

Fig.1 Location of Hoshangabad sub catchment

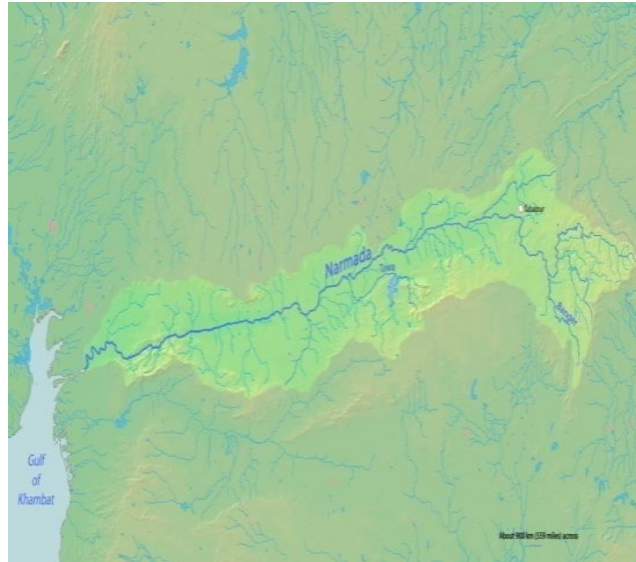
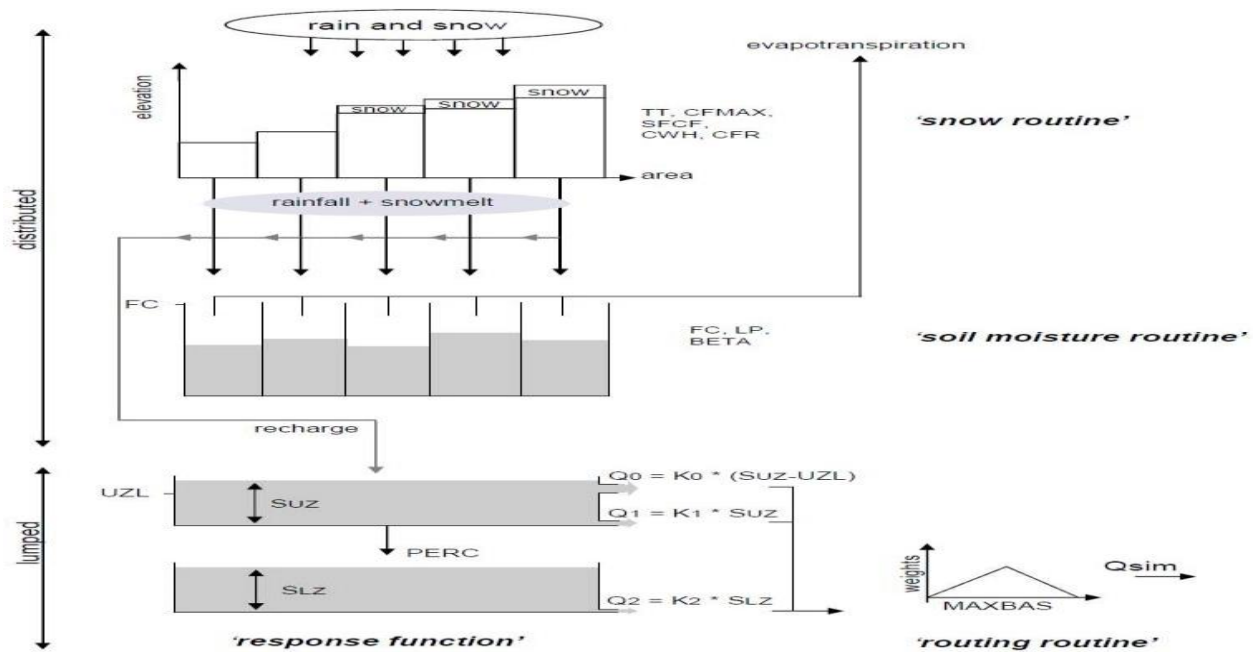


Fig.2 Narmada river basin

Fig.. 1 Schematic Structure of Standard Version of HBV Light version Model



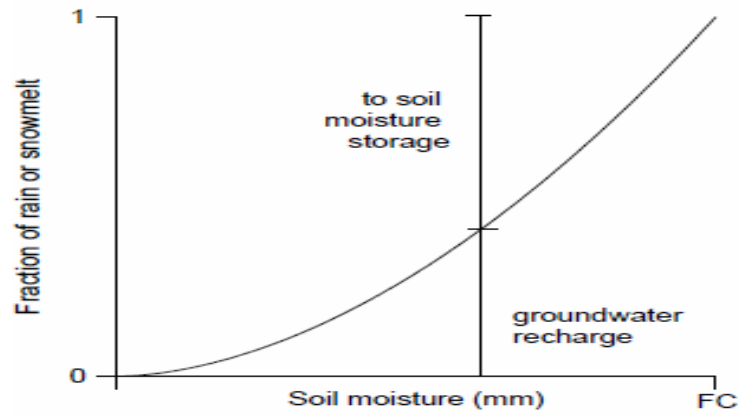


Fig.. 2 Contribution from Rainfall to Soil routine and Upper ground water box

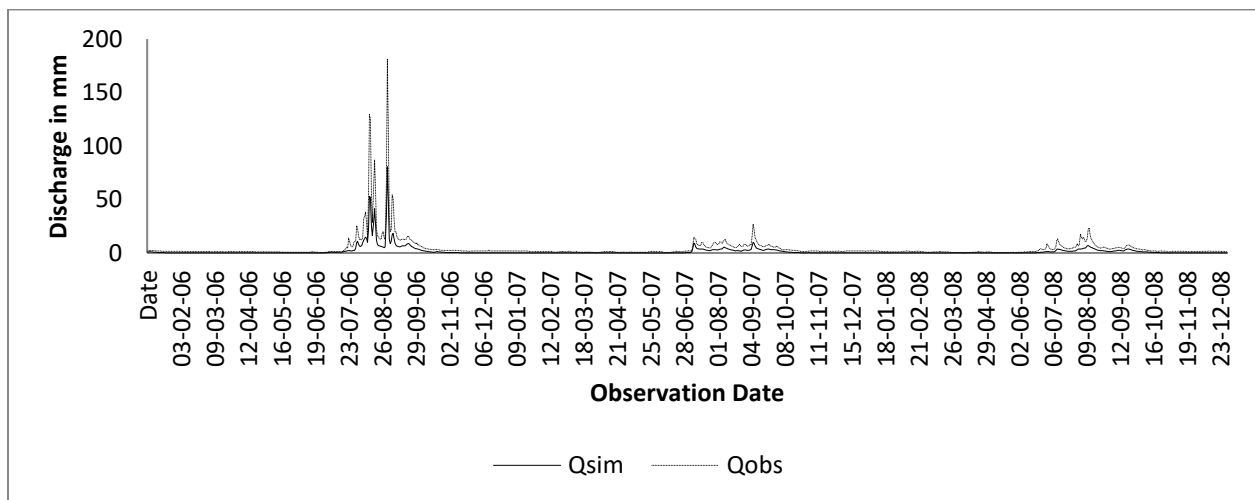


Fig 5. Simulation for Warming up Period 2006-2008

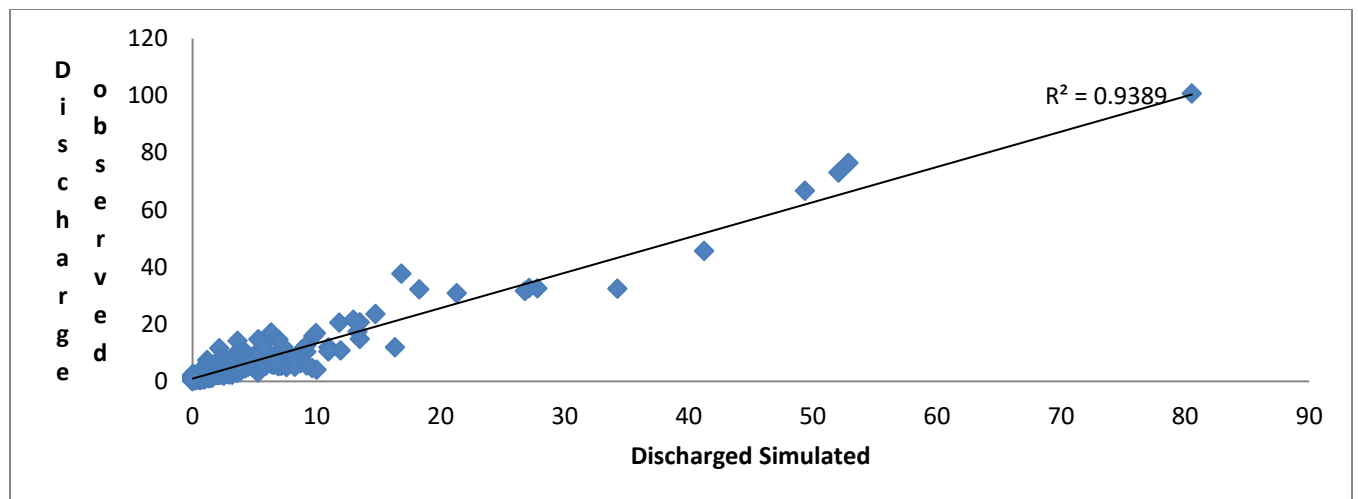


Fig 6 Relationship between observed and simulated discharge by calibrated parameters for 2006-2008

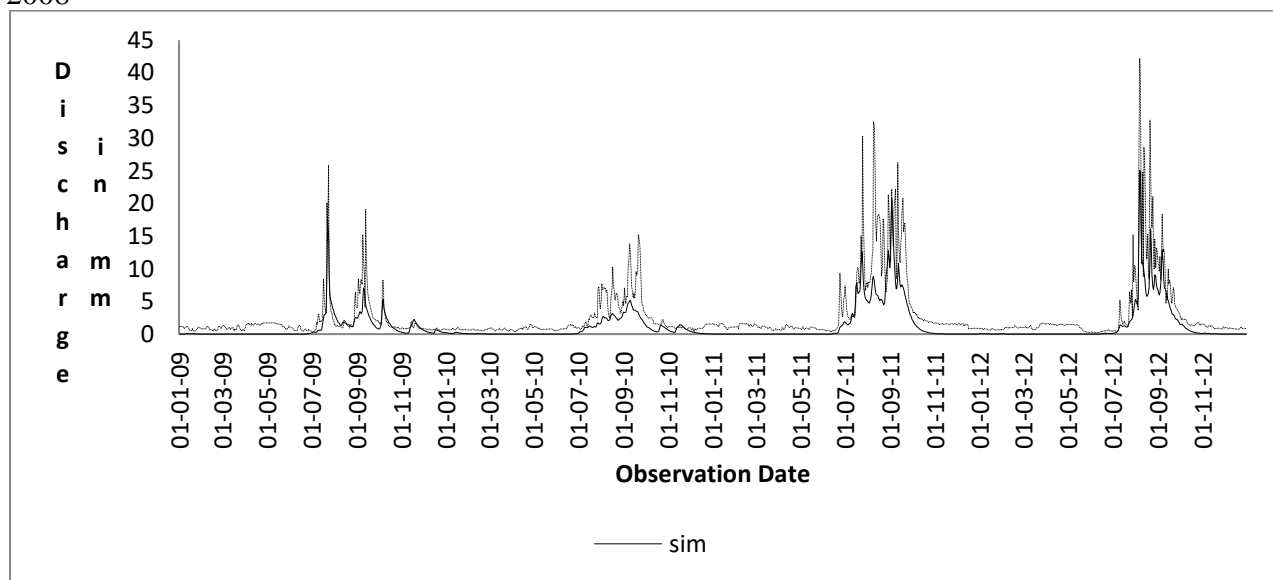


Fig 7 Simulation of Discharge for calibration Period 2009- 2012

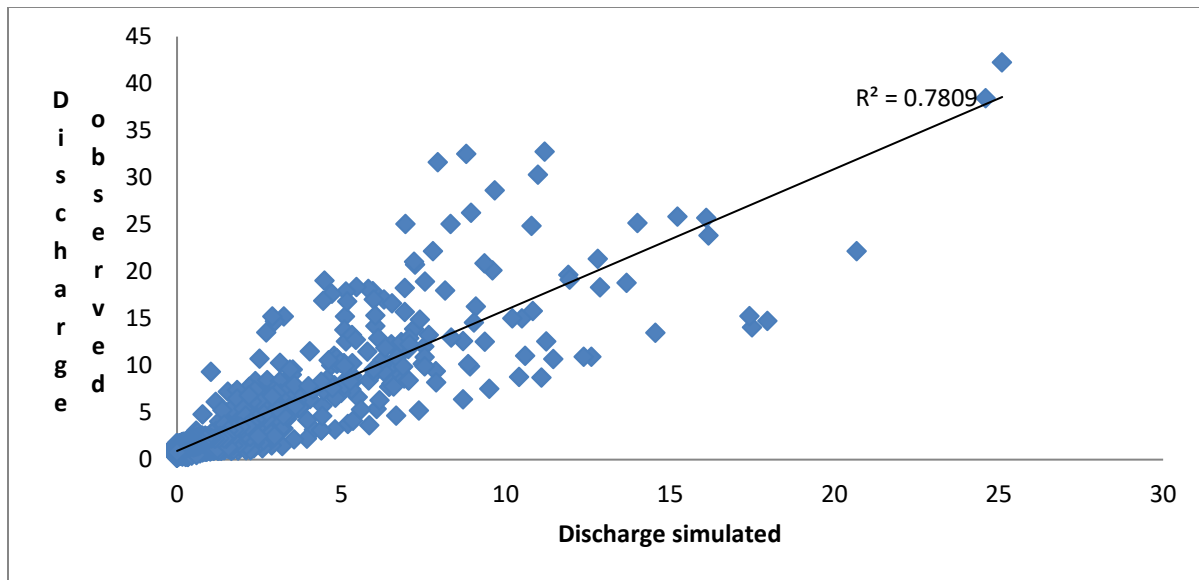


Fig 8 Relationship between Observed and Simulated Discharge for calibration period 2009-2012

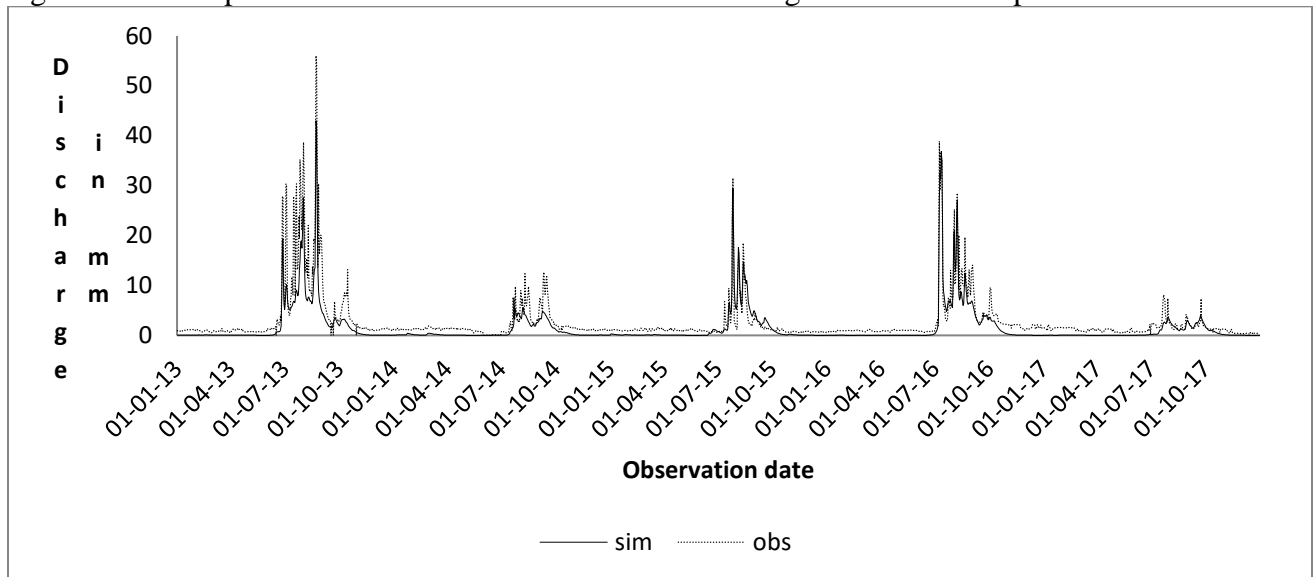


Fig 9 Simulation of Discharge for validation Period 2013- 2017

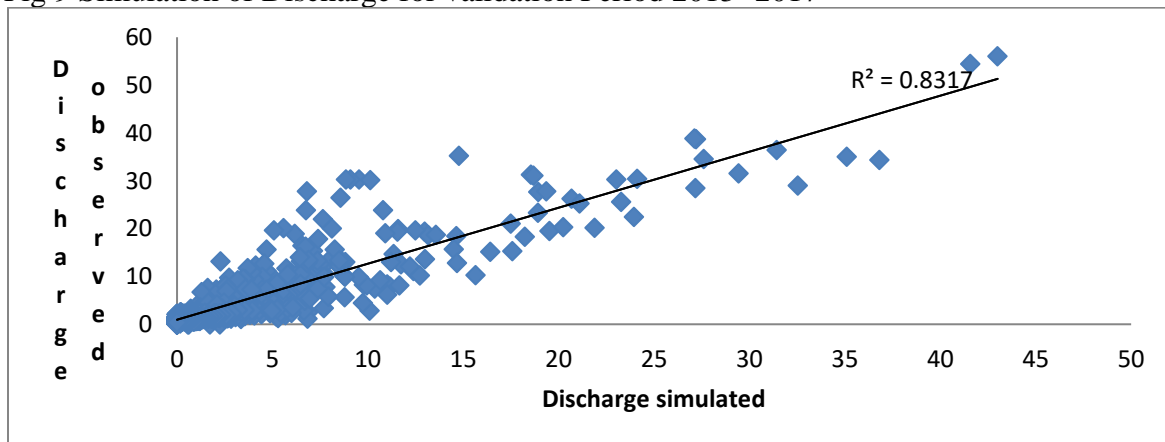


Fig 10 Relationship between Observed and Simulated Discharge for validation period 2013-2017

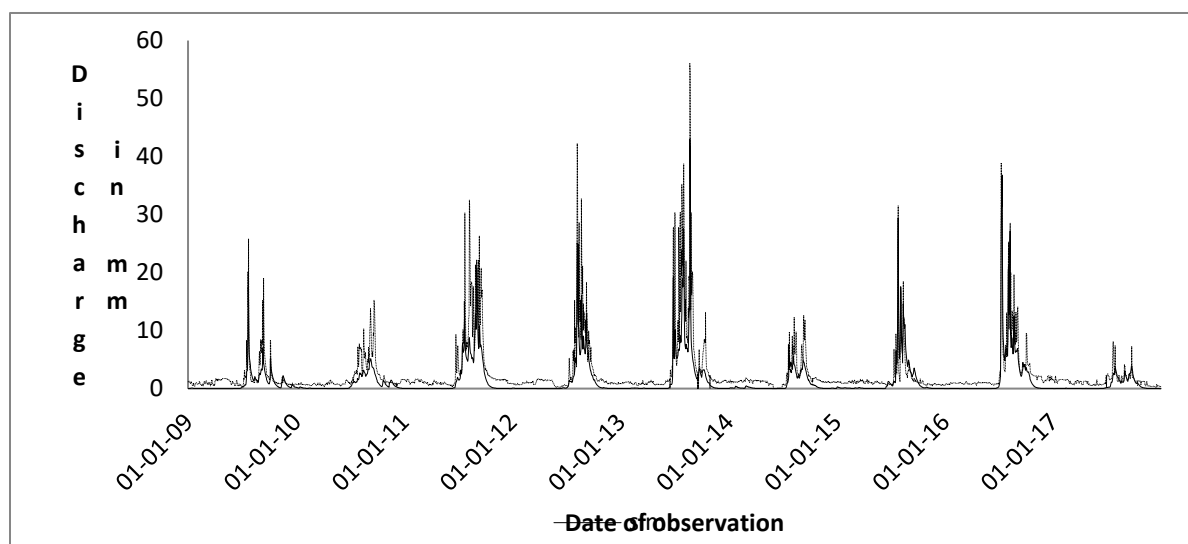


Fig 11 Simulation of Discharge for model 2009-2017

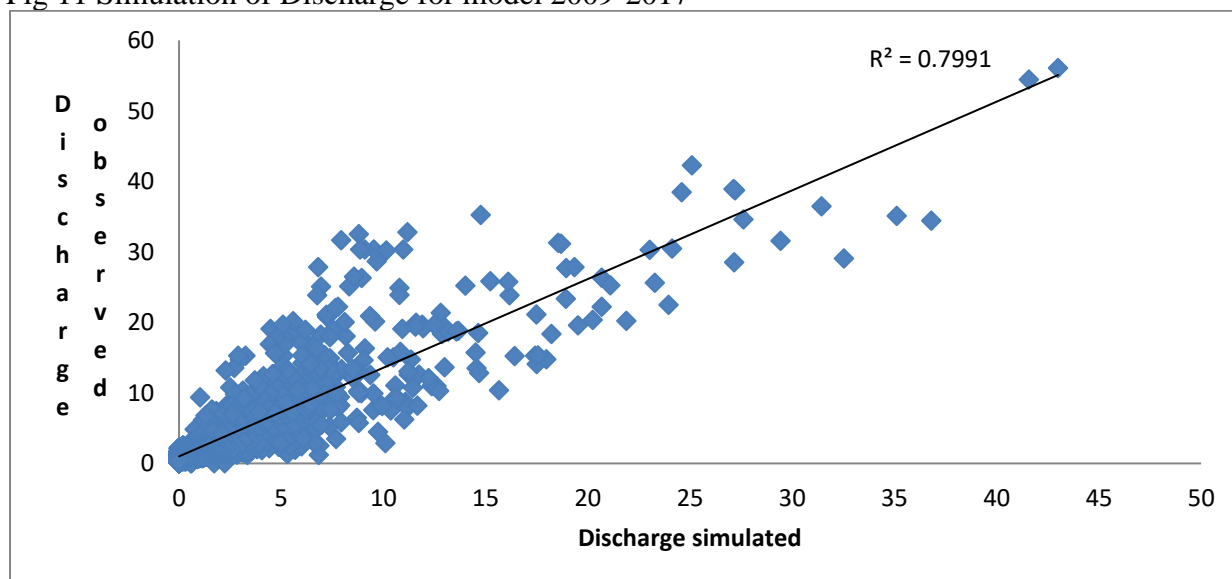


Fig 12 Relationship between Observed and Simulated Discharge for model period of 2009-2017

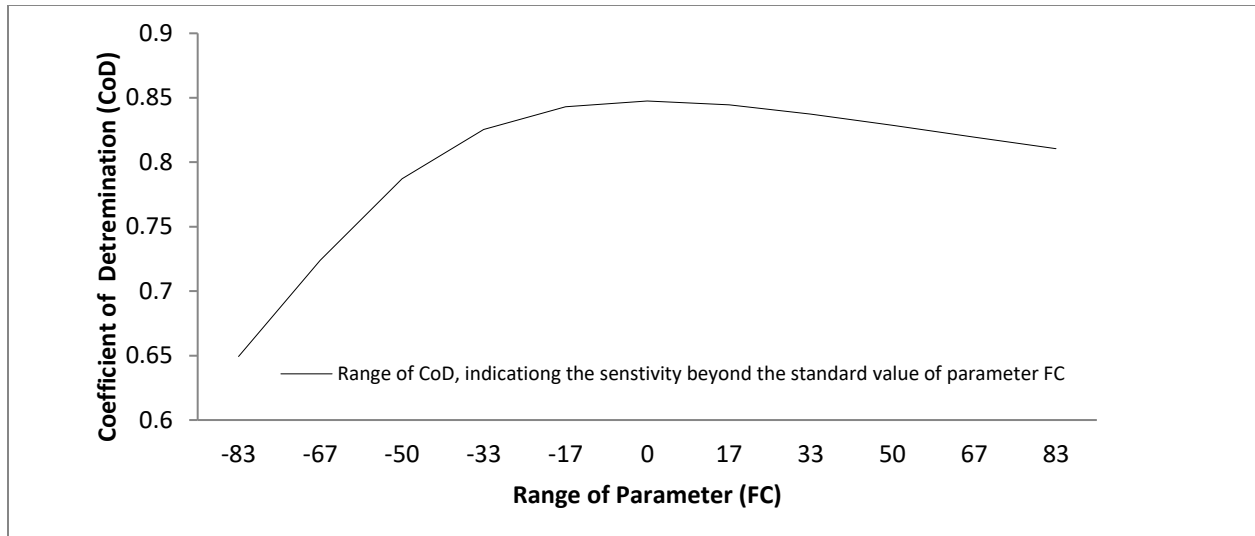


Fig . 13 Sensitivity analysis for FC values

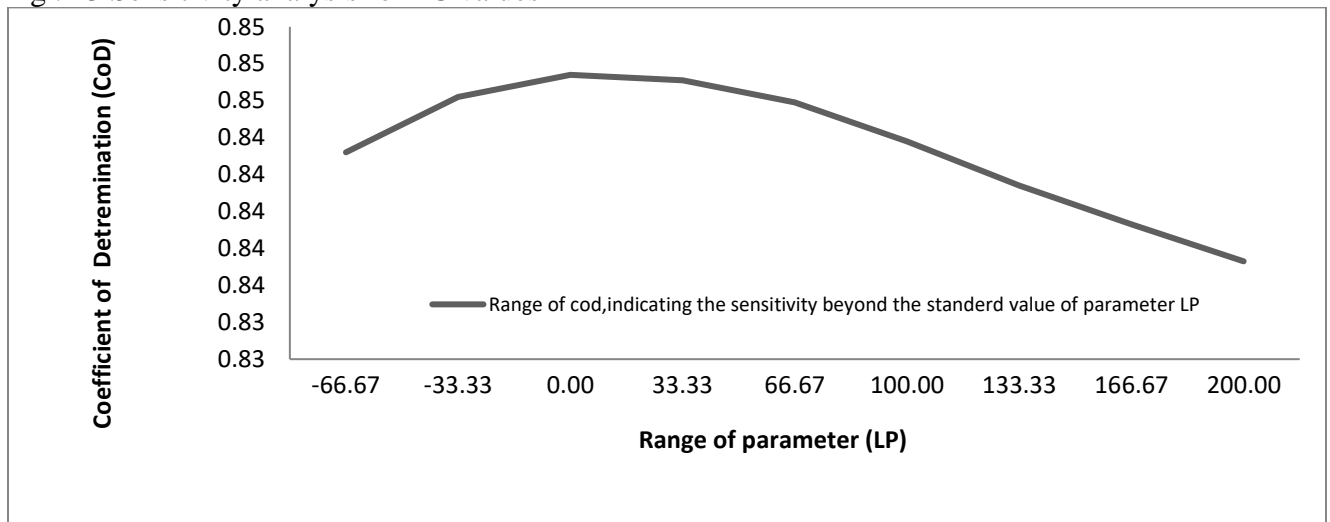


Fig . 14 sensitivity analysis for LP values

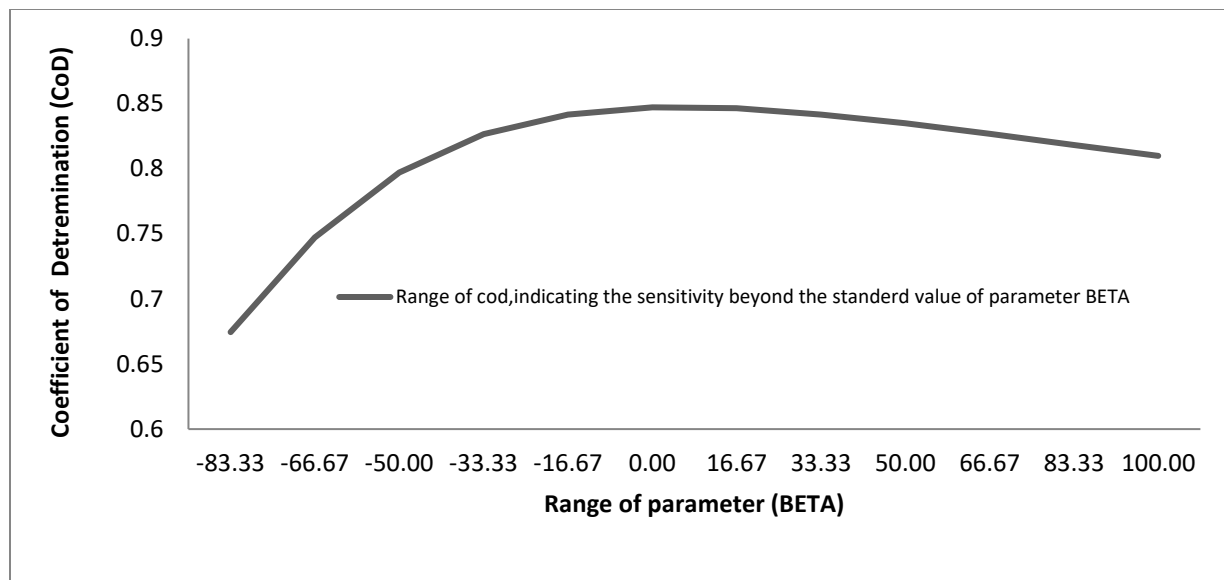


Fig 15 Sensitivity analysis for BETA values

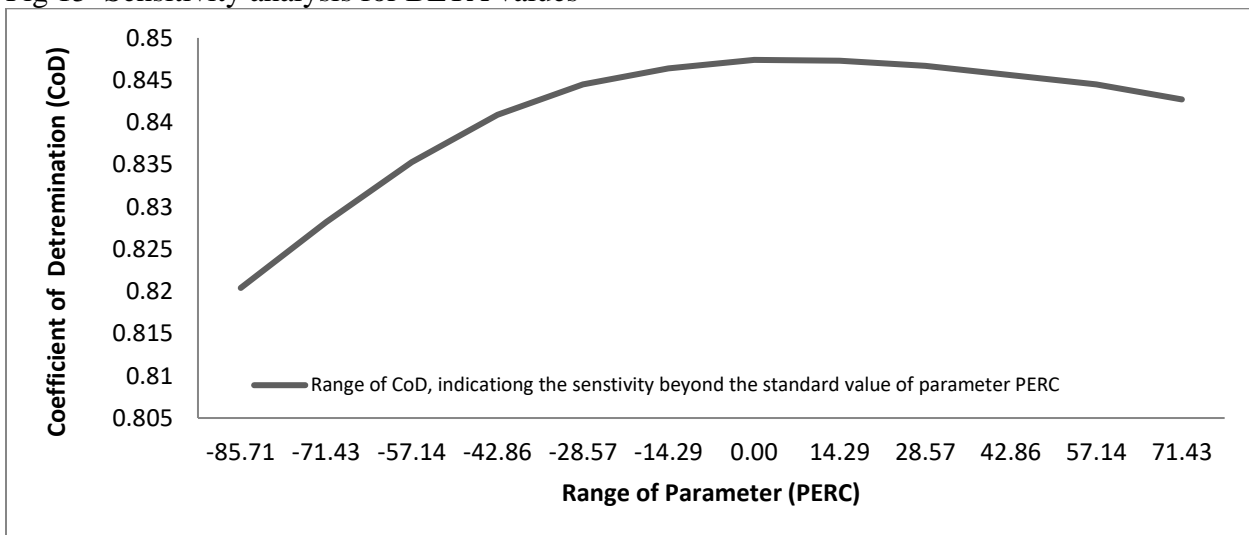


Fig 16 Sensitivity analysis for PERC values

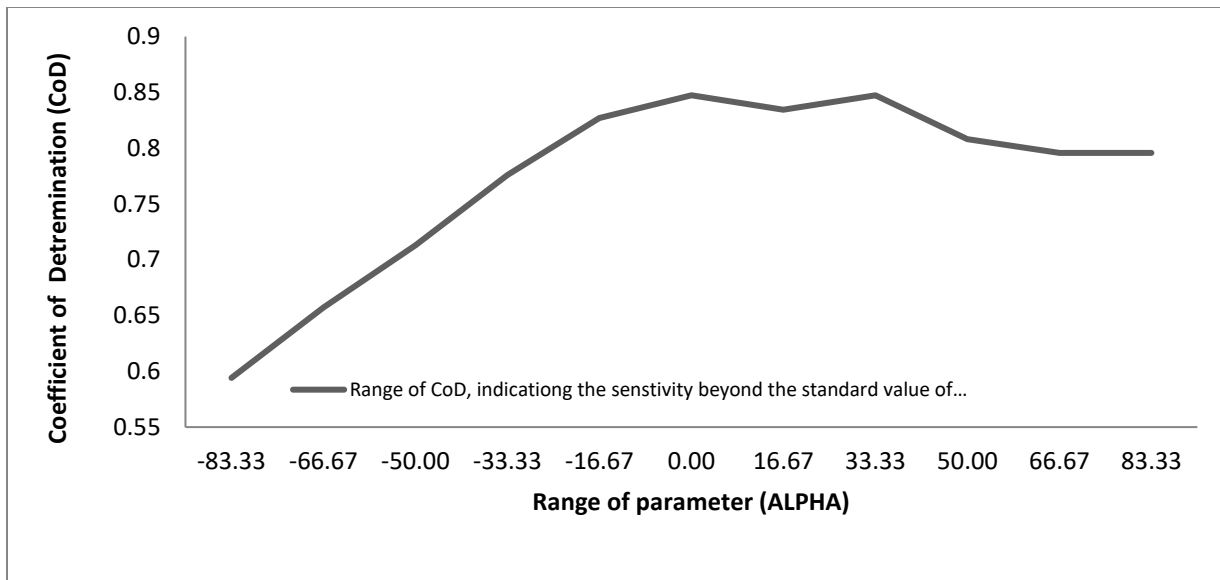


Fig 17 Sensitivity analysis for ALPHA values

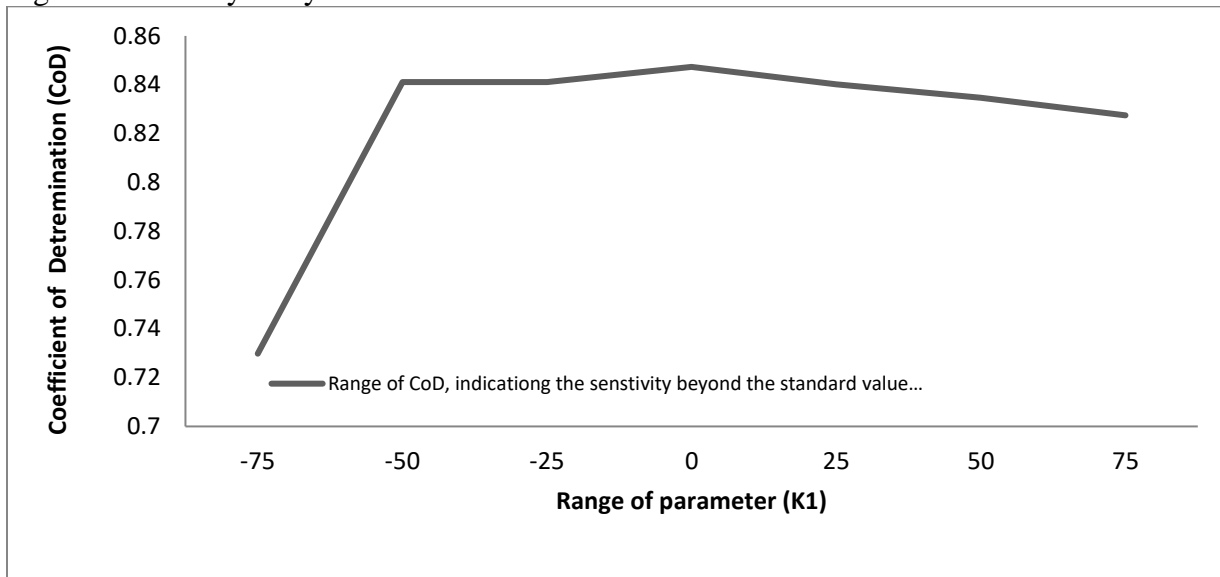


Fig18 sensitivity analysis for K1 values



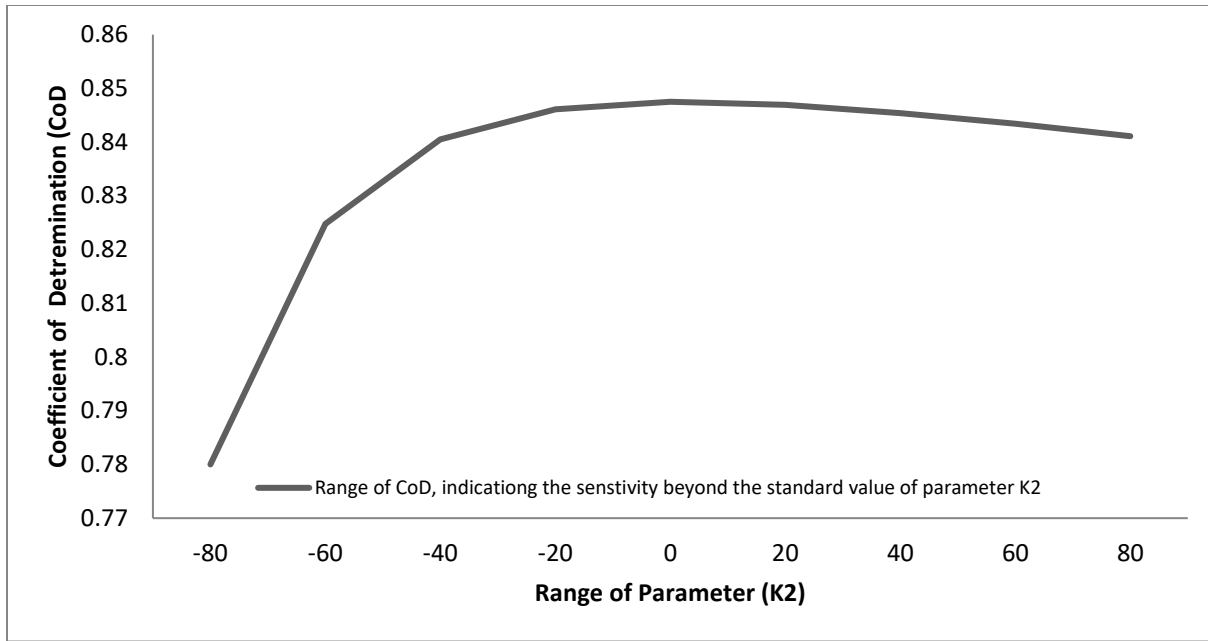


Fig 19 sensitivity analysis for K2 values

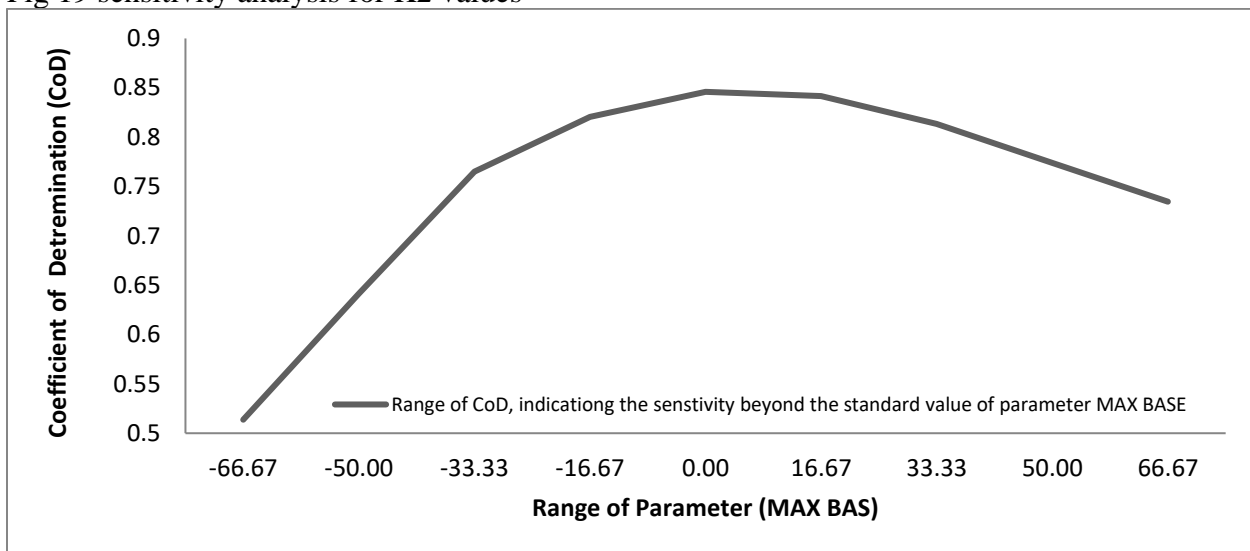


Fig 20 sensitivity analysis for MAXBAS values

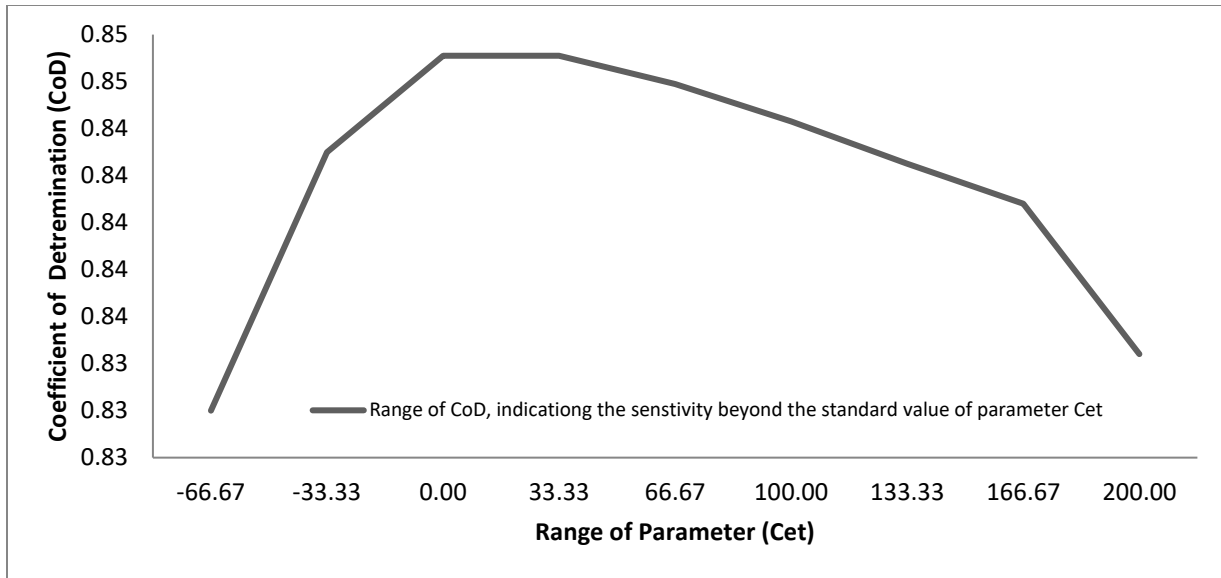


Fig 21 sensitivity analysis for Cet values