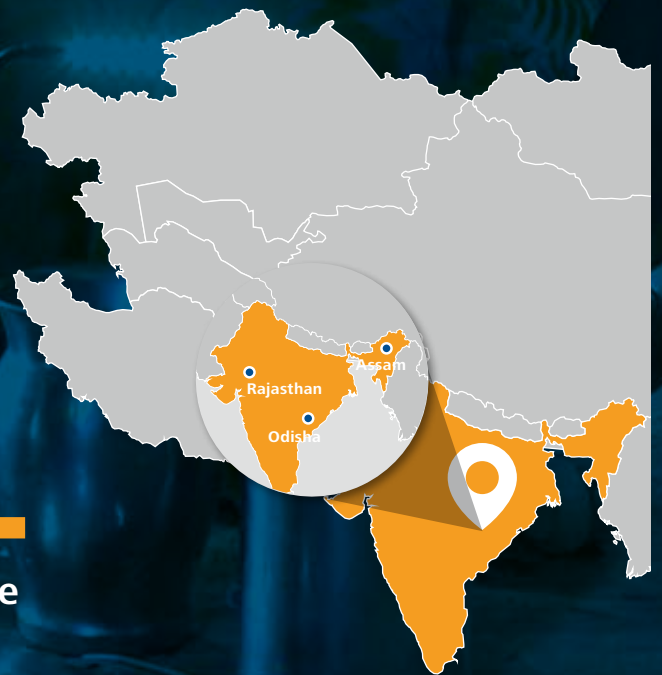




BIOLITE HOMESTOVES INDIA

Improving health and access to affordable
energy for Indian communities



The BioLite HomeStoves project distributes improved cooking stoves to Indian households in communities where reliable access to electricity is lacking. As well as being more efficient, requiring less woodfuel, and producing less harmful indoor air pollution, the ultra-clean burning HomeStoves also generate reliable, on-demand electricity for households.

The Context

Around 170 million Indian households cook over smoky, open-wood fires that produce indoor air pollution, causing an estimated 875,000 deaths annually in India alone. On top of this, recent studies have determined that such open-fire cooking creates more black carbon than the world's cars and trucks combined.

The Project

The BioLite HomeStove project distributes improved cooking stoves to households lacking reliable electricity access in the Indian States of Odisha, Assam and Rajasthan. The HomeStoves cut toxic indoor emissions by 90% and run on local biomass sources such as crop residue or cow manure. This halves the amount of fuel needed for cooking, saving time for women and girls who are otherwise tasked with collecting woodfuel from nearby forests. While cooking, the ultra-clean burning HomeStoves also generate reliable, on-demand electricity for households.

The Benefits

The BioLite cookstoves greatly reduce indoor pollution, improving household health, and women have time to pursue economic and other opportunities as they spend less time collecting fuelwood. The HomeStoves also provide reliable, affordable electricity to households, and local staff in India are employed to manage project operations, such as stove importation and distribution relationships – further boosting economies and ameliorating regional poverty.

The HomeStoves generate enough electricity while cooking to fully charge a mobile phone and provide an evening's worth of bright, LED light – an innovative solution in a country where around 90 million households lack electricity access entirely.



Gold Standard



13
hours saved

per family on average each month on wood collection, freeing up time that can be spent pursuing economic and other opportunities



90%
less pollution

in households with ultra-clean burning HomeStoves, decreasing the incidence of respiratory diseases



7,400+
HomeStoves

distributed to date, providing Indian households with a reliable, affordable source of electricity and means of cooking



Jobs

created in project operations, boosting local economies and regional development



8,823
tCO₂e

reduced on average annually



50%
less woodfuel

needed for cooking, decreasing deforestation pressures on forest ecosystems

For more information on the UN Sustainable Development Goals, please visit: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>

Official name: VPA 5 BioLite Improved Stove Programme, India | **Markit link:** https://mer.markit.com/br-reg/public/project.jsp?project_id=103000000009709 | **Markit ID:** 9709 | **GS ID:** GS 1366