Most Economical Sewage Treatment Plant

***Eighty Percent of India's Sewage Goes Untreated Into City Water Supplies*.**

According to a report by Central Pollution Control Board, the existing sewage treatment capacity is just 18.6% of present sewage generation with the actual capacity utilization of Sewage Treatment Plant is 72.2% and as such only 13.5 % of the sewage is treated. Therefore, the remaining 86.5% of untreated sewage flows to rivers and lakes.

The main reason of this less treatment capacity is

1. High power demand by the plants (interruption in energy supplies).
2. Improper maintenance.

“Municipalities are garnering funds for building the power-consumptive sewage treatment plants, but don't have the money to pay their expensive electric bills, or the infrastructure to bring the sewage to them," Patel told IPS.
"Most such plants are not working".

You are thus required to design an efficient sewage treatment plant (for a city) which is most economical and reduce the untreated sewage problem.

Help Links to start:
http://www.planetkids.biz/documents/stpfacts.pdf
http://www.encyclopedia.com/topic/Sewage_treatment.aspx
http://cleantechnica.com/2010/05/04/saving-the-world-one-sewage-treatment-plant-at-a-time/

Timeline

Idea Proposal (give a link to the Idea Proposal section)	January 10th, 2016
Mentorship Kicks off! (give a link to the Mentorship section)	20th January **OR** As soon as your idea is selected (whichever is earlier).
Submission of final report	7th February, 2016
Presentation in Apogee, technical festival of BITS Pilani (give a link to the Presentation section)	February 25th – 28th , 2016
Implementation Phase (give a link to the Implementation section)	Based on the preferences of the organization (if providing an internship) and student