in Palghar district



Past projects :



1. Watershed planning for irrigation and drinking water security in Mokhada
Siemens CSR and Aroehan



2. Minimizing water and pumping energy losses in water supply scheme
Parbhani Municipal Corporation

Piped drinking water solutions, Varcha Tembha village, Shahapur
Sir Dorabjee Tata Trust



3. Technical Support to 'Regeneration of DBI System and Integrated Livelihood Development' project by Yuva Mitra, Sinnar



Other Projects Areas:

- Solid waste management study and analysis
- Solar pumping system design for drinking water and irrigation
- Surface water storage structure (bund) planning design
- Rural drinking water treatment technologies and solutions