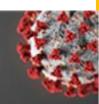


RESPONSE TO COVID 19







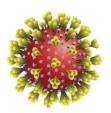
SAFELY MANAGED SANITATION

Good Practices by Greater Warangal, Telangana State



Compiled by Administrative Staff College of India

COVID-19 Pandemic ...A Brief Narrative



1. What is COVID 19: Coronavirus (COVID-19) is also known as SARS-CoV-2, 2019 Novel Coronavirus, nCov COVID-19 is an illness that can affects lungs and airways. The strains of the coronavirus have caused outbreaks such as severe acute respiratory syndrome (SARS) and middle east respiratory syndrome (MERS) earlier.



4. Treatment : There's no specific treatment for coronavirus (COVID-19). People with COVID-19 should receive supportive care to relieve symptoms. Currently there is no vaccine to prevent the disease.



2. How and when it emerged: The current strain is a zoonotic virus first popped up on global radar in December 2019, after it was first detected in Wuhan City, in the Hubei province of China. Initially, the virus existed in animals but was transmitted to humans. Open markets are believed to be part of the transmission where livestock is close to food and people with that kind of market setup.



5. Spread : The disease spreads from person to person through small droplets from the nose or mouth when a person infected coughs or exhales. People can also catch COVID-19 by touching objects or surfaces (where droplets land), then touching their eyes, nose or mouth.



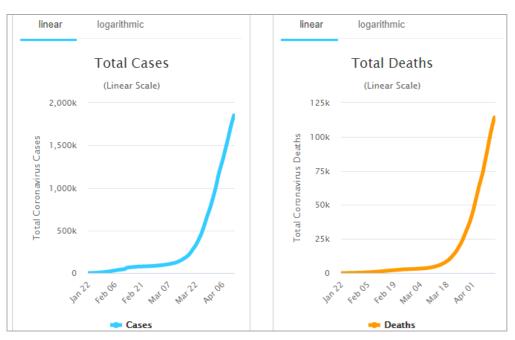
3. Symptoms : Most common symptoms are fever, tiredness, and dry cough. Symptoms may appear 2-14 days after exposure and vary in severity.



6. Measures : Simple measures like washing your hands often with soap and water and maintaining social distancing can help stop coronavirus spreading.

COVID-19 ...the Spread and Devastation

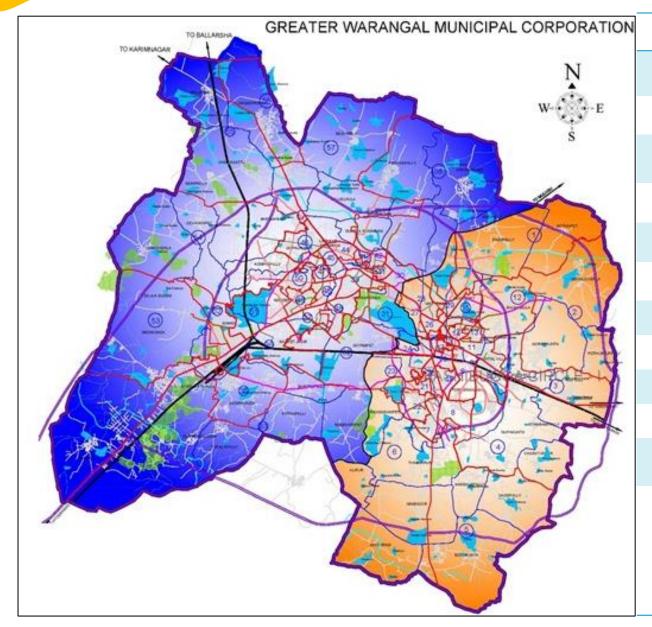
The Corona virus has spread in more than **210 countries** and **6 continents** and territories across the globe effecting millions of people causing several deaths. Billions of people around the planet are in lockdown situation as even developed countries are struggling to cope up with health services. The corona virus outbreak has been declared as a **Public Health Emergency of International Concern (PHEIC)** by the **World Health Organisation**. The risk is compounded to health and sanitation workers at the front-lines of the epidemic. As Covid19 spreads the global impact to the economy also continues to evolve at an unprecedented speed.



	J	Jpdated 16th Apr at 08:57 local
Warangal Urban		
Confirmed 25	Deaths 0	Recovered 4
Telangana cases		
Confirmed 504	Deaths 9	Recovered 43
India cases		
Confirmed 9152 + ⁷⁹⁶	Deaths 308 +35	Recovered 857 +141
Global cases		
Confirmed 18,46,680 + ^{1,61,847}	Deaths 1,14,090 +11,954	Recovered 4,21,497 +45,998
		Source : Worldometer



Greater Warangal ... a glance



Parameters	Greater Warangal
Households (Number)	3,00,000
Population (Number)	10,00,000
Area (sq. km)	407
Wards (Number)	58
Slums (Number)	183
Slum Population (Number)	37%
Road Network (km)	2775
Literacy (%)	83.30
Type of Covid Zone	Red
No. of. Covid confirmed cases	26
No.of.Suspects quarantined	462

Red Zone Areas in GWMC: Julaiwada, Subedari, Eidgah, Kumarpally, Mandibazar, Pochamma Maidan, Char Bowli, Kashibugga, Ganesh Nagar, Nizampura, Lamipuram, Rangampet, shambhunipet, Bapujinagar, Chintagutta

Sanitation Initiatives by Warangal City

Cure for Corona – by the Multispecialty Sanitation Warriors

Sewer cleaners





Unblocking and cleaning open drains, sewer and wastewater drains with risk of encountering fecal matter

Garbage Collectors





collecting garbage could come into contact with numerous hazardous materials vulnerable to their health

Toilet cleaners





maintaining public/community toilets often insanitary have the risk of succumbing to bacterial infections

Sweepers





road sweeping, often encountering fecal matter due to open defecation and insanitary latrines connected to drains

Desludgers





Emptying, collection and transport of human waste from septic tanks on an on-demand basis

Housekeepers





Cleaning and disinfecting surface, floors, public areas

In these times of devastation where the world's highest professional medical fraternity and research is struggling to cope up with the infected Corona virus in humans, the multispeciality warriors are giving us a hope. Yes, you read it right, the SANITARY WORKERS in the current situation, are more valuable than those highly qualified doctors combating and destructing the Corona virus before even inflicting into the humans contributing to preventive cure. PREVENTION IS THE HOPE WHERE THERE IS NO CURE.

Leadership - Gratitude to Sanitation Workforce









appreciation and

gratitude to the

frontline warriors







Mayor of Warangal

The government announced special incentives to each sanitation worker in the Greater Warangal Municipal Corporation GWMC and their counterparts in municipalities and village Panchayats. The GWMC has 2500 sanitation workers including employees.

- All regular and outsourced Sanitation Employees/personnel of all Municipal Corporations and Municipalities @ Rs.5,000/-.
- All regular and outsourced Sanitary cum Multi Purpose Workers of Gram Panchayats @Rs.5,000/-.

Leadership – Recognising Sanitation Champions

Greater Warangal Municipal Corporation
@MC_GWMC

The Exahaustingly Elaborate process of scientific disposal of Biomedical Waste.

We salute the Team who risk their lives, dealing with Bio hazard each day.

Despite all the PPE, it takes immense commitment & courage to deal with human waste.

#CoronaCombatForce #WarangalWorthy



I immensely thank the whole municipal department and sanitation workers who are working tirelessly in this crucial situation to keep the city clean and I was astonished for the quick response. @PamelaSatpathy @MC_GWMC



6:56 PM · Apr 14, 2020 · Twitter for Android

Kazipet



Door to Door collection sanitary workers were thanked and given essentials as a token of appreciation from kids







Leadership – Motivating and Monitoring

best out of waste ... Mascot with a Mask

Together we win .. officials & sanitary workers



A teddy bear dumped in the garbage has become a Mascot advocating wearing of mask Divisional Sanitary workers trained on safe sanitation combating COVID 19







Senior officials led by Collector and Commissioner conduct COVID 19 review meetings



Leadership – On the Field

Inspection of all government hospitals district officials





Thermal Scanning





Zero-touch Infra Red based thermal scanning in Containment Zones. ANMs and ASHAs cover each household from door to door & undertake screening & survey twice a day.

Commissioner inspecting UMS attendance point and instructing to intensify the spraying activity



Collector
and officials
inspecting
vulnerable
localities 'no
movement
zones'



Sanitization of Public Places ... novel ideas

Greater Warangal Municipal Corporation

A Disinfectant Tunnel

Zero Touch Wash Basin





The authorities have scaled up preventive measures to ward off coronavirus by installing a "disinfectant tunnel" at the LIC vegetable market. The small arch-like enclosure resembling door-frame metal detector has been installed at the entrance of the temporary vegetable market to spray disinfectant solution on vegetable vendors, including farmers, and the consumers as part of public health safety measures.



Capacity: 220Ltrs

Cost per unit: 14,000 INR



A very useful frugal innovation by Sri. Ankam Srikar, a young innovator from Warangal,

Zero Touch Wash Basins installed by GWMC in seven major public places. All public places to have one soon.

Sanitization of Public Places ... GWMC in action

Spraying with the high-flying drones







Automatic Power Sprayers and **Fumigators**

Kakatiya Zoological Park



GWMC Sanitation Team disinfecting as Corona virus is zoonotic, i.e. they are transmitted between animals and people. Ensuring safety of animals around is critical for containment of COVID 19

Extensive Disinfection







Spraying activities & fire engines in Mandi Bazar

Safety in Sanitation ... not a norm now but a mandatory culture

Personal Protective Equipment

PPE is clothing designed to reduce exposure to chemical, biological, and physical hazards risk



PPE for preventive protection



The district officials mandating the use of protective equipment and hygiene



Sanitation workers cleaning hands with sanitizer after work

Social Distancing ... at public and community toilets



Following the discipline..
Community toilets at the
Christian Colony, Warangal



Physical distancing..
Community toilets at the Pothananagar, Warangal







Social Distancing ... at the market places

maintaining social distance at the grocery store in Hanamkonda





Leaders bringing awareness to the citizens at kashibugga



PDS distribution in a planned manner at Hasanparthy

Procurement of Personal Protective Gear

Personal Protection Equipment: The state government is building enough stocks and adding up of PPE and other safety equipment to last comfortably for the entire cycle of the present coronavirus outbreak in Telangana. Realising that there is a shortfall of PPE equipment and masks from China, which is the largest exporter of such equipment, the State government has tied up with local manufacturing companies in Tamil Nadu and other States that will supply PPE and N95 masks in the coming weeks.

(PPE) kits and five lakh N95 masks for healthcare and sanitary workers who are in the forefront in combating coronavirus. The government consulted distributors and manufacturers of medical equipment across India and placed orders for procuring two crore surgical masks and one crore medical gloves for government doctors and nurses. The orders for 3.5 lakh coronavirus testing kits and five lakh special safety eye-glasses were also placed.

Greater Warangal Municipal Corporation has procured **3000 cotton cloth masks** prepared by **Central Prison** for distribution, in our fight against **COVID19**. These can be easily washed with Hot water, Disinfectant, Sun dried and reused.





Initiatives by SHGs, NGOs & Volunteer Groups

Self Helps Groups



Balavikasa arranging for dry rations and groceries and sanitizers worth Rs 2.2 lakhs for 400 members of the transgender community, rightly choosing to serve a very vulnerable group.





The Self Helps Groups (SHGs) across the State are doing their bit in the fight against Covid-19 by stitching a bunch of masks every day. This is to overcome the shortage of face masks and increase their supply to sanitation workers and other frontline workers free of cost. The **TS Mission for Elimination of Poverty in Municipal Areas (MEPMA)** has been assigned the task of supervising the initiative. In every district, there are about 10 groups. Their target is stitching more than 4,000 masks, which are easy to wear and reusable.



Volunteer Groups .. proactivness



Women Volunteer Groups proactive in reaching out to various shelter homes, orphanages - gathering & distributing supplies.

Initiatives by SHGs, NGOs & Volunteer Groups

Hitah Seva Society donating groceries to Amma Old-age & orphanage





Face shields donated by Dr. Shanta Thoutam



GWMC Women's Team distributing free hot cooked meals to various shelter homes, orphanages

Channeling donor contributions



Marwadi Samaj of Warangal serving food to 1500 needy people everyday during this lockdown.

Waste Management

Environmental cleaning, disinfection and bio-medical waste management











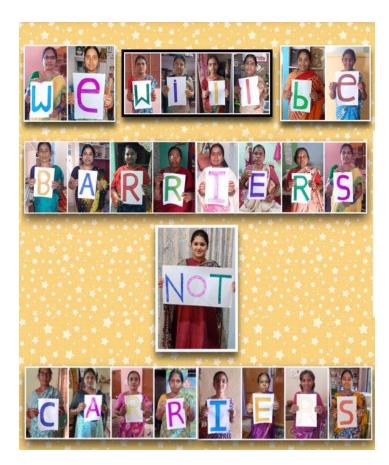
- special care in disposing waste from quarantined households.
- to provide quarantine households with specially-marked yellow non-chlorinated garbage bags
- waste generated from quarantined houses would be treated hazardous biomedical waste.
- collected in separate collection vehicles and transported separately, and the vehicles would be thoroughly disinfected every day.
- ensure proper disposal of such waste only through incineration
- In case the incineration facilities are unavailable, these waste should be buried in a deep pit as a last resort, so that they cannot contaminate any other surface.
- sanitary staff involved in the collection and transportation of the hazardous waste should be provided with personal protective kits every day.
- before leaving for collection of waste and after returning to their duty station, every sanitary staff would be subjected to thermal checking.
- sanitary staff should deposit their used masks and gloves at a designated, cordoned-off area and such used protective gear should be treated as hazardous waste, to be disposed of through incineration.

Category	Type of bag/container	Type of waste	Treatment disposal options
Yellow	Non chlorinated colour coded bags in coloured bins Separate collection system leading to ETP	Human anatomical waste Animal anatomical waste Soiled waste Expired or discarded medicines Chemical waste Micro, biotech & clinical lab waste Chemical liquid waste	Incineration/deep burial
Red	Non chlorinated plastic bags in coloured bins/ containers	Contaminated waste (recyclable) tubing, bottles, urine bags, syringes (without needles) and gloves	Auto/micro/hydro and then sent to recycling
White	Translucent, puncture, leak & tamper proof	Waste sharps including metals	Auto/dry heat sterilization followed by shredding /mutilation/encapsulation
Blue	Water proof card board boxes/containers	Glassware waste	Disinfection or auto/micro /hydro then sent to recycling

*Disposal by deep burial is permitted only in rural or remote areas where there is no access to common biomedical waste treatment facility. This will be carried out with prior approval from the prescribed authority

Collective Action: #WarangalFightsCorona

Barriers not Carriers



24th Division Corporator along with Ramannapet citizens support lockdown period and express their solidarity from their homes through this simple message

Being Human .. a noble act



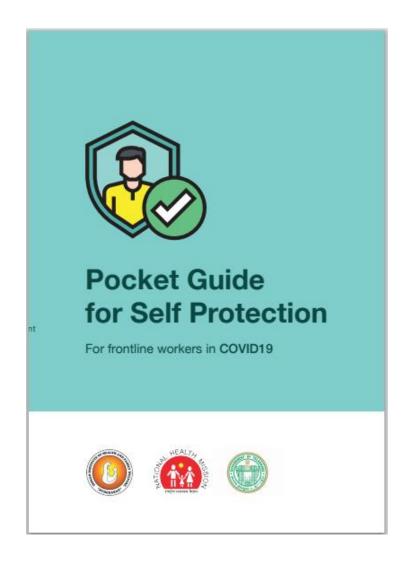
Bidding honorable farewell to the monkey by the sanitation staff

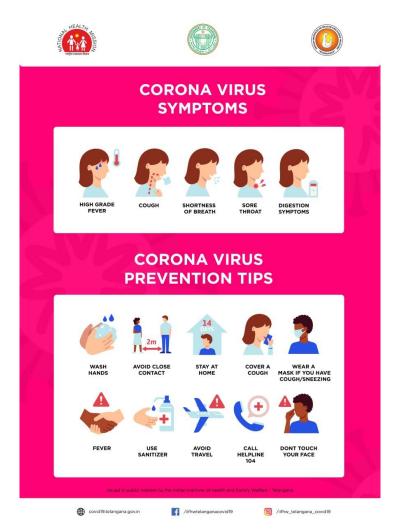
We will win ... Corona will loose

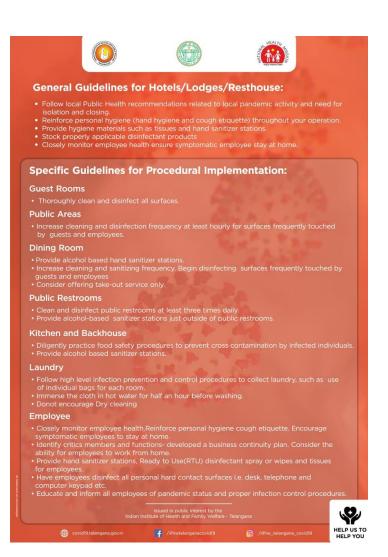


Saniya donates all her piggy bank savings to fight against Coronavirus

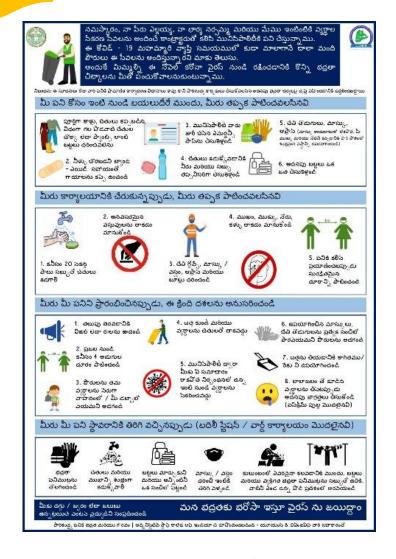
Information, Education & Communication Campaigns (IEC)

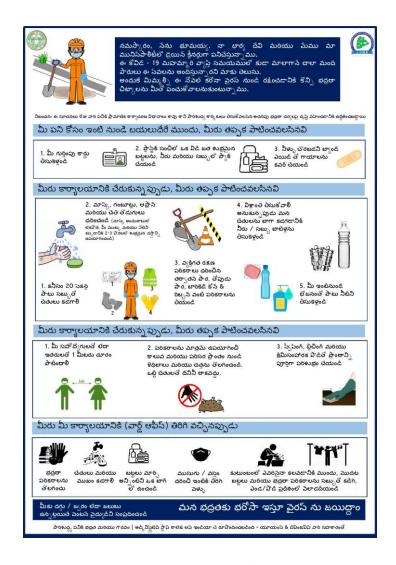


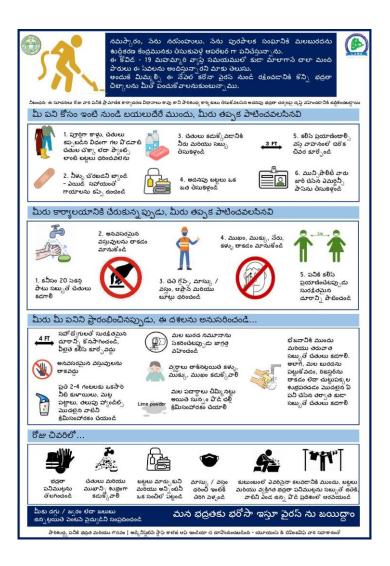




IEC – Safety and Dignity to sanitation work





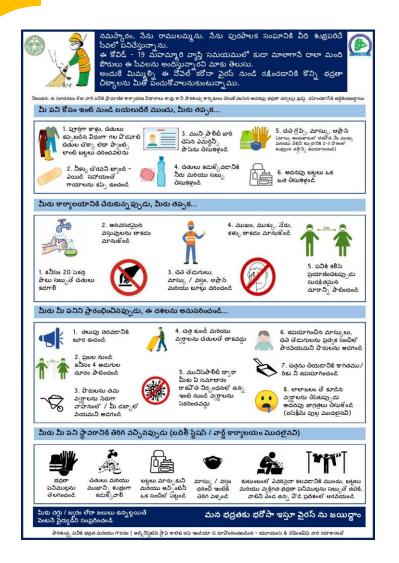


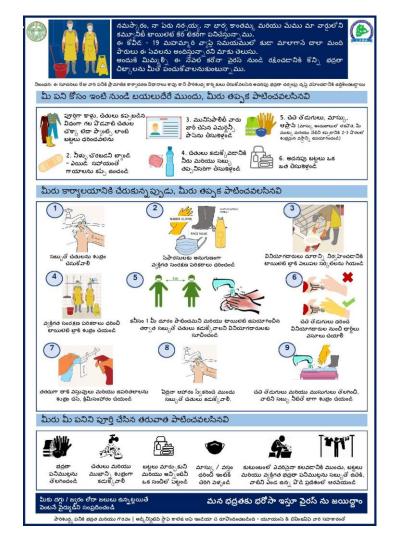
Sanitation Safety for door-to-door waste collectors

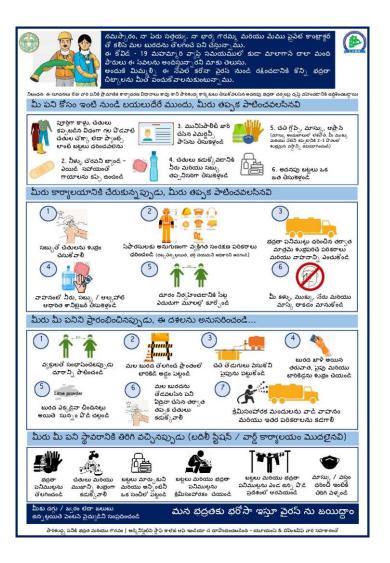
Sanitation Safety for drain cleaners

Sanitation Safety for FSTP worker

IEC – Safety and Dignity to sanitation work







Sanitation Safety for street sweepers

Sanitation Safety for caretakers of community toilets

Sanitation Safety for desludgers

Information, Education & Communication Campaigns (IEC)





Personal Protective Equipment for Sanitation Workforce

Illustrated Guide

Compiled by Administrative Staff College of India, 2020



Sanitation Initiatives by the State

Leadership - Gratitude to Sanitation Workforce

The government announced special incentives to each sanitation worker in the Greater Hyderabad Municipal Corporation (GHMC), Greater Warangal Municipal Corporation (GWMC) and Hyderabad Metro Water Supply (HMWS) and their counterparts in municipalities and village panchayats.

The state government had taken the decision to express their gratitude to the work being done by the staff in ensuring that sanitation is maintained and the spread of the disease is curbed.

The state has 95,392 sanitation workers including employees of GHMC and HMWSSB. In GWMC there are 2600 workers

An incentive to the employees of the Medical and Health Department was also announced in recognition of their services in combating the coronavirus.

- i. All regular, Contract and Outsourced staff members of Medical and Health department, @10% of their gross salary/remuneration.
- ii. All regular and outsourced Sanitation Employees/personnel of GHMC @ Rs.7,500/-
- iii. All regular and outsourced Water Supply Linemen and Sewerage Workers of HMWS&SB @ Rs.7,500/-.
- iv. All regular and outsourced
 Sanitation Employees/personnel
 of all Municipal Corporations and
 Municipalities other than GHMC
 @ Rs.5,000/-
- v. All regular and outsourced Sanitary cum Multi Purpose Workers of Gram Panchayats @Rs.5,000/-.

appreciation and gratitude to the frontline warriors



Leadership - Funding for Sanitation ... prudent decisions



The Principal Secretary, MA&UD issued instructions not to compromise with sanitation maintenance in view of the coronavirus threat.

Release of funds for sanitation



has released funds to the tune of **Rs.181.50 crore** under the Land Regularisation Scheme (LRS) to the five districts under the HMDA limits and has directed district

The State Government

The state government has released fund of **Rs.70 Lakh** to GWMC.

authorities to intensify sanitation measures.

intensifying sanitation measures









For the safety of sanitary workers and employers, sanitizers, radium jackets, gloves and masks were made available at all attendance places in all GWMC offices. Officials were directed to ensure all the sanitation workers wear the safety personal protection equipment.

Support Centres / Digital Technologies



Warangal Helpline Number 0870-251077

Email: controlroom.warangalurban@gmail.com

Telangana Helpline Number: 104

Helpline Numbers Toll free: 1800 425 51115



Support Centres / Digital Technologies



WhatsApp Chatbot – TS Gov COVID Info

Telangana Government launched its official WhatsApp Chatbot – TS Gov COVID Info (on +91-9000658658) – as part of its efforts to provide authentic information to citizens on the Coronavirus/ COVID-19 pandemic.

The Government of Telangana has partnered with WhatsApp to establish a dedicated Coronavirus helpline for citizens to receive accurate and verified information on the pandemic.



Monitoring Mechanisms

COVID -19 Monitoring System App

Government of Telangana deployed India's first **automated monitoring app** developed by Vera Smart Healthcare to identify, undertake live surveillance, track, monitor, and provide real-time analytics to the Health Department.

The system empowers each health-caller to **handle 1500+ calls** and simple chatbot interaction every day with a patient to ensure that the symptomatic or confirmed 'positive', quarantined and is under treatment, helping to strengthen the COVID contacts outreach significantly.

The vital features of the app is **Geotagging** and **GPS tracking** of the home quarantined person, to ensure that he/she is not breaching the law of quarantine. With instant trace and trackability, accurate information is pushed to the authorities even if there is a breach.



COVID -19 Monitoring System – Touch Points

PHC sub-center

Around 4800 in number, receive data from the ASHA workers, push them to the next level.

PHC

Public Health Centre, 886 in the state, flows out the data to the District Medical Health Officer.

DMHO

- The officer-in-charge takes charge of the situation in the respective districts by following the concerned hierarchical officer at the Health Department, to whom the data is transmitted.

Monitoring Mechanisms



24 x 7
Command
Control
Centre



The state government sets up a command control centre at Koti to handle the coronavirus crisis under the chairpersonship of Health Minister. This centre is operational 24x7 and we will be monitoring the situation. The Health Minister, Chief Secretary, Commissioner of Public Health and Family Welfare are part of the Command Control Centre.

There are four committees formed to monitor and handle the crises and will be headed by Senior IAS Officers

- √ hospital management committee;
- ✓ surveillance committee;
- √ information, communication and education committee;
- ✓ procurement committee

Other initiatives by the State

Social Distancing ... the State's measures

Social distancing or physical distancing is deliberately increasing the physical space between people to avoid spreading illness. Staying at least six feet away from other people lessens your chances of catching COVID-19.

Complete Lockdown:

a state of isolation or restricted access instituted as a security measure.

The state has announced a complete lockdown in the state till April end in view of the coronavirus outbreak.

- all state borders have been sealed other than for movement of essential and perishable commodities
- all public transport services including TSRTC buses, SETWIN, Hyderabad Metro, taxis, auto-rickshaws not permitted.
- citizens were requested to stay at home and come out only for permitted activities while strictly observing social distancing norms during specific hours.
- quarantine persons shall strictly observe the same failing which he/she will be liable for penal action and shifted to government quarantine



Token System: State has introduced a system of issuing tokens with time slots to card holders, so that they don't gather at the fair price shops and come as per their allotted time. School buildings have been utilised to keep the stock. A vehicle with audio and speaker facility is used to make announcements in villages and residential areas in the city about the fair price shop timings, token system, time slots and other necessary norms to be followed.

Door Step Services of Essentials

GREATER WARANGAL MUNICIPAL CORPORATION

Home Delivery Agency in Warangal

GREATER WARANGAL MUNICIPAL CORPORATION

	Но	me Delivery Agency	in Warangal	Sign
SL. No	Name of the Trade	Name of the Owner	Cell No	Wards
1	Wallmart Ind. Ltd., Best Price, Shiva Nagar	L Bhaskar Kishore	8448386359 9985004163 7428799134	All Divisions in Warangal Area
2	Reliance Fresh, Pochammamaidan (2402)	K Anil Kumar	9177590919	1,28,29,25,26,27
3	Sri Bhavani Super Market, M.G Road	Ch Shiva	7995389232	28,29 and o city
4	Avenue Supermart Ltd., (D-Mart), Laxmipuram	K. Chandra Shekar	9160570276	10,11,12,13,14,15,16 ,17
5	Reliance Smart, Warangal Head Postoffice	K. Uday Kumar	+91 870 297 0298	18,19,20,21,22
6	Veerabhadra Super Market Under bridge Road Near Head Post Office Warangal	Krishna Kishore	855580555 8639965821	16,17,18,19,20



Groceries delivered to home on order.
Contact numbers of vendors are made public

Veggies on wheels ... the mobile Rythu Bazars



Mobile trolleys launched for selling vegetables at doorsteps. Door delivery of vegetables, groceries and other essentials through 26 mobile markets servicing 'no movement zones' spanning across 41000 households. Greater Warangal Municipal Corporation in association with Agriculture and Marketing department arranged the Mobile Rythu Bazars and operated them in different areas. Vendors were instructed to sell the vegetables at the prescribed prices only.

Catering to Marginalised Groups

Annapurna canteens







Collector Warangal Urban Dist @Collector_WGLU · Mar 29

Presently 8 #AnnapurnaMeals centres Supported by GWMC are functional in these areas of high population density.

They provide 5 Rs Lunch.

The number of people catered to is increasing each day. GWMC has also opened up Free Breakfast & Dinner centres in many areas with donor help.

HKMCF -	HKMCF - GWMC (warangal)	
SI no	Centers Name	Feeding of GWMC
1	Warangal Railway Station	120
2	C.K.M. Hospital	120
3	Under Bridge	60
4	MGM Hospital	120
5	Market Yard	60
6	Zilla Parishad	60
7	Govt Maternity Hospital	120
8	Kazipet Railway Station	120
To	otal Feeding	780
		2

Greater Warangal Municipal Corporation providing **free meals** at 8 canteens to 780 persons during day & night.

Caring the immigrants





The local VRO handing over each immigrant workers Rs.500 and rice bag and other essentials.

Quarantine Facilities ... Warangal Urban and Rural

 Kakatiya Medical College Haritha Kakatiya Punnami Guest House, Hanmakonda Warangal Kakatiya University Boys Hostel 	Names of Quarantine Centres
 Urban & Rural Kakatiya University Girls Hostel Kakatiya University Sports Hostel Govt. Ayurvedic Hospital Regional Eye Hospital 	 Haritha Kakatiya Punnami Guest House, Hanmakonda Kakatiya University Boys Hostel Kakatiya University Girls Hostel Kakatiya University Sports Hostel Govt. Ayurvedic Hospital





Quarantine Facilities ... the makeshift hospitals facilitated by the State







The state has set up quarantine facilities at **Telangana State Forest Academy** in Dulapally and Haritha Valley View Resorts at Ananthagiri Hills in Vikarabad district. The **GMC Balayogi Athletic Stadium** in Hyderabad's Gachibowli is also being renovated and being converted to a **1500 bed hospital**. A huge water tank with a capacity to hold of 10 lakh litres of drinking water, sufficient to support at least 3,000 persons, is being constructed at the sports village. Separate facilities for health care workers and other staff is also being created at the quarantine facility.

Private medical college hospitals in Telangana are contributing by providing upto 15,500 beds for treating coronavirus patients in response to a government request for ramping up the capacity to meet any situation. The **21 colleges** together have 15,500 beds, including 1,100 in Intensive Care Units (ICU), and 200 ventilators.



Mobilisation of Medical Professionals



Department of Health, Medical & Family Welfare

Government of Telangana





MEDICAL PROFESSIONALS RECRUITMENT Apply Online
STAFF NURSE VACANCIES-APRIL 2020 (OUT SOURCING BASIS) Click Here

Login

Telangana Government has issued notification for Recruitment of Medical Professionals on temporary basis to assist the COVID19 containment efforts



తెలంగాణ ప్రభుత్వం ఆరోగ్య మరియు కుటుంబ సంక్షేమ శాఖ

మెడికల్ ప్రాఫెషనల్స్ నియామకం

ఆరోగ్య మరియు కుటుంబ సంక్షేమ శాఖ, తెలంగాణ ప్రభుత్వం వారిచే కాంట్రాక్టు ప్రాతిపదికన నియమించుటకు మెడికల్ ప్రొఫెషనల్స్ అనగా డాక్టర్లు, నర్సులు మరియు ల్యాబ్ టెక్నీషియన్లు (రిటైర్డ్ మెడికల్ ప్రొఫెషనల్స్ తోసహా) నుండి దరఖాస్తులు కోరబడుచున్నవి. నియామక ప్రక్రియ, చెల్లించే రెమ్యూనరేషన్ వివరాలు మరియు ఆన్లైన్ దరఖాస్తు ఫారం health.telangana.gov.inలో లభించును. దరఖాస్తుకు ఆఖరి తేది: 03-04-2020.

సం/- స్పెషల్ చీఫ్ సెక్రకటల్ టు గవర్నమెంట్, DIPRRO.No. SPL/CL/ADVT/1/2019-20, Dt 28-03-2020 **అరోగ్య మలయు కుటుంబ సంక్షేమ శాఖ**

No Category

Medical Officer - Specialist

Medical Officer - MBBS

Medical Officer - AYUSH

Staff Nurse | Lab Technician









Thank you and a big salute to our Swachhta Warriors!









Sanitation workers are keeping our surroundings clean and helping us FIGHT COVID-19

