



Water quantity	Facility ability
(m³/d)	(m³/d)
40,044	54,750

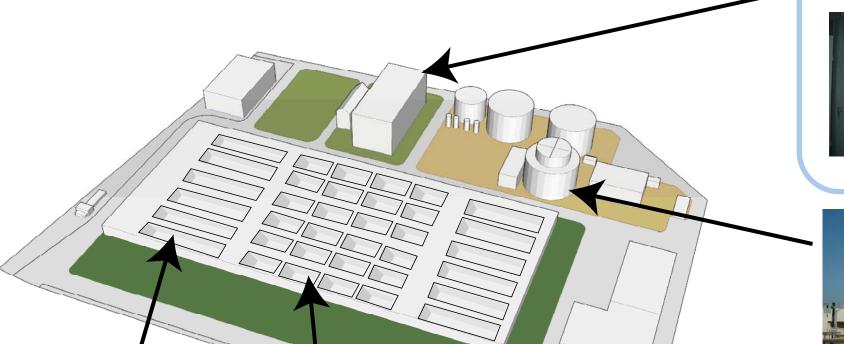
## [Water quality]

	Inflow quality	Effluent quality	Removal ratio
	(mg/L)	(mg/L)	(%)
BOD	189.8	3.9	97.9
COD	83.5	8	90.4
SS	134.2	1.6	98.8
TN	43.2	11	74.5
TP	4.56	1.7	63.8

BOD: Biochemical Oxygen Demand COD: Chemical Oxygen Demand SS: Suspended Solids
TN: Total Nitrogen
TP: Total Phosphorus

## **IMABARI** Wastewater Treatment Plant

IMABARI Wastewater Treatment Plant was built for the purpose of treating wastewater discharged from central area of Imabari City in 1976. It is the first wastewater treatment plant in the city.





Reaction Tank (Standard Activated Sludge Process )

Final Sedimentation Tank

Final Sedimentation Tank

(Inner Structure)



Reaction Tank (Diffuser)



Primary Sedimentation Tank



A Distant View of Primary Sedimentation Tank and Sludge Treatment Building





Sludge Treatment Building



Digestion Tank



Administration Building



Blower Systems



Name	IMABARI Wastewater Treatment Plant		
Operation Started	1976		
Site Area	331a		
Type of Sewer System	Separate System(partly Combined System)		
	BOD	15mg/L	
Designed Final Effluent Quality	T-N	20mg/L	
	T-P	3.0mg/L	

#### Wastewater Treatment Facilities

Facilities	Specification		Number
Primary Sedimentation Tank	W [Width]	9.0 m	
	L [Length]	32.0 <b>m</b>	6
	D [Depth]	<sup>3.9</sup> m	
Standard Activated Sludge Process			
54,750 <b>m</b> ³/day			
Reaction Tank	W [Width]	9.0 m	
	L [Length]	<sup>54.9</sup> m	6
	D [Depth]	6.0 m	
Final Sedimentation Tank	W [Width]	9.0 m	
	L [Length]	34.0 m	6
	D [Depth]	3.6 m	
Chlorine Contact Tank	W [Width]	1.5 <b>m</b>	
	L [Length]	68.0 m	3
	D [Depth]	2.0 m	

### Sludge Treatment Facilities

Facilities	Specification		Number
	W [Width]	11.0 m	
Gravity Thickener	L [Length]	11.0 m	1
	D [Depth]	3.0 m	
	ID [Inside Diameter]	18.0 <b>m</b>	1
Anaerobic	D [Depth]	14.5 <b>m</b>	'
Degestion Tank	ID [Inside Diameter]	17.0 m	2
	D [Depth]	8.5 <b>m</b>	۷
	W [Width]	4.0 m	
Sludge Tank	L [Length]	<sup>4.0</sup> m	2
	D [Depth]	2.75 <b>m</b>	
Sludge Dewaterer	10 m³/h		3
(Centrifugal Decanter)			3



# Wastewater Treatment Systems

