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SOIL BRICKS AND THEIR EFFECTS ON AGRICULTURAL PRODUCTION

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ABSTRACT

Soil bricks require main raw material soil how to make a bricks without soil. Soil is important in agriculture for making food grains, pulses and fruits without soil production of these things are not possible. Keep away from soil consumption for making bricks. If fertile soil is available then we produce agricultural food grains, pulses fruits without soil production are impossible. If fertile soil available plentiful then food grains, pulses and fruits production is possible. Today bricks industry requires more and more soil for production purpose continuously, if soil bricks avoid soil for production of bricks then plentiful soil available for agricultural production.

KEYWORDS: Gharala Gharpan Denari Mansa, Making Bricks using wastage material.

INTRODUCTION

What is the raw material required for making soil Bricks? Soil is the main raw material required for making Bricks. Since last ten years huge number of constructions in all over India. When we see the position of Maharashtra State, we seen that Latur district is one of the district where huge construction in many places we seen.

Soil Bricks are used by land owners or builders for construction of apartments. Soil bricks are used for making bricks.

Without soil agricultural production is possible. We get food from agriculture there is three types of land explained by David Ricardo cultivated land, average cultivated land and uncultivated land. So without cultivable land we are unable to produce agricultural land. Soil has indestructible power of land generally such type of soil is used for production of bricks.

HYPOTHESIS

- i) Continuously making buildings Apartments in Latur district
- ii) Bricks making without soil is not possible.
- iii) Soil is most important for agriculture production.
- iv) Fertility of land is possible on soil given by David Ricardo.
- v) How to make bricks without soil?

Objectives:

- 1) To make a strong construction
- 2) To accomplish the accommodation for the people
- 3) To create absorption of water continuously
- 4) To utilize bricks for making walls

In the ancient period population was low in such a situation, stones are used for making home and other things like making huge construction and stone is huge and stronger for building purposes.

Presently India is second largest popular country in the world. According to population census high rate of population every one requires their own home or houses for living purpose. Generally soil bricks are demanded by everyone in our country. Brick industries and production also increases. (Census 2011, Government of India)

Today, we see that production is lesser than demand brick industries are unable to provide bricks according to demand.

Generally soil bricks are demanded by every land owner and apartment contractor for making big apartment. In Maharashtra high population, we see in Mumbai, there is twenty to fifty floors construction is we seen, only because low wasted bricks are utilized making from soil. The soil bricks are low weighted to build the fifty floors construction.

When we see in Latur district, the Municipal Corporation provides permission up to four floors in Latur district, if any owner build more than four floors then corporation doesn't provides permission to those owners and builders.

The economist David Ricardo explains the theory of rent productivity they explains that there are three types of land first is cultivated land minimum cultivable land and uncultivated land explained by David Ricardo.

According to theory of Ricardo if continuously soil utilized for production then ultimately the agriculture sector face problem

All the required data for research purpose collected from different bricks industries from Latur district. Actually research is on cost analysis of Bricks industry.

Brick – Wikipedia:

A brick is building material used to make walls, pavements and other elements in masonry construction. Traditionally, the term brick referred to a unit composed of clay, but it is now used to denote any rectangular units land in mortal.

Merriam – Webster:

A handy-sized unit of building or paving material typically being rectangular and about 21/4 x 22/4 x 8 inches (57 x 95 x 203).

Brick :

Brick definition, a block of clay hardened by drying in the sun or burning in a kiln, and used for building, paving etc.

Definition of Bricks:

A small rectangular block typically made of fired or sun-dried clay, used in building, a large and relatively heavy mobile phone. – By Oxford Dictionary.

Brief definition and meaning Collins English:

Bricks are rectangular blocks of baked clay used for building walls, which are usually red or brown. Brick is the material made up of those blocks.

(Ref. : (<https://www.merriam-webster.com>))

Vocabulary.com:

Rectangular block of clay baked by the sun or in a kiln used as building or paving material.

Differential Rent :

According to Ricardo, rent of land arises because the different plots of land have different degree of productive power; some lands are more fertile then others. So there are different grades of land. The difference between the produce of the superior land and that of the inferior lands is rent- what is called differential rent. Let us illustrate the Ricardian concept of differential rent.

Differential Rent on account of differences in the Fertility of Soil :

Ricardo assumes that the different grades of land are cultivated gradually in descending order – the first grade land being cultivated at first, then the second grade, after that the third grade and so on. With increase in population and with the consequent increase in the demand for agricultural produce, inferior grades of lands are cultivated, creating a surplus or rent for the superior grades. This is illustrated in table as below:

| Grade of Land (the same size) | Total produce and its value | Cost of Production | Rent | Status of land |
|-------------------------------|-----------------------------|--------------------|------|---------------------|
| 1 st | 40 Kg. x Rs.5 = Rs.200 | Rs.100 | 100 | Above marginal land |
| 2 nd | 30 Kg. x Rs.5 = Rs.150 | Rs.100 | 50 | Above marginal land |
| 3 rd | 20 Kg. x Rs.5 = Rs.100 | Rs.100 | Nil | Marginal land |
| 4 th | 15 Kg. x Rs.5 = Rs.75 | Rs.100 | -25 | Below marginal land |

Table shows the position of three different plots of land of equal size. The total cost is the same for each plot of land of equal size each plot of land. Let us assume that the order of cultivation reaches the third stage when all the three plots of land of different grades are cultivated and market price has come to the level of Rs.5 per Kg. of wheat.

According to this theory the productivity of any plot of land always depends upon soil. If fertile soil available then production is possible. If lot of land is unfertile then production is low, so unfertile land is unable to get cost of production.

Brick Quotes:

- A successful man is one who can lay a firm foundation with the bricks others have thrown at him.
 - A career is like a house. It's made of many bricks, and each brick has the same value, because without anyone of them, the house would collapse.
1. **Continuously making buildings Apartments in Latur district.** Soil is the main raw material required for making Bricks. Since last ten years huge number of constructions in all over India. When we see the position of Maharashtra State, we seen that Latur district is one of the district where huge construction in many places we seen.
 2. **Bricks making without soil is not possible.** What is the raw material required for making soil Bricks? Soil is the main raw material required for making Bricks.
 3. **Soil is most important for agriculture production.** Without soil agricultural production is not possible. We get food from agriculture there is three types of land explained by David Ricardo cultivated land, average cultivated land and uncultivated land. So without cultivable land we are

unable to produce agricultural land. Soil has indestructible power of land generally such type of soil is used for production of bricks.

4. **Fertility of land is possible on soil given by David Ricardo.** According to theory of Ricardo if continuously soil utilized for production then ultimately the agriculture sector face problem.
5. **Fertile soil is needed for agriculture, without soil agricultural production is not possible.** Everyone get food from agriculture. There is three types of land explained by David Ricardo cultivated land, average cultivated land and uncultivated land. So without cultivable land we are unable to produce agricultural land. Soil has indestructible power of land generally such type of soil is used for production of bricks.

Therefore, fertile soil is avoided to use for making bricks. Uncultivated soil should be used or utilized for making bricks.

6. How to make bricks without soil?

Autoclave Areated Block:

Contents used for making Bricks:

| | | |
|-------------------|---|--------|
| Cement | - | 20-25% |
| Fly ash | - | 65-70% |
| Quick Lime | - | 5-10% |
| Aluminum Pest | - | 0.01% |
| Gypsum Pop Powder | - | 1-2% |

In Bhusawal there is large number of Aac block making industries which is substitute for soil bricks. Maximum Flyash is used for making low metal bricks.

Generally cement is used in every types of construction it requires up to 20-25% form making blocks.

Quick lime is also different raw material utilized instead of soil and strong building of bricks 5-10% used form making blocks.

Another lowest quantity of Aluminum pest 0.01% used for strongness in blocks.

Today the continuous utilization of soil bricks production. These Aac blocks is one of the best substitute for making house, apartment and building because these construction requires low quantity of Iron rod because as compare to soil bricks the wet of Aac blocks are low waited. There is benefit of Iron consumption.

Generally soil bricks are high weighted as compare to Aac blocks. These blocks are big consumption of cement is also minimum and most important thing for construction is iron rod. These rods are also minimized in big apartments like twenty flowers seven flower the big rod and required in soil bricks apartment but in Aac blocks the size of rods decides only low weighted blocks.

FEATURES OF BRICKS INDUSTRY

- 1) **Employment Opportunity:** Today, it is seen that there is unemployment very where in India. Most of the peoples have getting higher education however, they are jobless. Government provides loans to self-employment to educated peoples for beginning new business; if such opportunities are utilized by these qualified people then they are able to create employment opportunities to others like uneducated also educated people. Self-employment begins as like brick industry. It is seen today the huge constructions and apartments are made continuously.
- 2) **Fulfillment of Demand:** Brick industry always fulfills the demand, those who want to make house, building, and apartment for commercial purpose. Large number of constructions is seen in all over Latur district. It is helpful to provide own home and also employment opportunity.
- 3) **Self-sufficient District:** Now days, it is seen in the Latur district, nearly every one of the builders are needed a huge amount of bricks. However, bricks industries are unable to provide bricks to those who

needed the bricks. If production of bricks increases then it provides employment, requirement of demand and Latur district become self-sufficient for bricks production. Most of the time scarcity of bricks breaks.

CONCLUSION:

This paper publish for reducing soil for bricks production. Soil is main raw material for making bricks. It is important for agriculture production. How to increase agricultural production in future or save the future of agriculture?

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