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*Brief presentation on
Scaling up sustainable SSHE, TSC & fluoride mitigation
(Water Safety Approach) in Ujjain & Jhabua Districts of M.P.*



*Sponsored by:
UNICEF, Bhopal*



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Dilution of fluoride water with dilution technology

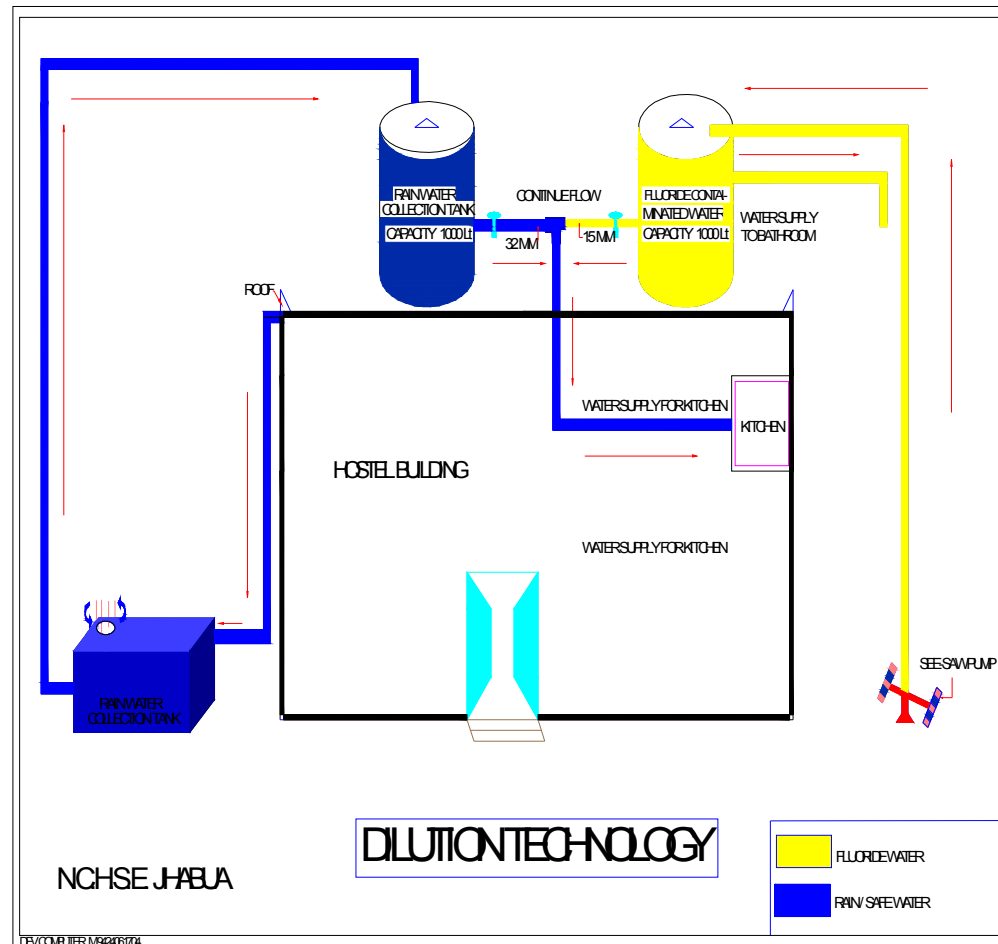
Specification: -

- One water storage tank (PVC) on roof for fluoride water(1000 lt.).
- One water storage tank (PVC) on roof for rain water(1000lt.).
- Supply of fluoride contaminated water from tube well to PVC tank.
- Supply of rain water from water storage tank to rain water tank (PVC make) at roof.



Mixing of water by dilution technology to provide 32mm GI pipe for rain water and 15mm GI pipe for fluoride water and mix in a point to provide a T socket or a small chamber(75% rain water&25 % fluoride contaminated water) as permissible limit. Two regulatory valve has been provided on both GI pipe for the regulation of water, if required in future to change the ratio of water quantity from both







Operation and maintenance

- Quantity of water should be available on both tank.
- Regulatory valve can be operated only after the testing of fluoride water
- Covers of the both tank should be covered properly.
- Proper color coding should be in pipe for both type of water



Benefits

- Availability of safe water by dilution technology .
- It is used for drinking & cooking purposes.
- It is a very easy process and sustainable in rural areas.
- Support to reduce the diseases of fluorosis like Skeletal, Non Skeletal & dental and creation in healthy environment



Thanks