

Management Accountancy

Unit 10

Master Budget – Financial Statements

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Contents

- Master Budget – Financial Statements (Budgeted Balance Sheet, Budgeted Income Statement, Cash Budget)

Learning Objectives

- Prepare Projected Financial Statements (Budgeted Balance Sheet, Budgeted Income Statement, Cash Budget)

Cash Budget

- Plan of future cash receipt and payment
- Show the estimated cash inflow and cash outflow
- Helpful tool in cash management
- Help to avoid unnecessary idle cash balance
- Help to eliminate unneeded expensive borrowing

Cash Budget (Contd.)

Section 1	Receipt section
Section 2	Disbursement section
Section 3	Cash surplus or Deficit section
Section 4	Financing section

Cash Budget
For the Months of

Details/Months	1	2	3	4
Beginning Cash Balance (a)	x x x	x x x	x x x	x x x
Add : Budgeted Cash Receipts				
Cash Sales	x x x	x x x	x x x	x x x
Collection from Debtors	x x x	x x x	x x x	x x x
Cash from Selling of Fixed Assets	x x x	x x x	x x x	x x x
Interest and Dividend Received	x x x	x x x	x x x	x x x
Issue of Shares and Debentures	x x x	x x x	x x x	x x x
Any Other Sources of Cash Inflows	x x x	x x x	x x x	x x x
Total Cash Receipt (b)	x x x	x x x	x x x	x x x
Total Cash Available for Payments (c = a + b)	x x x	x x x	x x x	x x x
Less : Payments				
Cash Purchases	x x x	x x x	x x x	x x x
Cash Pay to Creditors	x x x	x x x	x x x	x x x
Wages and Salaries Paid	x x x	x x x	x x x	x x x
Cash Paid for Overhead Expenses	x x x	x x x	x x x	x x x
Payment for Fixed Assets Purchases	x x x	x x x	x x x	x x x
Interest and Dividend Paid	x x x	x x x	x x x	x x x
Loan/Debenture Redemption	x x x	x x x	x x x	x x x
Any Other Sources of Cash Outflows	x x x	x x x	x x x	x x x
Total Payments (d)	x x x	x x x	x x x	x x x
Ending Cash Balance (Before Financing) (c – d)	x x x	x x x	x x x	x x x
Add : Borrowings	x x x	x x x	x x x	x x x
Less : Repayment of Loan – Principal	x x x	x x x	x x x	x x x
Interest	x x x	x x x	x x x	x x x
Ending Cash Balance (After Financing)	x x x	x x x	x x x	x x x

Budgeted Income Statement

- Computed after the completion of all of the preceding budgets
- Budgeted net income from normal operation is ascertained
- Summarizes all the budgets
- Projections of revenue and expenses for the budgeted period
- Overall projected profit or loss position of budgeted period
- Planning and control of the profits of the business
- Investigation of possible causes of variances.

Budgeted Income Statement

Budgeted Income Statement

	Rs.	Rs.
Budgeted Sales Revenue		x x x
Less: Budgeted Cost of Goods Sold		<u>x x x</u>
Gross Profit		x x x
Less : Other Cost :		
Office and Administrative Cost	x x x	
Selling and Distribution Cost	<u>x x x</u>	
Total Other Cost		<u>x x x</u>
Budgeted Net Profit Before tax		x x x
Less : Provision of Tax		<u>x x x</u>
Budgeted Net Profit After Tax		<u>x x x</u>

Budgeted Balance Sheet

- Final step in budgeting
- Represents the expected financial position at a particular date
- Discloses unfavorable financial conditions
- Check on the mathematical accuracy of all other budgets
- Compute of various ratios to check the consistency
- Highlights future resources and obligations
- Provide overall financial position of the budgeted period
 - management may take necessary action to improve it
- Investigate on budgeted return on capital employed

Budgeted Balance Sheet As at

Assets and Liabilities	Rs.	Rs.
A. Fixed Assets	x x x	
Less : Accumulated Depreciation	x x x	
B. Current Assets :		x x x
Cash in Hand	x x x	
Cash at Bank	x x x	
Inventories	x x x	
Sundry Debtors	x x x	
Bills Receivable	x x x	
Prepaid	x x x	
Total Current Assets		x x x
Total Assets (A+B)		x x x
C. Share Capital	x x x	
D. Retained Earning	x x x	
Total Shareholder's Equity (C+D)		x x x
E. Long Term Liabilities		x x x
F. Current Liabilities and Provisions :		
Sundry Creditors	x x x	
Bills Payable	x x x	
Bank Overdraft	x x x	
Outstanding Expenses	x x x	
Provision for Taxation	x x x	
Proposed Dividend	x x x	
Total Current Liabilities		x x x
Total Liabilities		x x x

Cost of Good Sold Budget

- Production cost = Direct Materials + Direct Labour
+ Variable Manufacturing overhead

Provide information for:

- Pre-determined production unit rate
- Inventory valuation for budgeted period
- Value of cost of sales prior to preparation of income statement

Cost of Goods Sold Budget (Under Variable Costing)

For Months.....

Beginning Inventory of Direct Materials	x x x
Add : Purchase of Direct Materials	x x x
Total Direct Materials Available	<u>x x x</u>
Less : Ending Inventory of Direct Materials	x x x
Total Direct Materials Consumption	<u>x x x</u>
Direct Labour	x x x
Variable Manufacturing Overhead	x x x
Total Production Cost	<u>x x x</u>
Add : Beginning Inventory of Finished Goods	x x x
Total Finished Goods Available for Sale	<u>x x x</u>
Less : Ending Inventory of Finished Goods	x x x
Cost of Goods Sold	<u>x x x</u>

Account Receivable Budget

- Credit sales and amount collection from the customers
- Useful to control over the credit sales

Purposes:

- to control credit sales
- to develop credit sales strategy
- to develop credit sales collection strategy for budgeted period
- ageing analysis of debtors
- provides details of discount on credit sale, bad debts and credit sales return

Account Receivable Budget

Account Receivable Budget For Months.....

Particulars/Months	January	February	March	Total
Beginning Balance	x x x	x x x	x x x	x x x
Add : Credit Sales	x x x	x x x	x x x	x x x
Total Receivable	x x x	x x x	x x x	x x x
Less : Collection from Debtors	x x x	x x x	x x x	x x x
Ending Balance	x x x	x x x	x x x	x x x

Account Payable Budget

- Credit purchases and amount payment to credit purchases
- Useful to strength the credit purchase activities

Purposes:

- to strengthen the credit purchase activities
- helpful to meet short term financing
- to arrange necessary funds to pay creditors
- discount provided by creditors and credit purchase return

Account Payable Budget

Account Payable Budget For Months.....

Particulars/Months	January	February	March	Total
Beginning Balance	x x x	x x x	x x x	x x x
Add : Credit Purchase	x x x	x x x	x x x	x x x
Total Payable	x x x	x x x	x x x	x x x
Less : Payment to Creditors	x x x	x x x	x x x	x x x
Ending Balance	x x x	x x x	x x x	x x x

Problem

The Nepal Electronics Co. produces and sells a single product. The product requires two types of raw materials – A and B. The standard usage for each product is A: 2 units and B : 4 units. The actual sale for the last month was Rs.150,000. Sales planning for coming three months are as follows:

	January	February	March
Budgeted Sales Units	4,000	5,000	6,000

The company's policy is to have enough inventory to meet 25% of the next month budgeted sales. The beginning and ending inventory for 3 months period estimated are as follows:

	Product	Material A	Material B
Beginning Inventory (Units)	1,000	5,000	8,000
Ending Inventory (Units)	1,500	6,000	10,000

In the case of raw material, the company's policy is to maintain ending inventory equal to 50% of the units required for the next month's production. The purchasing price of the raw material A and B is Rs.5 and Rs. 10 per unit respectively.

Problem (Contd.)

The assistant controller is preparing 3 months budgets ending March. In the process, the following information have been accumulated:

Sales: Unit sales price Rs. 75. Credit sales typically are 80% of total sales. The credit experience indicates that 50% of the credit sales are collected during the month of sales and the remainders are collected during the following month.

Purchases: All purchases are credit purchases and creditors are paid in the following month of purchases. The purchases for Chaitra was Rs.150,000.

Overheads: Other monthly expenses will be as follows:

Salaries and Wages	Rs. 40,000
Rent and Taxes	Rs. 50,000
Depreciation	Rs. 10,000
Others	Rs. 20,000
Total	Rs. 120,000

Capital Expenditure: The president of the company has indicated that the firm should acquire a machine at a payment of Rs.50,000 on January.

Balance of cash on 1st January in Rs. 200,000.

- Required: (a) Sales budget for 3 months
(b) Production Budget for 3 months.
(c) Material Purchase Budget for 3 months.
(d) Cash Budget for 3 months.

Solution

(a) Key points: (1) Sales units (2) Selling price

Sales budget from 1st January to end of March

Months	Budgeted Sales units	Selling price	Sales Revenue
January	4,000	75	3,00,000
February	5,000	75	3,75,000
March	6,000	75	4,50,000
Total	15,000		1,125,000

(b) Key points: (1) budgeted sales units (2) inventory policy

Production budget for 3 months from 1st January to end of March

	January	February	March
Budgeted sales units	4,000	5,000	6,000
Add: Closing stock	1,250 (5000 X 25%)	1,500 (6,000 X 25%)	1,500 (Given)
Total need	5,250	6,500	7,500
Less: Opening stock	1,000 (Given)	1,250	1,500
Budgeted Production units	4,250	5,250	6,000

Solution (Contd.)

Working Note 1: Raw material consumption budget

Key points: (1) Production units (2) Raw material consumption rate

	January	February	March
Budgeted Production units	4,250	5,250	6,000
Raw Material "A" consumption @2units/unit	8,500	10,500	12,000
Raw Material "B" consumption @4units/unit	17,000	21,000	24,000

Solution (Contd.)

(c) Key points: (1) Raw material consumption (2) inventory policy (3) Raw material price

Raw material purchase budget

	January	February	March
Raw Material "A"			
Budgeted RM Consumption units	8,500	10,500	12,000
Add: Closing stock	5,250	6,000	6,000
Total need	13,750	16,500	18,000
Less: Opening stock	5,000	5,250	6,000
Budgeted Purchase units	8,750	11,250	12,000
Budgeted Purchase amount @ Rs 5	43,750	56,250	60,000
Raw Material "B"			
Budgeted RM Consumption units	17,000	21,000	24,000
Add: Closing stock	10,500	12,000	10,000
Total need	27,500	33,000	34,000
Less: Opening stock	8,000	10,500	12,000
Budgeted Purchase units	19,500	22,500	22,000
Budgeted Purchase amount @ Rs 10	195,000	225,000	220,000
Total Purchase amount [A+B] Rs.	238,750	281,250	280,000

Solution (Contd.)

Working Note 2: Cash sales and amount collection from debtors

	December	January	February	March	April
Budgeted S/R	1,50,000	3,00,000	3,75,000	4,50,000	
Cash sales (20%)	30,000	60,000	75,000	90,000	
Credit sales (80%)	1,20,000	2,40,000	3,00,000	3,60,000	
Collection from debtors					
This month's sales (50%)	60,000	1,20,000	1,50,000	1,80,000	
Last month's sales (50%)		60,000	1,20,000	1,50,000	1,80,000
Total amount collection		1,80,000	2,70,000	3,30,000	

Solution (Contd.)

(d) Cash Budget from 1st Jan. to end of March

	January	February	March	April
Opening Balance	200,000	130,000	126,250	
Add: Receipt				
Cash sales (Working Note 2)	60,000	75,000	90,000	
Collection from debtors (W/N 2)	180,000	270,000	330,000	
Total Receipt	240,000	345,000	420,000	
Amount available for payment	440,000	475,000	546,250	
Less: Payment				
Pay to creditors	150,000	238,750	281,250	280,000
Salaries and wages	40,000	40,000	40,000	
Rent and Taxes	50,000	50,000	50,000	
Others	20,000	20,000	20,000	
Machine purchase	50,000	-	-	
Total Payments	310,000	348,750	391,250	
Closing Balance	130,000	126,250	155,000	

Problem

In its process of preparing budget a trading limited company prepared the following budgets.

Schedule: Past Sales and Sales Budget:

Month	December	January	February	March	April
Sales Revenue	500,000	600,000	700,000	600,000	500,000

Sales: 20% of sales will be in cash and remaining 80% will be in credit. 80% of credit sales will be collected in the month of sales and remaining in the next month of sales.

Gross Profit: The gross profit margin on sales will be 45%.

Inventory Policy: The desired ending inventory of merchandise will be equal to meet next month's sales need.

Desired Cash Balance: A minimum cash balance of Rs.25,000.

Operating Expenses: The operating expenses, selling and distribution expenses will be 20% of sales revenue paid when they due

Purchases: the purchases of the month will be paid in the month of purchase.

Capital Expenditure: Company intends to purchase a vehicle at a cost of Rs.2,00,000 in the month of January.

Share Issues: Company has planned to issue additional share capital for amounting Rs. 2,00,000 on the month of February

Cash Balances and its Provisions: the minimum cash balance Rs. 25,000 each month and excess of Rs. 30,000 is deposited into bank. The company has approached a commercial bank for a line of credit to meet temporary deficiency of cash. The borrowings will be in a multiple of Rs. 5,000 and repayments in Rs.1,000 together with interest of 12% p.a.

Cash and Inventory Balances: The cash balance and inventory of merchandise at the end of December was Rs.26,000 and Rs.3,30,000.

Required: (a) Merchandise purchase budget for the three months ending March.

(b) Operating and selling and distribution budget for the three months.

Solution

(a) Merchandise purchase budget for the three months ending March

	January	February	March	April
Sales	600,000	700,000	600,000	500,000
Less: Gross Profit @45%	270,000	315,000	270,000	225,000
Cost of Sales	330,000	385,000	330,000	275,000
Add: Ending Inventory	385,000	330,000	275,000	
Total need	715,000	715,000	605,000	
Less: Beginning Inventory	330,000	385,000	330,000	
Purchase Amount	385,000	330,000	275,000	

Solution (Contd.)

(b) Operating and selling and distribution budget for the three months

	January	February	March
Sales	600,000	700,000	600,000
Operating and selling and distribution @ 20% on Sales	120,000	140,000	120,000

Solution (Contd.)

W/N 1: Cash sales and amount collection from debtors

	December	January	February	March	April
Budgeted Sales Revenue	500,000	600,000	700,000	600,000	
Cash sales (20%)	100,000	120,000	140,000	120,000	
Credit sales (80%)	400,000	480,000	560,000	480,000	
Collection from debtors					
This month's sales (80%)	320,000	384,000	448,000	384,000	
Last month's sales (20%)		80,000	96,000	112,000	96,000
Total amount collection		464,000	544,000	496,000	

Solution (Contd.)

(c) Cash Budget

	January	February	March
Opening Balance	26,000	25,000	316,600
Add: Receipt			
Cash sales (Working Note 1)	120,000	140,000	120,000
Collection from debtors (Working Note 1)	464,000	544,000	496,000
Issue of share		200,000	
Total Receipt	584,000	884,000	616,000
Amount available for payment	610,000	909,000	932,600
Less: Payment			
Purchase	385,000	330,000	275,000
Operating and selling and distribution	120,000	140,000	120,000
Vehicle purchase	200,000		
Total Payments	705,000	470,000	395,000
Cash Surplus (Deficits)	(95,000)	439,000	537,600
Borrowing from Bank	120,000	0	0
(Repayment of loan – Principal)	0	(120,000)	0
(Repayment of loan – Interest)	0	(2,400)	0
Closing Balance	25,000	316,600	537,600
Cash Balance	25,000	30,000	30,000
Bank balance	0	286,600	507,600

Interest = $120,000 \times 12\% \times 2/12 = 2,400$

Bank balance = Current Account

Problem

A Company wants a master budget for the next three months beginning January 19x2. It desires an ending minimum cash balance of Rs. 4,000 each month. Sales are forecasted at an average selling price of Rs. 4 per unit. Inventories are supposed to equal 125% of the next month sales in units except for the month end of March. The March 31 inventory in units should be 75% of the next month sales. Merchandise costs are Rs. 2 per unit. Purchases during any given month are paid in full during the following month. All sales are in credit, payable within thirty days but experience has shown that 40% of current sales is collected in the current month, 40% in the next month, and 20% in the next month after. Bad debts are negligible.

Monthly Operating Expenses are as follows:

Wages and Salaries	Rs.10,000
Insurance Expired	Rs. 200
Depreciation	Rs. 150
Miscellaneous	Rs. 2,000
Rent	Rs. 100+ 10% of Sales

Cash dividend of Rs. 1,000 are to be paid quarterly beginning January 15, and are declared on the fifteen of the previous month. All operating expenses are paid as incurred except insurance, depreciation and rent. Rent of Rs. 100 is paid at the beginning of each month and additional 10% of sales is paid quarterly of the month following the quarter. The next settlement is due on January 10. The Company plans to buy some new furniture and fixtures for Rs. 2,000 cash in March.

Problem (Contd.)

Money can be borrowed and repaid in multiples of Rs. 500; at an interest is 18% per annum. Management wants to minimize borrowing and repay rapidly. Interest is computed and paid when the principal is repaid. Assume that borrowing takes place at the beginning and repayments at the end of the months in question. Money is never borrowed at the beginning and repaid at the end of the same month. Compute interest to the nearest Rupees.

Balance Sheet (December 31, 19X1)

Cash	4,000	Account Payable	28,750
Account Receivable	16,000	Dividend Payable	1,000
Inventory	31,250	Rent Payable	7,000
Un-expired Insurance	1,200		
Fixed Assets (Net)	<u>10,000</u>	Equity Share	<u>25,700</u>
	62,450		62,450

Problem (Contd.)

Recent and Forecasted Sales are:

October	Rs. 30,000
November	20,000
December	20,000
January	50,000
February	60,000
March	30,000
April	36,000

Required: Master Budget for first three month of 19x2.

Solution

1. Goods Purchase Budget

	Jan	Feb	March	April
Budgeted Sales revenue	50,000	60,000	30,000	36,000
Less: Gross Profit (50% on sales)	25,000	30,000	15,000	18,000
Cost of sales	25,000	30,000	15,000	18,000
Add: Desired Closing Stock	37,500	18,750	13,500	
Total Need	62,500	48,750	28,500	
Less: Opening Stock	*31,250	37,500	18,750	
Purchase Amount	31,250	11,250	9,750	

Solution (Contd.)

2. Operating Expenses Budget

	January	February	March	Total
Wages and Salaries	10,000	10,000	10,000	30,000
Insurance expired	200	200	200	600
Depreciation	150	150	150	450
Miscellaneous	2,000	2,000	2,000	6,000
Rent (Fixed)	100	100	100	300
Rent (Variable) 10% of Sales	5,000	6,000	3,000	14,000
Total	17,450	18,450	15,450	51,350 P/L A/C

Solution (Contd.)

Working Note 1: Calculation of Cash collection

	Nov	Dec	Jan	Feb	March	April
Credit Sales	20,000	20,000	50,000	60,000	30,000	
This month's Sales 40%	8,000	8,000	20,000	24,000	12,000	
Last month's Sales 40%		8,000	*8,000	20,000	24,000	18,000
Before Last month's sales 20%			**4,000	*4,000	10,000	12,000
Total collection			32,000	48,000	46,000	

* December sales

**Nov Sales

Solution (Contd.)

3. Cash Budget

	January	February	March	April
Opening Balance	*4,000	4,150	4,165	
Add: Receipt				
Collection from debtors (W/N – 1)	32,000	48,000	46,000	
Amount available for payment	36,000	52,150	50,165	
Less: Payments				
Pay to creditors	*28,750	31,250	11,250	9,750 A/C Payable
Wages and Salaries	10,000	10,000	10,000	
Miscellaneous	2,000	2,000	2,000	
Rent (Fixed)	100	100	100	
Rent (Variable)	*7,000	-	-	14,000 Rent payable
Dividend payment	*1,000	-	-	
Purchase Furniture	-	-	2,000	
Total Payment	48,850	43,350	25,350	
Surplus (Deficits)	(12,850)	8,800	24,815	
Borrowings	17,000	-	-	
(Repayment – Principal)	-	(4,500)	(12,500)	
(Repayment – Interest)	-	(135)	(563)	
Closing Balance	4,150	4,165	11,752	

*From Opening Balance Sheet

Interest Expenses = $4500 \times 18\% \times 2/12 = 135$; $12500 \times 18\% \times 3/12 = 563$

Solution (Contd.)

4. Income Statement from 1st Jan to 31st March

Sales Revenue		1,40,000
Less: Cost of Goods sold @50% of Sales		70,000
Gross Margin		70,000
Less: Other Expenses		
Operating Expenses	51,350	
Interest (135+563)	698	52,048
Net profit before tax		17,952
Less: Provision for dividend		1,000
Net Profit transfer to Balance Sheet		16,952

Solution (Contd.)

5. Balance Sheet (as on March 31, 19X2)

Account Payable	9,750	Cash	11,752
Dividend Payable	1,000	Account Receivable	30,000
Rent Payable	14,000	Inventory	13,500
P/L Account	16,952	Un-expired Insurance	600
Equity Share	<u>25,700</u>	Fixed Assets (Net)	<u>11,550</u>
	67,402		67,402

$$\text{Insurance} = 1,200 - 600 = 6000$$

$$\text{Fixed Assets} = 10,000 + 2,000 - 450 = 11,550$$

Problem

The Balance Sheet as on December 31st of year II of an industry is given below:

	Rs.		Rs.
Capital	500,000	Building	200,000
Profit and Loss Account	220,000	Machine	160,000
Amount due for Merchandise	225,000	Investment	40,000
Amount Payable Machine Supplier (due in Baishak)	50,000	Inventory:	
Outstanding Wages	124,800	Merchandise	121,000
		Finished Goods	86,400
		Account Receivable from Customer:	
		Sale of Falgun	184,000
		Sale of Chaitra	320,000
Tax Payable due in Baishakh	16,600	Cash in Hand	25,000
	1,136,400		1,136,400

The actual sales and forecasted sales of the coming year are given for necessary consideration.

Months	November	December	January	February	March	April	May
Sales in Units	23,000	20,000	24,000	25,000	24,000	25,000	25,000

Problem (Contd.)

Sales: Sale price per unit will be Rs. 20. Sales are on credit. 20% realizes in the month of sale on which 2% discount will be allowed. Balance will be collected equally in two installments following month of sales on monthly basis.

Purchases: One unit of finished goods will require 5 kg of merchandise. The merchandise will cost Rs. 2 per kg. Merchandises are procured on credit, payable after the month of purchase.

Wage: Wage payment for one unit of finished goods will be Rs. 6 & which will be paid in the following month.

Overhead: Payment will be made in the same month. Variable manufacturing will be Rs.2 per unit. Fixed manufacturing cost for one year will be Rs. 120,000.

Inventory Policy: Merchandise – 50% of the subsequent month's requirement.

Finished Goods – 20% of the subsequent month's sales.

Minimum Cash Balance Expected will be Rs. 25,000.

The industry paid Rs. 50,000 in January to machine supplier. A commercial bank has given approval to avail loan to the industry in the multiple of Rs. 5,000 @ 12% p.a. The loan provides provision to reimburse in the multiple of Rs. 1,000.

- Required:
1. Production Budget for three months ending March
 2. Merchandise Purchase Budget for three months ending March
 3. Cash Budget for three months ending March
 4. Income Statement (consolidated) for three months ending March

Solution

1. Production Budget

	January	February	March	April	May
Sales units	24,000	25,000	24,000	25,000	25,000
Add: Ending Inventory	5,000	4,800	5,000	5,000	
Total need	29,000	29,800	29,000	30,000	
Less: Beginning Inventory	*4,800	5,000	4,800	5,000	
Production units	24,200	24,800	24,200	25,000	

* Finished Goods 86,400 (= 4,800 units X Rs. 18)

Working Note 1: Calculation of production cost per unit (using variable costing)

DM (5 kg X Rs 2) = 10

Wages = 6

VMOH = 2

Cost per unit = 18

Solution (Contd.)

2. Raw materials purchase budget

	January	February	March	April
Production units	24,200	24,800	24,200	25,000
RM Consumption [@5 kg/unit]	121,000	124,000	121,000	125,000
Add: Ending Inventory	62,000	60,500	62,500	
Total need	183,000	184,500	183,500	
Less: Beginning Inventory	*60,500	62,000	60,500	
RM Purchase (Kg)	122,500	122,500	123,000	
RM Purchase @ Rs. 2/kg	245,000	245,000	246,000	

* RM 121,000 (= 60,500 kg X Rs 2)

Solution (Contd.)

Working Note 2 Cash collection from debtors

	November	December	January	February	March	April
Credit Sales amount (sales units X SP)	460,000	400,000	480,000	500,000	480,000	
This month 20% (Discount 2%)	92,000	80,000	96,000 (1,920)	100,000 (2,000)	96,000 (1,920)	
Last month 40%		184,000	*160,000	192,000	200,000	384,000
Before last month 40%			**184,000	*160,000	192,000	200,000
Total collection			438,080	450,000	486,080	B/S

* Chiatra sales 320,000

** Falgun sales 184,000

Discount = 1,920+2,000+1,920 = 5,840 (P/L account)

Solution (Contd.)

Working Note 3: Wage payment budget

	January	February	March
Production units	24,200	24,800	24,200
Wages @ Rs 6 per unit	145,200	148,800	145,200

Working Note 4: VMOH budget

	January	February	March
Production units	24,200	24,800	24,200
VMOH @ Rs. 2 per unit	48,400	49,600	48,400

Solution (Contd.)

3. Cash Budget for 3 months from 1st Jan. to 31st March

	January	February	March	April
Opening Balance	*25,000	28,280	25,420	
Add: Receipt Collection from Debtors (W/N 2)	438,080	450,000	486,080	
Amount available for payment	463,080	478,280	511,500	
Less: Payment				
Pay to creditors	*225,000	245,000	245,000	246,000 B/S
Wages (Working Note 3)	*124,800	145,200	148,800	145,200 B/S
VMOH (Working Note 4)	48,400	49,600	48,400	
Fixed Manufacturing Overhead	10,000	10,000	10,000	
Pay to machine supplier	50,000			
Tax	16,600			
Total Payment	474,800	449,800	452,200	
Surplus (Deficits)	(11,720)	28,480	59,300	
Borrowings	40,000	-	-	
(Bank loan repayment)	-	(3,000)	(33,000)	4,000 B/S
(Interest payment)	-	(60)	(990)	4000X12%X3/12 = 120 B/S
Closing Balance	28,280	25,420	25,310	B/S

$$11,720 + 25,000 = 36,720$$

$$28,480 - 25,000 = 3,480$$

$$\text{Interest} = 3,000 \times 12\% \times 2/12 = 60$$

$$59,300 - 25,000 = 34,300$$

$$\text{Interest} = 33,000 \times 12\% \times 3/12 = 990$$

$$34,000 \times 12\% \times 3/12 = 1,020 \text{ (Not possible)}$$

- Opening Balance

Solution (Contd.)

4. Income Statement for 3 months from 1st Jan. to 31st March

Sales units	(24,000+25,000+24,000)	73,000 units
Budgeted Sales Revenue	(73,000 units X Rs. 20)	1,460,000
Less: COGS	(73,000 units X Rs.18) W/N 1	1,314,000
Gross Profit		146,000
Less: Other Expenses		
FMOH	30,000	
Discount	5,840	
Interest	(60+990+120=) 1,170	37,010
Profit transfer to B/S		108,990

Solution (Contd.)

5. Budgeted Balance Sheet as on end 31st March

Capital + Liability	Rs.	Asset	Rs.
Capital	500,000	Building	200,000
Profit and Loss Account	328,990	Machine	160,000
220,000 + 1,08,990			
A/C Payable	246,000	Investment	40,000
		Inventory:	
		R/M (62,500 kg X Rs 2)	125,000
Outstanding Wages	145,200	Finished Goods	90,000
		(5,000 units X Rs 18)	
Bank loan	4,000	Account Receivable	584,000
Interest Payable	120	Cash in Hand	25,310
	<u>1,224,310</u>		<u>1,224,310</u>

Solution (Contd.)

Cost of Goods Sold Budget

Opening Stock of Raw Materials	(60,500 kg X Rs 2)	121,000 (Opening Balance)
Add: Raw Material Purchased	(368,000 kg X Rs 2)	736,000 (RM Purchased budget)
RM available for consumption	428,500 kg X Rs 2)	857,000
Less: Closing Stock of RM	(62,500 kg X Rs 2)	125,000
RM Consumption	(366,000 kg X Rs 2)	732,000
Wages	(73,200 units X Rs 6)	439,200
Variable Manufacturing Overhead	(73,200 units X Rs 2)	146,400
Production cost	(73,200 units X Rs 18)	1,317,600
Add: Opening Stock of Finished Goods		86,400 (Opening Balance)
Goods available for sales		1,404,000
Less: Closing Stock of Finished Goods	(5,000 units X Rs. 18)	90,000
Cost of goods sold		1,314,000

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Thank You