Rice Parboiling and Milling Plant 50 ton/day

FOR HILLCREST AGRO ALLIED IND., KWARA STATE, NIGERIA

Two x 1500 tonnes bulk storage silos with tempering bins.

Cleaning and destoning section.

Mechanical reception hopper allows fast sack tipping.
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Unloading parboiled rice from one of the soaking/steaming tanks

Distribution of paddy, water and steam to the four tanks.

Four soaking/steaming tanks with continuous flow drier and holding bin to rice mill (on right) and tempering bins (on left).

Inside the Double Flow - the parboiled paddy is dried carefully and efficiently with low, uncompacted, bed.

Low volume air cools paddy slowly in resting bins.
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Multistage rice mill from left to right; husking, paddy separation, whitening, polishing, sifting, optical sorting and sacking.

Optical sorter for removing discoloured grains.

Air conditioned room on platform for optical sorter with overhead bins and sacking station.
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The husk fired steam boiler with husk store, ash settling chamber in brickwork and fan & cyclone with chimney.

Plant can operate 2 or 3 shifts.

The steam heat exchanger heats hot air to drier.