



**PRESS RELEASE
DELHI JAL BOARD**

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For favour of publication:

Dated: 29-05-2019

DJB approves projects of water augmentation, clean Yamuna, groundwater rejuvenation

- Clean Yamuna: Largest STP of India to be built in Okhla
- New WTP at Chandrawal to boost water augmentation
- New Lake to come up behind Rajghat, water museum at Kilokri

The Delhi Jal Board in its 146th meeting held under the chairmanship of Chief Minister Delhi and Chairman DJB cleared many important projects. The projects range from augmentation of drinking water, clean Yamuna, groundwater rejuvenation among others. The meeting was held on Wednesday at the Delhi Secretariat.

Drinking water augmentation: New WTP at Chandrawal

The Delhi Jal Board approved the construction of an additional 477 MLD/106 MGD (48 crore litres per day) Drinking Water Treatment Plant in Chandrawal at the cost of Rs. 598 Crores with the advanced technology of Ozonation and Activated Carbon to ensure un-interrupted working of plant. It will be able to treat high ammonia content up to the extent of upto 4 ppm in the Yamuna Raw Water (Raw water source). Earlier, the plant has to be shut down during presence of 1 ppm of ammonia in the raw water and resulted in disruption in water supply in its entire command area.

This project is funded under JICA Scheme. This plant will be constructed in the time period of 3 years. This will resolve issue of frequent stoppage of WTP due to ammonia discharge by Haryana. This capacity will be constructed in addition to existing 90 MGD plant. Part of Existing Plant i.e. 55 MGD would also be rehabilitated at the cost of 95 Crores which was already approved by Board in earlier meetings.

After completion of this new plant having latest advanced Central Water Monitoring System installed to monitor and control water flow in its entire command area, the plant will be able to handle ammonia content up to 4 ppm and will not have any disruption in its operation and maintenance.

This scheme is part of the complete rehabilitation of the water supply network in Chandrawal WTP command area. The balance 5 packages of rehabilitation of water supply network, pumping stations is also in the advance stages of tendering and estimation process and will be rolled out in next 4-5 months.

The Chandrawal WTP command area has been considered as one of the project for improvement of water supply as per recommendations of JICA master plan study.

The main objective of Delhi Water Supply Improvement Project (DWSIP) is to achieve equitable and continuous water distribution in the Command area of Chandrawal WTP by improving the water supply network, service provided to customers etc thereby resulting in upgrading citizen's standards.

It will cater to Walled city areas, Civil Lines, Karol Bagh, Rajender Nagar, Naraina, Delhi Cantonment area partly, NDMC areas, Chandni Chowk etc. The total number beneficiaries would be around 22 lakhs.

Clean Yamuna: India's largest STP in Okhla

The board accorded approval to the construction of a new 564 MLD (56 crore and 40 lakh litres) per day capacity Sewage Treatment Plant at Okhla at a total cost of Rs. 1161 crores. This will be the largest wastewater treatment plant in India and one of the largest wastewater treatment plant in the world. It will treat sewage to stringent effluent parameters of Biological Oxygen Demand (BOD) and total Suspended Solids (TSS) <10 mg/l along with nitrogen and phosphorus removal and disinfection which will improve the quality of water in river Yamuna. The new STP in Okhla comes under Yamuna Action Plan - III scheme.

It will be state of the art, fully automated plant with SCADA system. Moreover, it will be an integrated plant which will not only treat sewage but will also have complete sludge management facility so that sludge generated at the plant can be handled in an environment-friendly manner. Sludge management has also been included in the scope of the work of this project.

The project will have huge impact on the quality of water of river Yamuna. The new STP will remove 41,200 Kg per day organic pollutant load and 61,600 Kg per day Solid load on Yamuna.

It will cater to the areas of Chandni Chowk, Kashmere Gate, Daryaganj, NDMC areas, Lodhi Colony, Nizamuddin, Okhla, Badarpur, Kalkaji, Malviya Nagar, Katwaria Sarai, Lajpat Nagar, Greater Kailash and South Delhi - from Munirka to Badarpur etc. It will cater to around 40 lakh residents of the area.

Ground water rejuvenation: New Lake at Rajghat

Due to depleting groundwater and dependence on neighbouring states on the requisition of water, DJB is coming up with innovative ideas to recharge groundwater through rainwater harvesting and rejuvenation of existing water bodies. DJB has already taken the initiative of rejuvenation of water bodies and creating new water bodies. Now DJB has taken up another innovative proposal to create a water body at the existing depressions behind Rajghat.

The board accorded approval to the development of a lake of 40 acres to be created near Rajghat Bus Depot. Water will be sourced from Delhi Gate 15 MGD STP, which is right now discharging treated water into the Yamuna. Provision of landscaping has also been included in the proposal of the development of the lake.

The site used to be ash pond for the Rajghat Power Plant. Site has not been utilized since the closure of Rajghat Power Plant. This project will be crucial in developing Ecological importance and Biodiversity of Yamuna Floodplain. The project will also reduce 675 kg of organic load pollutant flowing into the Yamuna. The total cost approved for the project is Rs. 36.51 Crore.

The lake will remove 675 Kg per day organic pollutant load and 675 Kg per day solid load from Yamuna.

Water Museum at Kilokri

The board also approved the construction of a Water museum, training centre and water body at Kilokri. The Delhi Jal Board will be constructing the water museum to a) disperse information related to water, wastewater, rain water and historical relation of Delhi with River Yamuna, its transition from water utility to comprehensive solution provider with changing scenario.

It will also have a dedicated Training centre for schools Kids, professionals, RWAs, NGOs and public at large where training of Water conservation, Rainwater Harvesting, De-centralised Wastewater Treatment, Waterbody conservation and Lake Rejuvenation, Groundwater Recharge etc will be provided.

DJB is the sole executing body dealing in water and wastewater services in entire Delhi. The organisation over the years has evolved from old to advance technologies, unique instruments, various innovative activities etc. To showcase these transformations and preserve these old memories, the Board approved the proposal of *Water Museum*. Further, to make the place look scenic and to recharge the groundwater, the existing tanks of pre-independence era, shall be utilised as a water body along with landscaping within the vicinity to allow percolation of treated effluent, thereby, contributing in the recharge of groundwater. DJB has a 3 acre of land adjacent to the Kilokri SPS which will be used for the museum. The project cost is Rs. 12 crore.

14 STPs in the command of Najafgarh Drainage Zone

The Board also approved construction of new 14 STPs in the command of Najafgarh Drainage Zone, along with laying of internal sewerage system in Somesh Vihar, Jhuljhuli and Dichaon Kalan Group of Colonies consisting of 160 unauthorized colonies and 47 villages covering a population of around 8 lakh. Earlier due to paucity of funds it was proposed to construct these 14 STPs and peripheral lines as per Sewerage Master Plan (SMP) - 2031 without laying the internal sewer lines and trap the drains carrying sewage in the command areas.

An independent study by M/s. WAPCOS recommended that the current drain discharge is very less as compared to the proposed capacities of 14 STPs and advised that laying of internal sewer system is essential to trap entire sewage generated from the area.

Recommendation of M/s. WAPCOS to construct 14 STPs in phased manner was approved by the Board with the direction that the work be taken up accordingly.

It was further directed by Board that DJB shall approach NMCG for funding of balance 7 STPs and funding from UDF/ Delhi Govt./ other funding agencies shall be explored for the scheme of internal sewer lines under the command of these 14 STPs.

Boost to conservation and augmentation of groundwater resources

The Board further approved the policy of empanelment of institutions/firms/agencies for implementation of rainwater harvesting system in NCT of Delhi.

To encourage rainwater harvesting system including rooftop water harvesting, the empanelment of these agencies will go in a long way in conservation and augmentation of groundwater resources. These agencies will actively promote and provide policy guidelines/ technical knowhow regarding rainwater harvesting to the large population of Delhi. This will enable common man to easily install a rainwater harvesting system in their houses/premises. This project has the capacity to benefit around 2 crore residents of Delhi.
