



MEGHDUTAM
FOUNDATION

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Address : 29, Mohim Chandra Das Sarani. Kolkata – 700012

Contact : +91 70448 33300 / 81007 74425

Email Id : meghdutamfoundation@gmail.com

Web : www.meghdutamfoundation.org

02 Ultra Filtration Plant in the remote village of Nadia Districts

Greetings from Meghdutam Foundation, a non-profit organization which has been working diligently round the clock to mitigate the sufferings of the marginalized section of people in the remote villages since the onset of the pandemic early 2020 with food, education, free oxygen at the doorstep of the Covid patients 24X7 during the second wave of oxygen crisis in April 2021 , disaster management during super cyclones Amphan , Yaas , self-reliant to the woman of the Shola industry in S 24 Parganas , education to the children of sex workers and slum areas and presently focused on the safe drinking water projects as we have successfully completed 4 of them already in place , providing safe drinking water to more than 19000 people daily .

The scarcity of safe drinking water affects the life of people largely in remote villages of West Bengal , as they lack a constant and reliable source of drinking water .

Meghdutam Foundation started the 'safe drinking water project' in June 2021 and successfully executed the first on **20 Sep 2021** in the tribal village of **Gangtie** in Suri , Dist Birbhum where there had been no source of drinking water . Around 8000+ people in the three adjoining villages of it are fetching potable water on a daily basis. Simultaneously in the same year , the second one on **07 October 2021** in the island village of **Iswaripur in Namkhana** , South 24 Parganas which was a real time challenge as the village is set on an island and each and every material had not only logistic challenge , but at the same time nature even (we had to transport everything on small boats). Here we went as deep as 1380 feet to source the water , which passes all benchmarks from TDS (total dissolved solids which is 500mg/lit) to lead, impurities and arsenic contents. Here almost 3000 people are having safe drinking water each day , as prior to our project , the villagers survived on pod water .

Our third project was successfully executed in South 24 Parganas Kultali village in **Jalaberia I on 28th September 2022**, where again this village with majority of them working in the bricklins has no source of drinking water .



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Presently , almost 4000 people are having potable water from our project , where the tests report of TDS , minerals are all within the permissible unit .

This fourth project in **Rasipur** village in Suri Sadar Division , Dist Birbhum on **13 April , 2025** was our most challenging endeavour, because the extraordinarily high levels of TDS surpassed all limits of commensable levels, with a TDS of 1542mg/lit against maximum 500mg/lit and most alarming being the lead content of 220 mg/lit , wherein the global benchmark is 0.01 . The water in the village was loaded with the taste of iron, and the high salt content was making it impossible for people to use for everyday purposes. It is beyond any person's imagination to grasp the extent to which the water sources were contaminated. We have installed Ultra filtration units, which filter the water in 4 steps of Sand filtration , charcoal filtration , Ultra filtration through membrane and finally through Ultra Violet (UV) , and we have been successful in meeting the global standards of purification for consumption. Here almost 4000 people have had potable water in their lifetime .

We are going to execute Two Safe drinking water projects in the remote village of Nadia Districts on a war footing basis as in this area there is no source of safe drinking water and is the hour of need.

Remain Respectfully Yours

Jaydeep Mukherjee
Founder & CEO

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