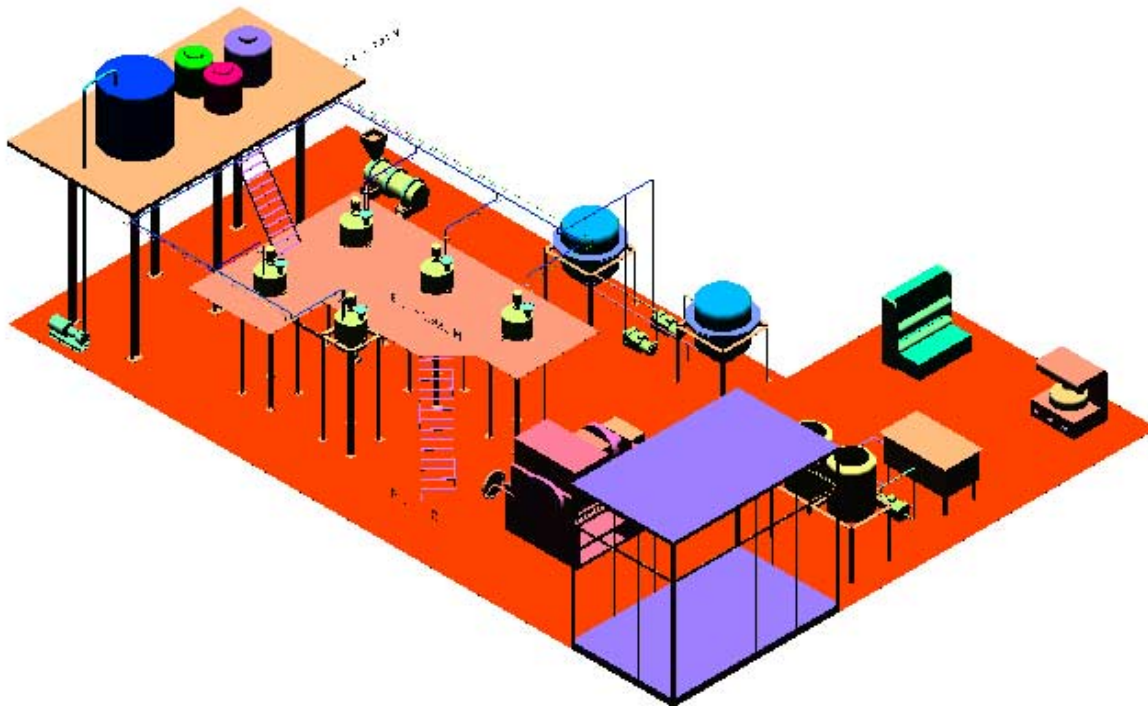


DESIGN AND DEVELOPMENT OF A PLANT FOR MAKING PARCHMENT –LIKE LEATHER MATERIAL FROM CHROME SHAVINGS

Brief write up

Chrome shavings, the shaved out material from underside of leather, are treated as tannery wastage and heap of these rejected leather materials create environmental pollution on decomposition. A technology is being developed jointly by C.M.E.R.I, Durgapur and C.L.R.I., Chennai to produce Parchment Leather from this tannery waste. An automated chemical plant will be developed which involves a series of chemical and mechanical process such as alkali and acid dosing on tannery waste material, agitating it, filtrating out the waste liquid by a vacuum system, homogenizing the generated pulp and finally producing parchment leather. These products are having very good texture, shining surface and may be gainfully used for fashionable articles, such as wall hangings, table sheets, etc.

A 3D model of the above plant is given below:



3-D VIEW OF A PLANT FOR MAKING PARCHMENT-LIKE LEATHER MATERIAL