



DLF EDGE

New Generation Workplaces

9th Edition

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Being Water Wise



Cybercity

India's Largest Integrated Business District

www.dlfcybercity.com

Being Water Wise!

As early as in 2004, DLF realized the importance of conserving and recycling water in the largest office space like DLF Cybercity, Gurgaon. DLF has invested heavily in Cybercity, Gurgaon to ensure conservation and management of renewable sources with initiatives like rainwater harvesting, generation of power using clean fuel, etc.

Here is some interesting data.

Only 0.036% of the total water on planet Earth is found in lakes and rivers and hence easily accessible to humans. No wonder, as water becomes scarce, Water Management is becoming an important area under the sustainability banner for governments, corporate and civil society across the globe. As the pioneer in numerous green initiatives, water conservation and management has been one of DLF's key missions across the country.

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Given the high number of MNCs present and others keen to set their base in one of the best planned workplace in India, the water requirement from offices, restaurants, etc, will be on a rise in DLF Cybercity, Gurgaon. For instance, during peak summer, DLF Cybercity consumes about 9.5 MLD (million litres per day) of water. The local authority supplies only about 3 -

STP – Saving The Planet

The Sewage Treatment Plant is contributing to Save The Planet. Here's why...

- Caters to 60% of water requirement at DLF Cybercity, Gurgaon
- Conserves our precious resource, Water, by recycling 6.5 million litres per day
- Saves over Rs. 50 Lakhs per month i.e. approx. Rs. 2.4 lacs per day on private rates & up to Rs. 24000 on Govt rates.
- Creates a multiplier effect as it provides clean fuel for the zero emission Co-Gen power plant in DLF Cybercity
- Helps keep DLF Cybercity green as recycled water used for horticulture
- Consumption of Soft water in cooling tower and AC Plant – 3.00 - 4.00 MLD

3.2 MLD of water which is used for drinking, pantry and wash basins purposes. To mitigate the risk of water scarcity, DLF's STP facility with a capacity of 7 MLD, recycles 100% of waste water and ensures that people in DLF Cybercity do not have to face the water crunch and feel the heat. A part of the recycled water is used for flushing and horticulture needs. Further, 100% of STP sludge is used as manure for Horticulture to ensure that DLF Cybercity emerges a green workplace.

The STP is in line with DLF's vision of sustainability at Workplace. Since part of the recycled water is used for the cooling towers, the STP's outlet water quality standard is much stricter than the

Environmental Protection Rules 1986. To guarantee that the STP works at its optimum efficiency, DLF does regular monitoring including a bi-weekly check and has strict Service Level Agreement (SLAs) of under 4 hours to rectify any concerns with the STP.

While it certainly proves that incorporating environment friendly policies into the planning process can help not only to stop further degradation of our environment, but can also save cost. Without the STP and with limited water supply from the local authorities, DLF and its tenants would have had to pay a higher cost for water consumption. One can only imagine this by comparing the water supply cost of



“DLF believes and commits to the sustainable way of creating a great workplace. Initiatives like zero emission Co-Gen plant, rain water harvesting, 100% recycling of water through the STP and many more in the pipeline makes DLF Cybercity the ideal destination to work in.”

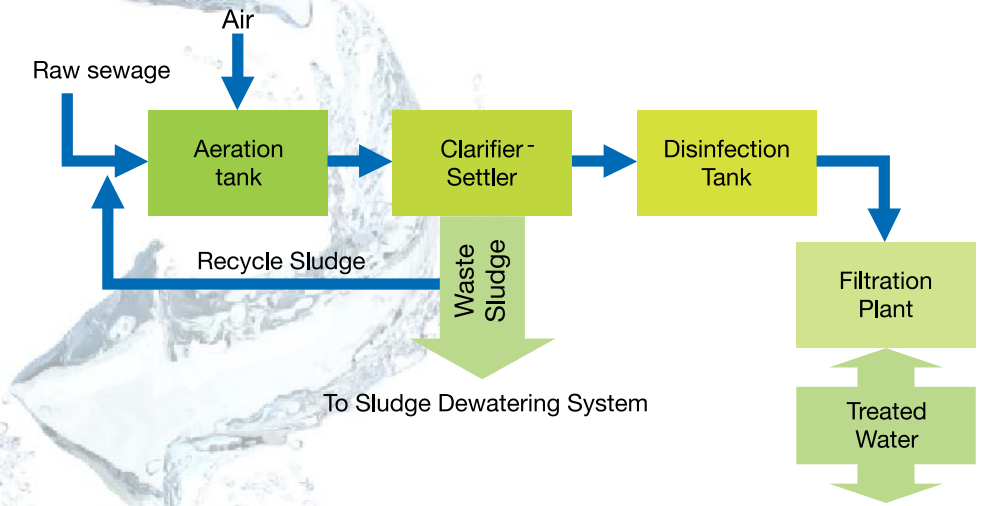
Amit Grover
National Director - DLF (Offices)

the authority and private tank water suppliers with respect to the cost saved due to the STP. For instance, while the authority supplies water at Rs 4 per kilo litre, tankers supply water at over Rs 40 per kilo litre. Imagine the cost implications at 9 MLD ?

While water conservation and management is the new mantra for many, very few companies like DLF, have successfully applied the concept into practice.

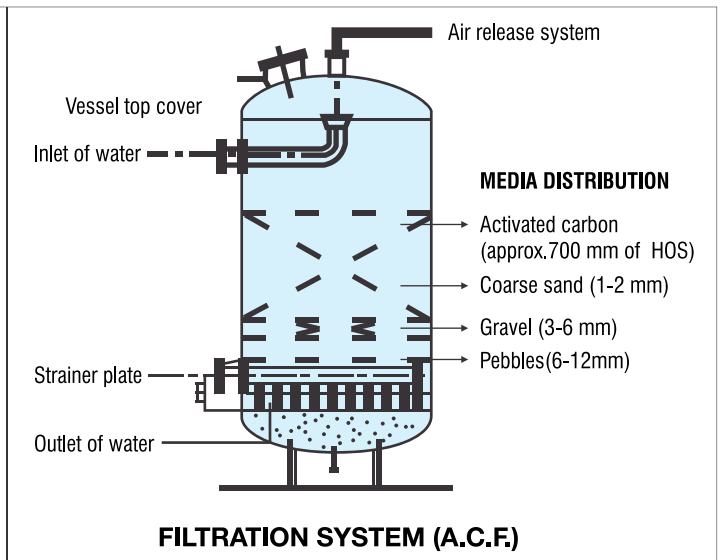
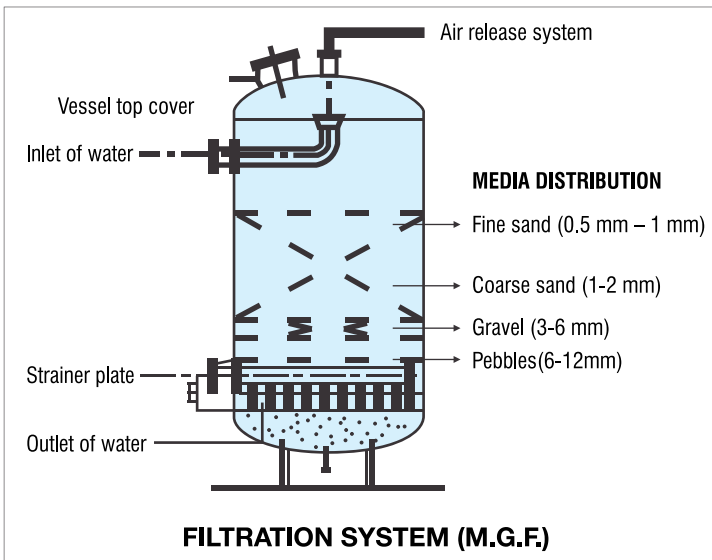
A visionary thinking and serious commitment from leadership at DLF has been the key to ensure that our precious resource, water, is recycled and reused.

Schematic Diagram of STP



- 100% of waste water is being treated by our centralized STP of 7MLD.
- 100% recycled process water is being used in cooling towers & horticulture.
- 100% STP sludge is used as manure in horticulture.
- Our STP outlet water quality standard is much strict than the Environmental Protection Rules 1986 such as:

Parameters	CPCB Limits	DLF Standard	Actual
PH	5.5.-9.0	7- 8	7.9
BOD	<30 PPM	<20 PPM	15
COD	<250 PPM	<60 PPM	48
TSS	<100 PPM	<15 PPM	9
Oil & Grease	<10 PPM	<5 PPM	1.6





“The Sewage Treatment plant at DLF Cybercity, with a 7 MLD capacity, is one of the largest facilities among the commercial spaces in the country. It has helped us to recycle 100% of wasted water, reduce cost of water to DLF and its tenants and provide them facilities of a green building in true sense.”

Gautam Dey
 National Head-Customer Assurance



“Provisioning of appropriate equipment & system is important, but more important is to provide optimum resources e.g. material, skilled manpower etc for sewer treatment plant’s operations & maintenance to utilize the sewer treatment plant to it maximum capability. At DLF, we are committed to recycle every drop of waste water & use it in best possible ways.”

Mukesh Chandra
 DGM-Technical



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With effect from 1st April, 2013, DLF has outsourced the general maintenance to "Jones Lang LaSalle" and "Cushman & Wakefield" for our leased office buildings portfolio pan India.