

GOVERNMENT OF INDIA
MINISTRY OF HOUSING AND URBAN AFFAIRS
RAJYA SABHA
UNSTARRED QUESTION NO. 2954
TO BE ANSWERED ON MARCH 27, 2023

STATUS OF AMRUT 2.0

NO. 2954. SHRI IRANNA KADADI:

Will the Minister of HOUSING AND URBAN AFFAIRS be pleased to state:

- (a) the details of the implementation status of AMRUT 2.0 scheme;
- (b) whether the scheme has performed better as compared to its first model;
- (c) whether AMRUT has been implemented efficiently in the border areas and remote areas such as mountains too; and
- (d) the details of the start ups encouraged by Government under this scheme?

ANSWER
THE MINISTER OF STATE IN THE
MINISTRY OF HOUSING AND URBAN AFFAIRS
(SHRI KAUSHAL KISHORE)

(a): In order to carry forward the objective of universal coverage of water supply from 500 cities covered under Atal Mission for Rejuvenation and Urban Transformation (AMRUT) to all the statutory towns across the country, AMRUT 2.0 has been launched in October 2021 for a period of 5 years i.e. Financial Year 2021-22 to 2025-26. It focuses on making the cities 'self-reliant' & 'water secure' & providing universal coverage of sewerage & septage management in 500 AMRUT cities. Mission has a reform agenda focused on financial sustainability, ease of living of citizens & water sector reforms.

So far, State Water Action Plans (SWAPs) have been approved by Ministry of Housing & Urban Affairs (MoHUA) for 6,527 projects costing ₹1,29,636 crore (including Operation & Maintenance Cost) submitted by States/Union Territories (UTs). 148 lakh new tap connections and 33.42 lakh new sewer connections are planned to be provided through these projects. Further, 8,435 Million Liters per Day (MLD) water treatment plant capacity & 2,795 MLD sewage treatment plant capacity is proposed to be added/augmented. Further, 2,102 water bodies rejuvenation projects worth ₹3,664 crore have also been approved under SWAPs & Special tranche of SWAP to give impetus to 'Amrit Sarovar' under Azadi ka Amrit Mahotsav.

Of the 6,527 projects approved so far by MoHUA, Detailed Project Reports have been approved by States/ Uts for 2,058 projects worth ₹36,481.47 crore, Notice Inviting Tender have been issued for 1,025 projects worth ₹19,157.55 crore, works have awarded for 608 projects worth ₹5,422.82 crore and 29 projects worth ₹102.99 crore have been completed.

(b): At present, SWAPs of a few States/ Uts have been approved under AMRUT 2.0 for the entire Mission period. As such, comparison of AMRUT & AMRUT 2.0 is not feasible at this stage. However, AMRUT 2.0 scheme is underway incorporating the best practices of and learnings & challenges faced in AMRUT Mission.

(c): Under AMRUT, 500 cities were selected covering 60% of urban population of the country including all Urban Local Bodies (ULBs) with a population of one lakh or more as per Census 2011, all other capital cities of States/ Uts, all Heritage City Development and Augmentation Yojana (HRIDAY) cities as well as identified cities on the stem of the main rivers, from hill States, islands and tourist destinations. Under AMRUT, States have been empowered to select, apprise, propose and after approval from Apex Committee of Ministry of Housing & Urban Affairs (MoHUA), implement projects within the broad framework of AMRUT Mission. Mission is being implemented accordingly in all AMRUT cities and has been progressing well.

(d): MoHUA is promoting start-ups & entrepreneurs through AMRUT 2.0. For the purpose, “India Water Pitch-Pilot Scale Start-up challenge” was launched on 12th March 2022. The Ministry aims to provide a maximum of ₹20 lakh in three tranches of ₹5 lakh, ₹7 lakh and ₹8 lakh as financial anchor to shortlisted start-ups. Further, 76 shortlisted start-ups have been facilitated during “City Start-up Partnership summit for Water Security” on 9th September 2022 with first tranche of ₹5 lakh & commendation certificate. Memorandums of Understanding (MoUs) have been signed between 42 cities & start-ups and selected start-ups are mapped with 30 cities for scaling up solutions. The List of 76 start-ups shortlisted by MoHUA through AMRUT 2.0 is placed at ANNEXURE.

ANNEXURE REFERRED TO IN REPLY TO PART (d) OF UNSTARRED QUESTION NO. 2954 REGARDING “STATUS OF AMRUT 2.0”, DUE FOR ANSWER IN THE RAJYA SABHA ON 27 MARCH, 2023.

List of Start-Ups selected through Start-up challenge process of AMRUT 2.0

Sl.No.	Name of the Startup	Description	City Mapped with	MoU Status
1	LimelightIT Research	LimelightIT is a deep tech IoT hardware start-up with its own proprietary IoT hardware platform to develop low-cost yet highly secure and customizable solutions. They have developed an indigenous made electromagnetic flow meter at low cost to collect Real-time data on water flow and usage & to detect leakage and usage pattern of data in household and industrial usage.	Ahmedabad	Yes
2	Neerain	They have come up with rain water harvesting filters which work on the principle of Reverse Y filtration. It does not need any electricity as it works on gravity. There is no water loss and no stagnant impurities while harvesting rainwater.	Ahmedabad	Yes
3	Panthera CleanTech Pvt Ltd	They have developed Aqua Scale, a salt-free water softener designed to tackle the hard water problems at homes/offices such as scaling inside the taps, basins, pipes, heaters, washing machines and bathroom fittings. Aqua Scale requires no maintenance, service, operational cost or power consumption to function.	Ahmedabad	Yes
4	Paridhan Farma	They have developed a travel raingun which is an automated tool to irrigate fields without human resource. It covers a 70-meter round area for irrigation and can easily cover an area of 300 meters in length.	Ahmedabad	No
5	Vertical Farming Technologies Pvt Ltd	They provide a precise agriculture-based irrigation system which can be implemented in protected cultivation as well as open field agriculture. It uses sensor-based data to detect the irrigation need in the farmers field and automate the process of irrigation to ensure that water is provided only when the field is dry. It links the irrigation cycle to vapour pressure deficit.	Ahmedabad	No
6	Dynamit Innovations Pvt. Ltd.	They have developed two innovative and cost-effective products for the storage of rain water / potable water which are Well cum Tank and Water in Water.	Alappuzha	No
7	Genrobotic Innovations Pvt Ltd	They have a manhole cleaning robot to eradicate the age-old practice of manual scavenging by eliminating the need for manual intervention inside the manhole. The robot consists of two major units, a stand unit and a robotic drone unit. The drone unit dives into the manhole for the cleaning or unblocking operations.	Ambala	No
8	Aryav Ecofriendly Resources Pvt Ltd	Aryav Atmospheric Water Generator is an innovative and patented technology to generate pure, clean, alkaline and mineral rich drinking water from air without any water wastage and input water. They manufacture 100LPD to 10000LPD machines to cater to the B2B market.	Chennai	Yes
9	Earthfokus Earthwise Private Limited	They offer to retrofit plumbing fittings to the faucets and health faucets with fixtures that use the atomization technology. The water is converted into small droplets and covers the maximum area which helps to reduce the water consumption by 50-85%.	Chennai	Yes
10	KarIoT Solutions	KarIoT is IoT-enabled intelligent gateway solution that can be integrated with various components like flow meters, level sensors, and organic components like pH, Total Dissolved Solids, chlorine, etc., to provide robust, remote, and automated solutions on a smart device. It can collect data from physical devices/sensors via the cloud and uses Artificial Intelligence (AI) to remotely monitor, operate, predict, and provide reports for analysis via mobile and web dashboards.	Chennai	Yes
11	Samudhyoga Waste Chakra	They have developed self-sustainable modular toilets (EcoFert) which aims to reduce carbon and water footprint and generates valuable chemicals and water for reuse from human urine. Their product is unique which helps in closing the entire loop of nutrients and supports the circular economy of sanitation.	Chennai	Yes

Sl.No.	Name of the Startup	Description	City Mapped with	MoU Status
12	Smartwater Logistics and Services Pvt Ltd	Tankerwala is a mobile application that enables a user to order water on-demand. The company is an aggregator of water tankers and Sewage Treatment Plants across the country.	Chennai	Yes
13	Thales Cleantech	They provide potable water through clean and sustainable Atmospheric Moisture Extraction (AME) technologies. Their proprietary STAME technology involves less number of moving parts or components which ensures minimum 20 years of life with negligible operating cost.	Chennai	Yes
14	VayuJal Technologies Pvt Ltd	They have developed a range of Atmospheric Water Generator with a technology that minimizes the power required to make a liter of drinking water by 5-20%, using bio-inspired surfaces for condensation. The system uses an air filter and a seven-stage water filtration system to ensure continuous water generation and consistent water quality at 0.27 kWh/liters and provide it to the user for drinking and other purposes.	Chennai	No
15	WEGoT Utility Solutions Pvt Ltd	A water source management system which tracks water entering a property to ensure that there is no pilferage, theft, or leakage. They also track the quality of water at the source thus ensuring that only clean water will be let into the property. The system enables optimization of water usage with respect to demand, availability, cost, and quality at each source.	Chennai	Yes
16	Vaidic Srijan LLP	They have developed Cownomics® Technology which is a Vedic Science based approach for “IN-SITU” Rejuvenation & Restoration of Waterbodies & Wetlands through “Resurrection of the Native Ecology”. It is a sustainable, result-oriented, nature-based indigenous technology, in which the focus is to “consume & digest” the contamination in the aquatic food chain, instead of the traditional approach of “segregate & collect”.	Cuttack	Yes
17	EcoSTP Technologies P Ltd	They have a unique patented technology that treats sewage in a decentralized, self- sustainable way in underground chambers without power, chemicals or human intervention. Using Biomimicry, regenerative innovation inspired by nature, the ECOSTP utilizes functional principles and strategies of microorganisms and ecosystem found in a cow’s stomach.	Delhi	Yes
18	Ekam Eco Solutions Private Limited	They have designed a urinal pan for women with contours and curves that make the device anti splashing. It has a centrally placed dome housing the waterless mechanism creating a one-way passage for the urine to flow into the drain line and stop the odor causing gases.	Delhi	Yes
19	Naturesani Private Limited	They have developed waterless, odourless urinals & commodes along with other retrofittable contraptions. Their product works on Hydro-mechanical technology, which requires no sealant liquid. The complete water repellent tech ensures that bad odour trapped in the drainage system cannot pass back into the restroom.	Delhi	Yes
20	Retas Enviro Solutions Pvt Ltd	RETAS has developed modular rainwater harvesting tanks called Rainmaxx that help in artificial recharge of rainwater to the ground. It also helps in flood mitigation, creation of ecological channel or bio swale and replacement of open stormwater drains. The RAINMAXX Modular tank is made up of recycled plastic.	Delhi	Yes
21	Uravu Labs Private Limited	Uravu has developed a 100% renewable water technology that utilizes inexhaustible atmospheric moisture and only renewable energy to produce high-quality drinking water. Uravu’s technology utilizes desiccants and runs in two phases in the cycle.	Delhi	Yes
22	Agua Wireless Systems Pvt Ltd	Agua Wireless Systems designs, manufactures and markets, IoT solutions enabling Smart Water Management in urban, rural and industrial areas. Their solutions enable automated water distribution, fair-usage based billing, water quality tracking and leakage detection in underground pipelines and tanks.	Ghaziabad	Yes
23	Supremus Developers Private Limited	JanaJal WOW delivers safe water to the doorstep of households in a sustainable and consistent manner. The IOT controlled three-wheelers are secured, monitored and controlled through secure cloud servers using proprietary controllers and sensors.	Ghaziabad	Yes

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24	Environheal Research Industries OPC Private Limited	They are tackling the multifaceted problem of public urination by treating sanitation wastewater and recycling it as flushwater. They aim to create a system of improvised urinals, using Microbial Fuel Cell (MFC) treated urine as flush water, manure for roadside trees and also use it as an input for small amount of electricity.	Gurugram	Yes
25	Kumbhi Kagaz	They are addressing the growing issue of water hyacinth, a weed/parasite that can duplicate itself every nine days which is quickly spreading across most of the wetlands in India. They make fully natural, chemical-free handmade papers out of water hyacinth which is replacing the traditional need for wood pulp.	Guwahati	Yes
26	Drona Automations	Drona is developing a customized sewer pipe cleaning and inspection robot which can enter into the manhole and travel along the sewer pipe. It expands according to the size of the pipe and cleans it.	Hassan	No
27	Adva Enviro Solutions Pvt Ltd	The Rainwater Project looks at a citywide approach for water resilience and source sustainability with rainwater harvesting. This involves providing scientific site-specific solutions for rainwater harvesting which also includes restoration of natural and manmade water bodies. They offer end-to-end solutions from design to execution for rainwater harvesting, wastewater reuse and integrated water management solutions.	Hyderabad	Yes
28	Eunoia Innovations Private Limited	They have developed Aqua Skimmer, a water robot that has great potential in cleaning water bodies. It skims on the surface of the water to clean floating trash and makes the water bodies free from waste consisting of plastic, organic waste etc. Aqua Skimmer is made on a Catamaran Hull form and operates on two different platforms, i.e. Radio Controlled & Artificial Intelligence Operated.	Hyderabad	Yes
29	Ilonnati Innovations Private Limited	They have developed Smart Ideal Water Meter (SIWaM), an IoT based smart water management solution, to measure and monitor the water quantity and pressure in the entire supply chain i.e., from water source to end consumer taps. It also measures and monitors water quality parameters such as pH, Total Dissolved Solids, Chlorine, Nitrate, Turbidity, Fluoride, hardness etc.	Hyderabad	Yes
30	Kritsnam Technologies Private Limited	They have developed the Dhaara Smart Ultrasonic Flow Meter which is an advanced flow meter built for water-governance purposes. The battery-operated tamper-proof flow meter has in-built IoT and is built for long-term unattended monitoring of pipe flow from remote locations.	Hyderabad	Yes
31	Liqsure	They have developed systems for wastewater treatment which works on the principle of cavitation, where micro-bubbles are generated by the pressure difference. These micro-bubbles subsequently grow and collapse violently to release large amounts of energy, which kills the microorganisms and destroys organic chemicals present in the wastewater.	Hyderabad	Yes
32	Neerovel Innovations Pvt Ltd	They have a wireless sensor to stop overflowing water tanks which alerts users of leaks thus reducing domestic water wastage. Neerovel works with wireless Ultrasonic/LiDAR sensors to measure precise tank capacities and transmits data with LoRa to the dedicated servers securely. Users can access this data from mobile application.	Hyderabad	Yes
33	Nimble Vision Pvt Ltd	They have come up with a smart water level controller for metering and quality monitoring. It can pump the water and provide hourly water consumption details and leakage details in addition to quality details in real time.	Hyderabad	Resigned
34	SmartTerra Urban Water Management Private Limited	SmartTerra has developed AI-powered analytics software that helps water utilities detect water loss issues using data that is already available with them such as billing data or SCADA data.	Hyderabad	No
35	Techxel India Private Limited	Saaf water is a compact yet robust Internet of Things device that consists of water parameter sensors for Total Dissolved Solids, Turbidity, pH, and Temperature. The system intelligently senses flowing water which triggers the process for water parameter collection.	Hyderabad	Yes

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36	New Unnat India techno Solution and Innovation Private Limited	They have developed a compact low-cost grey water recycling machine called Shuddham for domestic use. It uses zero chemicals, filtration takes place through four stages, post which water is pumped to the storage tank or flush tank to be used for all secondary purposes.	Indore	Yes
37	Sustainable Water Technologies	They have developed a scalable product called Floating Islands (Floating Treatment Wetlands) to restore & beautify water-bodies. They use wetlands species of plants, similar to the ones used in planted gravel filters at STPs to treat the water.	Indore	Yes
38	Absolute Water Private Limited	100% Organic STP that treats domestic sewage and converts it into clean water without the use of any chemicals. It is non-RO in nature in order to maintain the natural vitamins and minerals of water.	Jaipur	Yes
39	Bhungru	Bhungru uses scientific design technology for storing large amount of rain water or farm water into subsurface zone of earth for augmentation of groundwater and returns the same water back during lean periods for domestic, agricultural and industrial uses.	Jamshedpur	Yes
40	LivNSense Technologies Private Limited	They have developed an AI/ML based platform GreenOps™ for monitoring water distribution network. It provides real time data analytics for identifying and prescribing network operations optimization options to the utility executives. AI algorithms can be used to provide spatial information on types and amounts of water loss.	Jind/Rohtak	Yes
41	Greengine Environmental Technologies Pvt Ltd	G-Water-i is a 24 x 7 IoT based decision support system for conserving water and monitoring of other critical water parameters in industries, through real time acquisition and analysis of data from various sensors at critical nodes within the entire industrial setup.	Kanpur	Yes
42	Ecodew Pure Water Solutions Pvt Ltd	Ecodew has a plug and play and compact effluent treatment system with state-of-the-art Hyperhelix membrane technology.	Kochi	Yes
43	Samaha Geosolutions LLP	They provide consultancy service for rainwater harvesting through scientific situational assessment. Their solution proposes to restore the resource to a sustainable level.	Lakshwadeep	Yes
44	Urdhvam Environmental Technologies Pvt Ltd	BoreCharger is a unique, patented technology that harvests rainwater from shallow aquifers and stores it in deeper confined aquifers that are sources of borewell water. It performs “Angiography” of borewell using underwater camera system. It then undertakes “Angioplasty” of an existing borewell casing pipe, in-situ from inside, using a Robotic Tool. BoreCharger technology revives existing, failed and low yielding borewells.	Latur	Yes
45	DBD Water Systems Private Limited	They are a cloud-based platform exclusively for water utility. It is a multi-protocol convergent platform which is multilingual, meter hardware-vendor independent. The platform will enable water management control by providing the users with protocol independent metering, detailed billing, multiple payment options and dynamic analytic view.	Mumbai	No
46	Fluid Robotics	Their solution Fluid Ai, a wastewater analytics platform, combines robotics, IoT and artificial intelligence, for monitoring the health of wastewater infrastructure, waterways and public.	Mumbai	No
47	Navyoni Technologies Private Limited	Through technology driven automation, Navyoni Technologies provides users with economical smart sanitary solutions for water and energy management. Their innovation is that of touch-less basin with smart features. Their proposed smart basin cabinet is equipped with various sensors (radar, inductive, IR, Touch etc.) which allows users to effectively monitor water & power consumption.	Nagpur	Yes
48	SynThera Biomedical Pvt Ltd	They have developed a unique antimicrobial bioactive glass material technology to entirely replace chlorine-based compounds in water and wastewater treatment systems.	Nagpur	No

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49	Inphlox Water Systems	Indra is pioneering decentralized treatment of domestic, commercial and industrial wastewater at the source with its patented electrically driven modular technology. Their novel broad spectrum pollution removal process can handle tough oxygen demanding pollutants (COD, BOD), oil, fats, grease, heavy metals, nutrients, pathogens, suspended and dissolved pollutants, volatile organics, dissolved gases among other things. Chemicals are not used in Indra's reactors for primary treatment of wastewater.	Narsapur	No
50	Openwater.in	They have developed a compact, plug and play greywater treatment unit which is small enough to be installed under a regular kitchen sink counter. This system complements existing home appliances in the market that do not treat discarded wastewater.	Narsapur	No
51	Agromorph Technosolutions Private Limited	AgroMorph is a turnkey solution provider for wastewater management. They have designed an algal photobioreactor. They have control over reactor design, reactor fabrication, algae cell bank management, unit installation and unit commissioning.	Navi Mumbai	No
52	EyeNetAqua Solutions Private Limited	EyeNetAqua has demonstrated real time "Smart water supply measurement and monitoring system" through its IoT based and uses technologies for low-cost indigenous sensing solutions.	Palwal	No
53	FluxGen Sustainable Technologies	FluxGen's AquaGen (Patented Innovation) platform is a wireless, IoT enabled water management system that periodically generates prescriptive and predictive notifications based on water consumption patterns. AquaGen users can view data through a customizable Graphical User Interface over a Web Browser or through Mobile App.	Panaji	No
54	JKN Nanosolutions Pvt Ltd	They have nanotechnology-based products which are a low-cost solution for treating sewage water rapidly in a single step. It does not need aeration for reduction of COD and BOD in the treated water.	Panaji	Yes
55	Trans Water System Pvt Ltd	They have developed the BOSON White Water System, a decentralised potable water recovering system designed to recover potable water from the partially treated waste water produced in existing Sewage Treatment Plant.	Panaji	No
56	Ushva Clean Technology Pvt Ltd	Their product is a next-generation Industry 4.0 IoT edge device which is compatible with all kind of water related equipments and is used for remote data control equipped with device management & analytics on their software dashboard "flowlinc.io."	Pimpri Chinchwad	Yes
57	Hygienity Solutions Private Limited	Hygienity Nano-Coating is a chemical solution, which eliminates the surface contamination, bacterial accumulation and odour with its preventive coating and provides continuous disinfection.	Pune	No
58	Jalconserve Technologies Pvt Ltd	They provide on-site sustainable greywater recycling solution for community washrooms, residential homes and commercial facilities. They have a simplified solution for treating greywater which can then be used in toilet and urinal flushing as well as gardening/landscaping with low maintenance cost.	Pune	Yes
59	NatureDots	They have developed a hard tech innovation with a product-service hybrid called AquaNurch which combines "Nature Intelligence x Artificial Intelligence" to create a digital twin of all waterscapes of the world to design, de-risk, and decarbonize growth pathways and waterscapes for people, nature, businesses and government.	Pune	Yes
60	Priora Water Solutions Private Limited	They have developed a waste water treatment technology using a hybrid combination of vermifiltration & constructed wetland system. There is no requirement of external energy, except for pumping.	Pune	Yes
61	Taraltec Solutions Pvt Ltd	They have developed a device which can be retrofitted to the sewage water systems to break organic molecules & kill microbes to make water substantially safe for reuse. Their solution is compact and environmentally friendly, and works instantly. It creates cavitation bubbles, which collapses to create shockwaves to kill microbes and break organic molecules instantly, thus reducing BOD.	Pune	Yes
62	Waterlab Solutions Private Ltd	Waterlab has developed a user-friendly, multi-lingual, android-based Borewell Monitoring App called Bhujal for monitoring water levels in borewells/boreholes. The App is developed using sonar technology which requires generating vibrations on borewells to detect water levels.	Pune	Yes

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63	Bariflo Labs	They have a patented flapping sediment aeration device which diffuses air at the sediment level where the majority of waste and aquatic species take shelter and helps in maintaining dissolved oxygen at sediment oxygen boundary layer. It comes equipped with intelligent mobile monitoring device to provide data at various places across the waterbody along the water column and sediment water interface. It can predict critical water quality parameters for activation of aeration, feeding and nutrient control process.	Puri	Yes
64	Jaljeevika infotech private limited	Solar-operated, affordable backyard recirculatory aquaculture system to produce high valued fish. They address employment opportunity by creating livelihood & promotion of micro entrepreneurship model.	Puri	Yes
65	Digital EcoInnovision Private Limited	They have a lifecycle management tool, DigitalPaani, that enables every facility to be managed with leading industry expertise 24/7. It comprises a combination of software, sensors, and automation hardware that together do three core things of assessing the facility as per physical configuration and effluent type, managing all the workflows in the facilities automatically & recommending operational and physical improvements to improve performance.	Rohtak	Yes
66	Cleantech Water	Cleantech Water provides sewage treatment systems that are fully automatic, efficient and meet the treatment standards which are higher than the statutory requirements. They offer Sewage Treatment Plant, Effluent Treatment Plant and Water Treatment Plant. Their focus is De-centralized small Treatment plant. They provide SBR (Sequential Batch Reactor) treatment plant & advance SBR STPs which can be installed in RCC underground tanks	Surat	Yes
67	Solnce Technologies Private Limited	With their patented technology, Solnce Technology has a pilot plant that can successfully convert seawater (Any high TDS water) into potable water by Solar Energy.	Surat	Yes
68	Srishti Lifescience Private Limited	Their innovation (patent filed) is a plug and play compact device and mechanism for point-of-use packing and repacking of locally available water in reusable bottles with IoT and AI-based water quality and assured hygiene of the reusable bottle.	Surat	Yes
69	Sustainable Livelihood Initiative India Private Limited	The 'Vardan' water purifiers uses Graphene for purifying water and solar cells from e-waste (Dye Sensitised Solar Cells). It has no moving parts or membranes, runs without the need of any external energy and will purify water for at least ten full years with a massive purification volume of 150,000 litres of water without the need of any kind of maintenance.	Surat	Yes
70	Solinas Integrity Private Limited	They develop robotic solutions for the pipeline and sanitation industry, solving problems of water leakages and eliminating manual scavenging. Their product Endobot is a visual inspection crawler to identify defects and provide condition assessment for water & sewer pipelines (above 70mm).	Trivandrum	Yes
71	Cherries Engineering and Innovation India Pvt. Ltd.	JALODBUST systems are livelihood generating indigenous mechanized systems for removal and transportation of faecal and sanitation sludge from toilet leach pits, septic tanks and sewer manholes. It gives sight, smell and splash free means of executing sanitation tasks of the society while providing the sanitation worker with proper income, safety and dignity.	Tumkuru	No
72	Aumsat Technologies	Aumsat provides precision-driven, AI-Enabled, satellite-based hydro-analytics to public utilities and irrigation departments for accurately detecting, predicting, and forecasting leakages in water pipeline networks.	Udaipur	Yes
73	REVV Environmental Solutions Pvt Ltd	Their product REVV-S is an anaerobic granulated sludge of 1.5 - 2.0mm size with more than 650 types of bacteria which helps to treat waste water. The treated water can directly be used for irrigation purposes along with energy recovery. It has a capability to reduce high levels of COD/BOD by 1.5 times while giving twice the biogas yield.	Vadodara	No
74	Greenvironme nt Innovation and Marketing India	Greenvironment has developed a 100% indigenous product that is cost-effective, reliable, and scalable in Indian conditions. It works by plug and play system which gives AI-based real-time alerts & notifications on the user's mobile. The device can be connected to multiple water quality, flow, level, energy & pressure monitoring sensors. It can also operate with Battery/ Solar power which is easy	Vijayawada	No

Sl.No.	Name of the Startup	Description	City Mapped with	MoU Status
		in deployment.		
75	Kephi Innovations Private Limited	They are working on Natural Water Treatment Systems and to address the environmental issue raised due to traditional aqua farming. They have introduced Spirulina algae as a substitute for lime which is used to neutralize the water to ensure that the water quality satisfies the criteria for aquaculture	Warangal	Yes
76	Silverynanos Innovations LLP	Silverynanos' HAPITO Toilet Protector is a nanoalloy spray which acts as a disinfectant and helps in easy cleaning of toilets for one month after application. It also saves upto 55% water usage and saves the environment from harmful chemicals used in toilets.	Warangal	No
