



# NEWSLETTER

## September 2020

### Shankarpur

Shankarpur is a rural area lying at the outskirt of the Jorhat city. A crude oil pipeline leakage occurred in this area which caused widespread crude oil leakage. The line leakage was so strong that the crude oil leaked at high pressure and scattered around the place. It was also found that the crude oil reached into the houses of the people staying nearby area. As a measure of safety at initial phase, the leakage area was initially evacuated for oil recovery and collection.

During oil recovery and collection, the oil spilled further to nearby areas. After the recovery and collection of oil, a contract was awarded to OTBL for the treatment of 405 MT of oil soaked soil and oily sludge at line leakage contamination area. Under this phase of the project, a total of two site were undertaken. Details of the same are provided in Table 1.

**Table 1:** Sludge locations undertaken for bioremediation in this phase of the project

Sr. No	Location	Measurement (L x B x D in meter)	Volume (m <sup>3</sup> )	Mass@0.9 MT/m <sup>3</sup> (MT)
1	Shankarpur (Line leakage area) Sr. No.1	30 x 40 x 0.2	240	216
2	Shankarpur (Line leakage area) Sr. No.2	15 x 70 x 0.2	210	189
<b>Total</b>		<b>450</b>	<b>405 MT</b>	

The site was successfully bioremediated. Contaminated land and water bodies around the site were successfully cleaned and restored sustainable for habitat.





Before bio-remediation job



After final oil-zapper application



Before bio-remediation job



After final oil-zapper application



Before bio-remediation job



After final oil-zapper application



# MK10, Well Site Area

Well site area, MK10, is under Jorhat, Assam. There was a tank leakage in this area. The leakage not only contaminated the area around but also went into the constructed sludge pit.

OTBL informed the authority about the leakage and due to the urgent nature of the work, it provided manpower to control further spillage and contamination of soil.

Later a contract was awarded to OTBL for the treatment of 345.6 MT contaminated soil. Under this phase of the project under the contract, a total of one site was undertaken. Details of the same are provided in Table 1.

**Table 1:** Sludge locations undertaken for bioremediation in this phase of the project

Sr. No	Location (L × B × D in meter)	Measurement (L × B × D in meter)	Volume (m <sup>3</sup> )	Mass@0.9 MT/m <sup>3</sup> (MT)
1	Well Site Area, MK10	32 m x 30 m x 0.4 m	384 m <sup>3</sup>	345.6 MT
	<b>Total</b>	<b>384 m<sup>3</sup></b>	<b>345.6 MT</b>	

The site was successfully bioremediated. Contaminated land and water bodies around the site were successfully cleaned and made sustainable for habitat.



Zero-day work



Zero-day work



Zero-day work



Site after oil-zapper application



# Protectors of the Environment – Phase III

## Adopting Energy-efficient Choices for Sustainability

The third phase of Protectors of the Environment (PoE), the flagship programme of OTBL, was launched in three districts of Gujarat: Ahmedabad, Mehsana, and Bharuch. A total of 18 schools from the 3 districts were shortlisted to participate in the programme (6 schools in each district), based on the theme ‘Conservation of Energy Resources’. PoE is an effective and one-of-a-kind outreach programme. Its goal is to empower school children to take necessary actions for achieving environment sustainability through energy conservation. The focus of the programme is to provide theoretical understanding of energy consumption, importance of energy conservation, calculating energy usage, and creating energy conservation strategies for schools and households.

### Introductory Workshops

After identifying schools and selecting nodal teachers, workshops were conducted in the schools to implement the Phase III of PoE. Dynamic interactive discussions, workshops, energy audits, a quiz contest, and unique world café sessions were held to encourage healthy discourses on energy-related issues to help young learners to realistically engage with challenges at hand and work towards social transformation at the ground level.

### Engagement Workshops

Students engaged with their families, neighbourhood, and local communities through interactive workshops and energy cafe sessions, which included poster making, placards, flowcharts on daily energy use, and exchange of stories and experiences to spread the word about a sustainable society by adopting energy-efficient ways for ecological sustenance.

### Concluding the Programme

To commemorate the year-long activities of PoE – Phase III, concluding programmes were organized in the schools of Ahmedabad, Bharuch, and Mehsana. During the programme, students, teachers, and principals of the schools shared their experiences with the programme team. Certificates and trophies were given to students and teachers for their efforts and participation.

During the valedictory session, students were provided with practical instructions on saving energy through various educational aids, using which they further understood the methods of adopting energy-efficient choices for sustainability.



OTBL LED bag given to students of Rangoli International School, Mehsana



Mr Shwetal Shah, Consultant, Climate Change Department, presented the Student Excellence Award (gold) to the winner in Mehsana



Mr S B Patil, OSD and Deputy Director Gujarat Energy Development Agency and Mr Manish Dwivedi, Chief Engineer, OTBL, Gujarat presented Student Excellence Award (gold) to a student of Little Star High School, Ahmedabad



LED bulbs presented to the students of Kendriya Vidyalaya, Mehsana

