



## PROJECT SUMMARY

<b>Ref No.:</b> MRIC/SISM-02/ROD-15	<b>Title:</b> Innovative Mobile Corn Shelling Machine for Small Planters
<b>Individual:</b> Poinen Marsel Herbert	
<b>Project Leader</b>	
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<b>TECHNICAL ABSTRACT</b>	
<p>Phase One: Innovative Mobile/Foldable Shelling Machine for Small Corn Processors.</p> <p>Phase Two: Ginning Sieving</p> <p>Rodrigues, small-scale maize planters often face significant challenges when it comes to shelling maize efficiently. Still, it's a tradition to remove by hands the grains from the central stalk of the ear to have kernels. It's time-consuming, labor-intensive, and yield inconsistent results as we see to-day that this process is declining among the young generation. I quote "geyn ledo fermal ek ledwa geyn kor". For this present call and in a first phase to address this issue and to solve this problem, I propose to set up a mobile/foldable corn hulling electric machine designed specifically for small planters. It consists of a stainless-steel chamber covered with a pvc tube, inox chain beaters attached to an inox shaft and driven by an electric motor. All kernels will pass through an inox sieve and will be collected through a basket. The new prototype will be mounted on a foldable framing table where it can be operated at home, under veranda and can be carried anywhere in the yard, under a tree. This innovative approach of using inox surface, which is a non-reactive nature with food and additionally it's easy to clean and has a sleek appearance.</p>	
<b>Key Words:</b> Shelling, corn	