



## WATER AUDIT

### KALOL, SANTRAMPUR, MORBI, PALITANA, NAVSARI, BARDOLI



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| <b>Client</b>            | CEPT University, Ahmedabad, Gujarat  |
| <b>Project Cost</b>      | INR 2.59 Million   |
| <b>Scheme</b>            | Bill and Melinda Gates Foundation  |
| <b>Status</b>            | Completed  |
| <b>Salient Features</b>  | <ul style="list-style-type: none"> <li>• Water audit carried out for the cities of Kalol, Santrampur, Morbi, Palitana, Navsari and Bardoli</li> <li>• Flow measurement carried out using Portable Flowmeter for pipeline &amp; water meters for household connection</li> <li>• Kalol City<br/>Water Supply-17.26 MLD, Population-1,50,000 (2010 Census)</li> <li>• Santrampur Town<br/>Water Supply-2.27 MLD, Population-19,468 (2011 Census)</li> <li>• Morbi City<br/>Water Supply-35.37 MLD, Population-1,94,129 (2011 Census)</li> <li>• Palitana City<br/>Water Supply-19.37 MLD, Population-63,540 (2011 Census)</li> <li>• Navsari City<br/>Water Supply-43.58 MLD, Population-1,60,100 (2011 Census)</li> <li>• Bardoli City<br/>Water Supply-20.25 MLD, Population-60,824 (2011 Census)</li> </ul> |
| <b>Services Provided</b> | <ul style="list-style-type: none"> <li>• Site Survey – Understanding of water supply system</li> <li>• Household Survey</li> <li>• Quantity Measurement <ul style="list-style-type: none"> <li>✓ Water Produced at Source</li> <li>✓ Estimating Water Supply per Day</li> <li>✓ Measurement of Water Supply from Treated Water Mains</li> <li>✓ Estimating Treated Water Conveyance Losses</li> <li>✓ Measurement of Water Supply received at WDS</li> <li>✓ Measurement of Water Supplied from WDS</li> <li>✓ Estimating Losses at WDS</li> <li>✓ Measurement of Consumption (Household) with Water Meter</li> <li>✓ Analysis of Data and Computation of NRW</li> </ul> </li> </ul>   |