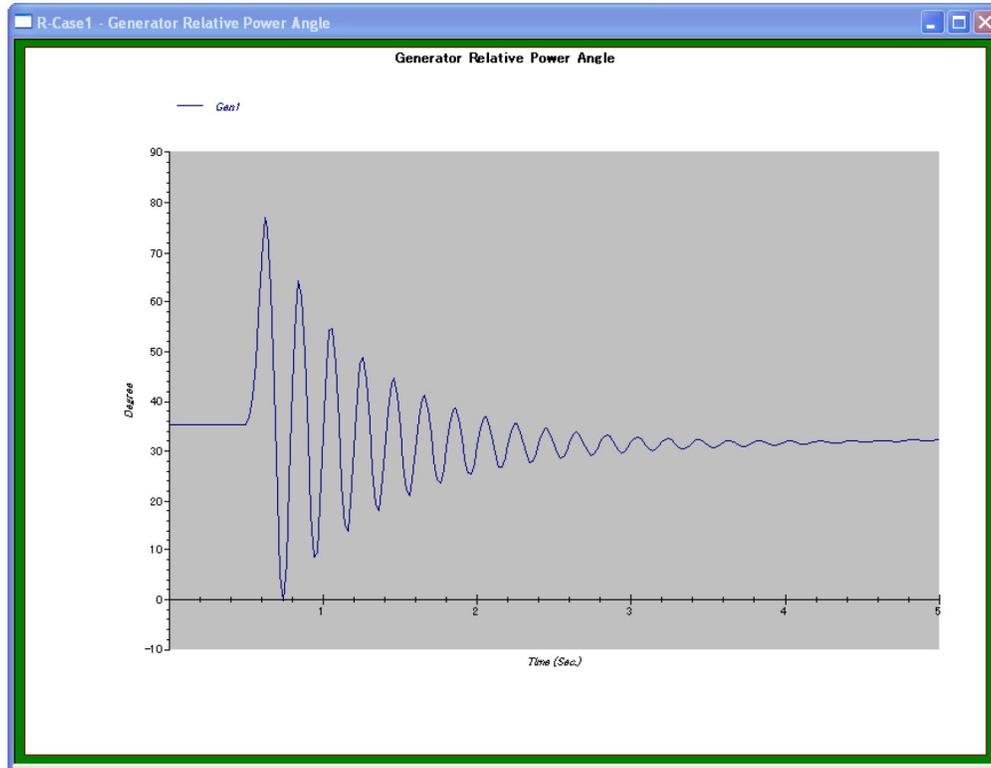


22. The output plot is displayed in Fig. 15. Looking at the profile, when the fault occurred, the generator power angle swing to 80 deg (approx). After the fault was cleared, it oscillated and was damped gradually approaching closely to its initial position . Based on this behavior, Gen1 stays in synchrony with the utility.



**Fig. 15**