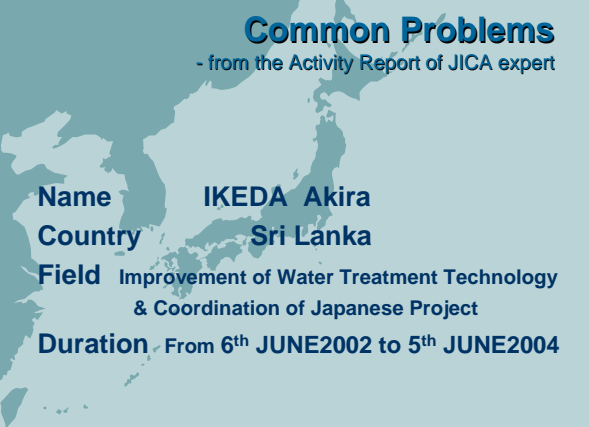


Common Problems

- from the Activity Report of JICA expert



Name IKEDA Akira
Country Sri Lanka
Field Improvement of Water Treatment Technology & Coordination of Japanese Project
Duration From 6th JUNE2002 to 5th JUNE2004

Karatuwawa (Flocculation Basin)

Without Rapid Mixer

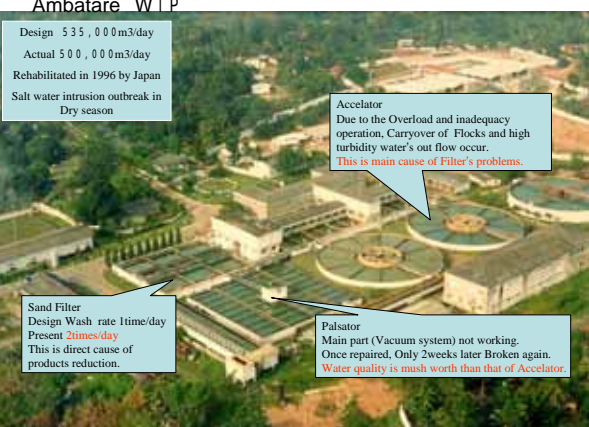
With Rapid Mixer (Repaired)

Maintain of facilities is the first priority!!

Large Light (weak) Flock
In Japan we call these "Scum"
Treated Color 7.5

Small but firm Flock
Treated Color 2.5 even low
water's color 30.

Ambatere WTP



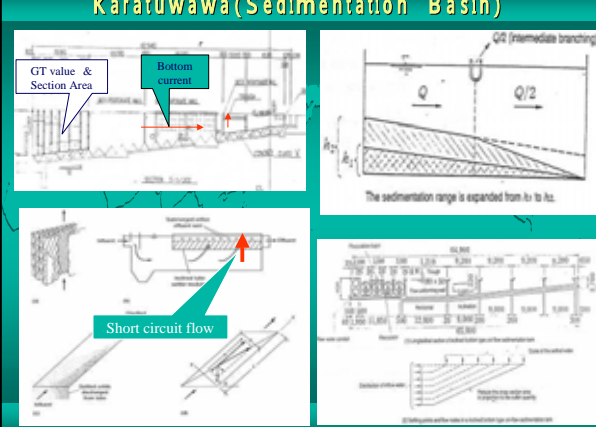
Design 535,000m³/day
Actual 500,000m³/day
Rehabilitated in 1996 by Japan
Salt water intrusion outbreak in Dry season

Accelerator
Due to the Overload and inadequacy operation. Carryover of Flocks and high turbidity water's out flow occur.
This is main cause of Filter's problems.

Sand Filter
Design Wash rate 1time/day
Present 2times/day
This is direct cause of products reduction.

Palstar
Main part (Vacuum system) not working.
Once repaired, Only 2weeks later Broken again.
Water quality is much worse than that of Accelerator.

Karatuwawa (Sedimentation Basin)



GT value & Section Area

Bottom current

Q/2 (Intermediate branching)

The sedimentation range is expanded from 1m to 1.5m.

Short circuit flow

Ambatere



JAPAN



Interface


D=1.5m

DI PIPE

First meeting



Touch up



After Complaint

Delivery is delay



Improved

Grooving for Pipe cutting at Factory

