

Integrated Village Development Program

“Solar Panghat: Bringing Safe Water, Dignity, and Hope to Every Household.”

Supported By: LTIMindtree

Implementing Partner Name: Arpan Seva Sansthan

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State: Rajasthan

District: Sawai Madhopur

City: Gangapur City

Village: Khedla

Challenge:

Before the intervention of the Integrated Village Development Programme, supported by LTIMindtree and implemented by Arpan Seva Sansthan, the residents of Sadak Ka Pura hamlet in Khedla village, Sawai Madhopur district, were facing severe drinking water scarcity. Women and children had to travel long distances every day to fetch water, often carrying pots on their heads in extreme weather conditions. The village depended on a few borewells owned by local landholders, but most of them remained dry due to declining groundwater levels.

During summer, the situation became even more critical, with limited access to safe drinking water affecting the health and daily lives of the community. The lack of clean water led to water-borne diseases, while children's education was also impacted as they often spent significant time helping their families collect water. The absence of a reliable water source created hardship, increased physical burden on women, and affected the overall well-being of the community.

The Turning Point:

The turning point for the residents of Sadak Ka Pura hamlet in Khedla village came with the intervention of Arpan Seva Sansthan under the Integrated Village Development Programme, supported by LTIMindtree.

To address the long-standing issue of drinking water scarcity, a Solar Panghat system was established in the village after detailed community consultations and technical assessment. A new borewell was installed near the Mahadev Temple and connected with a solar-powered motor and water storage tank to ensure a sustainable and reliable water supply.

With continuous technical support, community participation, and awareness on water management, the Solar Panghat began providing regular access to clean drinking water within the hamlet itself. For the first time, women and children no longer had to travel long distances to fetch water.

The availability of safe water improved hygiene, reduced health-related problems, and eased the daily burden on families. This initiative not only solved a critical water challenge but also brought a positive change in the quality of life and confidence of the community.

Our Intervention:

To address the drinking water crisis and strengthen access to sustainable water resources, the Integrated Village Development Programme, supported by LTIMindtree and implemented by Arpan Seva Sansthan, introduced the following key interventions:

1. **Community Need Assessment and Planning:** Detailed discussions and field assessments were conducted with the community to identify the severity of the water crisis and plan a sustainable solution.
2. **Installation of Borewell:** A new borewell was installed near the Mahadev Temple to ensure availability of groundwater for the hamlet.
3. **Solar-Based Water Supply System:** A solar-powered motor and solar panels were installed to lift water without dependence on electricity, ensuring uninterrupted and environmentally sustainable water supply.
4. **Construction of Water Storage Tank:** A water storage tank was constructed to store and distribute water efficiently across the hamlet for regular community use.
5. **Community Capacity Building:** Selected community members were trained on operation, maintenance, and basic repair of the Solar Panghat system to ensure long-term sustainability and ownership of the initiative.

Result:

Through the support of the Integrated Village Development Programme, supported by LTIMindtree and implemented by Arpan Seva Sansthan, the residents of Sadak Ka Pura hamlet gained regular access to safe and clean drinking water through the Solar Panghat system. Earlier, women and children spent several hours every day fetching water from distant locations, while water scarcity and poor water quality affected the health and livelihoods of the community.

With the installation of the solar-based water system, clean water became available within the hamlet itself, significantly reducing the physical burden on women and saving time for families. Children were able to focus more on education instead of helping in water collection activities. Improved access to safe drinking water also helped reduce water-borne illnesses and improved hygiene conditions in the village.

The initiative further strengthened community participation and ownership, as trained local members became involved in the maintenance and management of the system. Overall, the intervention has improved the quality of life, enhanced water security, and created a sustainable and reliable source of drinking water for the community.

Beneficiary Quotes:

“Earlier, our village faced severe water scarcity, and women and children had to travel long distances to fetch water every day. With the support of **LTIMindtree and the efforts of Arpan Seva Sansthan**, the Solar Panghat has provided easy access to clean drinking water within the village itself. Around **45 families are now benefiting from this initiative**. It has reduced the burden on women, saved time, and improved the overall quality of life for our community. **We are thankful to Arpan Seva Sansthan and LTIMindtree for this valuable support.**”

Karishma Jatav
Sadak Ka Pura, Khedla
Sawai Madhopur

