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WORK OUT THE PLAN CALCULATION FOR THE PRODUCTS PRODUCED FOR PREGNANT WOMEN

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Abstract
In this article, preliminary information for designing clothes for pregnant women, as well as the development and production of constructions for such clothes, the need to create comfortable and hygienic clothes for expectant mothers, the importance of improving the design system and creating high-quality and competitive clothes for mass production of this category of women studied.

Keywords: construction, rational, silhouette, design, project, shape, assortment, suit, sundress.

Introduction

In connection with the transition to a market economy, enterprises are given the right to freely choose their product range and their activities. This makes it a task for the enterprise to develop the forms and methods of its activity that allow the enterprise to effectively manage the new conditions, taking into account the changing demand flows in the market.

Therefore, the consumer wants to see the maximum wide and diverse assortment on store shelves. Within the interests of the manufacturer, the types of product assortment should be separated, unified and compatible with existing production bases. One such direction is the production of products for pregnant women. Currently, in our republic, marketing research on the production of products for pregnant women has not yet been carried out sufficiently, and the production of these products has not been launched on a mass scale.

Our republic has all the opportunities to develop the sewing industry, currently, the main attention in the development of sewing enterprises is focused on technological re-equipment. It is possible to increase the competitiveness and quality of manufactured products only by applying improved technology at the level of global requirements. In accordance with the state investment program, great work is being done in Uzbekistan to automate the production process and introduce advanced technology. Garment enterprises are being replenished with technological

INNOVATIVE TECHNOLOGICA
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equipment parks with new brand machines with high technological performance and many joint ventures are being opened.

Materials and Methods

Production of products for pregnant women in joint ventures would saturate the mass market with the types of products on the one hand, and on the other hand, it would satisfy the demand of pregnant women for clothes. Therefore, in this master's thesis, we will calculate the plan calculation of suits-sarafan and sundress products produced for pregnant women.

Table 1. Plan calculation of manufactured products

Raw materials and basic materials	Unit of measure	Consumption norm		Unit price, UZS	The price for model 1, UZS	The price for model 2, UZS
		M1	M2			
1	2	3	4	5	6	7
Fabric	m	2.35		15000	35250	21600
Button	piece	5	1.20	18000	1500	
Thread	reel	0.75	0.25	1000	750	250
Strap	m	5	3	300	1500	900
Non-woven fabric	m	1.5	0.5	1200	1800	600
Label	piece	1	1	25	25	25
Company logo	-//-	1	1	20	20	20
Material costs	Mx				40845	23395
Sold cuts	Sq				1762.5	1080
Transport preparation costs	Thx				816.9	467.9
Total:	X_{11}				41790.6	22782.9

1. Product packaging costs:

$X_{M1}=X_{11}(1\div2\%)=41790.6\cdot0.02=835.81$ UZS

$X_{M2}= 22782.9\cdot0.02=455.65$ UZS

2. Fuel and steam costs required for the technology:

$X_{M1}=N_{1\ max}/V_y=102000/212=481.13$ UZS

$X_{M2}=102000/956=106.69$ UZS

3. Depreciable, low-cost inventory costs:

$X_{M1}=KN_{\text{tech. equi.}}\cdot(1\div3\%)=12405.66\cdot0.03=372.16$ UZS

$X_{M2}=2039.74\cdot0.03=61.19$ UZS

Calculation of the volume of production in a year

$$B_{M1}=\frac{Д_{ик}\cdot T_{см}}{T_в}=\frac{239{,}8}{9}=212 \text{ unit}$$

$$B_{M2}=\frac{239{,}8}{2}=956 \text{unit}$$

INNOVATIVE TECHNOLOGICA
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Cost of capital required for technological equipment:

KM $_{\text{tech. equi.M1}}$=2630000 c/212=12405.66 UZS

KM $_{\text{tech. equi.M2}}$=1950000 c/956=2039.74 UZS

4. Material costs related to heating and maintenance of buildings

$X_{M1}=(I_{s\ 1un}\cdot N_{1\ sq\ m})/V_y$=9800/212=46.22 UZS

X_{M2} =9800/956=10.25 UZS

5. Materials needed for maintenance and current repair of the production building and equipment

X_{M1} =8800/212=41.5 UZS

X_{M1} =8800/956=9.2 UZS

6. Electricity costs

a) Costs for motor electricity

$$Э_{дв}=\frac{\sum ЭДК\cdot T_в}{K_u}=\frac{2.7\cdot 9}{1.2}=20.25kVt/h$$

$$Э_{дв}=\frac{2.3\cdot 2}{1.2}=3.83kVt/h$$

$$X_{двм1}=20,25\cdot 82,7=1674,68c$$

$$X_{двм2}=3,83\cdot 82,7=317,02c$$

b) Costs for building lighting

$$X_{ligh}=\frac{S_{1\text{worker}}\cdot N_{ligh}\cdot T_v\cdot Б_{1\text{kW}}}{K_s}=\frac{8\cdot 0,015\cdot 9\cdot 64,8}{0,95}=73,66$$

$X_{ligh.M1}$=73.66 s $X_{en.M1}$=1674.68+73.66=1748.34 UZS

$X_{ligh.M2}$=16.37 s $X_{en.M2}$=317.02+16.37=333.39 UZS

Table 2. Table summarizing material costs

No	Cost structure	Suit sundress	Sundress
I.	Direct material costs		
1.1	Raw materials and basic materials	41790.6	22782.9
1.2	Product packaging costs	835.81	455.65
1.3	Fuel and steam costs required for the technology	481.13	106.69
II.	Indirect material costs		
2.1	Costs for a low-cost inverter that decays quickly	372.16	61.19
2.2	Materials related to heating and storage of greenhouse	46.22	10.25
2.3	Materials needed for maintenance and current repair of the production building and equipment	41.5	9.2
2.4	Electricity costs	1748.34	333.39
	TOTAL:	45315.76	23759.28

INNOVATIVE TECHNOLOGICA
METHODICAL RESEARCH JOURNAL
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Labour costs:

a) We calculate the sewing rate of the product:

$$\rho_1 = C^0_{ишб} \cdot ТК_i \cdot M_C = 395{,}24 \cdot 2{,}616 \cdot 9 = 9305{,}53c$$

$$\rho_2 = 395{,}24 \cdot 2{,}616 \cdot 2 = 2067{,}89c$$

b) $$\text{prize money}_1 = \frac{Q \cdot X\%}{100} = \frac{9305.53 \cdot 60}{100} = 5583.32uzs$$

c) $$ИХ_2 = Q + M = 9305.53 + 5583.32 = 14888.85uzs$$

$$M_{УК2} = \frac{2067,89 \cdot 60}{100} = 1240,74uzs$$

$$ИХ_2 = 2067,89 + 1240,74 = 3308,62uzs$$

Single social payment

$$X_{\text{янгМ1}} = \frac{ИХ \cdot X\%}{100} = \frac{14888,85 \cdot 25}{100} = 3722,21uzs$$

$$X_{\text{янгМ2}} = \frac{3308,62 \cdot 25}{100} = 827,16uzs$$

Depreciation of fixed assets:

a) $$A_{б/ин_1} = КМ_{мех} \cdot 20\% = \frac{8 \cdot 102000 \cdot 0,05}{212 \cdot 100} = 192,45uzs$$

$$A_{б/ин_2} = \frac{8 \cdot 102000 \cdot 0,05}{956} = 42,67uzs$$

c) Depreciation of technological equipment

$$A_{tech.eq_{M1}} = КМ_{мех} \cdot 20\% = \frac{2630000 \cdot 20}{212 \cdot 100} = 2481,13uzs$$

$$A_{tech.eq_{M2}} = \frac{1950000 \cdot 20}{956 \cdot 100} = 407,95uzs$$

$$A_{g_{M1}} = 2481,13 \cdot 0,03 = 74,43uzs$$

$$A_{g_{M2}} = 407,95 \cdot 0,03 = 12,24uzs$$

Total depreciation:

$$A_{Tot_{M1}} = 192,45 + 2481,13 + 74,43 = 2748,01uzs$$

$$A_{Tot_{M2}} = 42,67 + 407,95 + 12,24 = 462,86uzs$$

Other expenses

a) Costs of keeping equipment in working condition

$$X_{\text{САК}_1} = \frac{ИХ_{MEX} \cdot 100}{B_{CT} \cdot 60} = \frac{80000 \cdot 100}{212 \cdot 60} = 628.93uzs$$

$$X_{\text{САК}_2} == \frac{80000 \cdot 100}{956 \cdot 60} = 139.47uzs$$

b) Technical security costs

INNOVATIVE TECHNOLOGICA
METHODICAL RESEARCH JOURNAL
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$$X_{т.х_1} = \frac{B_{1w}}{B_{CT}} = \frac{6600}{212} = 31.13uzs$$

$$X_{т.х_2} = \frac{6600}{956} = 6.90uzs$$

Total:

$$X_{g_{M1}} = 628.93 + 31.13 = 660.06uzs$$

$$X_{g_{M2}} = 139.47 + 6.9 = 146.37uzs$$

Table 17. Plan calculation for the models being designed

T/R	Indicators	Suit-sarafan		Sundress	
		value	%	value	%
1	2	3	4	5	6
1.	Material costs	45315.76	48.88	23759.28	54.95
2.	Labour costs	14888.85	16.06	3308.62	7.65
3.	Single social payment	3722.21	4.02	827.16	1.91
4.	Depreciation of fixed assets	2748.01	2.96	462.86	1.07
5.	Other expenses	660.06	0.71	146.37	0.34
I	The price of the product	67334.89	72.63	28504.28	65.92
II	Product profitability	18%	13.07	30%	19.78
III	Benefit	12120.28	85.7	8551.28	85.7
IV	The wholesale price of the product	79455.17	14.3	37055.57	14.3
V	Weight of added value				
VI	Wholesale price based on contract	13242.52	100	6175.93	100
		92697.69		43231.5	

Conclusion

Designing clothes for pregnant women is one of the most important and urgent issues today. This issue is particularly important when designing clothes for a pregnant woman because serious physiological and anthropometric changes are observed in the body of this category of women in a relatively short period of time. Because of this, there is a constant demand for maternity clothes. the need to conduct special scientific research has arisen under the following circumstances:

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