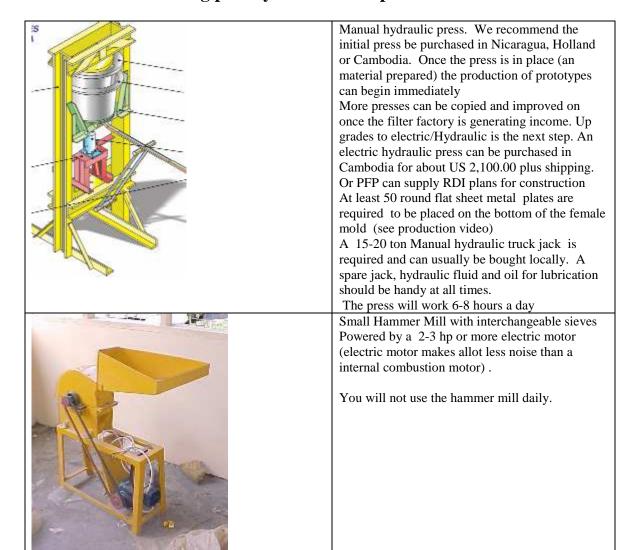
Recommended Machinery, equipment and supplies and materials for small scale ceramic Filter Production (800-1000 filters a month) to be installed in an existing pottery with trained potters





A Motor mixer like the one in the Picture should be acquired with an electric motor. The RPM's that the mortar mixer normally runs at for cement mixes is too fast for our purposes (because mortar is more liquid) and must be changed to work at 40-50 RPMs for the filter mix which is much more dense and "sticky".

The mixer will work from 6-8 hours a day.

If these cannot be found in the local market we can provide plans for its construction (from the RDI filter Project)



Potters

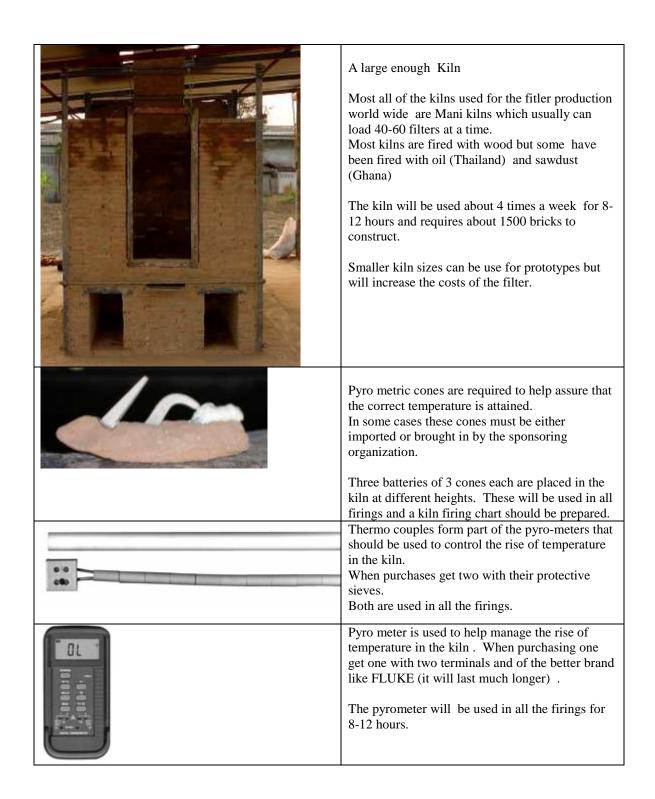
A filter production facility at an existing pottery production could start up with a minimum of two potters and contract more as sales increase.

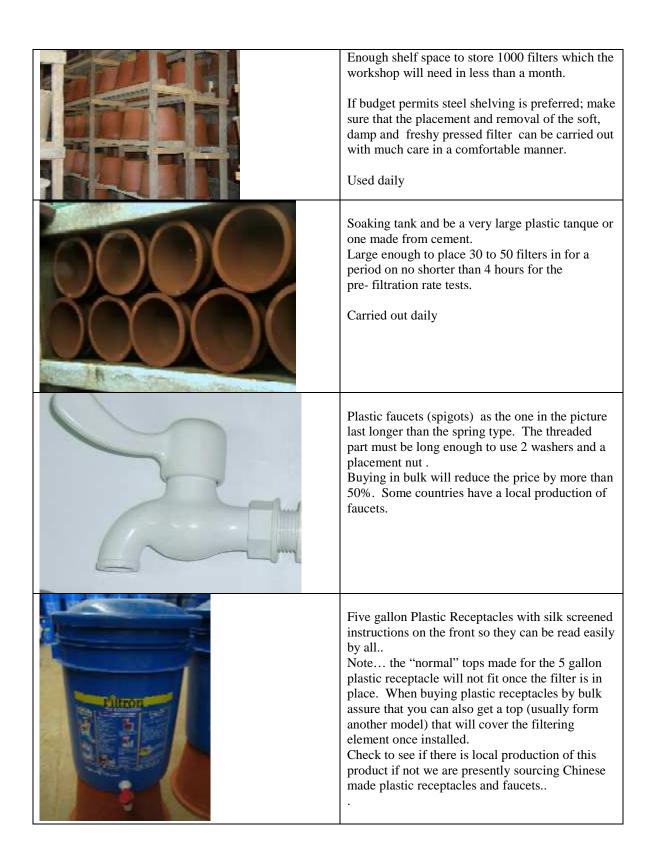
Face masks and gloves should be used when producing filters.

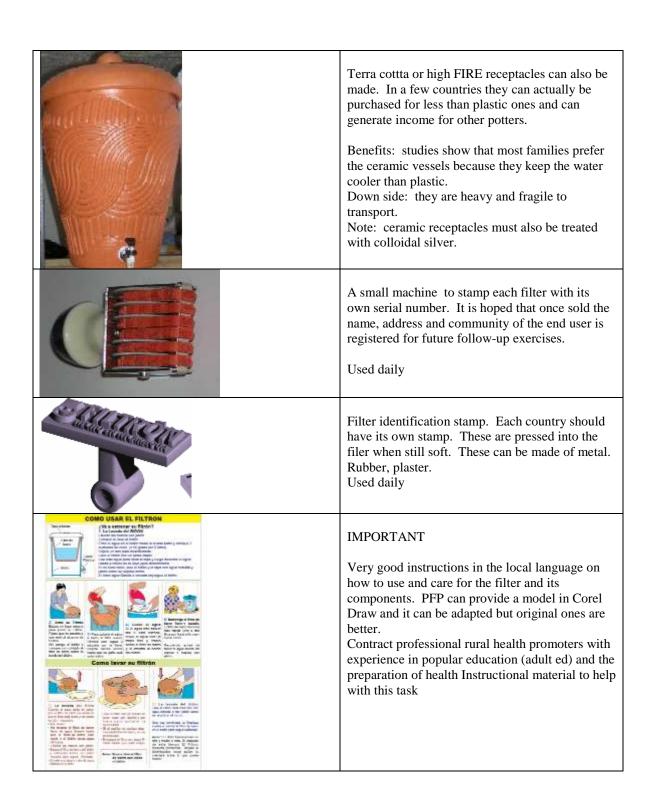


OPTIONAL:

A Pug mill to better standardize the damp mix . To date only the factory in Ghana uses one. To work 6-8 hours a day









Colloidal Silver can be purchased in poweded form and sent DHL or Fedes from:

 $IVANIA: \ : \ i\text{-}ascaso@laboratorios\text{-}argenol.com$

LABORATORIOS ARGENOL S.L.

Autovía de Logroño km74, Polígono Europa $2\,$

naves 1-11, 50.011 ,Zaragoza (Spain)

Tel: + 34 976 336266 Fax: + 34 976 533659

http://www.laboratorios-argenol.com/

Or in in a liquid form from either:

Laboratorios Silverdyn S.A. de C.V.Maimonides No. 530,,Chapultepec Morales 11570 Miguel Hidalgo Ciudad de Mexico Distrito Federal 55 52508014 "Jose Carlos Barrenechea" icbarren@hotmail.com

Or in the US:

BOUNTICO Tel. (888) 396 1893 Mr. Phil Kidish medwing@medwing.com 877 633 9464



IMPORTANT

Promotion and Marketing

RDI/Cambodia also markets from behind a small van (optional) that visits local markets and shows entertaining videos on how the filter functions, how to use and how to care for the filter along with other hygiene messages like washing hands. The videos are oriented to children and adults alike.



DRY BURN OUT MATERIALS

This picture if of sawdust dying in the sun then it is sieved through a kitchen strainer. Depending on the country other materials are also used: milled rice husks, millet husks, dried and milled peanut shells and paper is being experimented with.

A proven and tested source of clay. In most of the larger filter facilities re-cycled industrial unfired brick (background) is crushed and sieved. Screens to sieve clay and burn out material. The one in the Picture is hung from the roof and can be managed by one person.
HACH Presence/Absence tests Catalog number 2610696 for preliminary water testing at the community's water source then once filtered. Laboratory tests should then also be taken periodically. Purchase on line: /www.hach.com
RDI/Cambodia to measure the filtration rate of filters.
Packing material for the finished filtering element.

	Plastic bags used for pressing the filter and for final packing
Training Manual for Trainers and Promoters in the Use, Maintenance, and Monitoring of Potters for Peace Colloidal Silver Impregnated Ceramic Water Filter	Important Includes monitoring and follow-up instructions and how to gather statistical data in the field.
ENFERMEDADES PRODUCIDAS POR CONSUMO DE AGUA CONTAMINADA GALMONELLA TVPHOSA De: la Tricidae Control, incomple, orio, concepta, orio, conce, streample, orio, streample,	Community instructional flip charts, videos, Power Point Presentations for potential customers and targeted groups. CD's with studies and other information for potential interns and researchers.