This study investigated the relationship between the head teachers' management dimensions and resource management in secondary schools of Iringa District. It particularly sought to determine the effect of the head teachers' management dimensions in the areas of Finance, Leadership and Curriculum management as was conceived in their school vision, proactive orientation and conflict resolutions, decisiveness and decision making, management, planning, control and standards, raising work standard and their district image. The study was based on the open system theory which proposes that a school, just like any open organization is informed from different units that must function in unison to produce the desired graduate. Therefore, the head teachers' management dimensions, exercised in the area of Finance, Leadership and Curriculum management during the study contributed much on the influence of resource management in the secondary schools. The study was conducted through a cross sectional sample survey design, using questionnaires, interviews and focus group discussion. Data was collected between December, 2009 and June of 2010 from 184 respondents from Iringa District. The data was analysed using means, standard deviations, percentage distribution and ANOVA techniques. A sample of 235 Secondary schools teachers were involved, 25 head of schools, 185 teachers and 15 school board members participated in the study by completing a self administered questionnaire. This study was conducted from December, 2009 to June, 2010 through questionnaires, interviews, focus group discussion from students, teachers, head teachers, Board members and parents of private and public secondary schools in Iringa District. The findings of the study revealed that there are significant difference in the level of financial management among head teachers in between private and public schools in Iringa District. As the calculated value of $0 F = 54.7553$ (private) and $0 F = 255.012$ (public) at 5% level with degree of freedom $(13, 56)$. Also it was proved that there is significant difference in the level of leadership among head teachers in between private and public schools $= 43.3773$ at 5% level with degree of freedom $(22, 92)$. Last but not the least the study also revealed that there is significant difference in the level of curriculum management among head teachers in between private and public schools in Iringa District. $0 F = 50.8119$ (private) and $0 F = 217.7546$ (public) at 5% level with $(57, 232)$ degree of freedom. From the findings the researcher recommends that design a plan for financial and non-financial rewards to recognize and motivate employees for high productivity levels are highly needed. There should be regular seminars and workshops for teachers and head teachers on desirable leadership behaviors.