

Hydro Geological Studies of Vadri Village from Yawal Taluka of Jalgaon District, Maharashtra State

S.T.Padmane ¹ Anupama Patil ²,

¹*Groundwater Surveys & Development Agency, Amaravati*

²*Rural Water Supply Department Z.P Jalgaon 425001*

Village Vadri is located in Yawal Taluka of Jalgaon District in Maharashtra. It is located towards North of Yawal taluka head quarter at a distance of 8 Km. It is accessible from taluka head quarter all season by good road. It falls In Survey of India Toposheet No 46 O/12 in 1 - C quadrant between 21⁰ 13' 44" North latitude & 75⁰ 42' 38" East longitude. Area belongs to Tapi Basin and includes in Watershed No TE-11. Area of the village is 808.64 Hectors .The area receives average rainfall of 768 mm IMD rainfall of the area is 768 mm. The maximum temperature goes in summer up to 44⁰C and winter temperature goes in winter up to 6⁰C. The principal water bearing formation in area is alluvium where granular zones are encountered at various depths. Detailed Well inventory survey was carried out. The paper comprises detailed study of Hydrogeological aspects along with various conservative measures for development of Hydro- regime.