Delhi Jal Board

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The Delhi Jal Board (DJB) is responsible for the production and distribution of potable water, after treating raw water from various sources like river Yamuna, Bhakhra Storage, Upper Ganga Canal & Groundwater, and facilitates treatment and disposal of wastewater. DJB provides water in bulk to the NDMC and Cantonment areas. Sewage from these areas is also collected for treatment and disposal by the Delhi Jal Board through the 9000 KMs sewage line that operates across Delhi.

The Delhi Jal Board (DJB) is primarily responsible for the production and distribution of drinking water as well as for collection, treatment and disposal of domestic sewage. Currently, 930 MGD of potable water is supplied through the 15007 KM water network developed by DJB, connecting more than 93% households to piped water supply.

More than 1000 water tankers are deployed on a daily basis with multiple trips for supplying drinking water in the areas which are not having piped water supply networks and in the water deficit areas. Delhi Jal Board is also progressively extending piped water supply networks in unauthorized colonies.

GOALS OF THE DELHI JAL BOARD:

1. Ensuring consistent and reliable water supply to all residents of Delhi

Ensuring that all residents of Delhi have continuous access to clean water with minimum leakages in the water pipelines.

2. Efficient Conveyance, Treatment and Disposal of sewage

Ensuring that sewerage facilities are available in all localities in Delhi and sewage is treated and disposed efficiently to reduce the disposal of untreated sewage into water bodies.

3. Reduction in Water Pollution

Undertake initiatives and programs to rejuvenate and restore the Yamuna river. This involves rehabilitating and upgrading the STPs feeding treated sewage to the Yamuna.

GOAL 1: Ensuring consistent and reliable water supply to all residents of Delhi

Ensuring that all residents of Delhi have continuous access to clean water with minimum leakages in the water pipelines.

Schemes included:

S.No.	Name of Scheme	Budget Allocation 2021-22 (In Cr)
1	Metering and Leakage Management	45
2	Water subsidy to consumers	600
3	Providing water supply in Unauthorized Colonies	300
4	Providing water supply in rural areas/urban village/resettlement colonies/ squatter resettlement colonies/ JJ Clusters	37
5	Replacement of old distribution system & strengthening of transmission network	160
6	Ranney wells & Tube wells	100

S. No.	Name of the Scheme	Scheme Objective	OC/ OP	Indicator	Actuals		Target	Actuals
					FY 20	FY 21	FY 22	Q2 21-22
1	**Metering and Leakage Management**	a) To measure the total quantity of water consumed in the city	OP	Average water production per day (in MGD)	909.08	927.30	935	932.88
			OP	% of water lost (Non revenue water)- 'Unaccounted Water	42	51	41	52
			OP	Total Active Consumers receiving piped water from DJB (in lakh)	24.94	25.83	27	26.25
			OC	Total active consumers with functional meters (in lakh)	15.25	17.35	22	21.71
			OC	% of households receiving piped water supply	91	93	95	93

OP- Output, OC- Outcome, NA- Not Available

S. No.	Name of the Scheme	Scheme Objective	OC/ OP	Indicator	Actuals		Target	Actuals
					FY 20	FY 21	FY 22	Q2 21-22
		b) To Measure overall billing & collection efficiency	OP	Water quantity delivered to consumers that is billed (in MGD)	525	457	550	449
			OP	Total Revenue Due / Demand Raised (in Cr/ annum)	2055	2174	2300	1163
			OP	Total Revenue Collection (in Cr/ annum)	1637	1774	1950	720
			OP	Efficiency of bill collection (%)	79.64	83.49	85.00	61.87
2	**Water subsidy to consumers**	To give free lifeline water of 20,000 litre water per month	OP	Water subsidy given per month (Rs.in crore)	39.68	45.41	50.00	46.00
			OC	% of consumers availing the subsidy (metered connections/ active consumers- 27 lakh)	48	48	50	53
3	**Providing water supply in Unauthorised Colonies**	To expand the piped water network in unauthorised colonies and reduce the number of water tankers for supply of water. There are a total of 1799 unauthorised colonies in Delhi	OP	Length of new water pipeline laid (km)	4685	4780	5100	4820
			OC	% of unauthorised colonies where pipeline network is provided	96	97	98	97
			OC	% of unauthorised colonies where water supply commissioned	93	94	95	94
			OC	% of households with metered connections	655513	660934	670000	665182
4	**(a)Providing water supply in rural areas/ urban village/ resettlement colonies/ squatter resettlement colonies/ JJ Clusters**	To expand the piped water network in rural areas/ urban village/ resettlement colonies/ squatter resettlement colonies/ JJ Clusters and reduce number of water tankers for supply of water	OP	Length of new water pipeline laid (km)	2018	2022	2032	2028
			OC	% of rural areas/ urban village/ resettlement colonies/ squatter resettlement colonies/ JJ Clusters connected to water pipeline	99	99	100	99

OP- Output, OC- Outcome, NA- Not Available

S. No.	Name of the Scheme	Scheme Objective	OC/ OP	Indicator	Actuals		Target	Actuals
					FY 20	FY 21	FY 22	Q2 21-22
	(b)Augmentation of water supply		OC	Average no of water tankers supplying water (per day)	1108	1136	1150	1190
			OC	Average water supplied by water tankers supplying water (per day)	4.46	4.39	4.5	4.63
5	**Replacement of old distribution system & strengthening of transmission network**	To prevent water losses (through leakages), increase water pressure in pipelines, and prevent contamination of water in rising mains	OP	Length of old/ defective pipeline replaced (km)	2561.94	2748.67	3000.00	2873.57
			OC	Average amount of water saved by plugging leakages in million of gallons per day (MGD)	3	3	5	3.43
			OP	Average of samples tested	16888	17105	13000	14336
			OC	% of samples found meeting water quality	98.73	99.65	100.00	99.57
6	**Ranney wells & Tube wells**	To augment the availability of water through addition and rehabilitation of tube wells and Ranney Wells	OP	No. of tube wells added (new)	4196	4234	4434	4281
			OP	No. of tubewells reboarded	432	454	654	547
			OP	No. of Ranney wells functional	7	9	9	9
			OC	Average water supplied from Ranney wells & tube wells per day (MGD)	90	95	110	95

GOAL 2: Efficient Conveyance, Treatment and Disposal of sewage

Ensuring that sewerage facilities are available in all localities in Delhi and sewage is treated and disposed efficiently to reduce the disposal of untreated sewage into water bodies.

Schemes included:

S.No.	Name of Scheme	Budget Allocation 2021-22 (In Cr)
1	Mukhyamantri Muft Sewer Connection Yojna (Grant-in-aid House Service Connections-Sewer)	1
2	Sewerage Treatment Plants (STP), Sewerage Pumping Stations (SPS) & Rising mains	450
3	Sewerage facilities in Unauthorised Colonies	450
4	Trunk, Peripherals, Sewer and Gravity Duct	200

S. No.	Name of the Scheme	Scheme Objective	OC/ OP	Indicator	Actuals		Target	Actuals
					FY 20	FY 21	FY 22	Q2 21-22
1	**Mukhyamantri Muft Sewer Connection Yojna (GIA House Service Connections-Sewer)**	To provide free sewer connections to residents of Delhi for abatement of pollution of River Yamuna through drains	OP	Total No. of sewer connections planned	0	11440	25000	21241
			OC	No. of households benefited - connected with sewers (in lakh)	NA	34320	75000	63723
			OC	Estimated reduction in sewage flow in drains (MLD)	0	5.56	12	10.32
2	**Sewerage Treatment Plants (STP), Sewerage Pumping Stations (SPS) & Rising mains**	a) Operation and maintenance (O&M) of existing STPs	OP	Total Sewage generated in Delhi (MGD)	720	720	748	748
			OP	Total no. of existing STPs	32	35	38	35
			OP	Total installed capacity of existing STPs (MGD)	597	597	687	597
			OP	% of installed capacity of STPs that is currently under use	83	88	88	88

OP- Output, OC- Outcome, NA- Not Available

S. No.	Name of the Scheme	Scheme Objective	OC/ OP	Indicator	Actuals		Target	Actuals
					FY 20	FY 21	FY 22	Q2 21-22
		b) Improvement and augmentation of sewerage under construction	OC	% of treated effluent samples that met all quality standards at STPs	19	17	23.7	17
			OP	No. of new STPs under construction	17	16	2	2
			OP	Total Capacity of STPs under construction (MGD)	0	102	90	90
			OP	No. of STPs newly commissioned	1	0	1	0
			OC	% of total sewerage that goes to river Yamuna untreated	28	26	19.78	29
3	**Sewerage facilities in Unauthorised Colonies**	To provide sewer facility in unauthorised colonies. There are a total of 1799 unauthorised colonies in Delhi.	OP	Length of NEW sewer line laid in unauthorised colonies (km)	2610	2856	3100	2923
			OC	% unauthorised colonies connected to sewerage network	561	614	729	614
			OC	% of households in unauthorised colonies connected to sewer network	31.19	34.14	40.53	34.14
			OC	Total quantity of sewerage diverted to STPs from all unauthorised colonies (MGD)	75.06	82.15	97.53	82.15
4	**Trunk, Peripherals, Sewer and Gravity Duct**	Construction/ rehabilitation of trunk / peripheral sewer lines	OP	Length of trunk / peripheral sewers laid/ rehabilitated (Km)	166.8	173.91	233	180.02
			OC	Average quantum of sewage diverted to STPs (MGD)	41.7	43.48	58.25	51.88

GOAL 3: Reduction in Water Pollution

Undertake initiatives and programs to rejuvenate and restore the Yamuna river. This involves rehabilitating and upgrading the STPs feeding treated sewage to the Yamuna.

Schemes included:

S.No.	Name of Scheme	Budget Allocation 2021-22 (In Cr)
1	Yamuna Rejuvenation	20

S. No.	Name of the Scheme	Scheme Objective	OC/ OP	Indicator	Actuals		Target	Actuals
					FY 20	FY 21	FY 22	Q2 21-22
1	**Yamuna Rejuvenation**	National River Conservation Programme (Yamuna Action Plan (YAP)-III) To reduce the pollution in River Yamuna by rehabilitation /upgrading STPs and rehabilitation of Trunk sewer / rising mains in the command area of Kondli, Okhla and Rithala STPs	OP	% progress in rehabilitation/ upgradation of 3 STPs	25.77	46.95	75	54.78
			OP	Length of trunk sewers rehabilitated (km)	15.62	19.79	25.29	20.05
			OP	Length of rising mains rehabilitated (km)	8.85	14.96	16.15	16.06
			OC	Reduction in untreated sewage draining in the Yamuna (MGD)	2.22	4.95	6.32	5.00

S. No.	Name of the Scheme	Scheme Objective	OC/ OP	Indicator	Actuals		Target	Actuals
					FY 20	FY 21	FY 22	Q2 21-22
		Yamuna cleaning program To reduce the pollution in River Yamuna by rehabilitation /upgrading STPs and rehabilitation of Trunk sewer / rising mains in the command area of Kondli, Okhla and Rithala STPs	OP	% of construction/ rehabilitation of all STPs completed	17	17	23.68	17
			OP	Length of all trunk sewers rehabilitated (km)	166.8	173.91	233	180.02
			OP	Length of all rising mains rehabilitated (km)	8.85	14.96	16.15	16.06
			OC	Reduction in pollution load due to sewage into Yamuna (In MGD)	29.24	36.04	64.6	36.14
			OC	Reduction in untreated sewage draining in the Yamuna (MGD)	43	53	95	53.065
		City of Lakes	OP	No. of water bodies cleaned/ revived	0	0	36	0
			OP	No. of water bodies connected to water source	0	1	1	0
			OP	No. of waterbodies with complete landscaping	0	0	0	0