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## Detailed Analysis of Rajarambapu Patil Group of Textile Industries in Sangli District

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### **Abstract:**

*Rajarambapu Group of Textile Industries dedicated to productivity, quality, versatility in textile manufacturing. The only group having all the facilities of textile manufacture in one premise, viz spinning, weaving, knitting, yarn dyeing, fabric processing and readymade garmenting. A total chain of value addition with the strong commitment to constant development both in technology and commercially. The great visionary Honorable Late Rajarambapu Patil laid a foundation and under able leadership of Respected Jayant Patil, the projects are implemented by the Dilip Patil Chairman, Rajarambapu Vastrodhyog Sankul. The industry has established global presence and a sizeable market share in domestic as well as global export market.*

*There are total seven textile production industrial units in the Rajarambapu textile park*

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**Key Words: Cotton Textile Industry Production, Trends, Geographical Distribution.**

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### **Introduction:**

There are several factors which determine spatial organization of the specific group of firms or the industries. The development of any industry in the specific landscape is highly depends on the availability of the inputs like raw material, basic infrastructure, transportation etc. The main intention of the researcher behind the case study is to explore the spatial organizational structure of the Rajaram Bapu Textile Park, Islampur.

### **Objectives of the Study:**

The major objectives of the present investigation are as below.

1. The Profile of Rajaram Bapu Textile Park
2. To Study the Land use Pattern in Rajaram Bapu Textile Park.
3. To Study the Production Trends of Rajaram Bapu Textile Park

### **Research Methodology:**

A questionnaire scheduled was prepared for the cotton textile units and data related to availability of Land use Pattern, Production Trends of Rajaram

Bapu Textile Park. There are total seven textile production industrial units in the Rajarambapu textile park.

#### **Data Analysis:**

##### **A.) Industrial Profile. -**

There are total seven textile production industrial units in the Rajarambapu textile park. These are as below:

- 1) Shetkari Vinkari Cooperative Spinning Mill Ltd,
- 2) Jayant Textile Cooperative Industries Ltd,
- 3) Indraprastha Knitting and Garment Cooperative Industries Ltd,
- 4) Prerana Magasvargiya Cooperative Industries Ltd,
- 5) Pratibimb Magasvargiya Cooperative Industries Ltd,
- 6) Parivartan Magasvargiya Cooperative Industries Ltd
- 7) Sri Sathya Sai Cooperative Industries Ltd.

##### **Shetkari Vinkari Cooperative Spinning Mill Ltd.:**

The Shetkari Vinkari Cooperating Spinning mill is primarily engaged in producing high quality yarn. The state of art 25200 spindles project having machines from Laxmi Machine Works, Coimbatore and Winding Machines from Murata –Japan and Lab Room Premiere. The setup of machinery and modern testing equipments are committed to produce at a superior speed and highest quality of yarn. The yarn produced by the mill is accepted in export market on all the quality standards. The project is

implemented in two phases. First phase is completed so far and 25200 spindles are presently under production process. The unit has awarded 1<sup>st</sup> prize for best technical performance in the first year 2001 So far unit has achieved 18 various awards and honors. The Minimum Performance Index MPI of the unit is above 100 and quality is exceptional.

There are total 350 labours are working in this unit, out of which 250 workers are skilled and remaining 100 are unskilled. The unskilled labours include helpers and trainee labours and skilled labours included the workers like operator, weavers, machinist, electrician, sidder, dropper, assistant fitter etc. 30 out of 250 labours are female workers. Best labour award is offered in every year and also Rs. 2000 prize is offered for the worker students who achieved success in SSC and HSC examination. The cash incentives and promotions (based on the performance of the labours) are also offered to the labours. The 125 labours are entitled to get the benefits of the provident fund. The payment of the labours is directly transferred to their concern bank account. Most of the payments are deposited in the DDC bank, and Rajarambapu Cooperative Bank, Islampur.

##### **Jayant Textile Cooperative Industries Ltd:**

Jayant Textile Cooperative industries engaged in manufacturing standard and technical woven fabric of various type of natural, artificial and synthetic yarn. Producing fabrics such as

Plain, Poplin Twill, Cotton Voile, Corduroy, Herringbone, Crape, Georgette and Sasteen. Application areas of fabric are technical textiles, agriculture and construction, shoe industries, clothing, geo textiles, upholstery, floor coverage, filtration, cleaning, hygiene medical, automobiles, shipping, railways and aero plane, environmental protection, packaging, personal protection and sports. For this 10 Double Width and 1 Single Width looms from Somet, Wama tex and Wanli are installed which are having production capacity of 75000 m cloth per month.

#### **Indraprastha Knitting and Garment Cooperative Industries Ltd:**

It is engaged in manufacturing of Knitware for men, ladies, children's and babies. Regular Knit structure manufacturing like rib, jerseys, interlock, pique, feeder strips herringbone fleece. 100 per cent cotton and blended fabric are produced using circular Knitting machines from Myer and cie. The manufacturing capacity of the Indraprastha Knitting and Garment Cooperative Industries is 60000 kg fabric per month.

The sizeable production is exported to European Countries such as Russia, Germany and UK and to the fashion capitals. Using the yarn manufactured spinning units the knitted fabric is produced. The unit is having versatile production capacity and can produce any kind of knitted fabric. To boost processing of knit fabric and manufacturing of readymade garments from them the more

projects knit processing and made ups from knitted fabric are undertaken. So far knitting the chain of value addition is fully in existence in the same premise.

#### **Prerana Magasvargiya Cooperative Industries Ltd,:**

It is one of the best performing dyeing houses for yarn being run by the Magasvargiya peoples under the keen leadership of Dilip Patil.

A state of art dyeing house for yarn having capacity of 3 metric tons per day for dyeing of 100 per cent cotton yarn. With Fong–Hongkong high temperature high pressure dyeing machine it providing solution for cotton as well as polyester yarn, with ultra-modern machineries.

#### **Pratibimb Magasvargiya Cooperative Industries Ltd:**

Pratibimb Magasvargiya Cooperative Industries is an ultra-modern Knit fabric processing plant provide activities for reactive dyeing of 100 per cent cotton knitted fabric and improves sale value. The most advanced machines are Dyeing machines imported from Germany, Squeezer from Corion, Itali, Relax Dryer from Salvadeali, compacting calender from lafer, Itali and lab from free point , Mathis Switzerland.

The production capacity of the industry is 4 metric tonne per day. The industry is having environmentally friendly Dyeing machines which use ETP for effluent treatment.

### **Parivartan Magasvargiya Cooperative Industries Ltd:**

It is state of art, modern garmenting project. The unit is well equipped with advanced weaving for textile manufacturing.

One can see, feel and enjoy the textile technology by wearing Garments manufactured by the unit. Parivartan as the name suggests itself transform fabric into fashions. The unit has having production capacity of 4500 garments per day. The most modern, efficient and quality conscious set up of machinery from Japan, Taiwan, China and the versatility of manufacturing any type of garment woven for Knitted. The unit provides complete garmenting solutions from stitching, finishing, washing, printing to embroidery. This project is specially established for employment generation particularly for the female segment of the society.

### **Sri Sathya Sai Cooperative Industries Ltd:**

Sri Sathya Sai Cooperative Industries Ltd. is unique process house where industry can process Knits and woven fabrics.

This is an ultra-modern process house equipped as below:

1. Singing and Desizing Calico Custer – India
2. Jiggers (Dyeing and Scouring) –Shakti-India
3. Merceriser –Dhall-India
4. Silt Opner –Bianco- Itally
5. Stenter –Ewha –Korea
6. Sanforising –Dhall –India

The capacity of this unit is 35000 m per day. 150 total workers are engaged with 15 technical staff. The firm produces the fabric with special finishing effects like water and oil repellent finish. Soil release, stain release, antistatic, antibacterial, UV protection finish, flame retardant finish, negative ion finish and many more finished fabrics with special effects.

### **B) Land Use Pattern**

Indicate the land use pattern of the Rajarambapu Textile Park Islampur. The total area of the park is 221111.40 sq m which around 55.28 acre. Out of this 15.49 percent or the 34255.39 sq m area is built-up and remaining 84.51 percent or the 186856 sq m is the open space. It means that the area under operation is just 8.56 acre. The open space area is significantly more that is around 46.71 acre.

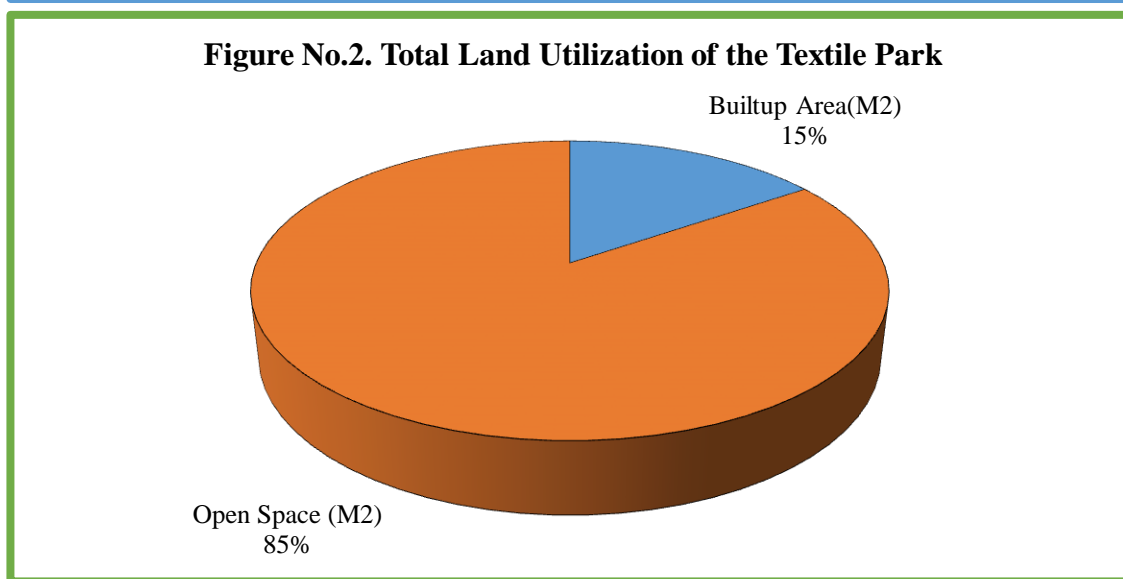
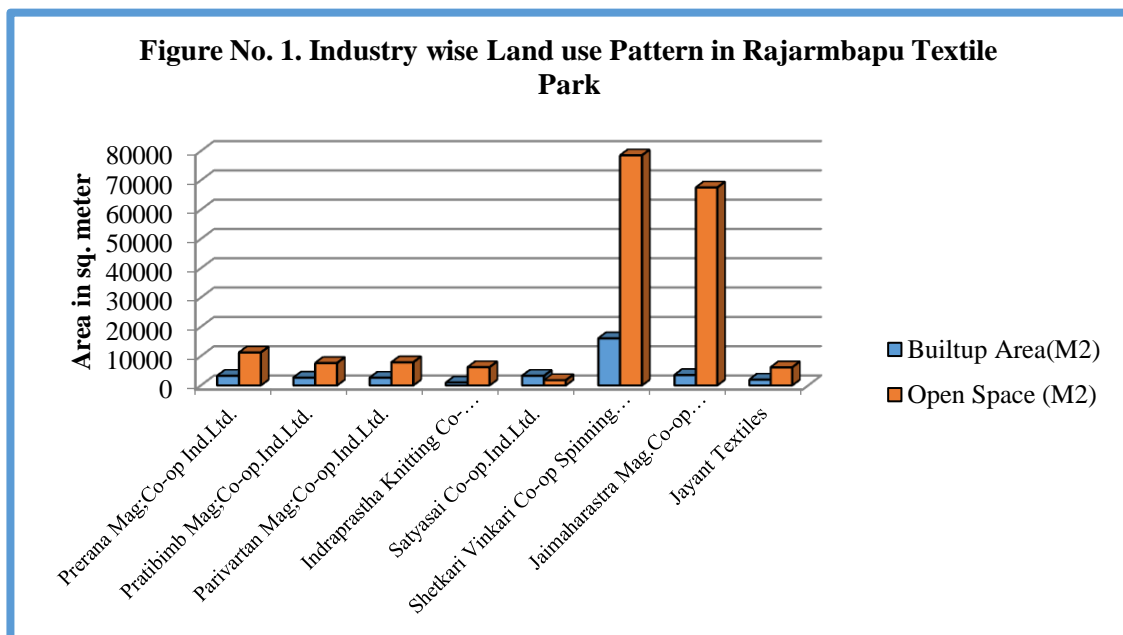
**Table No. 1. Land Use Pattern in Rajarambapu Textile Park Islampur**

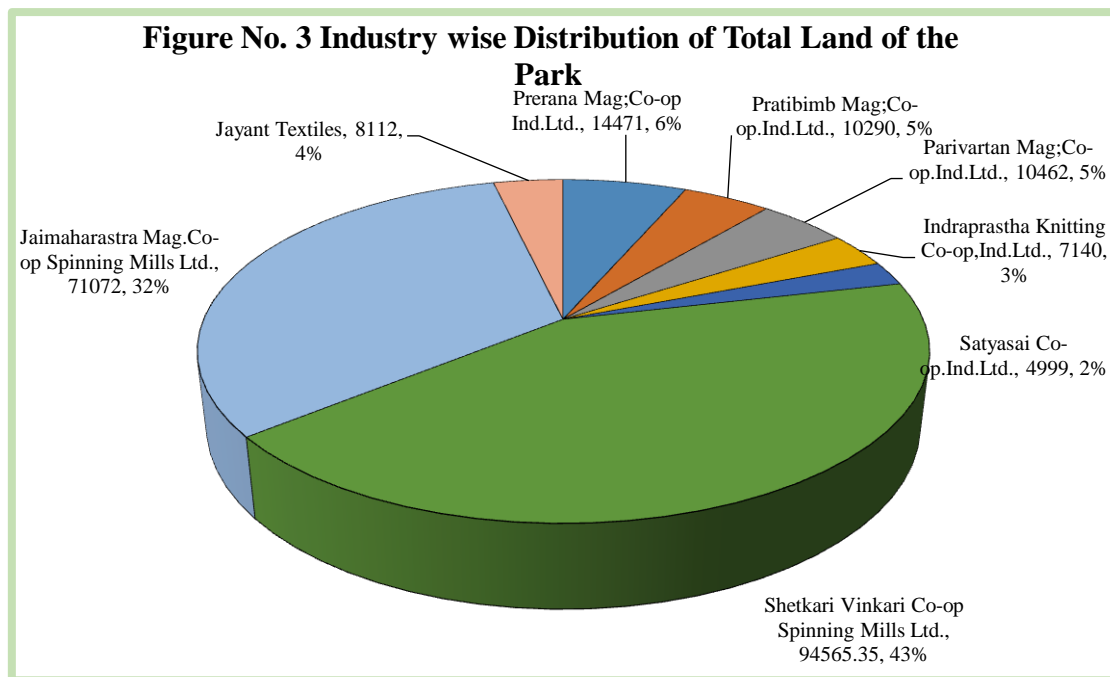
Name of The Unit	Plot No.	Built-up Area(M2)	Open Space (M2)	Plot Area (M2)
Prerana Mag;Co-op Ind.Ltd.	A-20/2/2	3268.64 (22.59%)	11202.36 (77.41%)	14471 (100%)
Pratibimb Mag;Co-op.Ind.Ltd.	A-20/2/3	2647 (25.72%)	7643 (74.28%)	10290 (100%)
Parivartan Mag;Co-op.Ind.Ltd.	A-20/2/4	2593.89 (24.79%)	7868.11 (75.21%)	10462 (100%)

Indraprastha Knitting Co-op,Ind.Ltd.	A-23	936.77 (13.12%)	6203.23 (86.88%)	7140 (100%)
Satyasai Co-op.Ind.Ltd.	A-20/2/2a	3248 (64.97%)	1751 (35.03%)	4999 (100%)
Shetkari Vinkari Co-op Spinning Mills Ltd.	A-20/2/1	16065.25 (16.99%)	78500.1 (83.01%)	94565.35 (100%)
Jaimaharashtra Mag.Co-op Spinning Mills Ltd.	A-20/1	3547.84 (4.99%)	67524.16 (95.01%)	71072 (100%)
Jayant Textiles	A-25	1948 (24.01%)	6164 (75.99%)	8112 (100%)
<b>Total</b>		<b>34255.39</b> <b>(15.49%)</b>	<b>186856</b> <b>(84.51%)</b>	<b>221111.4</b> <b>(100%)</b> <b>(55.28 acre)</b>

Source: Official Record of the Rajarambapu Textile Park, 2019

Note: Figures in bracket shows percentage to concern raw total





The maximum total land is observed in Shetkari Vinkari Cooperative Spinning Mill (i.e 43 per cent of the total park area) and it has followed by Jai Maharashtra Mag. Cooperative Spinning Mill (i.e 32 %). It means 41.41-acre land out of total 55.28-acre land is allocated for the two major units. It is also seen from the figure 7.1 that the lowest area is allocated for the Satyasai Cooperative Ind. Ltd. Thus, in short it can be stated that out of the 55.28 acre land just 8.56 acre land is built-up area and remaining land is utilized for the parking, storage, canteen, garden and roads.

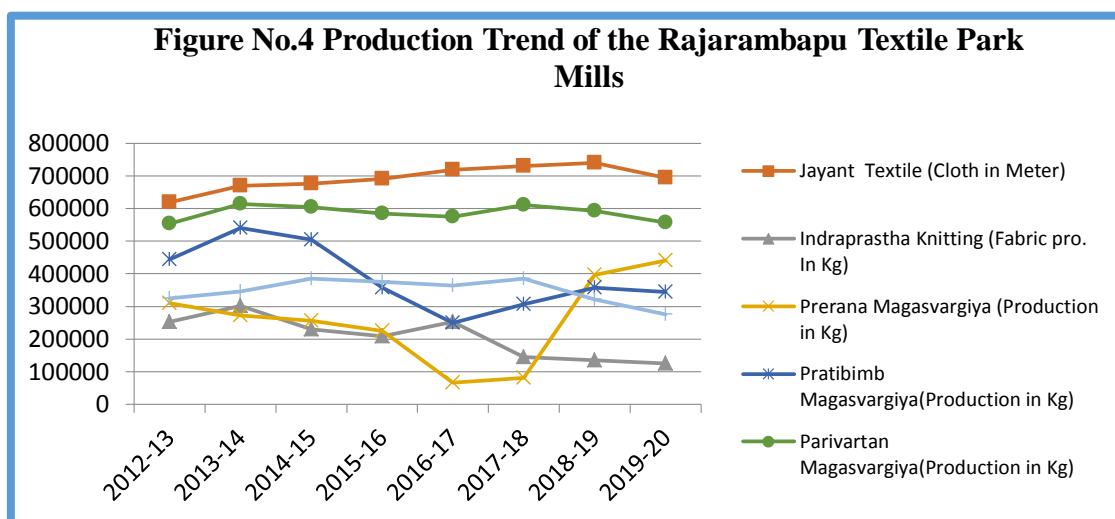
### C) Production:

Indicate the trend in the production of the Mills during the period 2012-13. The production of the Shetkari Vinkari cooperative spinning mill was around 2616121 yarn kg. in 2012-13 which grown up to 3967236 yarn kg in 2014-15, then after it has started to decline up to 2156463 yarn kg in 2019-20. It means that Shetkari Vinkari cooperative spinning mill was having declining production trend and it has recorded -2.72 percent compound annual growth rate. The coefficient of variance recorded to 25.62 percent and the average production is found to 2846549 yarn kg.

## Production Trend of the Rajarambapu Textile Park Mills

Years	Shetkari Vinkari	Jayant Textile	Indraprast ha Knitting	Prerana Magasvargiya	Pratibimb Magasvargiya	Parivartan Magasvargiya	Sri Sathya Sai
	Yran pro. Kg.	Cloth in Meter	Fabric pro. In Kg	Production in Kg	Production in Kg	Production in Kg	Fabric pro. In Kg
2012-13	2616121	618375	253573	309550	444000	554123	324155
2013-14	3897866	669315	301550	272625	540000	614578	345689
2014-15	3967236	675322	229784	256842	504000	604598	385230
2015-16	3030064	690619	208447	224630	357000	584698	375699
2016-17	2108569	718375	253573	66467	249578	574562	364431
2017-18	2577541	729755	144229	81740	306288	610236	385563
2018-19	2418534	738956	135646	396300	357884	592563	321563
2019-20	2156463	694316	125648	439987	344292	556452	275643
Mean	2846549.25	691879.13	206556.25	256017.63	387880.25	586476.25	347246.63
CV	25.62	5.61	31.40	51.98	25.65	3.98	11.07
CGR	-2.72%	1.67%	-9.54%	5.15%	-3.57%	0.06%	-2.29%

Source: Annual Reports of the Mills



1) The production of the Jayant Textile Cooperative Industries was around 618375 meter in 2012-13 which grown up to 738956 meter in 2018-19, then after it has started to decline up to 694316 meter in

2019-20. The CGR of the Jayant Textile Cooperative Industries found to 1.67 percent per annum. The coefficient of variance was recorded to 5.61 percent and

the average production of cloth is found to 691879 meters.

2) The fabric production of the Indraprastha Knitting and Garment Cooperative Industries Ltd, was around 253573 kg in 2012-13 which declined up to 12564 Kg in 2019-20. The CGR of the Indraprastha Knitting and Garment Cooperative Industries Ltd, found to -9.54 percent per annum. The coefficient of variance was recorded to 31.40 percent and the average production of fabric is found to 206556 kg.

3) Prerana Magasvargiya Cooperative Industries Ltd, has recorded positive trend in the production during the reported period. Its average production recorded to 256017.63 Kg. with 51.98 percent coefficient of variance and it has recorded 5.15 percent CGR. It is one of the satisfactory observations of the present investigation.

4) Pratibimb Magasvargiya Cooperative Industries Ltd has recorded declining production trend during the period under consideration. The average production of the Pratibimb Magasvargiya Cooperative Industries Ltd, was found to 387880.25 kg. with 25.65 percent coefficient of variance. It has recorded -3.57 percent CGR.

5) Parivartan Magasvargiya Cooperative Industries Ltd has gradual growth in the production during the period 2012-13 to 2019-2020. It has recorded average production of 586476.25 kg per annum with 3.98 percent minor coefficient of variance. It has recorded 0.06 percent CGR.

6) Sri Sathya Sai Cooperative Industries Ltd. has also having declining production trend. The fabric production of the mills was just 324155 kg in 2012-13 which gone up to 385563 kg. in 2017-18. After 2017-18, the production has reduced drastically. The average fabric production was observed to 347246.63 with 11.07 percent coefficient of variance and -2.29 percent CGR.

In short, the covid -19 pandemic periods was badly heated to the Rajarambapur Textile Park Islampur. The mills are gradually getting revival and trying to get financial sustainability.

#### **Conclusions of the Study:**

The present chapter comprehensively analyzed the spatial organizational structure of the Rajarambapu Group of Textile, Islampur. It is cleared from the study that the geographical conditions of the park are highly favorable and the raw centers are close and enough to provide continuous flow of raw cotton. The cultural, social and political environment of the park is also holistic and assisting in growth of the park. The seven production units of the Rajarambapu Group of Textile, are working smoothly with profit though the Covid- 19 pandemic has badly heated. Shetkari Vinkari Cooperative Spinning Mill Ltd, is one of the better performing spinning mills in the park. The keen management, supervision and control of the Honorable Mr. Jayant Patil and Mr. Dilip Patil have set up new millstone of



success in the history of park. The strong biological and non-biological spatial organization observed in the Rajarambapu Textile Park.

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