

Shobith's Precious Plastic BOM

Basic Overview:

~X,XXX.xx INR total cost

Business Model:

Shredder: Cost Estimate ~X.xxINR

Blades: done at university (how much sheet metal used?)

Box: "

Axle:

Bearings:

PP's Design:

<https://community.preciousplastic.com/academy/build/shredder>

Injection: ~X.xxINR

PP's Design:

<https://community.preciousplastic.com/academy/build/injection>

Compression: ~X.xxINR

PP's Design:

<https://community.preciousplastic.com/academy/build/compression>

Extrusion: ~X.xxINR

PP's Design:

<https://community.preciousplastic.com/academy/build/extrusion>

FDM 3D Printer Filament Extruder + Winder (?): ~X.xxINR

Still need to get machine specs, and see what diameter filament the university uses, but near limitless free* ABS or PC filament is useful !

Potential Design: (Need specifications on how well it works + need to see if a conversion from 3.00mm to 0.75 mm is needed

https://wiki.opensourceecology.org/wiki/Lyman_Filament_Extruder

Links:

Main Github:

Catalonia Github:

OSE's Shredder Fork:

<https://wiki.opensourceecology.org/wiki/Shredder>