RECOMMENDATIONS
It is known fact, that water supply sector has so far been treated as a social service and welfare measure and not organised purely on commercial principles to make it viable and sustainable in the long run. The challenges are formidable but then our capabilities are infinite. Therefore, the engineers, planners, officers and workers-in-charge of urban water supply sector have challenging task before them to deal with the situation. Hence, present investigation appeals to them to take all possible concret efforts to provide safe drinking water to 10 to 11 millions of people of this Aurangabad city.

➤ Because of industrialisation, pressure mounted on Aurangabad Municipal Corporation to provide infrastructure and basic services including water supply. This industrialisation is increasing the environmental degradation of Aurangabad city. Hence, Industrial Estates of Aurangabad should contribute some finances or adopt some services in the form of joint venture with Aurangabad Municipal Corporation as a moral duty.

➤ Aurangabad Municipal Corporation should provide proper attention to maintenance and use of Nahars which are at present in existing form with the help of Archeological Department and conserve them as an asset.

➤ While implementing schemes, quality material should be maintained to avoide the frequent damage and leakage in the system.
Pharola Water Treatment Plant needs to adopt the new technologies to treat the water including modern approach in design and construction.

To avoid low pressure and uneven distribution, Aurangabad Municipal Corporation should apply effective management through modification in the distribution system.

Aurangabad Municipal Corporation should consider to implement the computer software OPTDIS developed at National Environmental Engineering Research Institute, Nagpur for Aurangabad city water supply distribution method as well as existing water supply system.

There is an urgent need to draw up a systematic plan for leakage detection and preventive maintenance of the water supply system.

To encourage the Water Supply Department, in this endeavour the leakage detection and preventive maintenance may be taken up as a venture by Aurangabad Municipal Corporation with Private Agencies. Secondly, good quality leak detection equipment needs to be adopted by the Aurangabad Municipal Corporation.

Quality of water being supplied should be monitored continuously to ensure that the same is of acceptable standard. In this regard high priority should be given to provide high quality water particularly in summer and rainy season.

The health education and awareness programmes need mass contact and communication. Hence, Aurangabad Municipal Corporation should pay an
attention to give the mass education through community programmes such as drama, street palys, religious congregations, etc. by means of posters, advertisements, electronic media. Aurangabad Municipal Corporation can take the help of NGO's which are working in a city of Aurangabad which will be great advantage to reach the community.

➢ Adequate budgetory allocation must be provided to Water Supply Department by the Aurangabad Municipal Corporation for the best performance and need to evaluate this performance by Private Agency.

➢ Water should be costed approprietly so that, it is valued and water tariff should be transparent and contribute to adequate cost recovery with consideration of social, economic and environmental effects.

➢ Effective implementation of Roof Top Rain Harvesting system to be made mandatory to each and every house to increase the groundwater table.

➢ Active public participation is important for water conservation and water management to avoid the misuse of water. Hence, water education through water literacy is necessary.

➢ Public awareness regarding water should be raised through appropriately couch media efforts and other avenues viz. involving local Television channel, Radio calling on the skills or Journalists, Science writers and other communication specialists. Such understanding is crucial to popular support to water supply and management in Aurangabad.
Study of water supply system and management in Aurangabad city

- An awareness among public should be made payment of water tax. The payment of water tax should be made mandatory to every water consumer.

- There should be a sort of co-ordination between water supply section, MJP, CADA, MSEB and Administration of Aurangabad Municipal Corporation in order to provide adequate quantity and pure quality of water regularly.

- Aurangabad Municipal Corporation should make mandatory to each and every consumer to meter the tap connection at least in order to being check on misuse of water.

- A campaign should be launched in the city with the theme of *Improved Water Supply at Appropriate Price*. This should be followed up with improvement in supply, increase in water charges, simplification of procedures to procure water connections.