

Report on RO plants promoted by EFFORT with the support of EKAMUSA & PGNF

Introduction:

Access to clean drinking water is crucial for public health and well-being. Recognizing this need, the EFFORT Organization took a significant step toward improving water quality in Jagarlamudivaripalem village, Janakavaram Ponguluru Mandal, Bapatla district, by installing a Reverse Osmosis (RO) water plant. This initiative was made possible through the generous support of the EKAMUSA Foundation and the Prakasam Global NRI Forum, showcasing a strong collaborative effort to enhance the quality of life for the local community.

Project Overview:

Jagarlamudivaripalem village, comprising 350 families with a population of 1,655 struggled with access to safe drinking water. To address this issue, EFFORT Organization facilitated the installation of an advanced RO water plant. This project not only aimed to provide clean water but also fostered community involvement and economic empowerment through sustainable practices.

Installation of RO plants

Initial meetings:

EFFORT has conducted the initial meetings with the leaders of the identified villages. We have discussed in detail about the RO plant establishment and role of the community.

The following aspects discussed in the initial meetings:

- ❖ Need of the RO plant in the village
- ❖ Best place to promote the unit
- ❖ Availability of the existing structure to set up RO plant or place to construct the new structure
- ❖ Existing water source to supply raw water to the plant.
- ❖ Maintenance of the RO plant including the price to supply the water to the families

Formation of the Plant Management Committee (PMC):

In the identified village, we have formed a Plant Management Committee (PMC) to take care of the RO plant as well as to promote good hygienic conditions in the village. The committee have been formed with eight members in which 2 are women members. The villagers have identified some active people who can contribute some time to the development of the village.

- ❖ **Election of Streetwise Representatives:** All benefiting families will elect streetwise representatives, who will automatically become members of the committee.
- ❖ **EFFORT's Role in Facilitating the Village Committee:** EFFORT will assist the village committee in developing functional systems to ensure a consistent and reliable water supply to all benefiting families.
- ❖ **Committee's Responsibility for User Charges and Corpus Fund:** The committee will be responsible for mobilizing regular user charges from benefiting families and generating the necessary corpus for the maintenance of the water supply scheme.
- ❖ **Capacity Building for the Plant Management Committee (PMC):** EFFORT will strengthen the Plant Management Committee (PMC) by providing training and ongoing support to develop skills in bookkeeping, financial management, scheme maintenance, and conflict resolution.

Construction of shed for the setting up RO plant:

One of the villagers has come forward to donate the land for the construction of Shed and the vacant place is available. The Plant Management Committee (PMC) is ready to construct the shed according to the design given by us. Borewell is also readily available to pump the raw water to the proposed RO plant.

Fixing the RO plant:

After completion of the construction of shed works, the required power connection has been taken from the department of Electricity. After seeing completion aspects of the sheds and power supply, EFFORT has procured and supplied the RO plant to the identified villages. The technicians came and erected the machinery with the involvement of the Plant Management Committee (PMC). The Plant Management

Committee (PMC) has identified active members from their village to act as operators to run the RO plant.

Training to the Plant Management Committee (PMC):

EFFORT has conducted a training programme for the committee members of the village as well as operators to perform their roles & responsibilities. The trainers from EFFORT have conducted training for these groups in their respective village itself.

Training topics for the members of (PMC):

- ❖ Understanding the Functioning of the RO Plant
- ❖ Roles of Committee Members to Increase RO Water Usage Among Families
- ❖ Discussion Topics for Monthly Committee Meetings
- ❖ Bookkeeping and Financial Management Maintenance
- ❖ Operator's Role and Monitoring Performance
- ❖ Strategies for the Sustainability of the RO Plant
- ❖ Promoting Village Cleanliness and Environmental Hygiene
- ❖ Collaboration with Rural Sanitation Department to Address Open Defecation
- ❖ Hygiene Education Campaigns to Improve Sanitary Conditions
- ❖ Special Campaigns for Drainage Cleaning in Coordination with Grama Panchayats
- ❖ Collaboration with the Health Department

The training sessions significantly enhanced the skills and knowledge of the committee members and operators. As a result, the committee is now managing the RO plant with confidence and efficiency.

Project Impact:

Health Improvement: A significant reduction in waterborne diseases, leading to better community health.

Community Empowerment: Encouraging self-reliance and participation in water resource management.

Sustainable Development: Providing long-term access to clean water while supporting local women's economic growth.

Conclusion:

The installation of the RO water plant in Jagarlamudivaripalem village highlights the collective efforts of EFFORT Organization, EKAMUSA Foundation, and Prakasam Global NRI Forum. This initiative has greatly improved access to clean drinking water, enhanced community health, and empowered local community through new livelihood opportunities. Moving forward, the project serves as a model for similar rural development initiatives, paving the way for sustainable and inclusive growth.

Testimonials



Testimonial 1: A Grateful Resident's Perspective

Before the RO plant was installed, our village struggled with access to clean drinking water. We often relied on unsafe sources, which led to frequent illnesses. Thanks to EFFORT Organization, EKAMUSA Foundation, and Prakasam Global NRI Forum, we now have a reliable supply of pure water. My children's health has improved, and we feel secure knowing that safe water is always available. This project has truly transformed our lives.

— **Vijaya lakshmi, Resident of Jagarlamudivaripalem Village**



Testimonial 2: A Community Leader's Perspective

As a member of the Plant Management Committee, I have witnessed the positive impact of the RO plant firsthand. The community has come together like never before, ensuring the plant runs efficiently and benefits every household. The training provided by EFFORT has empowered us with the skills to manage and maintain the plant for the long term. We are deeply grateful for this initiative, which has not only improved our health but also strengthened our village's self-reliance.

— **Krishna Murthy, Plant Management Committee Member**



Testimonial 3: A Farmer's Appreciation

Clean water is essential not just for drinking but for our daily lives. Before the RO plant, we faced many hardships, including frequent waterborne illnesses. Now, thanks to this project, our village has a dependable source of pure water. The community has also come together to ensure the plant runs smoothly. This initiative has given us hope and a better future. We are grateful for the efforts of EFFORT Organization and its partners.

— **Deva, Farmer, Jagarlamudivaripalem Village**



Testimonial 4: A Mother's Gratitude

As a mother, my biggest concern was the health of my children. Before the RO plant, we often fell sick due to contaminated water. But now, with clean and safe drinking water available in our village, I feel much more at peace. My children are healthier, and we no longer have to spend money on medical treatments. I sincerely thank EFFORT Organization, EKAMUSA Foundation, and Prakasam Global NRI Forum for this life-changing initiative.

— **Tulasiamma, Resident of Jagarlamudivaripalem Village**

