

1096-60-2027 **Rama Shanker**, Asmara, and **Amanuel Habte Ghebretsadik*** (aman.habte1@gmail.com),
Juja. *A bi-parameter New Quasi Lindley Probability Distribution.*

A new two parameters Quasi Lindley distribution is introduced. The moments, failure rate function, mean residual life function and stochastic orderings is discussed. The expressions for failure rate function, mean residual life function, and stochastic orderings of the new QLD shows its flexibility over Lindley distribution and exponential distribution and other related distributions. The maximum likelihood method and the methods of moments have been discussed for estimating its parameters. The distribution has been fitted to some data-sets to test its goodness of fit and it is found that to almost all these data-sets the new QLD provides closer fits than those by the Lindley distribution and other similar distributions (Received September 17, 2013)