

Kinjal Singhal
National President, ITES & Digital Commerce Council

To, Shri Atul Karwal,
Directorate General, NDRF

5th July, 2022

Subject: Possible Solutions To Mitigate The Current Situation in Mumbai and Associated Areas

Considering current erratic situation in Mumbai and associated areas, the current water logging due to heavy rainfall and increasing pressure on the government personnel to manage this highly delicate and tough situation. We at the Women's Indian Chamber of Commerce and Industry extend these rapid suggestions to help in implementation. We have worked upon the following suggestions to assist the team -

1. As an immediate remedy, we propose curating a **Vacuum Model Device with a greater capacity rain gauge** that can drain and suck the water at high sensitive places such as major potholes to reduce road accidents for bike riders and rickshaws with the help of young and digital entrepreneurs. This is a complex solution that will necessitate the use of manpower to vacuum the logged area, but it is necessary. Alternatively, we can set up a vacuum that can be attached to the nearest drainage.
2. Increasing the **impact-based forecasting** online for road users regarding wet areas through GPS. This includes increasing the efficiency rate of IFLOWS, Mumbai's integrated flood warning system. IFLOWS would be an appropriate platform for showing flooded regions in Mumbai for travellers commuting for important services to take a proper route.
3. Implementing an online platform for train updates, such as which stations are under extreme pressure belt, so that passengers can use the resources available at the correct time. This online platform can be obtained as '**Safer Rains in Mumbai**' for college students, females, and pregnant women who currently travel by train. Because there is a high possibility of trains becoming stranded in between, the platform could assist citizens in **identifying causalities and needs**.
4. **Immediate provision of necessities** such as food, clean water, and clothing for people in the lower economic belt who live near stations or in impoverished areas. Given the limited resources, there is an urgent demand for NGOs or Rotaract Clubs to step in and assist the workers with distribution.
5. We believe that **reducing surface runoff and increasing filtration of pollutants** reduces the likelihood of nearby waterbodies becoming polluted as well as internally obstructed. This will also save money on cleanup. Researchers discovered that bio-retention cells are the most successful stormwater management project in terms of screening contaminants from runoff, lowering stormwater runoff, and delaying peak flow speed.
6. To **increase RWH systems are also a type of storage-based Stormwater Control Measure (SCM)**, which capture, store and divert the rainwater from direct runoff to end-use, thus reducing the amount of excess flow delivered to receiving waters and mitigating flooding risks.

As an Indian citizen living in Mumbai, seeing my fellow citizens suffer in these circumstances is heartbreaking. Recognising the immediacy and gravity of the situation, I am willing to assist you to the best of my ability and commence these task points. I eagerly await your response. We at the Women's Indian Chamber of Commerce and Industry are eager to assist and offer our assistance in resolving this situation.

Thanking You,

Best Regards,
Kinjal T Singhal

