

Case Study 15

A pictorial guide for the construction of a ferrocement Rainwater Harvesting Tank

Thanks to Renu Gera, Projects Officer, WESS (<mailto:%20rgera@uncdel.ernet.in>) of UNICEF, Mumbai, India for providing the information included in this Case Study.

The pictorial detail given in this case study covers the technique only. Please contact UNICEF India for further information on to construct this type of tank.

Please click on each intruction or thumbnail to see the relevant picture



Draw a circle where the footings will sit



Dig to a sufficient depth to lay the foundations



Lay the foundation



Erect the mould skeleton



Fix the galvanized iron (GI) sheets to the mould and cover them with two layers of chicken mesh



Add two further layers of chicken mesh at the bottom of the tank



Plaster from the outside



Remove the mould



Plaster from the inside



Cure the structure by draping wet hessian sacks



Making the cover - start with the reinforcing bars



Plastering the access cover



Plaster the three peices of the cover



Fitting the filter



Filling the filter with filter media



Completed tank

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