

**PURUSHOTTAMDAS BAGLA HOMOEOPATHIC
MEDICAL COLLEGE, CHANDRAPUR**

**Report on
Water Purification Plant visit**

Under the Guidance of

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Submitted by

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Venue- Water Purification Plant, Tukum, Chandrapur

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On dated 26 August 2024, final year students of Purushottamdas bagla homoeopathic medical college visited the water purification plant, Chandrapur.

As water plays the most important part in our day-to-day life, so it was interesting to know more about the purification of water.

There are various processes in the purification of water. The water purification occurs on a large scale, so these are the following processes which we saw during our plant visit:

- 1) **Aeration chamber**- It is also called as aeration fountain.
- 2) **Alum room**- Here PAC (poly aluminium chloride) powder mixed with water
- 3) **Sedimentation tank**- Here all the dirt settles down and clear water drains out.
- 4) **Filtration room**- In this room sand beds were placed and clear water filtered out at the bottom of the sand bed.
- 5) **Chlorination room**- In this room automatic machineries were placed which add chlorine in water to disinfect it finally
- 6) **Pump chamber**- In this room powerful pumps were used to pump the purified water into the main reserve balance tank.

From that the purified water distributes all over the town by various tanks located in that area. Every pump has non return valve to prevent back flow of water through the pipes.

The whole visit was very knowledgeable it made us aware about the quality of water which should provide to us having high standards.

We experience the structure of plant, working and functioning of machinery. All students got a lot of benefits and practical knowledge by visiting the water purification plant, Chandrapur.

