

# Sonia Vihar drinking water treatment plant



SUEZ has set up the largest Single Phase Drinking Water Treatment Plant in India, for the Delhi Jal Board, at Sonia Vihar, Delhi. This plant of 635 MLD Capacity, was customised on Design - Build-Operate (DBO) basis, utilizing SUEZ's state-of-the-art Technology involving pulsating type sludge blanket clarifiers and high rate Aquazur® V filters. The plant is operated by SUEZ since 2006 up to 2027.

## water supply in Delhi

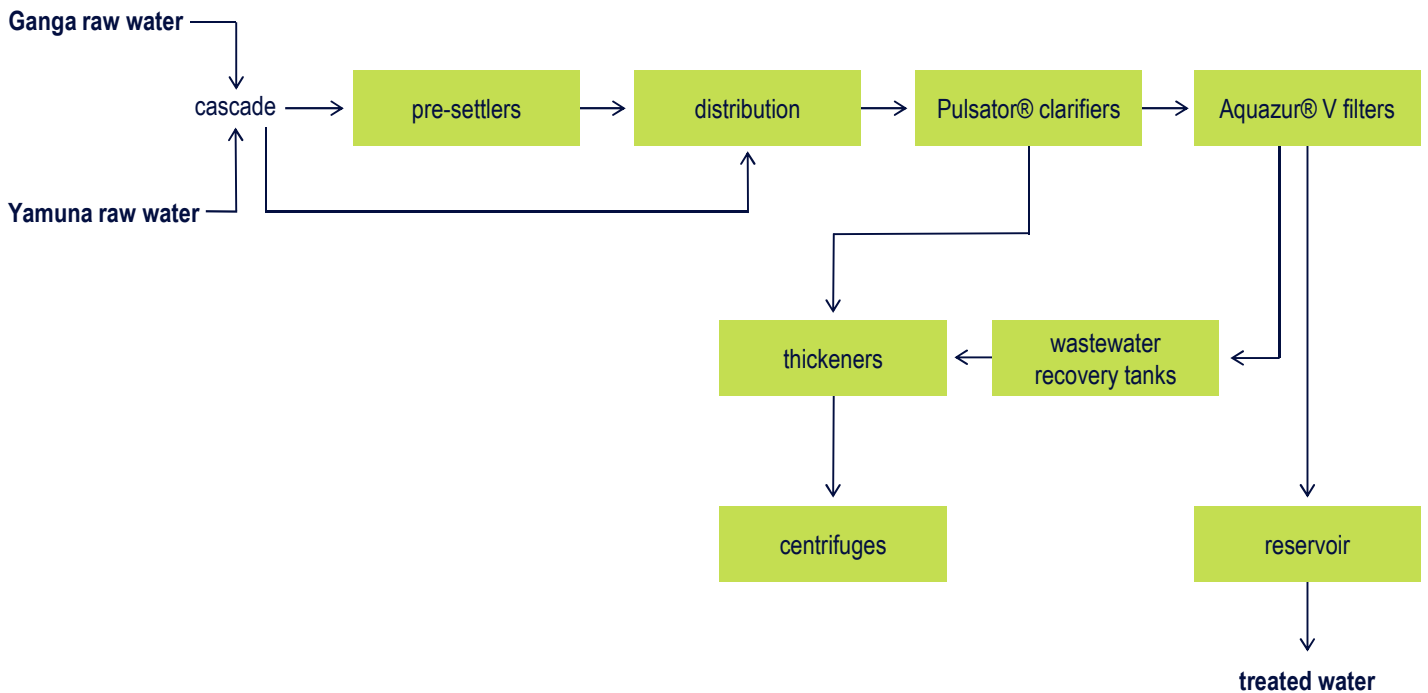
Present supply	675 MGD
Sonia Vihar water treatment plant	140 MGD
Total supply after the commissioning of Sonia Vihar water treatment plant	815 MGD



## salient features

- India's largest conventional water treatment plant with settled sludge and filter backwash water recovery,
- State-of-the-art proven technologies suiting Indian conditions,
- Well - proven & extremely efficient three phase treatment process,
- Extremely low water Tosses, less than 1.5% from the entire plant,
- Fully automatic plant with SCADA controls,
- Compact plant layout & optimum land usage, 50% saving compared to conventional designs,
- Beautifully landscaped plant with terrace gardens.

## treatment process



## a technological landmark

### Pulsator® clarifiers

#### benefits

- Flexible & compact units.
- Low chemical & power consumption.
- Robust to flow & load variations.
- Easy maintenance with no moving underwater mechanical parts.



### Aquazur® V filters

#### benefits

- Extremely compact unit.
- Reduces water losses by almost 40% compared to conventional filters.
- Efficient design provides excellent treated water quality.
- Combined air scour & water backwash, operates without expanding the filter media, hence low media loss.
- High operational flexibility.



## treated water guarantees

Parameters	Value
Taste & odour	Unobjectionable
Colour	< 5 Pt-Co
Turbidity	< 1.0 NTU
pH	7.0 to 8.0
Free chlorine residual	> 1.0 mg/l, Cl
Iron, Total	< 0.1 mg/l, Fe
Residual Aluminium	< 0.1 mg/l, Al
Total Coliforms	0 MPN / 100 ml

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Since March 2015, all the Group brands (Degrémond, Ozonia, Aquasource, Ondeo IS, Ameriwater, Infilco, Poseidon...) became SUEZ.

Meanwhile, from now on, the technologies and know-how of our Treatment Solutions offer will be distinguished with the label **degrémond®**.