

How to Earn Money from Waste Rice Husk. Converting Waste Agricultural Biomass into a Resource. Particle Board from Rice Husk Project

Description:

Rice husk is the by-product in rice milling operation with an approximately 20 percent of the total weight of the paddy grain being processed. The components of this rice husk are therefore determined by the milling method employed. Despite the abundant nature of this waste products its unique physical chemical properties, it is however not being harnessed in Nigeria. Only a little portion of the rice husk produced is utilized in a meaningful way, the remaining part is burnt into ashes or dumped as a solid waste with little being used in animal feed formulation. Its proper used will therefore eliminate waste disposal problem experiences by rice milling industries provide an alternative use that will consequently improve the economic based of Nigeria among the committee of developing nations of the world. This research work will be limited to production of particleboard in small sizes using locally available rice husk adhesives within State, Nigeria. Rice husk utilization in this way is a waste to wealth project, since rice husk is not being in serious commercial/industrial usage.

Producing particleboard panels requires combining wood particles, such as wood chips, saw dust and rice husks with suitable binders while applying pressure in the presence or absence of heat. RH is quite fibrous by nature and requires little energy input to prepare the husk for board manufacture. RH density is less than 500kg/m³. Low density boards possess better thermal and acoustic insulation properties compared to medium-density boards. These boards are resistant to attack by termites, wood-boring insects and wood decaying organisms

There is huge demand of particle board in India and all over world. Particle board market growing very fast. Due to growing deforestation there is bright future of particle board. Any entrepreneur can well venture in this project.

For more details download PDF file.

Keywords: How to Manufacture Rice Husk Based Products, Particle Board from Rice Husk Project, Making Particle Boards from Rice Hulls, Rice-Husk Particle Boards, Particle Board Manufacturing Process, Particle Board, Forming products from rice husk, Particleboard Production, Making Particle Board, Particle Board Manufacturing Process, Particle Board Production Line, Particle Board Production Line, Rice Husk Particle Board, Rice Husk Ash Making, Full Automatic Particle Board Production Line, Particleboard Pr

Created At: 28 Sep, 2017