# BRAC's Contribution to Gross Domestic Product of Bangladesh 

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#### Abstract

This paper estimates the contribution of BRAC programmes to the gross domestic product (GDP) of Bangladesh. BRAC's contribution to GDP of Bangladesh has been divided into four components. These are 1) Value added in BRAC as an organization in a given year, 2) Incremental value added in linked sectors due to input supply to BRAC in a given year, 3) Incremental value added in linked sectors attributed to loans disbursed by BRAC in a given year, and 4) Incremental value added in linked sectors attributed to nonfinancial development inputs (skill training, non-formal primary education, and health services) in a given year. BRAC contributed Tk. $8,215.3$ million, Tk. 10,479.1 million, Tk. 13,558 million and Tk. 17,770.3 million to GDP of Bangladesh in 1995, 1996, 1997 and 1998 respectively. In 1995 BRAC's share to GDP was $0.7 \%$, which increased to $1.15 \%$ in 1998. This shows that output of BRAC increased faster than GDP of Bangladesh. During the period output of BRAC increased, on average, at $29.1 \%$ annually. But estimating the contribution of education intervention was not possible due to lack of information on the sectoral wage differential of the BRAC graduates and those without any education. Therefore, the total output of BRAC is not fully captured in the present study.


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## INTRODUCTION

The objective of BRAC is poverty alleviation and empowerment of the poor. BRAC views poverty in a holistic sense and regards it as a complex syndrome that requires extensive and innovative efforts to overcome. It tries to attain its objective through three major programmes, viz., Rural Development Programme (RDP), Health, Nutrition and Population Programme (HNPP) and Non-Formal Primary Education (NFPE). RDP covers all the 64 districts of Bangladesh with nearly 3.4 million borrower-households. BRAC is operating more than 34 thousand non-formal primary schools where children of poor households attend free of cost. Currently BRAC's health and population programme covers about 35 million people throughout the country. BRAC has several other programmes aimed to create income and employment opportunities of the poor and to support the vulnerable group. BRAC also has a number of income generating projects, profit of which is channelled to finance development works.

It has become a concern that whether such development interventions have impact on the macro economy of the country i.e., whether the standard macro variables like national income, savings, investment, employment are affected by NGO intervention. Contribution of some of the development interventions viz., credit and savings programme is observable while contribution of some other programmes viz., training, education, and health interventions is unobservable and difficult to estimate.

Research on the above issues is almost non-existent and also difficult to conduct mainly due to the lack of an established methodology. Dr. Mohiuddin Alamgir pioneered such a study on the contribution of Grameen Bank to GDP ${ }^{1}$ of Bangladesh. The study found that Grameen Bank contributed $1.1 \%$ of Bangladesh's GDP in 1996 (1). The present study which follows the same methodology employed by Dr. Alamgir, attempts to estimate the contribution of BRAC to GDP of Bangladesh.

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## METHODOLOGY

BRAC's contribution to GDP of Bangladesh, $\mathrm{V}_{\mathrm{b}}$ can be divided into four components. These are:

First component (Direct): Value added in BRAC as an organization in a given year $\left(\mathrm{V}_{\mathrm{b} 1}\right)$, Second component (Indirect): Incremental value added in linked sectors due to input supply to BRAC in a given year $\left(\mathrm{V}_{\mathrm{b} 2}\right)$,

Third component (Indirect): Incremental value added in linked sectors attributed to loans disbursed by BRAC in a given year $\left(\mathrm{V}_{\mathrm{b3}}\right)$, and
Fourth component (indirect): Incremental value added in linked sectors attributed to nonfinancial development inputs (skill training, non-formal primary education, and health services) in a given year ( $\mathrm{V}_{\mathrm{b}}$ ). Therefore,
$\mathrm{V}_{\mathrm{b}}=\sum_{i=1}^{4} V_{b}$

## First component

Value added in BRAC in a given year is the sum of 1) wages and salaries paid by BRAC $\left.\left(Y_{b 1}\right), 2\right)$ net interest earned by BRAC $\left.\left(\mathrm{Y}_{\mathrm{b} 2}\right), 3\right)$ net profit earned by BRAC $\left(\mathrm{Y}_{\mathrm{b} 3}\right)$ on nonloan activities, and 4) provision for depreciation $\left(\mathrm{Y}_{\mathrm{b} 4}\right)$ during the period. Thus,
$V_{b 1}=\sum_{i=1}^{4} Y_{b i}$

## Second component

Incremental value added in linked sectors due to input supply to BRAC in a given year is estimated by:
$V_{b 2}=\sum_{i}\left[\left(a I_{b}\right) v_{i}\right]$
Where,
$I_{b}=$ Input supply to BRAC in a given year.
$\mathrm{a}_{\mathrm{i}}=$ Input coefficient of sector (i).
$\mathrm{v}_{\mathrm{i}}=$ Value added coefficient of sector (i).

## Third component

Incremental value added in linked sectors attributed to loans disbursed by BRAC in a given year consists of four elements. Of these, three elements are from different uses of loan proceeds viz., i) capital investment of different types (K), ii) intermediate inputs purchase (I), and iii) wage payments (W). The fourth element is net profit of loanfinanced activities less income from alternative activities in the absence of BRAC loan (П).
$\mathrm{V}_{\mathrm{b} 3}=\mathrm{V}(\mathrm{K})+\mathrm{V}(\mathrm{I})+\mathrm{W}+$ П
Where,
$\mathrm{V}(\cdot)=$ Incremental value added in supplying sectors due to loan proceeds in a given year.

Therefore, total loan disbursed to sector $(\mathrm{j}),\left(\mathrm{C}_{\mathrm{j}}\right)$ is the sum of 1$)$ amount of investment in items supplicd by different capital goods sectors out of loan disbursed to sector (j) in a given year $\left(\mathrm{K}_{\mathrm{j}}\right), 2$ ) amount of intermediate input purchase out of loan disbursed to sector (j) in a given year $\left(\mathrm{I}_{\mathrm{j}}\right)$, and 3 ) amount of wage payments out of loan disbursed to sector ( j ) in a given year $\left(W_{j}\right)$.
$\mathrm{C}_{\mathrm{i}}=\mathrm{K}_{\mathrm{j}}+\mathrm{I}_{\mathrm{j}}+\mathrm{W}_{\mathrm{j}} \quad \forall \mathrm{j}=1, \cdots---9$.
The sectors are 1) Agriculture, 2) Fisheries, 3) Poultry and livestock, 4) Sericulture, 5) Cottage industry, 6) Rural transport, 7) Rural trading, 8) Food process, and 9) Housing.

It is assumed that loan-use in sectors are distributed by a given coefficient $c$. This is given as follows:
$\mathrm{K}_{\mathrm{j}}=\mathrm{c}_{\mathrm{kj}} \mathrm{C}_{\mathrm{j}}, \mathrm{I}_{\mathrm{j}}=\mathrm{c}_{\mathrm{ij}} \mathrm{C}_{\mathrm{j}}$, and $\mathrm{W}_{\mathrm{j}}=\mathrm{c}_{\mathrm{wj}} \mathrm{C}_{\mathrm{j}}$
Or
$\mathrm{C}_{\mathrm{j}}=\sum_{p} c_{p j} C_{j} \quad \forall \mathrm{p}=\mathrm{k}, \mathrm{I}$ and w
Where,
$c_{p j}=$ Share of loan disbursed to sector (j) used for p-th item.
a) A number of steps have been followed to calculate total incremental value added due to increase in capital investment financed by loan proceeds to a receiving sector in a given year.

First, the amount of purchase from each capital supplying sector has been estimated. Amount of capital purchased from sector (i) for sector (j) financed by loans $\left(\mathrm{K}_{\mathrm{ij}}\right)$ is estimated by
$\mathrm{K}_{\mathrm{ij}}=\mathrm{k}_{\mathrm{ij}} \mathrm{c}_{\mathrm{kj}} \mathrm{C}_{\mathrm{j}}$
Where,
$\mathrm{k}_{\mathrm{ij}}=$ Share of capital supplying sector (i) in the amount of capital investment in sector (j) out of loan proceeds.

Second, each type of capital purchased by loan receiving sectors is added to estimate the total investment demand $\left(D_{i}\right)$ from each sector.
$\mathrm{D}_{\mathrm{i}}=\sum_{j} k_{i j} c_{j} C_{j}$
Third, direct and indirect increases in output of all linked sectors due to increase in final demand of capital supplying sectors has been estimated through input-output inverse matrix.
$\mathrm{Q}=[\mathrm{I}-\mathrm{A}]^{-1} \mathrm{~F}$
Where,
$\mathrm{Q}=$ output vector, $[\mathrm{I}-\mathrm{A}]^{-1}=$ Leontiff inverse matrix, and $\mathrm{F}=$ final demand vector.

For sector (i), the estimated total output increase is given by
$\mathrm{X}_{\mathrm{i}}=\sum_{m} A_{m i} D_{i}$
Where,
$\mathrm{A}_{\mathrm{mi}}=$ the element of the inverse matrix showing output increase in linked sector (m) due to unit demand increase in $D_{i}$.
$\mathrm{X}_{\mathrm{i}}=$ total output increase due to increase in K in all sectors.

To get value added in linked sector (i), $\mathrm{X}_{\mathrm{i}}$ has been multiplied by vector of sectoral value added coefficients $\left(\mathrm{v}_{\mathrm{i}}\right)$. Total value added $\mathrm{V}(\mathrm{K})$ is the sum of value added in all sectors.
$\mathrm{V}(\mathrm{K})=\sum_{i} X i v_{i}$
b) Incremental value added in sectors supplying intermediate inputs financed by loan proceeds to sector $(\mathrm{j}), \mathrm{V}\left(\mathrm{I}_{\mathrm{j}}\right)$ is as follows:
$\mathrm{V}\left(\mathrm{I}_{\mathrm{j}}\right)=\sum_{i}\left[\left(a_{i j} c_{i l} C_{j}\right) v_{i}\right]$
Where,
$\mathrm{a}_{\mathrm{ij}}=$ Input coefficient of sector ( j ) from sector ( i ).
$\mathrm{v}_{\mathrm{i}}=$ Value added coefficient of sector (i)
Therefore, incremental value added in sectors supplying intermediate inputs is estimated by:
$\mathrm{V}(\mathrm{I})=\sum_{j} \sum_{i}\left[\left(a_{i j} c_{i l} C_{j}\right) v_{i}\right]$
(Secondary effects working through input-output relationship is ignored)
c) Wage payments financed by loan disbursed to sector (j) create value added directly and this is given by the following:
$\mathrm{W}_{\mathrm{j}}=\mathrm{c}_{\mathrm{wj}} \mathrm{C}_{\mathrm{j}}$ and $\mathrm{W}=\sum_{j} c_{w j} C_{j}$
d) Net profit from activities financed by loan proceeds of sector (j) less opportunity cost in a given year is estimated by:
$\Pi_{\mathrm{j}}=\mathrm{r}_{\mathrm{j}} \mathrm{C}_{\mathrm{j}}-\mathrm{Y}_{\mathrm{j}}$ and $\Pi=\sum_{j}\left(r_{j} C_{j}-Y_{j}\right)$
Where,
$\mathrm{r}_{\mathrm{j}}=$ Average return on investment in sector (i).
$\mathrm{Y}_{\mathrm{j}}=$ Return from alternative activities.

## Fourth component

## a) Contribution of skill development training

The potential earnings of the beneficiaries who received training from BRAC in year $t-1$ estimate the contribution of BRAC training to GDP in year t. Therefore, the contribution of BRAC's skill training, $v_{t}(s)$ is given by the excess of $y_{t}(s)$ over $y_{0}(s)$ less cost per trainee, $\mathrm{C}_{1}$ (capital and recurrent incurred by BRAC plus cost borne by the trainee). Thus, $\mathrm{v}_{\mathrm{t}}(\mathrm{s})=\left[\mathrm{y}_{\mathrm{t}}(\mathrm{s})-\mathrm{y}_{0}(\mathrm{~s})\right]-\mathrm{C}_{\mathrm{t}}$
where
$y_{t}(s)=$ annual income in sector $s$ of the beneficiary who received training from BRAC
$y_{0}(s)=$ annual income in sector $s$ without any training

A beneficiary can receive training for more than one sector and can be involved in the sectors in which she received training. A weighted average of $v_{t}(s)$ has been taken as the unit value added of a beneficiary receiving training.
$v_{t}=\sum_{s} a_{s} v_{t}(s)$
For a total number of N beneficiaries who received training and got themselves engaged in income earning activities, the contribution of BRAC training is estimated by $V(T)=\sum_{N} v_{t}$

## b) Contribution of education intervention

The potential wage earnings of the graduates of year $t-1$ can estimate the contribution of education intervention of BRAC to GDP in year $t$. For example, if the BRAC school system produced only one graduate of level L (say primary) in year t-1 who joined the labour force in year $t$ to earn an annual wage of $\mathrm{w}_{\mathrm{L}}(\mathrm{s})$ in sector s , then the contribution to GDP of BRAC's education intervention, $\mathrm{v}_{1}(\mathrm{~s})$ is given by excess of $\mathrm{w}_{\mathrm{L}}(\mathrm{s})$ over $\mathrm{w}_{0}(\mathrm{~s})$, wage in sector $s$ without education less per student cost of education (capital and recurrent incurred by BRAC plus cost borne by the student), i.e.,
$\mathrm{v}_{\mathrm{l}}(\mathrm{s})=\left[\mathrm{w}_{\mathrm{L}}(\mathrm{s})-\mathrm{w}_{0}(\mathrm{~s})\right]-\mathrm{c}_{\mathrm{L}}$.
In calculating, $\mathrm{w}_{\mathrm{L}}(\mathrm{s})$ and $\mathrm{w}_{0}(\mathrm{~s})$, weighted average of male and female wage has been taken.

Each level of graduate may be employed in more than one sector. A weighted average of $\mathrm{v}_{\mathrm{t}}(\mathrm{s})$ gives the unit value added of an L level graduate as shown below:
$v_{1}=\sum_{s} \alpha_{s} v_{1}(\mathrm{~s})$.
For a total number of graduates of level $L, N_{L}$, with labor force participation rate of $l_{p}$ and employment ratio of $\mathrm{l}_{\mathrm{e}}$, total contribution of education intervention of BRAC, $\mathrm{V}(\mathrm{E})$, is estimated by
$V(E)=\sum_{L} N_{L} V_{1} l_{p} l_{c}$.

## c) Contribution of health intervention

The contribution of BRAC's health intervention to GDP, V (H), is given by (a) value of the annual number of days saved $\left(d_{1}\right)$ of working adults which would otherwise have been lost due to illness $\left(V_{1}=v_{1} d_{1}\right)$, (b) value of the annual number of days saved $\left(d_{2}\right)$ of working adults which would otherwise have been lost due to care of the sick $\left(V_{2}=v_{2} d_{2}\right)$, and (c) incremental value added by health care beneficiaries due to improved health care $\left(V_{3}\right)$, less total health care costs incurred by BRAC $\left(C_{h}\right) . V_{3}$ has been omitted since empirical work on the relationship between health and productivity is not firmly established in the Bangladesh context. Thus,
$V(H)=\left(V_{1}+V_{2}\right)-C_{h}$.
Where
$\mathrm{V}_{1}=\mathrm{v}_{1} \mathrm{~d}_{1}$ and $\mathrm{V}_{2}=\mathrm{v}_{2} \mathrm{~d}_{2}$.

## Sources of data

Data on components of BRAC's direct contribution and input supply to BRAC have been collected from BRAC audit reports (2-4). Information on the amount of loan disbursed to different sectors and number of persons received skill training were collected from RDPMIS. Sectoral value added coefficients were taken from An Input-Output Table for Bangladesh Economy prepared by BIDS (5). The coefficients $a, c, k$, and $v_{\mathrm{t}}$ (unit value added of a person receiving skill training) have been estimated based on Microenterprise Profiles contained in the $A D B(7)$ and discussion with BRAC's RDP personnel. Income from alternative sources in the absence of BRAC loan was taken a Grameen Bank study (1). Data on number of patients treated in the BRAC heath centres and cost per patient have been collected from BRAC's HNPP office. Value of the annual number of days saved of working adults which would otherwise have been lost due to illness was taken from a recent BRAC study (6).

## FINDINGS

GDP is equal to total income earned domestically and is also equal to total spending. In this study some components of BRAC's contribution to GDP (net profit or net interest, for example) have been estimated based on income method while some others (value added in linked sectors due to input supply to BRAC or that due to loan disbursed by BRAC, for example) based on expenditure method. Findings on BRAC's contribution to GDP are presented in Table 1.

Table 1. Contribution of BRAC to GDP of Bangladesh

| Items | 1995 | 1996 | 1997 | 1998 |
| :---: | :---: | :---: | :---: | :---: |
| Direct Contribution (Value added in BRAC) | 1,492,504,030 | 1,948,726,219 | 2,313,090,986 | 3,144,043,428 |
| Value added in linked sectors due to input supply to BRAC | 464,840,679 | 405,306,268 | 516,309,411 | 671,717,244 |
| Value added in linked sectors due to BRAC loan |  |  |  |  |
| 1. Capital supplying sector | 909,885,386 | 1,159,446,867 | 1,551,571,053 | 1,926,550,056 |
| 2. Input supplying sector | 1,093,348,009 | 1,570,855,525 | 2,132,243,230 | 2,538,678,413 |
| Wage payment from loan | 443,307,937 | 565,761,252 | 724,901,682 | 910,341,625 |
| Return on loan-financed activities at $48 \%$ | 1,770,692,509 | 2,450,528,763 | 3,306,722,048 | 4,003,945,390 |
|  |  |  |  |  |
| Value added due to skill development training | 2,040,692,780 | 2,252,037,340 | 2,720,997,300 | 4,248,248,760 |
| Value added due to health intervention | NA | 126,419,458 | 292,131,137 | 326,803,562 |
| Total contribution of BRAC to GDP of Bangladesh | 8,215,271,330 | 10,479,081,692 | 13,557,966,847 | 17,770,328,478 |
| Total GDP of Bangladesh (In million Tk.) | 1,170,261 | 1,301,600 | 1,403,045 | 1,548,334 |
| \% contribution of BRAC to GDP of Bangladesh | 0.702 | 0.805 | 0.966 | 1.148 |

BRAC contributed Tk. 8,215.3 million, Tk. 10,479.1 million, Tk. 13,558 million and Tk. 17,770.3 million to the GDP of Bangladesh in 1995, 1996, 1997 and 1998 respectively. In 1995 BRAC's share to the GDP was $0.7 \%$, while it increased to $1.15 \%$ in 1998. This shows that output of BRAC increased faster than GDP of Bangladesh. During the period output of BRAC increased, on average, at $29.1 \%$ annually. It may be mentioned that the share of Grameen Bank to GDP of Bangladesh was estimated at $1.1 \%$ in 1996 (1) which increased at a slower rate than the GDP of the country.

BRAC's direct contribution to the GDP was Tk. 1,492.5 million, Tk. 1,948.7 million, Tk . 2,313.1 million and Tk. 3,144 million in 1995, 1996, 1997 and 1998 respectively (Annex Table 1).

Capital supplying sectors contributed Tk. 909.9 million, Tk. 1,159.4 million, Tk. 1,551.6 million and Tk. 1,926.6 million in 1995, 1996, 1997 and 1998 respectively (Annex Table 3 through 8). The contribution from input supplying sector was Tk. 1,093.3 million, Tk. $1,570.9$ million, Tk. 2,132.2 million and Tk. 2,538.7 million respectively (Annex Table 3,4 , and 9 through 11).

Value added in linked sectors due to input supply to BRAC were Tk .464 .8 million, Tk . 405.3 million, Tk. 516.3 million and Tk. 671.7 million in 1995, 1996, 1997 and 1998 respectively (Annex Table 2).

The annual weighted average return on loan financed activities is estimated to be $72 \%$. One-third of the above has been deducted to account for income from alternative sources in the absence of BRAC loan. Thus, the net rate of return was calculated at $48 \%$. At this rate the return from loan-financed activities is estimated at Tk . $1,770.7$ million, Tk . 2,450.5 million, Tk. 3,306.7 million, and Tk. 4,003.9 million in 1995, 1996, 1997 and 1998 respectively (Annex Table 12).

Weighted average of the difference in monthly income of those with and without BRAC's skill training is estimated to be Tk. 1,010. Average cost of training per person is Tk. 500. At this rate annual contribution of skill training is estimated at Tk. 2,040.7 million, Tk. 2,252 million, Tk. 2,721 million, and Tk. 4,248.2 million in 1995, 1996, 1997 and 1998 respectively (Number of persons received skill training and got themselves involved in income generating activities were $175,619,193,807,234,165$ and 365,598 in 1995, 1996, 1997 and 1998 respectively).

Value of the annual number of days (8 hours a day) saved of working adults which would otherwise have been lost due to illness is estimated to be Tk. 1990. Value of the annual
number of days saved of working adults which would otherwise have been lost due to care of the sick is estimated to be Tk. 497.5 (2 hours a day). At this rate value added due to BRAC's health intervention is estimated at Tk. 126.4 million, Tk. 292.1 million, and Tk. 326.8 in 1996, 1997 and 1998 respectively (Annex Table 13).

Estimating the contribution of BRAC's education programme was not possible since data on the sectoral wage differential of the BRAC graduate and those without any education was not available.

## LIMITATIONS

The estimation of BRAC's contribution to GDP in the present study is not beyond criticism since the methodology is still in its preliminary stage. It is expected that further studies will improve both the methodology and the authenticity of the estimate.

For more accurate estimation data quality needs to be improved. For example, all the sectors which supply input to BRAC and where BRAC disburses loan, need to be specified as much as possible. That will help calculate weighted average of the sectoral value added coefficient more accurately. An MIS system with all the programme information in detail is required. Some data such as the potential earnings of a beneficiary who received training from BRAC, was collected from BRAC programme. Such information would be more acceptable to the researchers and other people outside BRAC if that could be known from past research.

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## ANNEX

Table 1. Direct Contribution of BRAC to GDP of Bangladesh 1995-1998 (Taka)

| Item | 1995 | 1996 | 1997 | 1998 |
| :--- | ---: | ---: | ---: | ---: |
| Wages and salaries | $835,216,777$ | $942,338,409$ | $1,158,407,013$ | $1,409,784,188$ |
| Net interest | $408,933,648$ | $703,590,640$ | $888,094,100$ | $1,184,840,133$ |
| Net profit | $199,259,305$ | $223,920,934$ | $164,964,943$ | $395,252,453$ |
| Provision for depreciation | $49,094,300$ | $78,876,236$ | $101,624,930$ | $154,166,654$ |
| Total | $1,492,504,030$ | $1,948,726,219$ | $2,313,090,986$ | $3,144,043,428$ |

Table 1-a. Calculation of net interest

| Item | 1995 | 1996 | 1997 | 1998 |
| :---: | :---: | :---: | :---: | :---: |
| Interest income |  |  |  |  |
| Loan to VO members | 390,418,578 | 694,708,869 | 888,359,541 | 1,237,919,305 |
| Bank accounts, fixed deposits and PSPs | 52,763,110 | 59,470,831 | 103,107,047 | 131,231,348 |
| Project/ companies | 39,178,924 | 20,461,067 | ------ | ------ |
| Sub-total (a) | 482,360,612 | 774,640,767 | 991,466,588 | 1,369,150,653 |
| Interest expenses |  |  |  |  |
| Deposit of VO members | 28,123,936 | 48,531,602 | 71,853,236 | 100,803,842 |
| Long term loans | 41,573,309 | 35,702,635 | 24,415,704 | 55,203,679 |
| Bank overdraft interest and charges | 3,729,719 | 6,815,890 | 7,103,548 | 28,302,999 |
| Sub-total (b) | 73,426,964 | 71,050,127 | 103,372,488 | 184,310,520 |
| Net interest (a-b) | 408,933,648 | 703,590,640 | 888,094,100 | 1,184,840,133 |

Table 1-b. Calculation of net profit

| Item | 1995 | 1996 | 1997 | 1998 |
| :--- | ---: | ---: | ---: | ---: |
| a) Revenue from sales of <br> commercial ventures | $526,124,971$ | $557,918,171$ | $643,303,809$ | $847,403,538$ |
| b) Cost of sales of <br> commercial ventures | $390,934,340$ | $404,577,212$ | $474,786,704$ | $652,340,412$ |
| c) Income from investment <br> in related companies | $6,875,000$ | $3,750,000$ | $3,249,987$ | $11,539,798$ |
| d) Other income* | $57,193,674$ | $66,829,975$ | $109,912,412$ | $171,821,797$ |
| e) Loss on investment | 0 | 0 | $116,714,561$ | $10,172,268$ |
| Net profit (a-b+c+d-e) | $199,259,305$ | $223,920,934$ | $164,964,943$ | $395,252,453$ |

* Include service charges, sectoral income, rental income, gain on sale of assets and others.

Table-2.1. Value added in linked sectors due to Input Supply to BRAC (Taka) 1995-1996

| Expenses | Sector | Input supply (1995) | Input supply (1996) | Value added coefficient | Value added (1995) | Value added (1996) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Travelling and transport | Transport service | 98,936,459 | 108,127,135 | 0.6625 | 65,545,404 | 71,634,227 |
| Training | Professional service | 196,552,619 | 147,551,723 | 0.5729 | 112,604,995 | 84,532,382 |
| School rent and maintenance | Rural building | 61,536,694 | 66,078,804 | 0.5714 | 35,162,067 | 37,757,429 |
| Stationary, rent and utilities | Printing and publishing | 85,390,870 | 120,154,399 | 0.4296 | 36,683,918 | 51,618,330 |
| Maintenance and general expenses | Communication | 38,366,079 | 42,033,473 | 0.8222 | 31,544,590 | 34,559,922 |
| Program supplies | Printing and publishing | 420,983,476 | 281,041,624 | 0.4296 | 180,854,501 | 120,735,482 |
| Publicity, advertisement and sales commission | Professional service | ---. | ---- | 0.5729 |  | ---. |
| Bank charges | Banking and insurance | 3,729,719 | 6,815,890 | 0.6556 | 2,445,204 | 4,468,497 |
| Total |  |  |  |  | 464,840,679 | 405,306,268 |

Table-2.2. Value added in linked sectors due to Input Supply to BRAC (Taka) 1997-1998

| Expenses | Sector | Input supply (1997) | $\begin{gathered} \hline \text { Input supply } \\ (1998) \end{gathered}$ | Value added coefficient | Value added (1997) | Value added (1998) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Travelling and transport | Transport service | 108,127,135 | 192,352,866 | 0.6625 | 98,883,459 | 127,433,774 |
| Training | Professional service | 147,551,723 | 223,360,413 | 0.5729 | 106,005,653 | 127,963,181 |
| School rent and maintenance | Rural building | 66,078,804 | 82,529,347 | 0.5714 | 44,005,363 | 47,157,269 |
| Stationary, rent and utilities | Printing and publishing | 120,154,399 | 161,189,798 | 0.4296 | 61,425,510 | 69,247,137 |
| Maintenance and general expenses | Communication | 42,033,473 | 78,996,259 | 0.8222 | 42,522,267 | 64,950,724 |
| Program supplies | Printing and publishing | 281,041,624 | 483,228,404 | 0.4296 | 156,528,979 | 207,594,922 |
| Publicity, advertisement and sales commission | Professional service | -.-. | 15,386,265 | 0.5729 | 2,281,094 | 8,814,791 |
| Bank charges | Banking and insurance | 6,815,890 | 28,302,999 | 0.6556 | 4,657,086 | 18,555,446 |
| Total |  |  |  |  | 516,309,411 | 671,717,244 |

Table 3. Percentage allocation of loan to various sectors by use (capital, intermediate inputs and labour)

| Sector | \% allocation |  |  |
| :--- | :---: | :---: | :---: |
|  | Capital | Intermediate inputs | Labour |
| Agriculture | 30 | 51 | 19 |
| Fisheries | 38 | 36 | 26 |
| Poultry and livestock | 25 | 65 | 10 |
| Sericulture | 54 | 24 | 22 |
| Collage industry | 15 | 66 | 19 |
| Rural transport | 63 | 14 | 23 |
| Rural trading | 16 | 79 | 5 |
| Food processing | 18 | 65 | 17 |
| Housing | 90 | 00 | 10 |

Table 4.1. Allocation of loan to various sectors by use (Taka) 1995-1996

| Sector | 1995 |  |  | 1996 |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
|  | Capital | Intermediate inputs | Labour | Capital | Intermediate inputs | Labour |
| Agriculture | $135,549,175$ | $230,433,598$ | $85,847,811$ | $172,992,648$ | $294,087,502$ | $109,562,010$ |
| Fisheries | $53,959,463$ | $51,119,491$ | $36,919,632$ | $81,908,088$ | $77,597,136$ | $56,042,376$ |
| Poultry and livestock | $218,621,067$ | $568,414,773$ | $87,448,427$ | $250,620,413$ | $651,613,073$ | $100,248,165$ |
| Sericulture | $29,148,543$ | $12,954,908$ | $11,875,332$ | $6,758,289$ | $3,003,684$ | $2,753,377$ |
| Collage industry | $8,567,982$ | $37,699,123$ | $10,852,778$ | $8,855,336$ | $38,963,476$ | $11,216,758$ |
| Rural transport | $82,550,790$ | $18,344,620$ | $30,137,590$ | $105,866,059$ | $23,525,791$ | $38,649,514$ |
| Rural trading | $201,602,620$ | $995,412,935$ | $63,000,819$ | $363,126,092$ | $1,792,935,080$ | $113,476,904$ |
| Food processing | $116,684,802$ | $421,361,785$ | $110,202,313$ | $137,996,997$ | $498,322,490$ | $130,330,497$ |
| Housing | $63,209,115$ | 00 | $7,023,235$ | $31,334,850$ |  | 00 |

Table 4.2. Allocation of loan to various sectors by use (Taka) 1997-1998

| Sector | 1997 |  |  |  | 1998 |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
|  | Capital | Intermediate inputs | Labour | Capital | Intermediate inputs | Labour |
| Agriculture | $193,053,902$ | $328,191,634$ | $122,267,472$ | $357,040,485$ | $606,968,825$ | $226,125,641$ |
| Fisheries | $118,996,620$ | $112,733,640$ | $81,418,740$ | $197,356,420$ | $186,969,240$ | $135,033,340$ |
| Poultry and livestock | $390,325,285$ | $1,014,845,740$ | $156,130,114$ | $427,176,350$ | $1,110,658,510$ | $170,870,540$ |
| Sericulture | $7,329,420$ | $3,257,520$ | $2,986,060$ | $8,462,880$ | $3,761,280$ | $3,447,840$ |
| Collage industry | $9,338,925$ | $41,091,270$ | $11,829,305$ | $6,831,675$ | $30,059,370$ | $8,653,455$ |
| Rural transport | $116,653,005$ | $25,922,890$ | $42,587,605$ | $91,718,235$ | $20,381,830$ | $33,484,435$ |
| Rural trading | $516,104,912$ | $2,548,268,003$ | $161,282,785$ | $616,878,703$ | $3,045,838,597$ | $192,774,595$ |
| Food processing | $149,041,696$ | $538,206,123$ | $140,761,601$ | $138,460,410$ | $499,995,925$ | $130,768,165$ |
| Housing | $50,742,000$ | 00 | $5,638,000$ | $82,652,535$ |  | 00 |

Table 5. Percentage allocation of loan financed capital expenses by supplying sector

| Capital <br> Supplying sector | \% allocation of capital |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Agriculture | Fisheries | Poultry <br> livestock and | Sericulture | Cottage industry | Rural transport | Rural trading | Food processing | Housing |
| Wooden furniture | 00 | 00 | 00 | 22 | 5 | 15 | 12 | 12 | 56 |
| Metal products | 7 | 17 | 00 | 00 | 7 | 52 | 38 | 8 | 44 |
| Machinery | 51 | 00 | 00 | 00 | 75 | 33 | 00 | 00 | 00 |
| Transport equipment | 00 | 3 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| Rural building | 00 | 00 | 75 | 48 | 13 | 00 | 50 | 80 | 00 |
| Other construction | 42 | 80 | 25 | 30 | 00 | 00 | 00 | 00 | 00 |

Table 6.1. Allocation of loan-financed capital expenses by supplying sector (Taka) 1995

| Capital Supplying sector | Capital expenses (Taka) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Agriculture | Fisheries | Poultry and livestock | Sericultur e | Cottage industry | Rural transport | Rural trading | Food processing | Housing | Total |
| Wooden furniture |  |  |  | 6,412,679 | 428,399 | $\begin{array}{r} 12,382,61 \\ 9 \end{array}$ | 24,192,314 | 14,002,176 | $\begin{array}{r} \hline 35,397,10 \\ 4 \\ \hline \end{array}$ | 92,815,292 |
| Metal products | 9,488,442 | 9,173,109 |  |  | 599,759 | $42,926,41$ | 76,608,996 | 9,334,784 | $27,812,01$ | 175,943,511 |
| Machinery | 69,130,079 |  |  |  | 6,425,987 | $\begin{array}{r} 27,241,76 \\ 1 \end{array}$ |  |  |  | 102,797,827 |
| Transport equipment |  | 1,618,784 |  |  |  |  |  |  |  | 1,618,784 |
| Rural building |  |  | 163,965,800 | $\begin{array}{r} 13,991,30 \\ 1 \end{array}$ | 1,113,838 |  | 100,801,310 | 93,347,842 |  | 373,220,090 |
| Other construction | 56,930,654 | $\begin{array}{r} 43,167,57 \\ 0 \end{array}$ | 54,655,267 | 8,744,563 |  |  |  |  |  | 163,498,053 |

Table 6.2. Allocation of loan-financed capital expenses by supplying sector (Taka) 1996

| Capital <br> Supplying sector | Capital expenses (Taka) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Agriculture | Fisheries | Poultry and livestock | Sericultur <br> e | Cottage industry | $\begin{gathered} \text { Rural } \\ \text { transport } \end{gathered}$ | Rural trading | Food processing | Housing | Total |
| Wooden furniture |  |  |  | 1,486,824 | 442,767 | 15,879,909 | 43,575,131 | 16,559,640 | $\begin{array}{r} 17,547,51 \\ 6 \end{array}$ | 95,491,786 |
| Metal products | 12,109,485 | $13,924,37{ }_{5}$ |  |  | 619,874 | 55,050,351 | 137,987,915 | 11,039,760 | $\begin{array}{r} 13,787,33_{4} \end{array}$ | 244,519,093 |
| Machinery | 88,226,250 |  |  |  | 6,641,502 | 34,935,800 |  |  |  | 129,803,552 |
| Transport equipment |  | 2,457,243 |  |  |  |  |  |  |  | 2,457,243 |
| Rural building |  |  | 187,965,310 | 3,243,979 | 1,151,194 |  | 181,563,046 | 110,397,598 |  | 484,321,126 |
| Other construction | 72,656,912 | $\begin{array}{r} \hline 6,552,647 \\ 0 \\ \hline \end{array}$ | 62,655,103 | 2,027,487 |  |  |  |  |  | 202,865,972 |

Table 6.3. Allocation of loan financed capital expenses by supplying sector (Taka) 1997

| Capital <br> Supplying <br> sector | Capital expenses (Taka) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Agriculture | Fisheries | Poultry and livestock | $\begin{array}{\|c} \hline \text { Sericultur } \\ \mathrm{e} \end{array}$ | Cottage industry | Rural transport | Rural trading | Food processing | Housing | Total |
| Wooden furniture |  |  |  | 1,612,472 | 466,946 | 17,497,951 | 61,932,589 | 1,788,5004 | $\begin{array}{r} 28,415,52 \\ 0 \end{array}$ | 127,810,482 |
| Metal products | 13,513,773 | 20,229,425 |  |  | 653,725 | 60,659,563 | 19,611,9867 | 11,923,336 | $\begin{array}{r} 22,326,48 \\ 0 \end{array}$ | 325,426,168 |
| Machinery | 98,457,490 |  |  |  | 7,004,194 | 38,495,492 |  |  |  | 143,957,176 |
| Transport equipment |  | 3,569,899 |  |  |  |  |  |  |  | 3,569,899 |
| Rural building |  |  | 292,743,963 | 3,518,122 | 1,214,060 |  | 25,805,2456 | 11,923,3357 |  | 674,761,958 |
| Other construction | 81,082,639 | 95,197,296 | 97,581,321 | 2,198,826 |  |  |  |  |  | 276,060,082 |

Table 6.4. Allocation of loan financed capital expenses by supplying sector (Taka) 1998

| Capital | Capital expenses (Taka) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Supplying sector | Agriculture | Fisheries | Poultry and livestock | Sericultur <br> e | Cottage industry | Rural transport | Rural trading | Food processing | Housing | Total |
| Wooden furniture |  |  |  | 1,861,834 | 341,584 | 13,757,735 | 74,025,444 | 16,615,249 | 46,285,420 | $\begin{aligned} & 152,887,26 \\ & 6 \\ & \hline \end{aligned}$ |
| Metal products | 24,992,834 | 33,550,591 |  |  | 478,217 | 47,693,482 | $\begin{aligned} & 234,413,90 \\ & 7 \end{aligned}$ | 11,076,833 | 36,367,115 | $\begin{aligned} & 388,572,98 \\ & 0 \end{aligned}$ |
| Machinery | 182,090,647 |  |  |  | 5,123,756 | 30,267,018 |  |  |  | $\begin{aligned} & 217,481,42 \\ & 1 \end{aligned}$ |
| Transport equipment |  | 5,920,693 |  |  |  |  |  |  |  | 5,920,693 |
| Rural building |  |  | 320,382,263 | 4,062,182 | 888,118 |  | $\begin{aligned} & 308,439,35 \\ & 2 \end{aligned}$ | 110,768,328 |  | $\begin{aligned} & 744,540,24 \\ & 2 \end{aligned}$ |
| Other construction | 149,957,004 | 157,885,136 | 106,794,088 | 2,538,864 |  |  |  |  |  | $\begin{aligned} & \hline 417,175,09 \\ & 1 \\ & \hline \end{aligned}$ |

Table 7. Leontiff inverse matrix for Bangladesh economy

| Sectors | Wooden Furniture | Fabricated Metal products | Machinery | Transport equipment | Rural building | Other construction |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Paddy | 0.000130 | 0.000140 | 0.000238 | 0.000096 | 0.000104 | 0.000205 |
| Wheat | 0.000695 | 0.000611 | 0.001030 | 0.000414 | 0.000530 | 0.000898 |
| Other grains | 0.000002 | 0.000003 | 0.000007 | 0.000003 | 0.000002 | 0.000005 |
| Jute | 0.000700 | 0.000325 | 0.000319 | 0.000160 | 0.001005 | 0.000381 |
| Sugarcane | 0.000370 | 0.000308 | 0.000434 | 0.000196 | 0.000263 | 0.000460 |
| Potato | 0.000007 | 0.000010 | 0.000024 | 0.000009 | 0.000005 | 0.000018 |
| Vegetables | 0.000012 | 0.000020 | 0.000048 | 0.000019 | 0.000010 | 0.000035 |
| Pulses | 0.000031 | 0.000040 | 0.000080 | 0.000032 | 0.000025 | 0.000064 |
| Oilseeds | 0.000500 | 0.000487 | 0.000980 | 0.000355 | 0.000317 | 0.000717 |
| Fruits | 0.000006 | 0.000008 | 0.000018 | 0.000007 | 0.000004 | 0.000013 |
| Cotton | 0.000929 | 0.000553 | 0.001096 | 0.000393 | 0.000267 | 0.001058 |
| Tobacco | 0.000002 | 0.000001 | 0.000002 | 0.000001 | 0.000001 | 0.000006 |
| Tea | 0.000002 | 0.000003 | 0.000007 | 0.000003 | 0.000001 | 0.000005 |
| Major species | 0.000054 | 0.000063 | 0.000120 | 0.000049 | 0.000044 | 0.000099 |
| Other crops | 0.000022 | 0.000024 | 0.000040 | 0.000016 | 0.000016 | 0.000283 |
| Livestock | 0.000531 | 0.000491 | 0.000845 | 0.000342 | 0.000426 | 0.000757 |
| Poultry | 0.000060 | 0.000091 | 0.000196 | 0.000077 | 0.000049 | 0.000148 |
| Shrimp | 0.000004 | 0.000007 | 0.000018 | 0.000007 | 0.000003 | 0.000013 |
| Other fish | 0.000034 | 0.000060 | 0.000141 | 0.000055 | 0.000028 | 0.000103 |
| Forestry | 0.241310 | 0.012387 | 0.026168 | 0.015408 | 0.156660 | 0.017157 |
| Rice milling | 0.000042 | 0.000054 | 0.000113 | 0.000045 | 0.000034 | 0.000089 |
| Ata and flour milling | 0.000867 | 0.000780 | 0.001343 | 0.000535 | 0.000670 | 0.001155 |
| Fish and sea food processing | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Edible oil | 0.000791 | 0.000756 | 0.001402 | 0.000537 | 0.000549 | 0.001105 |
| Sugar and gur | 0.000777 | 0.000648 | 0.000912 | 0.000412 | 0.000552 | 0.000967 |
| Tea (processing and blending) | 0.000005 | 0.000010 | 0.000023 | 0.000009 | 0.000004 | 0.000016 |
| Salt | 0.001525 | 0.000828 | 0.001139 | 0.000592 | 0.001290 | 0.000941 |
| Other food | 0.003899 | 0.003364 | 0.004633 | 0.002036 | 0.003222 | 0.004627 |
| Tanning and leather finishing | 0.000018 | 0.000023 | 0.000025 | 0.000012 | 0.000014 | 0.000026 |
| Leather products | 0.000031 | 0.000063 | 0.000062 | 0.000028 | 0.000036 | 0.000052 |
| Jute bailing | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Jute textile | 0.000819 | 0.000774 | 0.000735 | 0.000364 | 0.000669 | 0.000874 |
| Yarn | 0.001395 | 0.000999 | 0.001986 | 0.000710 | 0.000480 | 0.001913 |
| Mill cloth | 0.002387 | 0.001707 | 0.003431 | 0.001212 | 0.000784 | 0.003059 |
| Handloom cloth | 0.000000 | 0.000001 | 0.000002 | 0.000001 | 0.000000 | 0.000001 |
| Dyeing and bleaching | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Readymade garments | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Knitting and hosiery | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

Table 7 continued.....

Table 7 continued.....

| Sectors | Wooden <br> Furniture | Fabricated <br> Metal products | Machinery | Transport <br> equipment | Rural <br> building | Other <br> construction |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Other textiles | 0.000006 | 0.000006 | 0.000015 | 0.000005 | 0.000007 | 0.000011 |
| Cigarettes | 0.000011 | 0.000007 | 0.000012 | 0.000005 | 0.000009 | 0.000037 |
| Bidi | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Saw and planning <br> mills | 0.535363 | 0.002416 | 0.003384 | 0.011445 | 0.001127 | 0.003021 |
| Wooden furniture | 1.002802 | 0.000537 | 0.000751 | 0.000398 | 0.000762 | 0.001400 |
| Pulp, paper and <br> board | 0.160039 | 0.011431 | 0.024383 | 0.015239 | 0.005710 | 0.017928 |
| Printing and <br> publishing | 0.037469 | 0.018772 | 0.040550 | 0.041836 | 0.005999 | 0.025471 |
| Drugs and <br> pharmaceuticals | 0.000313 | 0.000683 | 0.001026 | 0.000384 | 0.000242 | 0.001403 |
| Fertilizer |  |  |  |  |  |  |

Table 7 continued.....

Table 8. Value added in linked sectors due to increase in capital expenses by loan receiving sectors (Taka)

| Sectors | Total output in different years |  |  |  | Value | Value added in different years |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1995 | 1996 | 1997 | 1998 |  | 1995 | 1996 | 1997 | 1998 |
| Paddy | 133,651 | 169,733 | 223,547 | 289,558 | 0.5474 | 73,161 | 92,912 | 122,370 | 158,504 |
| Wheat | 623,188 | 789,347 | 1,042,943 | 1,339,361 | 0.4242 | 264,356 | 334,841 | 442,417 | 568,157 |
| Other grains | 3,002 | 3,824 | 4,980 | 6,587 | 0.6263 | 1,880 | 2,395 | 3,119 | 4,125 |
| Jute | 592,583 | 752,148 | 1,025,039 | 1,210,838 | 0.5400 | 319,995 | 406,160 | 553,521 | 653,852 |
| Sugarcane | 306,830 | 388,155 | 515,148 | 659,511 | 0.5042 | 154,704 | 195,708 | 259,738 | 332,525 |
| Potato | 9,700 | 12,324 | 15,979 | 21,461 | 0.5330 | 5,170 | 6,569 | 8,517 | 11,439 |
| Vegetables | 19,052 | 24,257 | 31,430 | 42,204 | 0.5025 | 9,574 | 12,189 | 15,793 | 21,208 |
| Pulses | 37,985 | 48,295 | 63,147 | 83,183 | 0.6158 | 2,3391 | 29,740 | 38,886 | 51,224 |
| Oilseeds | 468,948 | 593,891 | 776,568 | 1,016,046 | 0.4673 | 219,139 | 277,525 | 362,890 | 474,798 |
| Fruits | 7,444 | 9,457 | 12,274 | 16,383 | 0.6671 | 4,966 | 6,309 | 8,188 | 10,929 |
| Cotton | 569,455 | 711,107 | 930,110 | 1,237,763 | 0.5412 | 308,189 | 384,851 | 503,375 | 669,877 |
| Tobacco | 1,923 | 2,399 | 3,204 | 4,383 | 0.4576 | 880 | 1,098 | 1,466 | 2,006 |
| Tea | 2,629 | 3,339 | 4,306 | 5,842 | 0.6442 | 1,693 | 2,151 | 2,774 | 3,763 |
| Major species | 61,120 | 77,652 | 101,873 | 133,184 | 0.5945 | 36,336 | 46,164 | 60,563 | 79,178 |
| Other crops | 62,644 | 78,361 | 105,359 | 151,456 | 0.5077 | 31,804 | 39,784 | 53,491 | 76,894 |
| Livestock | 505,851 | 641,180 | 846,942 | 1,090,745 | 0.5245 | 265,319 | 336,299 | 444,221 | 572,096 |
| Poultry | 84,338 | 107,367 | 139,693 | 185,840 | 0.4428 | 37,345 | 47,542 | 61,856 | 82,290 |
| Shrimp | 6,710 | 8,537 | 11,019 | 14,945 | 0.4629 | 3,106 | 3,952 | 5,100 | 6,918 |
| Other fish | 55,586 | 70,812 | 91,693 | 123,319 | 0.4828 | 26,837 | 34,188 | 44,269 | 59,539 |
| Forestry | 88,565,422 | 108,860,861 | 149,139,649 | 171,285,907 | 0.4376 | 38,756,228 | 47,637,513 | 65,263,510 | 74,954,713 |
| Rice milling | 52,329 | 66,515 | 86,880 | 114,689 | 0.1526 | 7,985 | 10,150 | 13,258 | 17,502 |
| Ata and flour milling | 795,528 | 1,007,962 | 1,330,828 | 1,711,565 | 0.2181 | 173,505 | 219,837 | 290,254 | 373,292 |
| Fish and sea food processing | 00 | 00 | 00 | 00 | 0.2717 | 00 | 00 | 00 | 00 |
| Edible oil | 736,985 | 933,754 | 1,226,356 | 1,592,514 | 0.2039 | 150,271 | 190,392 | 250,054 | 324,714 |

Table 8 continued.....

Table 8 continued.....

| Sectors | Total output in different years |  |  |  | Value | Value added in different years |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1995 | 1996 | 1997 | 1998 |  | 1995 | 1996 | 1997 | 1998 |
| Sugar and gur | 644,668 | 815,555 | 1,082,363 | 1,385,766 | 0.1988 | 128,160 | 162,132 | 215,174 | 275,490 |
| Tea (processing and blending) | 8,711 | 11,113 | 14,352 | 19,358 | 0.3791 | 3,302 | 4,213 | 5,441 | 7,339 |
| Salt | 1,040,575 | 1,313,059 | 1,760,660 | 2,159,127 | 0.8890 | 925,071 | 1,167,309 | 1,565,227 | 1,919,464 |
| Other food | 3,392,340 | 4,300,411 | 5,718,702 | 7,252,091 | 0.2650 | 898,970 | 1,139,609 | 1,515,456 | 1,921,804 |
| Tanning and leather finishing | 17,783 | 22,672 | 30,051 | 38,467 | 0.1158 | 2,059 | 2,625 | 3,480 | 4,455 |
| Leather products | 42,318 | 54,466 | 72,136 | 91,366 | 0.3057 | 12,937 | 16,650 | 22,052 | 27,931 |
| Jute bailing | 00 | 00 | 00 | 00 | 0.1263 | 00 | 00 | 00 | 00 |
| Jute textile | 680,923 | 865,081 | 1,156,357 | 1,450,683 | 0.2020 | 137,546 | 174,746 | 233,584 | 293,038 |
| Yam | 1,002,468 | 1,257,577 | 1,643,819 | 2,193,019 | 0.2536 | 254,226 | 318,921 | 416,872 | 556,150 |
| Mill cloth | 1,669,292 | 2,093,942 | 2,732,311 | 3,641,449 | 0.2814 | 469,739 | 589,235 | 768,872 | 1,024,704 |
| Handloom cloth | 547 | 709 | 983 | 1,247 | 0.2020 | 109 | 142 | 179 | 250 |
| Dyeing and bleaching | 00 | 00 | 00 | 00 | 0.5082 | 00 | 00 | 00 | 00 |
| Readymade garments | 00 | 00 | 00 | 00 | 0.1872 | 00 | 00 | 00 | 00 |
| Knitting and hosiery | 00 | 00 | 00 | 00 | 0.2001 | 00 | 00 | 00 | 00 |
| Other textiles | 7,574 | 9,621 | 12,657 | 16,341 | 0.3523 | 2,668 | 3,390 | 4,459 | 5,757 |
| Cigarettes | 12,903 | 16,197 | 21,716 | 29,177 | 0.4763 | 6,146 | 7,715 | 10,343 | 13,897 |
| Bidi | 00 | 00 | 00 | 00 | 0.5686 | 00 | 00 | 00 | 00 |
| Saw and planning mills | 51,395,894 | 53,339,594 | 71,333,676 | 85,692,080 | 0.4221 | 21,694,207 | 22,514,642 | 30,109,944 | 36,170,627 |
| Wooden furniture | 93,760,979 | 96,642,186 | 129,353,546 | 154,841,390 | 0.2231 | 20,749,305 | 21,386,916 | 28,625,940 | 34,266,400 |
| Pulp, paper and board | 24,458,745 | 27,682,408 | 36,541,214 | 46,033,218 | 0.2674 | 6,540,268 | 7,402,276 | 9,771,121 | 12,309,282 |

Table 8 continued.

Table 8 continued.....

| Sectors | Total output in different years |  |  |  | Value <br> added coefficient | Value added in different years |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1995 | 1996 | 1997 | 1998 |  | 1995 | 1996 | 1997 | 1998 |
| Printing and publishing | 17,420,089 | 21,607,071 | 27,964,068 | 37,181,758 | 0.4296 | 7,483,670 | 9,282,398 | 12,013,364 | 15,973,284 |
| Drugs and pharmaceuticals | 575,020 | 732,844 | 961,946 | 1,304,134 | 0.3221 | 185,214 | 236,049 | 309,843 | 420,062 |
| Fertilizer | 221,383 | 280,015 | 369,052 | 476,441 | 0.1222 | 27,053 | 34,218 | 45,098 | 58,221 |
| Other chemicals | 103,034,721 | 130,280,911 | 168,048,439 | 224,940,280 | 0.1971 | 19,854,791 | 25,105,132 | 32,382,934 | 43,345,992 |
| Petroleum products | 21,623,546 | 27,191,926 | 35,880,343 | 45,869,755 | 0.4277 | 9,248,391 | 11,629,987 | 15,346,023 | 19,618,494 |
| Pottery and earthenware | 5,438 | 6,886 | 9,139 | 11,678 | 0.3876 | 2,108 | 2,669 | 3,542 | 4,526 |
| China and ceramic | 24,468 | 30,938 | 40,095 | 54,231 | 0.3052 | 7,468 | 9,442 | 12,237 | 16,551 |
| Glass and glass products | 10,012,684 | 12,608,600 | 15,565,610 | 22,776,663 | 0.4274 | 4,279,421 | 5,388,916 | 6,652,742 | 9,734,746 |
| Brick, tiles and clay products | 19,598,824 | 25,331,483 | 35,068,124 | 40,106,545 | 0.4837 | 9,479,951 | 12,252,838 | 16,962,452 | 19,399,536 |
| Cement | 15,838,560 | 20,363,719 | 27,902,370 | 33,397,674 | 0.2169 | 3,435,384 | 4,416,891 | 6,052,024 | 7,243,955 |
| Iron and steel basic industry | 520,356,745 | 679,648,723 | 891,723,097 | $\begin{array}{r} 1,158,117,9 \\ 55 \\ \hline \end{array}$ | 0.1923 | 100,064,602 | 130,696,449 | 171,478,352 | 222,706,083 |
| Fabricated metal products | 216,336,585 | 296,982,648 | 393,828,628 | 477,209,356 | 0.4138 | 89,520,079 | 122,891,420 | 162,966,286 | 197,469,231 |
| Machinery | 265,434,592 | 334,014,580 | 411,240,188 | 605,295,676 | 0.1854 | 49,211,573 | 61,926,303 | 76,243,931 | 112,221,818 |
| Transport equipment | 12,841,479 | 16,769,581 | 22,291,390 | 30,700,343 | 0.5397 | 6,930,546 | 9,050,543 | 12,030,663 | 16,568,975 |
| Miscellaneous industries | 23,413,974 | 29,360,630 | 38,921,563 | 50,770,131 | 0.4797 | 11,030,323 | 13,831,793 | 18,335,948 | 23,917,809 |
| Urban building | 22,130,705 | 27,905,740 | 36,060,162 | 48,391,270 | 0.4062 | 8,989,492 | 11,335,312 | 14,647,638 | 19,656,534 |


| Sectors | Total output in different years |  |  |  | Value added coefficient | Value added in different years |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1995 | 1996 | 1997 | 1998 |  | 1995 | 1996 | 1997 | 1998 |
| Rural building | 375,246,218 | 486,838,938 | 678,099,180 | 748,698,283 | 0.5714 | 214,415,689 | 278,179,769 | 387,465,872 | 427,806,199 |
| Construction: <br> Electricity and gas | 00 | 00 | 00 | 00 | 0.2170 | 00 | 00 | 00 | 00 |
| Construction: <br> Rural road | 10,597 | 13,016 | 17,844 | 20,467 | 0.4212 | 4,464 | 5,482 | 7,516 | 8,621 |
| Construction: other transport | 29,703 | 34,674 | 46,259 | 57,395 | 0.3281 | 9,746 | 11,377 | 15,178 | 18,831 |
| Other construction | 163,716,508 | 203,145,949 | 276,427,553 | 417,648,083 | 0.2088 | 34,184,007 | 42,416,874 | 57,718,073 | 87,204,920 |
| Electricity | 23,036,782 | 29,252,256 | 38,255,655 | 49,501,983 | 0.6712 | 15,462,288 | 19,634,114 | 25,677,195 | 33,225,731 |
| Gas | 16,223,540 | 20,954,300 | 27,376,222 | 35,532,939 | 0.8998 | 14,597,942 | 18,854,679 | 24,633,124 | 31,972,539 |
| Mining and quarrying | 31,378,498 | 40,586,070 | 54,501,266 | 67,391,842 | 0.5057 | 15,868,106 | 20,524,376 | 27,561,290 | 34,080,054 |
| Trade service | 128,483,299 | 162,119,293 | 217,413,841 | 266,501,894 | 0.7585 | 97,454,582 | 122,967,484 | 164,908,398 | 202,141,687 |
| Transport service | 62,748,579 | 79,565,582 | 106,040,510 | 133,858,856 | 0.6625 | 41,570,934 | 52,712,198 | 70,251,838 | 88,681,492 |
| Housing service | 7,221,959 | 9,104,055 | 12,184,757 | 15,351,987 | 0.7536 | 5,442,468 | 6,860,816 | 9,182,433 | 11,569,258 |
| Health service | 939,093 | 1,219,268 | 1,578,360 | 2,099,236 | 0.5195 | 487,859 | 633,410 | 819,958 | 1,090,553 |
| Education service | 1,075,152 | 1,386,766 | 1,783,275 | 2,411,346 | 0.7026 | 755,402 | 974,342 | 1,252,929 | 1,694,211 |
| Public administration and defence | 17,366,895 | 21,816,832 | 29,245,793 | 40,740,492 | 0.6746 | 11,715,707 | 14,717,635 | 19,729,212 | 27,483,536 |
| Banking and insurance | 3,947,2471 | 50,392,018 | 64,716,512 | 87,524,171 | 0.6556 | 25,878,152 | 3,307,007 | 42,428,145 | 57,380,847 |
| Professing services | 13,326,872 | 16,595,644 | 22,442,915 | 33,399,381 | 0.5729 | 7,634,965 | 9,507,644 | 12,857,546 | 19,134,505 |
| Hotels and restaurants | 783,204 | 997,292 | 1,291,307 | 1,737,187 | 0.3099 | 242,715 | 309,061 | 400,176 | 538,354 |
| Communications | 11,359,252 | 14,363,640 | 18,365,982 | 25,280,156 | 0.8222 | 9,339,577 | 11,809,785 | 15,100,510 | 20,785,345 |
| Other services | 2,662,513 | 3,360,665 | 4,494,281 | 5,696,954 | 0.8902 | 2,370,169 | 2,991,664 | 4,000,809 | 5,071,428 |
| Total | 2,415,775,180 | 3,068,631,490 | 4,069,336,567 | 5,197,214,068 |  | 909,885,386 | 1,159,446,867 | 1,551,571,053 | 1,926,550,056 |

Table 9. Loan in sectors supplying intermediate inputs financed by loan proceeds (\%)

| Input supplying sectors | Agriculture | Fisheries | $\begin{aligned} & \text { Poultry and } \\ & \text { livestock } \end{aligned}$ | Sericulture | Cottage industry | $\begin{aligned} & \text { Rural } \\ & \text { transport } \end{aligned}$ | Rural trading | Food processing |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Paddy | 17 |  |  |  | 15 |  | 30 | 80 |
| Wheat |  |  | 7 |  |  |  |  |  |
| Other grain |  |  | 8 |  |  |  |  |  |
| Vegetables |  |  |  |  |  |  | 10 |  |
| Pulses |  |  |  |  |  |  | 3 |  |
| Fruits |  |  |  |  |  |  | 3 | 5 |
| Major spices |  |  |  |  |  |  | 4 |  |
| Edible oil |  |  |  |  |  |  | 6 |  |
| Tobacco |  |  |  |  |  |  | 4 |  |
| Bidi/cigarettes |  |  |  |  |  |  | 6 |  |
| Livestock | 23 |  | 40 |  |  |  | 2 |  |
| Poultry |  |  | 20 |  |  |  | 6 |  |
| Other fish |  | 45 |  |  |  |  | 2 |  |
| Forestry |  |  |  |  | 68 |  | 4 |  |
| Ata and flour milling |  |  | 10 |  |  |  |  |  |
| Sugar and gur |  |  |  |  |  |  | 1 | 15 |
| Salt |  |  |  |  |  |  | 1 |  |
| Other food |  |  |  |  |  |  | 10 |  |
| Mill cloth |  |  |  |  | 10 |  |  |  |
| Yam |  | 10 |  |  | 4 |  |  |  |
| Drugs and pharmaceuticals | 1 |  | 8 |  |  |  | 2 |  |
| Fertilizer | 15 | 40 |  | 20 |  |  | 6 |  |
| Other Chemicals | 7 | 5 |  | 20 |  |  |  |  |
| Petroleum products | 2 |  |  |  |  |  |  |  |
| Transport equipment |  |  |  |  |  | 75 |  |  |
| Machinery | 1 |  |  |  |  |  |  |  |
| Miscellaneous industries |  |  | 5 |  |  |  |  |  |
| Other construction | 1 |  |  | 5 |  |  |  |  |
| Electricity | 1 |  | 2 |  | 3 |  |  |  |
| Trade service | 27 |  |  |  |  |  |  |  |
| Transport service | 5 |  |  |  |  |  |  |  |
| Other service |  |  |  | 55 |  | 25 |  |  |

Table 10.1. Loan in sectors supplying intermediate inputs financed by loan proceeds (Taka) 1995

| Input supplying sectors | Agriculture | Fisheries | $\begin{array}{\|l\|l\|} \hline \begin{array}{l} \text { Poultry } \\ \text { livestock } \end{array} & \text { and } \\ \hline \end{array}$ | Sericulture | Cottage industry | Rural transport | Rural trading | Food processing |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Paddy | 39,173,712 |  |  |  | 5,654,868 |  | 298,623,881 | 337,089,428 |
| Wheat |  |  | 39,789,034 |  |  |  |  |  |
| Other grain |  |  | 45,473,182 |  |  |  |  |  |
| Vegetables |  |  |  |  |  |  | 99,541,294 |  |
| Pulses |  |  |  |  |  |  | 29,862,388 |  |
| Fruits |  |  |  |  |  |  | 29,862,388 | 21,068,089 |
| Major spices |  |  |  |  |  |  | 39,816,517 |  |
| Edible oil |  |  |  |  |  |  | 59,724,776 |  |
| Tobacco |  |  |  |  |  |  | 39,816,517 |  |
| Bidi/cigarettes |  |  |  |  |  |  | 59,724,776 |  |
| Livestock | 52,999,728 |  | 227,365,909 |  |  |  | 19,908,259 |  |
| Poultry |  |  | 113,682,955 |  |  |  | 59,724,776 |  |
| Other fish |  | 23,003,771 |  |  |  |  | 19,908,259 |  |
| Forestry |  |  |  |  | 25,635,403 |  | 39,816,517 |  |
| Ata and flour milling |  |  | 56,841,477 |  |  |  |  |  |
| Sugar and gur |  |  |  |  |  |  | 99,541,294 | 63,204,268 |
| Salt |  |  |  |  |  |  | 9,954,129 |  |
| Other food |  |  |  |  |  |  | 99,541,294 |  |
| Mill cloth |  |  |  |  | 3,769,912 |  |  |  |
| Yarn |  | 5,111,949 |  |  | 1,507,965 |  |  |  |
| Drugs and pharmaceuticals | 2,304,336 |  | 45,473,182 |  |  |  | 19,908,259 |  |
| Fertilizer | 34,565,040 | 20,447,796 |  | 2,590,982 |  |  | 59,724,776 |  |
| Other Chemicals | 16,130,352 | 2,555,975 |  | 2,590,982 |  |  |  |  |
| Petroleum products | 4,608,672 |  |  |  |  |  |  |  |

Table 10.1 continued....

Table 10.1 continued....

| Input supplying <br> sectors | Agriculture | Fisheries | Poultry and <br> livestock | Sericulture | Cottage <br> industry | Rural <br> transport | Rural trading | Food processing |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Transport <br> equipment |  |  |  |  |  | $13,758,465$ |  |  |
| Machinery | $2,304,336$ |  |  |  |  |  |  |  |
| Miscellaneous <br> industries |  |  | $28,420,739$ |  |  |  |  |  |
| Other <br> construction | $2,304,336$ |  |  | 647,745 |  |  |  |  |
| Electricity | $2,304,336$ |  | $11,368,295$ |  | $1,130,974$ |  |  |  |
| Trade service | $62,217,071$ |  |  |  |  |  |  |  |
| Transport <br> service | $11,521,680$ |  |  |  |  |  |  |  |
| Other service |  |  |  | $7,125,199$ |  | $4,586,155$ |  |  |

Table 10.2. Loan in sectors supplying intermediate inputs financed by loan proceeds (Taka) 1996

| Input supplying <br> sectors | Agriculture | Fisheries | Poultry and <br> livestock | Sericulture | Cottage <br> industry | Rural <br> transport | Rural trading | Food processing |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Paddy | $49,994,875$ |  |  |  | $5,844,521$ |  | $537,880,524$ | $398,657,992$ |
| Wheat |  |  | $45,612,915$ |  |  |  |  |  |
| Other grain |  |  | $52,129,046$ |  |  |  |  |  |
| Vegetables |  |  |  |  |  |  | $179,293,508$ |  |
| Pulses |  |  |  |  |  |  | $53,788,052$ |  |
| Fruits |  |  |  |  |  |  | $53,788,052$ | $24,916,125$ |
| Major spices |  |  |  |  |  |  | $71,717,403$ |  |
| Edible oil |  |  |  |  |  |  | $107,576,105$ |  |
| Tobacco |  |  |  |  |  |  | $71,717,403$ |  |
| Bidi/cigarettes |  |  |  |  |  |  | $107,576,105$ |  |
| Livestock | $67,640,125$ |  | $260,645,229$ |  |  |  | $35,858,702$ |  |

Table 10.2 continued....

Table 10.2 continued....

| Input supplying sectors | Agriculture | Fisheries | Poultry and livestock | Sericulture | Cottage industry | Rural transport | Rural trading | Food processing |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Poultry |  |  | 130,322,615 |  |  |  | 107,576,105 |  |
| Other fish |  | 34,918,711 |  |  |  |  | 35,858,702 |  |
| Forestry |  |  |  |  | 26,495,164 |  | 71,717,403 |  |
| Ata and flour milling |  |  | 65,161,307 |  |  |  |  |  |
| Sugar and gur |  |  |  |  |  |  | 17,929,351 | 74,748,374 |
| Salt |  |  |  |  |  |  | 17,929,351 |  |
| Other food |  |  |  |  |  |  | 179,293,508 |  |
| Mill cloth |  |  |  |  | 3,896,347 |  |  |  |
| Yarn |  | 7,759,714 |  |  | 1,558,539 |  |  |  |
| Drugs and pharmaceuticals | 2,940,875 |  | 52,129,046 |  |  |  | 35,858,702 |  |
| Fertilizer | 44,113,125 | 31,038,854 |  | 600,737 |  |  | 107,576,105 |  |
| Other Chemicals | 20,586,125 | 3,879,857 |  | 600,737 |  |  |  |  |
| Petroleum products | 5,881750 |  |  |  |  |  |  |  |
| Transport equipment |  |  |  |  |  | 17,644,343 |  |  |
| Machinery | 2,940,875 |  |  |  |  |  |  |  |
| Miscellaneous industries |  |  | 32,580,654 |  |  |  |  |  |
| Other construction | 2,940,875 |  |  | 150,184 |  |  |  |  |
| Electricity | 2,940,875 |  | 13,032,261 |  | 1,168,904 |  |  |  |
| Trade service | 79,403,652 |  |  |  |  |  |  |  |
| Transport service | 14,704,375 |  |  |  |  |  |  |  |
| Other service |  |  |  | 1,652,026 |  |  |  |  |

Table 10.3. Loan in sectors supplying intermediate inputs financed by loan proceeds (Taka) 1997

| Input supplying sectors | Agriculture | Fisheries | $\begin{array}{\|l\|l\|} \hline \begin{array}{l} \text { Poultry } \\ \text { livestock } \end{array} & \text { and } \\ \hline \end{array}$ | Sericulture | Cottage industry | Rural transport | Rural trading | Food processing |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Paddy | 55,792,578 |  |  |  | 6,163,691 |  | 764,480,401 | 430,564,898 |
| Wheat |  |  | 71,039,202 |  |  |  |  |  |
| Other grain |  |  | 81,187,659 |  |  |  |  |  |
| Vegetables |  |  |  |  |  |  | 254,826,800 |  |
| Pulses |  |  |  |  |  |  | 76,448,040 |  |
| Fruits |  |  |  |  |  |  | 76,448,040 | 26,910,306 |
| Major spices |  |  |  |  |  |  | 101,930,720 |  |
| Edible oil |  |  |  |  |  |  | 152,896,080 |  |
| Tobacco |  |  |  |  |  |  | 101,930,720 |  |
| Bidi/cigarettes |  |  |  |  |  |  | 152,896,080 |  |
| Livestock | 75,484,076 |  | 405,938,296 |  |  |  | 50,965,360 |  |
| Poultry |  |  | 202,969,148 |  |  |  | 152,896,080 |  |
| Other fish |  | 50,730,138 |  |  |  |  | 50,965,360 |  |
| Forestry |  |  |  |  | 27,942,064 |  | 101,930,720 |  |
| Ata and flour milling |  |  | 101,484,574 |  |  |  |  |  |
| Sugar and gur |  |  |  |  |  |  | 25,482,680 | 80,730,918 |
| Salt |  |  |  |  |  |  | 25,482,680 |  |
| Other food |  |  |  |  |  |  | 254,826,800 |  |
| Mill cloth |  |  |  |  | 4,109,127 |  |  |  |
| Yarn |  | 11,273,364 |  |  | 1,643,651 |  |  |  |
| Drugs and pharmaceuticals | 3,281,916 |  | 81,187,659 |  |  |  | 50,965,360 |  |
| Fertilizer | 49,228,745 | 45,093,456 |  | 651,504 |  |  | 152,896,080 |  |
| Other Chemicals | 22,973,414 | 5,636,682 |  | 651,504 |  |  |  |  |
| Petroleum products | 6,563,833 |  |  |  |  |  |  |  |

Table 10.3 continued.....

Table 10.3 continued....

| Input supplying <br> sectors | Agriculture | Fisheries | Poultry and <br> livestock | Sericulture | Cottage <br> industry | Rural <br> transport | Rural trading | Food processing |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Transport <br> equipment |  |  |  |  |  | $19,442,168$ |  |  |
| Machinery | $3,281,916$ |  |  |  |  |  |  |  |
| Miscellaneous <br> industries |  |  | $50,742,287$ |  |  |  |  |  |
| Other <br> construction | $3,281,916$ |  |  | 162,876 |  |  |  |  |
| Electricity | $3,281,916$ |  | $20,296,915$ |  | $1,232,738$ |  |  |  |
| Trade service | $88,611,741$ |  |  |  |  |  |  |  |
| Transport <br> service | $16,409,582$ |  |  |  |  |  |  |  |
| Other service |  |  |  | $1,791,636$ |  | $6,480,723$ |  |  |

Table 10.4. Loan in sectors supplying intermediate inputs financed by loan proceeds (Taka) 1998

| Input supplying <br> sectors | Agriculture | Fisheries | Poultry and <br> livestock | Sericulture | Cottage <br> industry | Rural <br> transport | Rural trading | Food processing |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Paddy | $103,184,700$ |  |  |  | $4,508,906$ |  | $913,751,579$ | $399,996,740$ |
| Wheat |  |  | $77,746,096$ |  |  |  |  |  |
| Other grain |  |  | $88,852,681$ |  |  |  |  |  |
| Vegetables |  |  |  |  |  |  | $304,583,860$ |  |
| Pulses |  |  |  |  |  |  | $91,375,158$ |  |
| Fruits |  |  |  |  |  |  | $91,375,158$ | $24,999,796$ |
| Major spices |  |  |  |  |  |  | $121,833,544$ |  |
| Edible oil |  |  |  |  |  |  | $182,750,316$ |  |
| Tobacco |  |  |  |  |  |  | $121,833,544$ |  |
| Bidi/cigarettes |  |  |  |  |  |  | $182,750,316$ |  |
| Livestock | $139,602,830$ |  | $444,263,404$ |  |  |  | $60,916,772$ |  |

Table 10.4 continued.....

Table 10.4 continued.....

| Input supplying sectors | Agriculture | Fisheries | $\begin{aligned} & \begin{array}{l} \text { Poultry } \\ \text { livestock } \end{array} \\ & \hline \end{aligned}$ | Sericulture | Cottage industry | Rural transport | Rural trading | Food processing |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Poultry |  |  | 222,131,702 |  |  |  | 182,750,316 |  |
| Other fish |  | 84,136,158 |  |  |  |  | 60,916,772 |  |
| Forestry |  |  |  |  | 20,440,372 |  | 121,833,544 |  |
| Ata and flour milling |  |  | 111,065,851 |  |  |  |  |  |
| Sugar and gur |  |  |  |  |  |  | 30,458,386 |  |
| Salt |  |  |  |  |  |  | 30,458,386 |  |
| Other food |  |  |  |  |  |  | 304,583,860 |  |
| Mill cloth |  |  |  |  | 3,005,937 |  |  |  |
| Yarn |  | 18,696,924 |  |  | 1,202,375 |  |  |  |
| Drugs and pharmaceuticals | 6,069,688 |  | 88,852,681 |  |  | 60,916,772 |  |  |
| Fertilizer | 91,045,324 | 74,787,696 |  | 752,256 |  | 182,750,316 |  |  |
| Other Chemicals | 42,487,818 | 9,348,462 |  | 752,256 |  |  |  |  |
| Petroleum products | 12,139,376 |  |  |  |  |  |  |  |
| Transport equipment |  |  |  |  |  | 15,286,373 |  |  |
| Machinery | 6,069,688 |  |  |  |  |  |  |  |
| Miscellaneous industries |  |  | 55,532,926 |  |  |  |  |  |
| Other construction | 6,069,688 |  |  | 188,064 |  |  |  |  |
| Electricity | 6,069,688 |  | 22,213,170 |  | 901,781 |  |  |  |
| Trade service | 163,881,583 |  |  |  |  |  |  |  |
| Transport service | 30,348,441 |  |  |  |  |  |  |  |
| Other service |  |  |  | 2,068,704 |  | 5,095,458 |  |  |

Table 11. Value added in sectors supplying intermediate inputs financed by loan proceeds (Taka)

| Input supplying | Total input supply |  |  |  | Value added | Value added |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| sectors | 1995 | 1996 | 1997 | 1998 | coefficient | 1995 | 1996 | 1997 | 1998 |
| Paddy | 680,541,889 | 992,377,912 | 125,7001,568 | 1,421,441,925 | 0.5474 | 372,528,630 | 543,227,669 | 688,082,658 | 778,097,310 |
| Wheat | 39,789,034 | 45,612,915 | 71,039,202 | 77,746,096 | 0.4242 | 16,878,508 | 19,348,998 | 30,134,829 | 32,979,894 |
| Other grain | 45,473,182 | 52,129,046 | 81,187,659 | 88,852,681 | 0.6263 | 28,479,854 | 32,648,421 | 50,847,830 | 55,648,434 |
| Vegetables | 99,541,294 | 179,293,508 | 254,826,800 | 304,583,860 | 0.5025 | 50,019,500 | 90,094,987 | 128,050,467 | 153,053,390 |
| Pulses | 29,862,388 | 53,788,052 | 76,448,040 | 91,375,158 | 0.6158 | 18,389,259 | 33,122,682 | 47,076,703 | 56,268,822 |
| Fruits | 50,930,477 | 78,704,177 | 103,358,346 | 116,374,954 | 0.6671 | 33,975,721 | 52,503,556 | 68,950,352 | 77,633,732 |
| Major spices | 39,816,517 | 71,717,403 | 101,930,720 | 121,833,544 | 0.5945 | 23,670,919 | 42,635,996 | 60,597,813 | 72,430,042 |
| Edible oil | 59,724,776 | 107,576,105 | 152,896,080 | 182,750,316 | 0.2039 | 12,177,882 | 21,934,767 | 31,175,510 | 37,262,789 |
| Tobacco | 39,816,517 | 71,717,403 | 101,930,720 | 121,833,544 | 0.4576 | 18,220,038 | 32,817,883 | 46,643,497 | 55,751,030 |
| Bidi/cigarettes | 59,724,776 | 107,576,105 | 152,896,080 | 182,750,316 | 0.5225 | 31,206,195 | 56,208,514 | 79,888,201 | 95,487,040 |
| Livestock | 300,273,896 | 364,144,056 | 532,387,732 | 644,786,006 | 0.5245 | 157,493,658 | 190,993,557 | 279,237,365 | 338,190,260 |
| Poultry | 173,407,731 | 237,898,720 | 355,865,228 | 404,882,018 | 0.4428 | 76,784,943 | 105,341,553 | 157,577,122 | 179,281,758 |
| Other fish | 42,912,030 | 70,777,413 | 101,695,498 | 145,052,930 | 0.4828 | 20,717,928 | 34,171,335 | 49,098,586 | 70,031,555 |
| Forestry | 65,451,920 | 98,212,567 | 129,872,784 | 142,273,916 | 0.4376 | 28,641,760 | 42,977,819 | 56,832,330 | 62,259,066 |
| Ata and flour milling | 56,841,477 | 65,161,307 | 101,484,574 | 111,065,851 | 0.2181 | 12,397,126 | 14,211,681 | 22,133,785 | 24,223,462 |
| Sugar and gur | 73,158,397 | 92,677,725 | 106,213,598 | 105,457,775 | 0.1988 | 14,543,889 | 18,424,331 | 21,115,263 | 20,965,006 |
| Salt | 9,954,129 | 17,929,351 | 25,482,680 | 30,458,386 | 0.8890 | 8,849,221 | 15,939,193 | 22,654,102 | 27,077,505 |
| Other food | 99,541,294 | 179,293,508 | 254,826,800 | 304,583,860 | 0.2650 | 26,378,443 | 47,512,779 | 67,529,102 | 80,714,723 |
| Mill cloth | 3,769,912 | 3,896,347 | 4,109,127 | 3005937 | 0.2814 | 1,060,853 | 1,096,432 | 1,156,308 | 845,871 |
| Yarn | 6,619,914 | 9,318,253 | 12,917,015 | 19,899,299 | 0.2536 | 1,678,810 | 2,363,109 | 3,275,755 | 5,046,462 |
| Drugs and pharmaceuticals | 67,685,777 | 90,928,623 | 135,434,935 | 155,839,141 | 0.3221 | 21,801,589 | 29,288,109 | 43,623,592 | 50,195,787 |
| Fertilizer | 117,328,594 | 183,328,821 | 247,869,785 | 349,335,592 | 0.1222 | 14,337,554 | 22,402,781 | 30,289,687 | 42,688,809 |
| Other Chemicals | 21,277,309 | 25,066,719 | 29,261,600 | 52,588,536 | 0.1927 | 4,100,137 | 4,830,357 | 5,638,710 | 10,133,811 |
| Petroleum products | 4,608,672 | 5,881,750 | 6,563,833 | 12,139,376 | 0.4277 | 1,971,129 | 2,515,624 | 2,807,351 | 5,192,011 |
| Transport equipment | 13,758,465 | 17,644,343 | 19,442,168 | 15,286,373 | 0.5397 | 7,425,444 | 9,522,652 | 10,492,938 | 8,250,056 |
| Machinery | 2,304,336 | 2,940,875 | 3,281,916 | 6,069,688 | 0.1854 | 427,224 | 545,238 | 608,467 | 1,125,320 |
| Miscellaneous industries | 28,420,739 | 3,280,654 | 50,742,287 | 55,532,926 | 0.4711 | 13,389,010 | 15,348,746 | 23,904,691 | 26,161,561 |
| Other construction | 2,952,081 | 3,091,059 | 3,444,792 | 6,257,752 | 0.2088 | 616,395 | 645,413 | 719,273 | 1,306,619 |
| Electricity | 14,803,605 | 17,142,040 | 24,811,569 | 29,184,639 | 0.6712 | 9,936,180 | 11,505,737 | 16,653,525 | 19,588,730 |
| Trade service | 62,217,071 | 79,403,625 | 88,611,741 | 163,881,583 | 0.7585 | 47,191,648 | 60,227,649 | 67,212,005 | 124,304,181 |
| Transport service | 11,521,680 | 14,704,375 | 16,409,582 | 30,348,441 | 0.6625 | 7,633,113 | 9,741,648 | 10,871,348 | 20,105,842 |
| Other service | 11,711,354 | 7,533,474 | 8,272,359 | 7,164,162 | 0.8902 | 10,425,447 | 6,706,299 | 7,364,054 | 6,377,537 |

Table 12. Rate of Return on Investment (First year) in different sectors

| Sector | \% Return on <br> investment | BRAC loan from <br> inception to December <br> 1998 | Weight | Weighted <br> return |
| :--- | ---: | ---: | ---: | ---: |
| Agriculture | 63 | $3,730,417,879$ | 0.124534 | 7.845642 |
| Fisheries | 93 | $1,318,952,754$ | 0.044031 | 4.094883 |
| Poultry and livestock | 88 | $5,888,247,534$ | 0.196570 | 17.29816 |
| Sericulture | 38 | $95,739,133$ | 0.00320 | 0.1216 |
| Cottage industry | 112 | $477,151,158$ | 0.01593 | 1.78416 |
| Rural transport | 100 | $850,152,854$ | 0.028381 | 2.8381 |
| Rural trading | 63 | $12,862,637,371$ | 0.42940 | 27.0522 |
| Food processing | 77 | $4,282,047,544$ | 0.14295 | 11.00715 |
| Housing | 10 | $449,635,953$ | 0.0110 | 0.1501 |
| Total |  | $29,954,982,117$ | 1.0000 | 72.191995 |

Table 13. Calculation of the contribution of health intervention

| Item | 1996 | 1997 | 1998 |
| :--- | ---: | ---: | ---: |
| a) Value of the annual number of days saved <br> of working adults which would otherwise <br> have been lost due to illness* | $103,422,290$ | $239,016,910$ | $269,674,850$ |
| b) Value of the annual number of days saved <br> of working adults which would otherwise <br> have been lost due to care of the sick** | $25,855,573$ | $59,754,227$ | $67,418,712$ |
| c) Total health care costs incurred by BRAC | $2,858,405$ | $6,640,000$ | $10,290,000$ |
| d) Contribution of BRAC health intervention <br> (a+b-c) | $126,419,458$ | $292,131,137$ | $326,803,562$ |

*Number of adult patients receiving treatment from BRAC health centres multiplied by wage loss of a single patient ( $v_{l} d_{l}=1990$ ).
** One fourth of item (a)


[^0]:    ${ }^{1}$ GDP is the value of final goods and services produced within the country (in a year).

