SCOPED FOR FURTHER WORK
The results of this study indicated the use of novel aminolytic reagents and improvement in process of chemical recycling of poly (ethylene terephthalate) (PET) waste. The recycled products can be source for various useful materials.

The process of aminolytic depolymerization of PET waste can be carried out using heterogeneous, recyclable and environment friendly catalyst such as zeolites, clays or ionic liquids. So that recycling process can become more efficient.

The recycled products obtained from PET waste possess reactive groups such as hydroxyl, which can be exploited through different chemical reactions to obtain value added products for use in different fields. BHPTA and BHIPTA can be reacted with different isocyanates to produce polyurethanes.

PET waste disposal should be handled carefully by adopting appropriate technologies.