

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI
DEPARTMENT OF DRINKING WATER AND SANITATION

RAJYA SABHA
UNSTARRED QUESTION NO.600
TO BE ANSWERED ON 12-12-2022

Greywater management schemes implemented by Government

600 Shri B. Parthasaradhi Reddy:

Will the Minister of **Jal Shakti** be pleased to state:

- (a) whether Government is aware that with increasing urbanization, the management of greywater has become very much important;
- (b) if so, the details of the schemes implemented by Government to promote the greywater management in the country;
- (c) the details of funds allocated, released, and utilized under the said schemes during the last three years, State-wise and year-wise;
- (d) the details of the projects undertaken in this regard during the last three years, year-wise, and district-wise for the State of Telangana; and
- (e) the implementation status and details of Sujlam 2.0?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF JAL SHAKTI
(SHRI PRAHLAD SINGH PATEL)

- (a) Yes, Sir.
- (b) Ministry of Housing and Urban Affairs (MoHUA) has taken several initiatives towards sewerage/septage management sector in urban areas through issuance of various guidelines and implementation of National Missions i.e., Atal Mission for Rejuvenation and Urban Transformation (AMRUT) & AMRUT 2.0.

AMRUT focuses on development of basic urban infrastructure in the 500 selected cities including sewerage & septage management. Of the approved plan size of ₹77,640 crore, a significant amount of ₹32,456 crore (42%) has been allocated for sewerage sector. So far, 864 projects have been grounded worth ₹33,985 crore including 497 completed projects worth ₹12,025 crore and overall physical works worth ₹26,825 crore have been completed with ₹24,253 crore worth of expenditure incurred. Through these projects and in convergence with other programmes, 102 lakh sewer connections/household coverage under septage management have been provided so far.

Taking it forward, AMRUT 2.0 aims to provide universal coverage of sewerage & septage management in 500 AMRUT cities. As of now, States/UTs are in process of submitting projects to MoHUA under State Water Action Plans (SWAPs) for consideration. So far, 331

sewerage projects costing ₹23,679 crore (capex) have been approved under SWAP by MoHUA. These projects target to provide around 20 lakh sewer connections and 1,665 MLDs capacity through development of new Sewage Treatment Plants (STPs) and augmentation of existing STPs.

Greywater Management (GWM) is also an important component of Swachh Bharat Mission (Grameen) Phase II for rural areas, which mandates not only sustainability of Open Defecation Free (ODF) status of villages but also to reach ODF Plus status, by way of safe management of solid and liquid wastes. Management of greywater is promoted through the onsite systems near the source through soak pits/leach pits/magic pits, wherever possible at Household or at Community level. However, on a larger scale or at the village level specialized technologies viz., Waste Stabilization Ponds, Constructed Wetlands, etc., can be used as per the feasibility. Under SBM(G) Phase II, Rs.280 per capita is available for Greywater management for villages with population upto 5000 and Rs.660 per capita is for villages with population more than 5000.

(c) The details of State-wise committed Central assistance for AMRUT & AMRUT 2.0 projects, release and utilization of funds during the last three financial years are given at Annexures-1 & 2. The funds have been allocated to States at the start of the Missions and not year-wise. Funds under AMRUT & AMRUT 2.0 are released State Annual Action Plan (SAAP)-wise and State Water Action Plans (SWAP)-wise, and not any specific sector/project-wise.

(d) The projects under AMRUT & AMRUT 2.0 have been undertaken SAAP-wise and SWAP-wise respectively. SAAPs for the entire Mission period were approved in first three years of AMRUT i.e. from 2015-2018. SWAPs as submitted by States/UTs are being considered under AMRUT 2.0. In Telangana, under sewerage & septage sector, 4 projects worth ₹ 203 crore that have been taken up under AMRUT have been completed and 9 projects costing ₹1,606 cr (capex) have been approved under AMRUT 2.0 by MoHUA. The details of projects undertaken in the State of Telangana under AMRUT & AMRUT 2.0 are given at Annexure-3.

(e) Department of Drinking Water and Sanitation, Ministry of Jal Shakti, had launched a 100 days campaign 'Sujlam 2.0' under Swachh Bharat Mission-Grameen (SBM-G) on World Water Day, 22nd March 2022, to give impetus to greywater management in rural areas across the country. The campaign concluded on 30th June 2022. Under the campaign, as reported by the States/UTs on the SBM-G Integrated Management Information System (IMIS), more than 12 lakh household and community soak pits have been constructed.

Annexure-1

States/UTs-wise committed Central Assistance, funds released & utilization certificate received for projects under AMRUT

(Figures in ₹ crore)

Sl. No.	State / UT	Committed Central Assistance	Funds Released				Utilization certificate received			
			2019-20	2020-21	2021-22	2022-23	2019-20	2020-21	2021-22	2022-23
1	A&N Islands	10.82	4.32	0.00	4.32	0.00	4.31	0.00	0.00	0.00
2	Andhra Pradesh	1,056.62	246.69	0.00	0.00	0.00	246.69	0.00	0.00	0.00
3	Arunachal Pradesh	126.22	17.63	0.00	56.44	0.00	17.63	0.00	0.00	0.00
4	Assam	591.42	0.00	0.00	179.64	0.00	0.00	0.00	139.45	0.00
5	Bihar	1,164.80	0.00	685.93	0.00	0.00	0.00	267.95	0.00	0.00
6	Chandigarh	54.09	26.31	0.00	0.00	0.00	25.68	0.00	0.00	0.00
7	Chhattisgarh	1,009.74	145.67	415.55	0.00	0.00	145.67	326.70	0.00	0.00
8	Dadra & Nagar Haveli	10.82	4.27	0.00	4.16	0.00	4.27	0.00	4.16	0.00
9	Daman & Diu	18.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Delhi	802.31	151.54	0.00	206.20	0.00	151.54	0.00	45.89	0.00
11	Goa	104.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Gujarat	2,069.96	1,074.58	0.00	73.61	0.00	1,074.58	0.00	73.61	0.00
13	Haryana	764.51	289.71	147.18	147.18	0.00	289.71	147.18	147.18	0.00
14	Himachal Pradesh	274.07	60.22	56.73	66.71	0.00	55.95	49.37	0.00	0.00
15	Jammu & Kashmir	500.62	116.95	0.00	95.64	0.00	93.24	0.00	0.00	0.00
16	Ladakh	79.19	37.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	Jharkhand	566.17	135.22	109.62	109.62	0.00	135.22	37.37	0.00	0.00
18	Karnataka	2,318.79	710.54	280.50	125.93	0.00	663.21	253.40	109.72	0.00
19	Kerala	1,161.20	194.74	399.25	119.62	0.00	194.74	275.89	0.00	0.00
20	Lakshadweep	3.61	1.10	0.00	0.41	0.00	1.10	0.00	0.28	0.00
21	Madhya Pradesh	2,592.86	925.00	0.00	100.76	0.00	925.00	0.00	0.00	0.00
22	Maharashtra	3,534.08	0.00	1,243.71	330.00	0.00	0.00	934.66	38.36	0.00
23	Manipur	162.28	0.00	66.06	0.00	0.00	0.00	65.81	0.00	0.00
24	Meghalaya	72.12	0.00	0.00	22.69	39.42	0.00	0.00	22.69	0.00
25	Mizoram	126.22	0.00	45.27	0.00	0.00	0.00	37.44	0.00	0.00
26	Nagaland	108.19	12.03	0.00	43.52	0.00	12.03	0.00	43.52	0.00
27	Odisha	796.97	312.83	0.00	0.00	0.00	312.83	0.00	0.00	0.00
28	Puducherry	64.91	12.72	9.19	9.19	0.00	12.72	9.19	6.25	0.00
29	Punjab	1,204.47	0.00	121.44	623.57	0.00	0.00	121.44	450.87	0.00
30	Rajasthan	1,541.95	143.91	586.54	0.00	0.00	143.91	521.55	0.00	0.00
31	Sikkim	36.06	5.29	0.00	18.55	0.00	5.29	0.00	17.01	0.00
32	Tamil Nadu	4,756.58	377.16	278.84	1,454.55	0.00	377.16	278.84	1,181.52	0.00
33	Telangana	832.60	178.82	350.70	0.00	0.00	178.82	249.65	0.00	0.00
34	Tripura	133.43	0.00	26.21	79.58	0.00	0.00	26.21	70.80	0.00
35	Uttar Pradesh	4,922.46	226.03	964.37	1,418.72	0.00	226.03	959.98	1,242.41	0.00
36	Uttarakhand	533.72	122.01	113.39	147.02	0.00	122.01	113.39	21.39	0.00
37	West Bengal	1,929.32	153.30	245.82	675.26	0.00	153.30	245.82	215.23	0.00
Total		36,035.79	5,685.99	6,146.31	6,112.89	39.42	5,572.64	4,921.84	3,830.33	0.00

States/UTs-wise Central Assistance and funds released for projects under AMRUT 2.0

(Figures in ₹ crore)

Sl. No.	State / UT	Project fund allocation (Central Assistance)	Funds released	
			2021-22	2022-23
1	A&N Islands	35.00	0.00	0.00
2	Andhra Pradesh	3,158.00	0.00	0.00
3	Arunachal Pradesh	225.00	0.00	0.00
4	Assam	770.00	0.00	56.65
5	Bihar	2,620.00	0.00	0.00
6	Chandigarh	170.00	0.00	33.00
7	Chhattisgarh	1,294.00	0.00	148.40
8	Dadra & Nagar Haveli and Daman & Diu	30.00	0.00	0.00
9	Delhi	2,880.00	0.00	0.00
10	Goa	85.00	0.00	0.00
11	Gujarat	4,500.00	0.00	311.59
12	Haryana	1,494.00	0.00	0.00
13	Himachal Pradesh	252.00	0.00	0.00
14	Jammu & Kashmir	856.00	0.00	0.00
15	Jharkhand	1,178.00	98.23	6.29
16	Karnataka	4,615.00	0.00	0.00
17	Kerala	1,372.00	0.00	148.74
18	Ladakh	124.00	0.00	11.70
19	Lakshadweep	2.00	0.00	0.00
20	Madhya Pradesh	4,045.00	130.08	153.77
21	Maharashtra	9,285.00	0.00	1140.68
22	Manipur	169.00	0.00	0.60
23	Meghalaya	110.00	0.00	21.69
24	Mizoram	142.00	0.00	0.00
25	Nagaland	175.00	0.00	0.00
26	Odisha	1,363.00	127.47	4.66
27	Puducherry	150.00	0.00	12.42
28	Punjab	1,833.00	0.00	254.69
29	Rajasthan	3,530.00	0.00	95.53
30	Sikkim	40.00	0.00	0.00
31	Tamil Nadu	4,935.00	0.00	398.13
32	Telangana	2,780.00	100.00	0.00
33	Tripura	156.00	0.00	18.42
34	Uttar Pradesh	8,145.00	0.00	521.41
35	Uttarakhand	582.00	0.00	42.08
36	West Bengal	3,650.00	0.00	495.65
Total		66,750.00	455.78	3876.10

District-wise list of Sewerage projects in Telangana State under AMRUT

Sl. No.	City	District in which the city falls	SAAP Year	Title	Status	Project Cost (in ₹ Cr.)
1	Nizamabad	Nizamabad	2017-18	Nizamabad Sewerage (2017-18)	Work Completed	26.73
2	Siddipet	Siddipet	2015-16	Siddipet - Sewerage and Septage Management (2015-16)	Work Completed	17.85
3	Siddipet	Siddipet	2016-17	Siddipet - Sewerage and Septage Management (2016-17)	Work Completed	42.00
4	Siddipet	Siddipet	2017-18	Siddipet Sewerage (2017-18)	Work Completed	116.72
					Total	203.30

District-wise list of Sewerage projects in Telangana State approved under AMRUT 2.0 (all approved during FY 2022-23)

Sl. No.	Urban Local Body (ULB)	District in which the ULB falls	Project title	Estimated CAPEX Cost (in ₹ Cr.)
1	Adilabad	Adilabad	Underground Drainage Scheme in Adilabad ULB under AMRUT 2.0 Project-1	177.62
2	Karimnagar	Karimnagar	Underground Drainage Scheme in Karimnagar ULB under AMRUT 2.0	72.57
3	Khammam	Khammam	Underground Drainage Scheme in Khammam ULB under AMRUT 2.0 Project 1	182.66
4	Mahbubnagar	Mahbubnagar	Underground Drainage System in Mahbubnagar ULB under AMRUT 2.0	204.16
5	Miryalaguda	Nalgonda	Sewerage & Septage Management in Miryalaguda under AMRUT 2.0	152.07
6	Nalgonda	Nalgonda	Sewerage & Septage Management Scheme in Nalgonda Municipality under AMRUT 2.0	195.27
7	Nizamabad	Nizamabad	Underground Drainage Improvement Scheme in Nizamabad ULB under AMRUT 2.0	148.77
8	Ramagundam	Peddapalli	Underground Drainage Scheme in Ramagundam ULB under AMRUT 2.0	206.66
9	Suryapet	Suryapet	Sewerage & Septage Management Scheme in Suryapet Municipality under AMRUT 2.0	266.67
			Total	1606.45