Purchasing function in hospitality business is important in order to quality, efficiency and sustainability of these business. There are different purchasing criterias unique to business for the determination of suppliers. In the choice of supplier determination process, analytical and intuitive methods can be used. In this study analytic hierarchy process and goal programming (HP) methods combined. First step of this study analytic hierarchy process is utilised and for the different criterias such as price, quality of the products, delivery performance, trustibility, easy payment, references. It is determined the priority values for six different suppliers. Determined priorities are used as a constraint for the analytic hierarchy process model. In addition decider’s special constraints are added to the model optimum stage of the model, it is reached that what amount of product from which suppliers could be purchased.