सीएसआईआर-भारतीय विषविज्ञान अनुसंधान संस्थान
CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH

CSIR-IITR, Lucknow is the only multidisciplinary research institute in the field of toxicology in South-East Asia with the motto:

"Safety to environment & health and service to industry".

75 Years of CSIR Touching Lives

R & D Areas

- Food, Drug & Chemical Toxicology
- Environmental Toxicology
- Regulatory Toxicology
- Nanotherapeutics & Nanomaterial Toxicology
- Systems Toxicology & Health Assessment

R & D Partnership for Industries & Startup

- **S.S. Maser Technology Pvt. Ltd. is under incubation @** Centre for Innovation & Translational Research (CITAR)

Recognitions

- Scientific & Industrial Research Organizations (SIROs)
- U.P. Pollution Control Board (Water & Air)
- Indian Factories Act (Drinking Water)
- Bureau of Indian Standards (Synthetic Detergents)
- Food Safety & Standards Authority of India (FSSAI)

Technologies Developed / Available

- Oneer - A Novel Solution for Safe Drinking Water
- Portable Water Analysis Kit
- Mobile Laboratory for Environment and Human Health
- AO kit for Rapid Screening of Argemone in Mustard Oil
- MO check for Detection of Adulteration Butter Yellow in Edible Oils

Manufactured by:

SSMaser Technology Pvt. Ltd.
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info@maserplc.com :: www.maserplc.com

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2nd Floor, College House,
#17 King Edwards Road,
RUISLIP London, HA4 7AE, UK

Co-Developed by:

Adhita Biosciences

INCUBATION & INNOVATION IIT KANPUR

SWACHH LAB™

MASER TECHNOLOGY
STERILIZATION TECH COMPANY

Freedom

from ETP with 100% CPCB compliance

FREEDOM from Effluent Treatment Plant (ETP)

SWACHH LAB™

Laboratory Liquid Waste Treatment Equipment

- Ideal for Research Laboratories, Pathology, Private Clinics etc
- Uses CSIR-IITR Revolutionary Patent Technology
- Neutralizes lab effluent into permissible discharge
- Fully automated and maintenance free
- Can work on battery or solar power @ 2 watts / hour
- Automatic draining of treated waste to sewage lines at regular intervals
- Capacity : 100 Litres & 200 Litres
- No consumables required
- Models: Swachh Lab - 100 & Swachh Lab - 200

Quality Accreditions:

CE GMP ISO 9001:2015 ISO 13485 ISO 14001

Under ToT Licence from: CSIR-IITR

100% COMPLIANT TO CPCB GUIDELINES

स्वच्छ भारत एक कदम स्वच्छता की ओर

SWACHH LAB™

A Necessity for Good Earth - Good Health

Our understanding of the conditions required to prevent the transmission of disease has allowed the development of simple, yet highly effective management techniques for handling biologically contaminated liquid waste.

SSMaser Technology Pvt. Ltd. rated by SIDBI as the TOP 3 START UP IN INDIA 2018:2019 has developed an innovative translational device called SWACHH LAB, for the treatment of liquid effluent coming from the research laboratories, pathology, private clinics, chemical & pharmaceutical industry.

The device is co-developed by CSIR-IITR with clinical R&D to validate the efficacy and efficiency to Neutralize lab effluent into permissible discharge.

> **"We have developed an innovative translational device called SWACHH LAB, for the treatment of liquid effluent coming from the research laboratories, pathology, private clinics, chemical & pharmaceutical industry."**

Key Points For Good Earth Perfection::

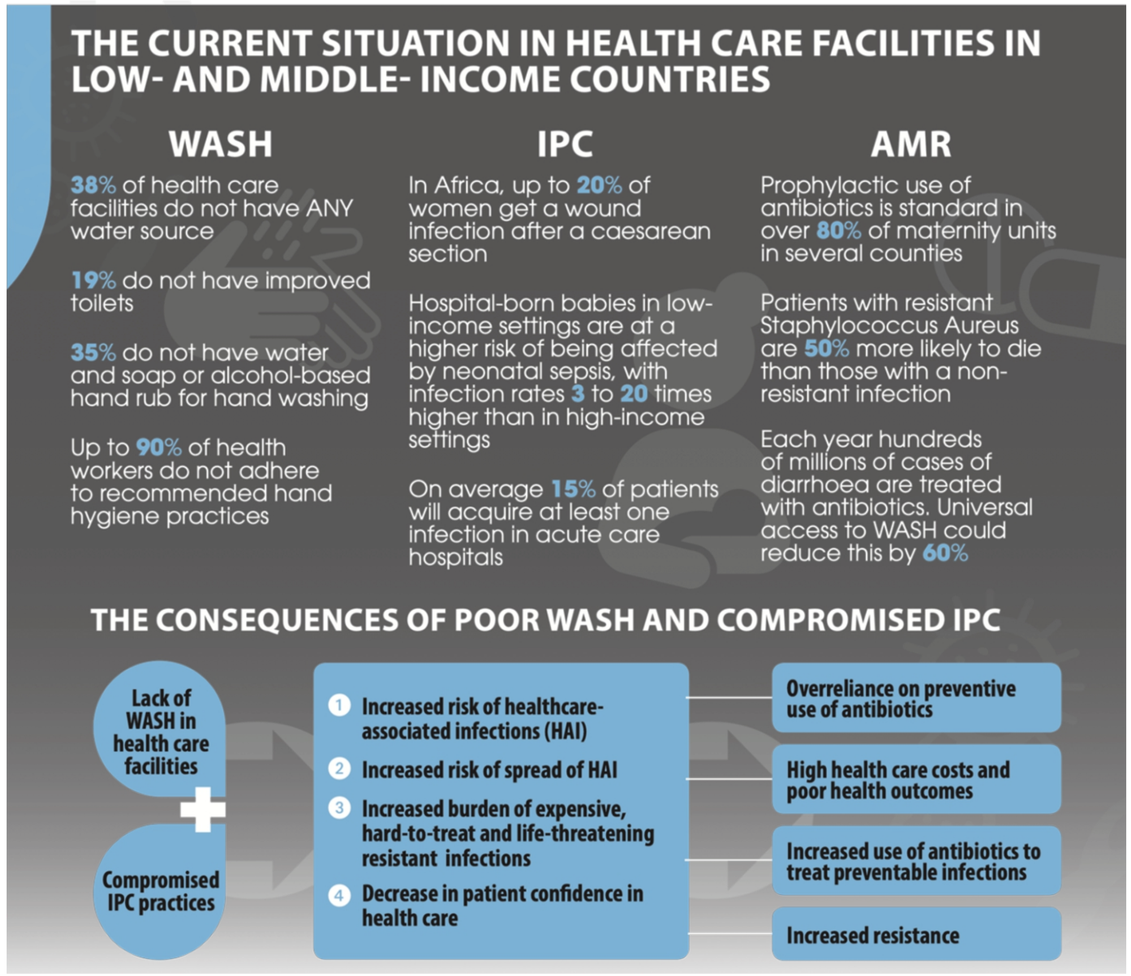
- Fully automated & maintenance free
- Capacity: 100 litres & 200 litres / day
- CSIR-IITR based robust design & technology
- High disinfection efficacy of >8 log reduction
- Negligible consumables & power requirement
- Work on battery or Solar power @ 2 watts / hour
- Hot Cold water mixer with Washing Bay (Optional)
- No exogenous chemicals added during disinfection
- Treat disposes medical waste as per BMW guidelines
- Continuous treatment cycles ensures uninterrupted working
- Audio visual alarm to avoid overflow of waste processing unit
- Automatic draining of treated waste to sewage lines at regular intervals

Liquid Discharge post treatment compliant to CPCB/MoEFCC Waste Management Rules Notification No. G.S.R.343(E), 2018

TACKLING ANTIMICROBIAL RESISTANCE

World Health Organization unicef

Antimicrobial Resistance (AMR) presents a significant threats to human health. World leaders have agreed that tackling AMR will require addressing both health & agricultural concerns with a focus on prevention. Improving infection prevention & control (IPC) and water, sanitation & hygiene (WASH) is one of the five objectives in the WHO AMR Global Action Plan.



Swacch Lab™ - ETP Infection Control Program has the following objectives:

- To minimize the risk of infection to patients, health care workers and visitors
- To formulate local guidelines and standard operating procedures (SOPs) for prevention & control of infection.
- To educate and train health care workers.
- To recommend antimicrobial policy for the hospital and formulate antimicrobial stewardship programme.
- To ensure implementation and monitoring of the programme.
- To conduct outbreak investigations, environmental surveillance activities (Air / Water Samples).
- To ensure compliance to biomedical waste disposal.