

Need of RO Plants for the community

Background:

Other than air pollution, nearly 7 lakh premature deaths are attributed to water pollution in India. When communities don't have access to clean water, they are often left with no other option but to wash with and drink contaminated water directly from swamps. Unsafe water causes water-borne illnesses such as Escherichia coli-induced diarrhea, cholera, typhoid fever, giardia, Hepatitis A, and dysentery. Communities need clean water to stay physically healthy and prevent diseases caused by a lack of adequate water, sanitation, and hygiene (WASH). When crops are irrigated with water that isn't contaminated, it leads to healthier people.

Given the diversity of the country, solutions have to be diverse, and given the quantum of biological and chemical contamination in water in rural India, an all-out effort is required by all concerned to solve this gigantic problem which will improve the overall health and thereby the productivity of the Nation. It is in this context that interventions under Corporate Social Responsibility (CSR) become relevant.

Ramky Foundation Interventions:

Ramky Foundation, being a CSR wing of the Ramky Group of Companies, addressing the needs of the communities, installs RO Plants around the surrounding sites of the RAMKY depending on the need. A baseline survey is conducted (to gauge the TDS Levels, PH Levels and Fluoride levels) upon receiving a request from one of the Ramky sites. Then, a bore well is dug, in case the Municipal Water supply is not available, at the respective site for the water supply to the RO water filter plant. Finally, the RO Plant is installed, which purifies the water from the bore well and provides palatable and potable water to the targeted communities.

The RO Plants installed by the Ramky Foundation are usually of **1000 litre per hour (LPH) capacity**, which suffices to purify water with **High PH level** and **<200 Total Dissolved solids (TDS) levels**. As there are many fluoride affected areas under Ramky, RO Plant installation becomes extremely significant as a part of our CSR Activities.

Since inception, Ramky Foundation has successfully installed **50 RO Plants** across India, providing safe drinking water to over **50,000 families**. RF has an action plan for the upcoming FY to install several more RO Plants in the rural areas of Tamil Nadu, Rajasthan, Maharashtra, Orissa and Uttar Pradesh.

Photo Gallery from the inauguration events of the RO Plants:





