

WASA
LAHORE

A dark blue silhouette of a world map is centered in the background of the slide.

WASA Lahore Actions in response to Covid-19 (Coordinated Asian response to COVID-19)

INTRODUCTION

Water & Sanitation Agency (WASA) was formed in 1976 for Lahore
(Second biggest city with population of 11 million)

Functions:

WASA is responsible for:

1. Planning, designing and construction of water supply, sewerage, waste water treatment & drainage facilities:
2. Operation and maintenance of water supply, sewerage & drainage system.
3. Collection of revenue (Billing).



WASA LAHORE AGAINST COVID-19

1

Continuation of services

2

WASA frontline workers

3

Sustaining Financial Crunch

4

Extra Facilitation to General Public

5

Production of sanitizers and disinfectants

6

Out door sprays and walk thru tunnels

7

Support to Health Department for detection of Covid-19 in sewage

8

Information Sharing - Webinar

Challenges



Work from home for non critical sections

↑ Planning & Design

↑ Planning & Evaluation

↑ Administration / HR

↑ Finance

↑ Staff aged 50 years and above



Online System



Online Pension System



Online Medical System



Online Meeting Culture



Services



Skeleton staff



Chlorinated water supply & sewerage



Personal Protective Equipment's (PPEs) Distribution



Sanitizers and Soaps



Online System





Online Billing



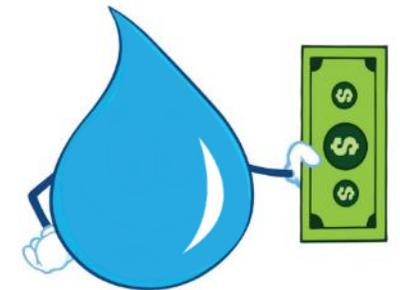
Online Payments



Outsourced Bill Printing



Outsourced Bill Distribution



Collection of Aquifer Charges

Hand Washing Facilities

Water Bowers



Hand Washing Stations



Hand Washing Drums



Distribution of Soaps /
Motorcycle Rickshaws



PRODUCTION OF SANITIZERS AND DISINFECTANTS IN WASA LAB

Sanitizers:

Preparation of 7000 bottles alcohol base Sanitizer (100ml bottles) and 250 bottles (500ml) refill with cost of only Rs. 70/L

Composition

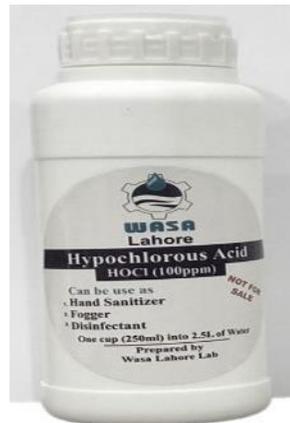
- 70% Isopropyl Alcohol
- 1% Glycerin
- 0.1% Hydrogen peroxide
- Vitamin E
- Rose/lemon Essence
- Rose water/distilled water



Disinfectants:

Preparation of diluted sodium Hypochlorite solution for surface cleaning

Production of Hypochlorous Acid for sanitizing and walk thru gates



OUT DOOR SPRAYS AND WALK THRU TUNNELS



“Two Mist Queens” of WASA are working for disinfection of city roads

- 15km roads are disinfected per day.
- 1600km roads are disinfected by Wasa mist queens.

OUT DOOR SPRAYS AND WALK THRU GATES (CONT..)

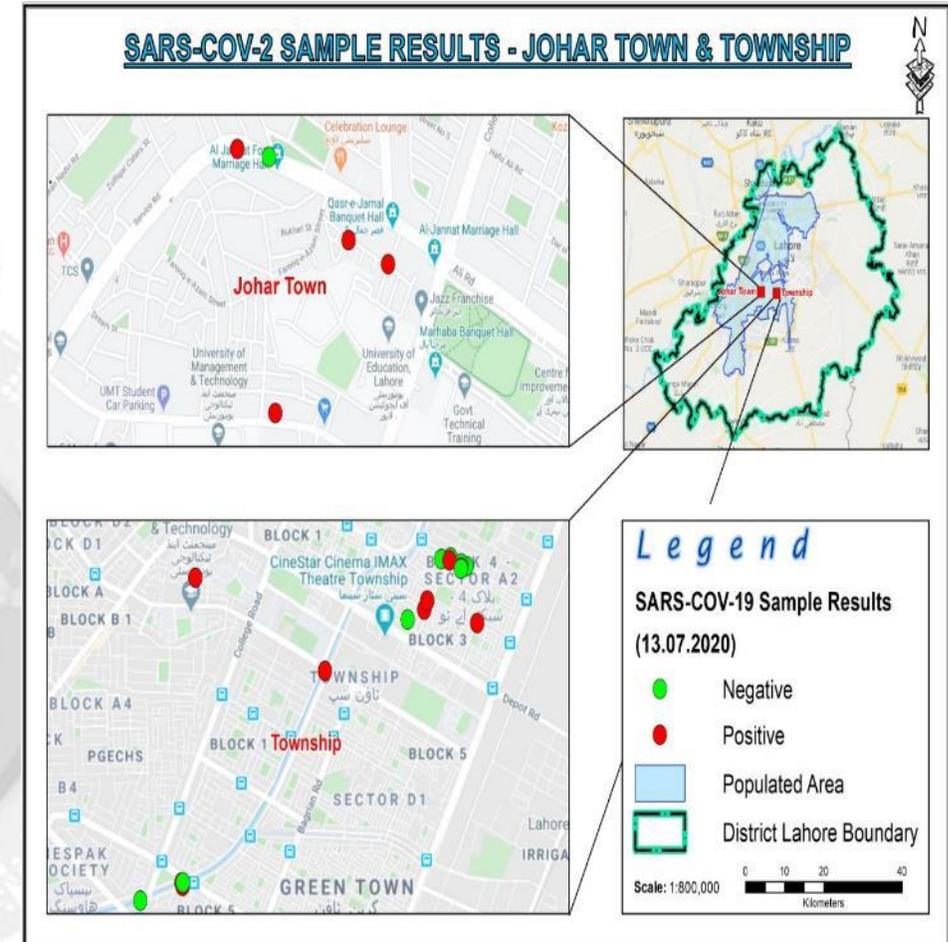


WASA installed 10 Disinfection gates in different public dealing institutions

07 SUPPORT TO HEALTH DEPARTMENT ON DETECTION OF COVID-19 IN SEWAGE (

A survey was conducted for identification of sars-cov-2 in sewage in selected lock-down areas of Lahore city, Pakistan;

1. Thru WASA GIS MAPS 28 locations within two lock down areas were selected for surveillance
2. Towards the end of smart lock down, most sites were negative for SARS CoV-2
3. Two persistently positive sites were backtracked/upstream for identification of houses for COVID-19 patients detection successfully
4. Surveillance and swabs from homes revealed the effectiveness of the strategy



Yaqub, Tahir, et al. "A longitudinal survey for genome-based identification of SARS-CoV-2 in sewage water in selected lockdown areas of Lahore city, Pakistan; a potential approach for future smart lockdown strategy." *medRxiv* (2020). <https://doi.org/10.1101/2020.07.31.20165126>

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INFORMATION SHARING-WEBINAR



Webinar on 17th July-2020



Webinar on 25th & 26th June-2020

WAY FORWARD

To introduce IT in every activities

To outsource as much as possible

To have contingency Plans

To share and exchange knowledge and experience





“We use trust as antidote to fear of Covid-19”

Thank You!

WATER BOWSER MOUNTED HAND WASHING FACILITY



20 water bowzers of WASA for frequent hand wash for public.

Average 6050 people wash their hands per day.

Up till now 731,520 people washed their hands.



DISTRIBUTION OF SOAPS

WASA distribute 60,000 soaps in 10 low income communities in the best interest of the public.

- Raiwind City
- Azeem Abad
- Saidpur
- Duban Pura
- Jhuggian nagar
- Talat Town
- Islampura
- Slums of Gulshan-e-ravi
- Ravi Road



HAND WASHING STATIONS



In COVID-19 war, “WASA” placed 15 numbers of static Hand Washing Stations at different offices.



Up till now, 281,940 workers have washed their hands from this facility.

DRUMS MOUNTED HAND WASHING FACILITY



- WASA placed 50 numbers of improvised Hand Washing Drums near hospitals and other locations in the city (keeping in view the water conservation measures).
- Average 5000 people are using this facility per day.
- Up till now 550,000 people washed their hands from this facility.

