

# BUDGET GUIDELINES FOR KHADI & POLYVASTRA

## INDICATIVE PRODUCTIVITY WORKING ECONOMICS FOR CALCULATION OF KHADI & PLYVASTRA PRODUCTION

### **Spinning Productivity:-**

Productivity of a Charkha depends upon the type of fiber used for producing yarn, pre spinning processes, condition of the charkha, the skill and the age of the spinner, the atmospheric condition etc. the productivity is usually in terms of number of hanks produced per charkha in 8 hours.

### **Weaving Productivity:-**

The weaving productivity will depend on the quality of the yarn used for weaving type and mechanical condition of the loom, operating skill of the weaver and atmospheric condition etc.

### **Note:-**

1. The productivity norms worked out below both for spinning and weaving are based on optimum productivity (i.e 100% efficiency). The field offices can work out the actual productivity to the tune of 70% - 80% efficiency based on available infrastructure with the institution.
2. The number of working days is taken as 299 days (52 Sundays and 14 National & Local holidays as non working days).
3. The following working economics are indicative only, based on the information gathered from field.

### **(i) Cotton Khadi Programme: (100% efficiency)** ***(One unit consists of 25 NMC and 10 Looms)***

Yarn Count	Type Of Charkha	Productivity (No. of Hanks/Charkha/8 hrs.)
35 <sup>s</sup> Nm	8 Spindle NMC	25 (Average)

### **Estimated Spinning capacity per unit**

No. of Hanks per Charkha Per day of 8 hrs.	= 25 Hanks
Production per unit per day (25 Hanks x 25 Hanks)	= 625 Hanks
No of working days per annum = 299 Days	
Production per unit per annum (625 Hanks x 299 days)	= 186875 Hanks
Production per unit per annum in Kg. (186875 Hanks/35 <sup>s</sup> Nm)	= 5339 Kg.
Cost of yarn per Kg. (@ Rs. 5.43 per Hank) (Rs. 5.43 x 35 Nm)	= Rs. 190.05/-
Total production value per unit per annum (5339 Kg x Rs. 190.05/-)	=Rs. 1014677/-
<b>Say</b>	<b>= Rs. 10.00 Lakh</b>

### **Estimated Weaving Capacity per unit**

No. of meters per loom per day of 8 hrs.	= 8 mtr.
Production per unit per day (8 mtr. X 10 looms)	= 80 mtr.
No. of working days per annum	= 299 days
Production per unit per annum (80 mtr. X 299 days)	= 23920 mtr.
Cost of Khadi cloth-average rate per meter	= Rs. 90/-
Total production value per unit per annum (23920 mtr. X Rs. 90/-)	= Rs. 21,52,800/-
<b>Say</b>	<b>= Rs. 21.00 Lakh</b>

### **Man Power**

Spinners	: 25
Weavers	: 10
Other Artisans	: 05 (Warping & Winding)
Salaried Staff	: 02 (Instructors)
<b>Total</b>	<b>: 42</b>

### **(ii) Muslin Khadi Programme**

*(One unit consists of 50 Charkhas and 10 looms)*

<b>Yarn Count</b>	<b>Type Of Charkha</b>	<b>Productivity (No. of Hanks/Charkha/8 hrs.)</b>
(100-120)Nm	7 Spindle NMC	20 (Average)

### **Estimated Spinning Capacity per unit**

No. of Hanks per Charkha per day of 8 hrs.	= 20 Hanks
Production per unit per day (20 Hanks x 50 NMC)	= 1000 Hanks
No. of working days per annum	= 299 days
Production per unit per annum (1000 Hanks x 299 days)	= 299000 Hanks
Production per unit per annum in Kg. (299000 Hanks/100 Nm)	= 2990 kg.
Cost of yarn per kg (@ Rs. 5.67 per Hank) (Rs. 5.67 x 100)	= Rs. 567/-
Total Production value per unit per annum (2990 kg x Rs. 567)	= Rs. 16,95,330/-
<b>Say</b>	<b>= 17.00 Lakh</b>

### **Estimated Weaving capacity per unit**

No. of meters per loom per day of 8 hrs.	= 6 mtr.
Production per unit per day (6 mtr. X 10 looms)	= 60 mtr.
No. of working days per annum	= 299 days
Production per unit per annum (60 mtr. X 299 days)	= 17940 mtr.
Cost of Muslin Khadi cloth-average rate per meter	= Rs. 130/-
Total production value per unit per annum (17940 mtr. X Rs. 130/-)	= Rs. 2421900/-
<b>Say</b>	<b>= Rs. 24.00 Lakh</b>

## **Man Power**

Spinners	: 50
Weavers	: 10
Other Artisans	: 10 (Warping & Winding)
Salaried Staff	: 02 (Instructors)
<b>Total</b>	<b>: 72</b>

## **(iii) Silk Khadi Programme**

*One unit consists of 10 Basins and 20 looms*

### **Estimated Reeling capacity per unit**

Average production per basin per day of 8 hrs.	= 900 Grm
Production per unit per day (900 Grm x 10 Basins)	= 9000 Grm i.e 9 kg
No. of working days per annum	= 299 days
Production per unit per annum (9 kg x 299 days)	= 2691 kg
Cost of Yarn per kg	= Rs. 2200/-
Total production value per unit per annum (2691 kg x Rs. 2200)	= Rs. 59,20,200/-
<b>Say</b>	<b>= 59.00 Lakhs</b>

### **Estimated Weaving capacity per unit**

No. of meters per loom per day of 8 hrs.(Plain Shirting)	= 5 mtr.
Production per unit per day (5 mtr. X 20 looms)	= 100 mtr.
No. of working days per annum	= 299 days
Production per unit per annum (100 mtr. X 299 days)	= 29900 mtr.
Cost of Silk Khadi cloth-average rate per meter	= Rs. 350/-
Total production value per unit per annum (29900 mtr. X Rs. 350/-)	= Rs. 10465000/-
<b>Say</b>	<b>= Rs. 104.00 Lakh</b>