Consider a self mapping $T$ defined on the union of three subsets $A; B$ and $C$ of a metric space; $T$ is to be called a tricyclic mapping if it satisfies $T:A \rightarrow B; T:B \rightarrow C$ and $T:C \rightarrow A$; in this work; we give a contraction type existence theorem for a best proximity point; as well as a new boundedness result. We first define the best proximity point of a tricyclic mapping and give a simple algorithm to find it. Next, we extend our result to convex metric spaces and CAT($k$) spaces, the notion of tricyclic contractions is firstly introduced in our work. (Received July 01, 2017)