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## A Study Of Groudwater Quality In Selu City Dist Parbhani ( M.S.)

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### ABSTRACT

Studies of fifteen groundwater samples from different sites in selu was carried out. The water quality parameter like temperature, pH, electrical conductivity, total dissolved solids (TDS), total alkalinity (TA), total hardness (TH), chlorides (Cl<sup>-</sup>), Calcium (Ca<sup>2+</sup>), Magnesium (Mg<sup>2+</sup>), and dissolved oxygen (DO) were studied and out come of the results were discussed.

Key words : Studies, ground water, selu.

### INTRODUCTION

Selu is considered to be the oldest and religious city in parbhani district of Marathwada region in Maharashtra, Selu city is situated near Dudhanariver. A Femous Temple of " Keshavraj Babasaheb Maharaj " is situated in middle of selu city. Who Was Guru of Shirdis Sai Baba.

The residents of selu city usually use water form bore-well for drinking and domestic purposes. There is a huge variation in the concentration of different species due to factors like depth, different land, under groundwater conditions, rain conditions etc. the present work attempts to study the quality of groundwater in selu city of Parbhani district for potability.

### MATERIAL AND METHODS

In the Present study fifteen groundwater (borewell, samples were collected from different sites of selu in brown glass bottles with necessary precautions and preserved as per the recommended procedures<sup>1</sup>.

All the chemicals used were of AR grade, glass ware used were of 'A' grade. Double distilled water was used through out the work to prepare standard solution<sup>2</sup>.

The water quality parimeters considered for the examination in this study are Temperature by precision themameter (1100c., pH<sup>3</sup> by digital PH meter ( Model No. LI 613 Elico digital PH meter., electrical conductivity by using Elico digital conductivity meter (Model No. LICM180/4, total dissolved solids by evaporation method at 105-1100 c<sup>5-6</sup> total alkalinity by standard procedure<sup>7</sup>, total hardness by complexometric titration method<sup>8</sup>, Chloride by argentometry<sup>9</sup>, Calcium and Magnesium by complexometry method, Dissolved oxygen by winkler's iodometric method<sup>10</sup>.