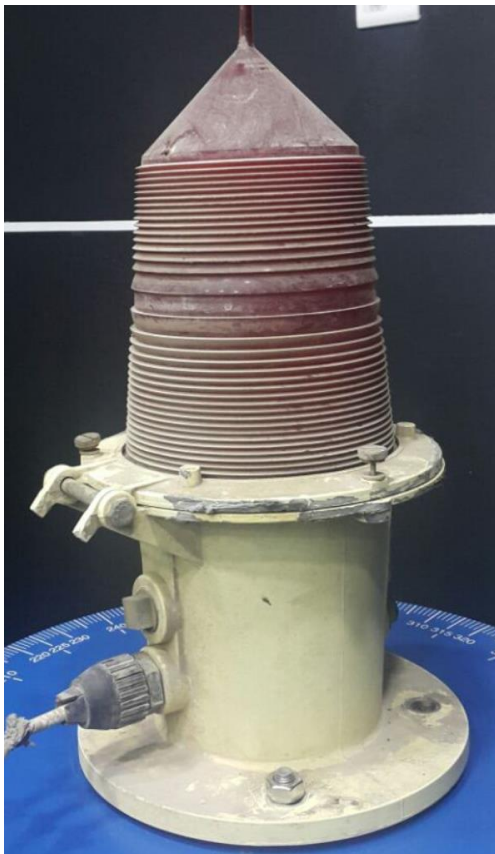


## **Effects of Climate (Dust) on lenses and the degradation of intensity and range**

It was noted that dust accumulates on lanterns in some regions. This is a particular problem with exposed Fresnel lens lanterns where the dust turns to mud when exposed to moisture and seriously degrades the optic range performance. It was noted that tests should be carried out to evaluate the actual impact of dust on lantern performance.

A tests conducted on exposed Fresnel lens type lantern to evaluate the effect of dust and mud on the lens and the result shown as follows:

**Before**



**After**



## Practical test results before & after

