# Annual Survey of Industries, 2003 – 2004
## Flow Chart for Tabulation Program

*Volume – I( Table – 1 & 2)*

| Srl. | Description | Formula |
|---|---|---|
| 1 | No. of factories | $A11$ |
| 2 | Factories in operation | $A11, for A12\#2$ |
| 3 | **Fixed Capital** | $\sum_{i=1}^{9} Ci,12$ **For i#8** |
| 4 | Physical Working Capital | $\sum_{i=1}^{6} Di,4 \ For \ i\#4$ |
| 5 | Working Capital | $4 + D8,4 + D9,4 + D10,4 - (D12,4 + D13,4 + D14,4)$ |
| 6 | Invested Capital | $3 + 4$ |
| 7 | Gross Value of additions to fixed capital | $\sum_{i=1}^{9} Ci,5 \ For \ i\#8$ |
| 8 | Rent paid | $F6,3 + F8,3 + F9,3$ |
| 9 | Outstanding Loan | $D17,4$ |
| 10 | Interest paid | $F10,3$ |
| 11 | Rent received | $G6,3 + G8,3 + G9,3$ |
| 12 | Interest Received | $G10,3$ |
| 13 | Gross Value of P&M | $C3,3 + C3,4 + C3,5 - C3,6$ |
| 14 | Value of Products & By-products | $\sum_{i>0,i\#12} Ji,13 + G2,3 + G4,3$ |
| 15 | Total Output | $14 + G1,3 + G3,3 + G11,3$ |
| 16 | **Fuels consumed** | $H16,6 + H17,6 + H18,6 + H19,6$ |
| 17 | **Materials consumed** | $\sum_{i=1}^{11} Hi,6 + \sum_{i>23} Hi,6 + H13,6 + H14,6 + H20,6 + \sum_{i>0,i\#7} Ii,6$ |
| 18 | **Total Input** | $16 + 17 + F1,3 + F2(i),3 + F2(ii),3 + F2(iii),3 + F2(iv),3 + F3,3 + F4,3 + F5,3 + F11,3$ |
| 19 | GVA | $15 - 18$ |
| 20 | Depreciation | $\sum_{i=1}^{9} Ci,9 \ For \ i\# 8$ |
| 21 | NVA | $19 - 20$ |
| 22 | **Net Fixed Capital Formation (NFCF)** | $\sum_{i=1}^{9} (Ci,12 - Ci,11 - Ci,4) \ For \ i\#8$ |
| 23 | Gross Fixed Capital Formation (GFCF) | $22 + 20$ |
| 24 | Addition in stock of: | |
| | (a) Materials, Fuels Etc. | $\sum_{i=1}^{3} (Di,4 - Di,3)$ |
| | (b) Semi-Finished Goods | $(D5,4 - D5,3)$ |
| | (c) Finished Goods | $(D6,4 - D6,3)$ |
| | (d) Total | $(a) + (b) + (c)$ |
| 25 | Gross Capital Formation | $23 + 24(d)$ |
| 26 | Net income | $21 - (8 + 10)$ |
| 27 | Profit | $26 - \sum_{i=1,i\#4,6}^{8} (Ei,8 + Ei,9) - \sum_{i=6}^{8} (Ei,10 + Ei,11)$ |

*Volume – I( Table – 3 & 4)*

| Srl. | Description | Formula |
|---|---|---|
| A | **<u>Average no. of persons engaged</u>** | $\sum_{i=1, i\#4,6}^{9} Ei,6$ |
| 1 | Workers | $E1,6 + E2,6 + E3,6 + E5,6$ |
| 1.1 | Directly employed | $E1,6 + E2,6 + E3,6$ |
| 1.1.1 | Men | $E1,6$ |
| 1.1.2 | Women | $E2,6$ |
| 1.1.3 | Children | $E3,6$ |
| 1.2 | Employed through Contractors | $E5,6$ |
| 2 | ***Employees other than worker*** | $E7,6 + E8,6 + E9,6$ |
| 2.1 | Supervisory & Managerial Staff | $E7,6$ |
| 2.2 | Other employees | $E8,6$ |
| 3 | Unpaid family members/proprietor etc. | $E9,6$ |
| B | Man-days employed, Total | $\sum_{i=1, i\#4,6}^{8} Ei,5$ |
| C | Wages & Salaries, Employer's Contribution | $1 + 2$ (As defined below) |
| 1 | Wages & Salaries including Bonus | $1.1 + 1.2$ (As defined below) |
| 1.1 | Wages & Salaries | $1.1.1 + 1.1.2 + 1.1.3$ (As defined below) |
| 1.1.1 | Workers | $E1,8 + E2,8 + E3,8 + E5,8$ |
| 1.1.2 | Supervisory & Managerial Staff | $E7,8$ |
| 1.1.3 | Other Employees | $E8,8$ |
| 1.2 | Bonus to all Staff | $\sum_{i=1, i\#4,6}^{8} Ei,9$ |
| 2 | Employer's Contribution etc. | $E10,10 + E10,11$ |
| *Volume – I (Table – 5 & 6) Fuels Consumed* | | |
| 1 | Coal Consumed | H18, 6 |
| 2 | Electricity Purchased | H16, 6 |
| 3 | Petroleum Products | H17, 6 |
| 4 | Other Fuels | H19, 6 |

Remarks:

a) Alphabets in italics under the 'Formula' column represent the block codes used in the schedule

b) Unless otherwise mentioned, the symbols are of the form *<Block Row, Column>.* For example $E8,7$ represents Row with serial number 8 and column number 7 of Block E.

c) 'No. of factories' in Volume I(Table 1&2) are calculated for A12 = 1, 2, 17, 18, 19, 20 where codes 17 to 20 indicate extracted data from the previous year.

d) 'Factories in operation' in Volume I are calculated for A12 = 1, 17, 18, 19, 20 where codes 17 to 20 indicate extracted data from the previous year.

e) For calculation of closing values 'Addition due to revaluation' (Column 4 of Block C) has not been considered.

f) All other parameters in volume I are calculated for A12< 7 or A12>= 17.

g) For calculating 'Gross Value of Plant & Machinery' in Volume I (Table 1&2) $C3,7$ has been used in place of $C3,3 + C3,4 + C3,5 - C3,6$ because of non-availability of information in the schedule.

h) For calculating 'Man-days employed, Total' in Volume I (Table 3&4), $E10,5$ has been used in place of $\sum_{i=1, i\#4,6}^{8} Ei,5$ because of non-availability of constituent items in the schedule

i) For calculating 'Bonus to all Staff' in Volume I (Table 3&4), $E10,9$ has been used in place of $\sum_{i=1, i\#4,6}^{8} Ei,9$ because of non-availability of constituent items in the schedule