LIST OF FIGURES

- Figure 1: Location map study sites in Kolhapur.
- Figure 2: Minimum, maximum, and average values of pH at 19 sites during three seasons.
- Figure 3: Minimum, maximum, and average values of temperature ⁰C at 19 sites during three seasons.
- Figure 4: Minimum, maximum, and average values of electrical conductivity in umhos /cm at 19 sites during three seasons.
- Figure 5: Minimum, maximum, and average values of turbidity in NTU at 19 sites during three seasons.
- Figure 6: Minimum, maximum, and average values of total hardness in mg/lit at 19 sites during three seasons.
- Figure 7: Maximum, minimum and average values of Calcium in mg/lit at 19 sites during three seasons.
- Figure 8: Maximum, minimum and average values of Magnesium in mg/lit at 19 sites during three seasons.
- Figure 9: Maximum, minimum and average values of free CO₂ mg/lit at 19 sites during three seasons.
- Figure 10: Minimum, maximum, and average values of Dissolved Oxygen (DO) mg/lit at 19 sites during three seasons.
- Figure 11: Minimum, maximum, and average values of Total Solids (TS) in mg/lit at 19 sites during three seasons.
- Figure 12: Minimum, maximum, and average values of Total Dissolved Solids (TDS) in mg/lit at 19 sites during three seasons.
- Figure 13: Minimum, maximum, and average values of Alkalinity in mg/lit at 19 sites during three seasons.
- Figure 14: Minimum, maximum, and average values of Chlorides in mg/lit at 19 sites during three seasons.
- Figure 15: Minimum, maximum, and average values of Nitrate in mg/lit at 19 sites during three seasons.



- Figure 16: Heavy Metal values (mg/lit) from the five Hand Pumps
- Figure 17: Heavy Metal values (mg/lit) from the six Bore Wells.
- Figure 18: Heavy Metal values (mg/lit) from the three Open Wells.
- Figure 19: Heavy Metal values (mg/lit) from the three KMC taps.
- Figure 20: Heavy Metal values (mg/lit) from the two Grampanchayat sources.
- Figure 21: Average values of nine Heavy metal (mg/lit) for the five drinking water categories.
- Figure 22: Seasonal variations in MPN values from the five Hand pumps.
- Figure 23: Seasonal variations in MPN values from the six Bore wells.
- Figure 24: Seasonal variations in MPN values from the three Open wells.
- Figure 25: Seasonal variations in MPN values from the two Grampanchayat sources.
- Figure 26: Overall minimum, maximum and average values of MPN for the five categories.
- Figure 27: Standard Plate Count (SPC) values from the five Hand pumps in three seasons
- Figure 28: Standard Plate Count (SPC) values from the six Bore wells in three seasons.
- Figure 29: Standard Plate Count (SPC) values from the three Open wells in three Seasons.
- Figure 30: Standard Plate Count (SPC) values from the three KMC taps in three seasons.
- Figure 31: Standard Plate Count (SPC) values from the two Grampanchayat sources in three seasons

ANNEXURE

- Annex-I: Drinking water standards recommended by different agencies.
- Annex-II: Interview schedule designed and administered for residents in the study area

