

CASE STUDY

INTRODUCTION

GreEnviro Environmental Solutions has designed, supplied, commissioned 60 KLD Greywater Treatment Plant using MBR for a Construction Company.

CHALLENGE

To produce RMC purpose reusable treated water from Greywater of Labor colony situated at construction site.

SOLUTION OFFERED

To achieve results compatible to reusable water for RMC as per IS 456 – To be used for concreting, Membrane Bio Reactor (MBR) process was employed. After the reduction of COD, BOD and suspended impurities (from MBR) the water was recycled to be used for the Ready-mix concreting purpose.

RESULTS ACHIEVED

The product water after MBR

- Free from organic pollutants & suspended solids
- Turbidity < 0.1 NTU
- Free from color
- Free from odor
- Recovery 90%

BENEFITS TO CLIENT

- Restricts pollution and saves environment.
- Compliance with the Environment Department laws.
- Treated water well within the safe limits as per IS 456.
- Portable Plant to be move to another construction site.
- Reduction in volume and associated fresh water cost.
- Fully automatic system with minimum manual intervention.
- Maximum recovery with minimal discharge.
- Small footprint saved area is used for other utilities.
- Superior design leading to lower operation cost .
- No foul smell/ odor.

