



Final Project Proposal

By - Group 3

Under the Guidance of Prof. Arnab Deb

Performance Analytics

Submitted by

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Proposal

1. Industry:

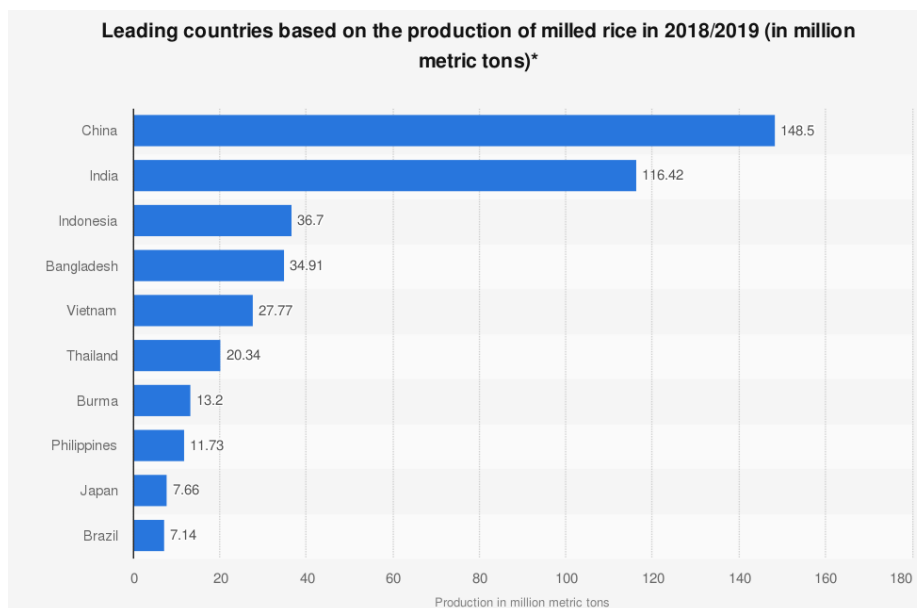
Agriculture Industry

2. About Paddy Production

India is the second largest producer of rice in the world mostly brown and white rice, which are grown in the eastern and southern part of the country. The major rice-growing states are West Bengal, Uttar Pradesh, Andhra Pradesh, Punjab, Tamil Nadu, Orissa, Bihar, and Chhattisgarh, which together contribute about 72% of the total rice area and 75% of total rice production in the country. Although the proportion of rice area irrigated has improved slightly from about 50% in 1995 to almost 59% in 2008, large rice areas are still affected by uneven rainfall distribution. Erratic rainfall can cause drought or, in some cases, untimely submergence or flooding in some rice-growing areas.

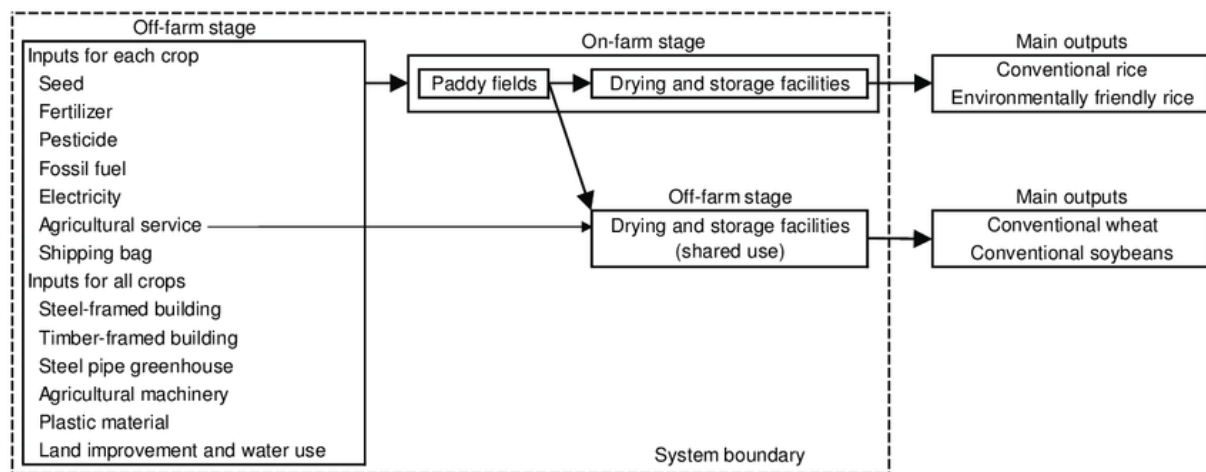
Other major constraints to rice production that the country faces are land, labour, and other inputs (e.g., fertilizer, herbicides, and pesticides). The latest rice program and policies that India is implementing focus on these constraints. Some support is also provided to lessen the difficulty that farmers face to access inputs and to transport their produce.

Other constraints relate to the land and soil. Soil acidity is a problem in southern and eastern India, whereas, in northern India, soil salinity and alkalinity are the problem. Low soil fertility and P and Zn deficiency are widespread.



3. Data source:

<https://eands.dacnet.nic.in/Plot-Level-Summary-Data.htm>



Above figure highlights the general production process used in making rice

6. Input

Following fields have been taken as input field:

Ha-months in ground (Ha.), Crop Area (Ha.), Family Labour (Hrs.), Family Labour (Rs.), Attached Labour (Hrs.), Attached Labour (Rs.), Casual Labour (Hrs.), Casual Labour (Rs.), Hired Animal Labour (Hrs.), Hired Animal Labour (Rs.), Owned Animal Labour (Rs.), Owned Animal Labour (Hrs.), Hired Machine (Hrs.), Hired Machine (Rs.), Own Machine (Hrs.), Own Machine (Rs.), Seed Qty. (Kg.), Seed Value (Rs.), Fertiliser (N) (Kg.), Fertiliser (N) (Rs.), Fertiliser (P) (Kg.), Fertiliser (P) (Rs.), Fertiliser (K) (Kg.), Fertiliser (K) (Rs.), Other Fertiliser (Kg.), Other Fertiliser (Rs.), Total Fertiliser (Kg.), Total Fertiliser (Rs.), Manure (Qtl.), Manure (Rs.), Insecticides (Rs.), Own Irrigation Machine (Hrs.), Own Irrigation Machine (Rs.), Hired Irrigation Machine (Hrs.), Hired Irrigation Machine (Rs.), Other Irrigation Charges (Rs.), Miscellaneous Cost (Rs.), Land Revenue (Rs.), Rent Paid for Leased in Land (Rs.), Imputed Rent (Rs.), Total Depreciation (Rs.), Total Capital (Rs.)

7. Output (Y)

Main Product (Qtls.), Sum of Main Product (Rs.), By Product (Rs.)