

Project Summary

IH²® is a waste-to-energy technology which converts a broad range of residues, including sorted municipal waste (up to 20% plastic content), agricultural residues to gasoline, jet fuel, and diesel-range hydrocarbon fuels. CSTEP performed the resource and impact assessment for large scale deployment IH²®. We estimated the agro-residues (for 10 states) and municipal solid waste (for 42 major cities) to examine the potential for adoption of IH²® technology. The study also assessed the potential for reduction of crude oil imports, FOREX savings, reduction possibilities of stubble burning, opportunities for the increase of rural income, jobs etc. Further, we reviewed the impact of biomass-related policies and national schemes (Swachh Bharat Mission and Skill India) on IH²®. The project was funded by Shell Technology Centre, Bengaluru.