

FACILITIES THAT SHOULD BE AVAILABLE

Weighing Facilities

Standard scales must be provided for various operations.

4. QUALITY CONTROL

Minimum grading equipment must be provided to determine the quality of raw materials and finished products in accordance with the stipulations laid down by the relevant authority.

Drying

Either mechanical or floor drying may be used.

Paddy Storage

Storage facilities should be constructed in such a manner as to:-

- (a) Restrict entry of rodents, birds or pests and
- (b) Be weatherproof.

Product Storage

The main product (rice) should be stored separately from by-products

Equipment & Material Storage

An area should be provided for the storage of bags, tools and other equipment and machinery.

Staff Facilities

Wash rooms (toilet and bathrooms), rest rooms and a canteen must be provided for staff in accordance with relevant labour laws.

Parboiling Facilities

Water Supply

Potable water must be available.

Drainage

Drains to dispose of water and waste are necessary.

Steam Generating Unit

Should be sited away from storage and immediate work areas. Should have proper safety device in accordance with relevant safety laws.

Fuel Storage

Must conform to relevant fire laws.

Fuel Waste Disposal

Must conform to relevant conditions.

Soaking Tanks

Should be close to drying areas. They should be of a type approved by the Board and must be quipped with relevant fitting for filling and draining.

Steaming Tanks

Should be close to soaking tanks. They should be made of non-corrosive materials.

Steam Conduit Pipes

Must be insulated and be free from leaks.



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GUYANA RICE DEVELOPMENT BOARD

QUALITY CONTROL DEPARTMENT



ESTABLISHING A RICE MILL

PROCEDURES TO BE FOLLOWED ARE OUTLINED IN THIS DOCUMENT

Any person desirous of establishing a Rice Mill should comply with the following:-

1. A written application must be made to the General Manager for a permit to establish a mill (in triplicate). This should be accompanied by:
 - A) The building plans.
 - B) The certificate of title, lease or any other document evidencing title or a right of occupancy of the land.
 - C) An environmental permit from the Environmental Protection Agency.
2. When the permit to establish the rice mill is obtained *but before construction commences* approval must be obtained from:
 - A) The Central Housing and Planning Authority.
 - B) The Central Board of Health.
 - C) The factories division of the Occupational Health and Safety Department.
 - D) The department of fire service.

In the FIFTH SCHEDULE of the Rice FACTORIES ACT the following are some requirements that must be considered when designing the rice factory

1. ENVIRONMENTAL REQUIREMENTS:-

Location

If possible, away from residential areas.

Access

Factory must have good access roads to accommodate both heavy and light vehicles.

Drainage

Area should have good drainage.

Water Supply

Potable water is readily available. If there is no potable water supply, a water reservoir should be constructed, or a well sunk and a water purification plant installed.

Power Supply

Must have access to power source for lighting and milling operations.

Waste Disposal

Disposal plan must conform to all relevant laws on environmental protection and pollution control.

Expansion

If there are plans for expansion of the factory, adequate area must be available and included on the site plan.

REQUIREMENTS CONT'D

2. LAYOUT OF FACTORY:-

Components

Components should be so arranged as to facilitate a continuous flow of operations.

Mill

Must be separate from all other areas of operation.

3. MILL CONSTRUCTION:-

Floor

Mill floors and all other floors should be water and gas proof and slightly inclined. Floors should be smooth and free from cracks and crevices. Drains must be provided.

Walls

Smooth surfaces with no seams. All openings should be meshed to prevent entry of rodents, birds or pests. Ventilation should be provided.

Ceiling

Should be flat to minimize accumulation of dust, debris and cobwebs. The eaves should be sealed to prevent entry of bats and rodents.

Lighting

Light intensity should be adequate for the operation of the various units.

Fencing

Perimeter fencing must be provided.