

# Matlam Water Project

Home

Problem

Solution

Expenditure

Team

Water, water & more water.  
But not a drop of drinking water.  
Elections came and elections went.  
Parties won and parties lost.

Complaints, protests, requests,  
petitions, everything was tried  
but the problem still remained and  
in fact it got worse.

**The MATLAM Water  
Development Project, is a  
solution to the drinking water  
or the lack of it.**

How Lok Satta & the people of Matlam



Issues & Challenges faced during RO



RO Plant Maintenance by Nava Yuva S



Vazeer garu about RO Project & Lok S



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**Drinking Water Problem:** MATLAM village in Kruthivenu Mandal, Krishna District is located just a few kms from the Bay of Bengal. Proximity to the sea water has made the ground water saline, forcing people to rely on other sources of water such as river/canal water, overhead water tank etc. However, each one of the sources have it's own set of challenges.

The tank water is not sufficient in summer and in rainy season, the ground water makes the tank water salty.

The river/canal water is that it's unprotected from the cattle and other livestock's and exposed to various other kinds of pollution, making the water contaminated with microbes.

The villagers now are left with no option but to buy purified drinking water from nearby towns which are as far as 30-40 kms and puts the low income families under heavy financial burden.

- A 20 liters can of purified water costs Rs 15-20
- Each household require at least 15 cans per month, which is costing Rs 225 - 300 per month towards drinking water expense.



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The local villagers along with the team of Loksatta volunteers, proposed the need for a reverse osmosis plant. The plant is estimated to purify 1000 liters of water per hour. On a normal day, it will be put operational for 10 hrs to produce 10,000 liters which is equivalent to 500 Cans of water.

To make the plant self sustainable, operationally, each can of water will be sold to the villagers for Rs. 2 (This is 25% of the price what they are paying now). It is estimated to generate Rs.60,000 per month as revenue.

After covering the operational cost (40,000), remaining amount will be accumulated in savings. This savings will be visited each year, by the Nava Yuva Seva Sangham Committee and spent on other pressing development needs in Matlam.



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Plant Setup	Cost
Reverse Osmosis plant	Rs 2,20,000
Building for the plant & a store room office	Rs 1,50,000
Water source tank (unpurified)	Rs 30,000
Borewell	Rs 30,000
Pump Set and pipelines	Rs 30,000
Alternative water source	Rs 30,000
Empty plastic cans for purified water (200)	Rs 26,000
Toolkit	Rs 5,000

Operational Details	Cost
4 Operators (Employees)	Rs 20,000
Electricity	Rs 10,000
Consumables/Replacement parts (Powder/Gel)	Rs 5000
Annual maintenance of the plant	Rs 5000

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## **Who made it possible?**

- ★ Seshamma : Elected Member for Ward # 5, Matlam Village
- ★ Yedukondalu – In Charge of Lok Satta, Matlam
- ★ Chennupati Vazeer, In Charge of Lok Satta, Krishna District
- ★ The villagers of MATLAM
- ★ The overseas supporters of Lok Satta

## **How were the funds raised ?**

- ★ A local villager, Tiruman Seethayya donated the land to set up the reverse osmosis plant
- ★ The local villagers who include fishermen, daily wage workers contributed almost Rs 30,000
- ★ The overseas supporters contributed closed to Rs 5,00,000

