

# Entrepreneur India

106-E, Kamla Nagar, New Delhi-110007, India.

Tel: 91-11-23843955, 23845654, 23845886, +918800733955,

Mobile: +91-9811043595.

Email: npcs.ei@gmail.com ,info@entrepreneurindia.co

Website: [www.entrepreneurIndia.co](http://www.entrepreneurIndia.co)

## CRUCIBLES FROM FIRE CLAY

<b>Capacity:</b>	30000 Pcs./ Annum
<b>Plant and machinery cost:</b>	24.00 Lakh
<b>Working Capital:</b>	0.00 Lakh
<b>Rate of return(ROR):</b>	32.00 %
<b>Break Even Point (BEP):</b>	58.00 %
<b>TCI:</b>	132.00 Lakh
<b>Cost of Project:</b>	132.00 Lakh

A crucible is a container that can withstand very high temperatures and is used for metal, glass, and pigment production as well as a number of modern laboratory processes. While crucibles historically were usually made from clay, they can be made from any material that withstands temperatures high enough to melt or otherwise alter its contents. Fire Clay Crucibles are for general fire assay fusions and other melting applications and are good from 2200Â°F up to 2400Â°F. Uses & Applications A crucible is a cup-shaped piece of laboratory equipment used to contain chemical compounds when heated to extremely high temperatures. Crucibles are available in several sizes and typically come with a correspondingly-sized crucible cover (or lid). They are used in putting the unknown substances hell. Fire clay is a term applied to a range of refractory clays used in the manufacture of ceramics, especially fire brick. Fire clay can also be used to create fire resistant chimney and flue liners, and fire resistant pads for safety, as seen when a hearth in front of a fireplace is made with fire clay to reduce the risk of fire. In many settings where there are concerns about fire, fire clay can be used. Fire clay is a type of clay which is used in the production of heat resistant clay items, such as the crucibles used in metals manufacturing. This type of clay is commonly mined from areas around coal mines, although other natural deposits are also available as potential sources, with many nations having deposits of clays suitable for use in high temperature applications. Fire clay can also be refined and treated to make it suitable for specialty applications. Market Survey Crucibles are the consumables used as pots for melting metals and largely used in the non-ferrous industries, whether you talk of aluminum, zinc, gold, silver, these are the pots which are used for melting the metal and then making that may be the alloys or may be the virgin metal. This is a consumable. So this has a continuous demand in all the plants.

NIIR Project Consultancy Services (NPCS) is a reliable name in the industrial world for offering integrated technical consultancy services. Its various services are: Pre-feasibility study, New Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Preparation of Project Profiles and Pre-Investment and Pre-Feasibility Studies, Market Surveys and Studies, Preparation of Techno-Economic Feasibility Reports, Identification and Selection of Plant and Machinery, Manufacturing Process and or Equipment required, General Guidance, Technical and Commercial Counseling for setting up new industrial projects and industry. NPCS also publishes various technology books, directory, databases, detailed project reports, market survey reports on various industries and profit making business. Besides being used by manufacturers, industrialists and entrepreneurs, our publications are also used by Indian and overseas professionals including project engineers, information services bureau, consultants and consultancy firms as one of the input in their research.

### **NIIR PROJECT CONSULTANCY SERVICES**

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