

Name of the Theme: Earth, Ocean, Atmospheric & Environmental Sciences

Study of some Chemical Constituents in Groundwater of Doulothabad and Kodangal Mandals ,Vikarabad District,Telangana State ,India.

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Abstract: A total of 45 groundwater samples were collected from Doulothabad and Kodangal mandals Vikarabad district of Telanagana state, India. To decipher groundwater quality for determining its suitability for drinking purposes. Eleven heavy metals were analyzed for Ba, Se, Hg, Cu, Cr, Fe, Mn, Ni, Pb, As and Zn using standard procedures. The analysis indicated that concentrations of the metals are mostly in within permissible limits. However, the concentrations of Mn, Fe and Cu in some water samples are relatively higher values when compared to the Indian standard for drinking water (IS10500-2012).

Key words: Groundwater, Heavy metals and Permissible limits.