NATIONAL INCOME

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NATIONAL INCOME

In simple words, national income may be defined as the value of commodities and services produced I during a particular period counted control tuplication. The National Income Committee (NIC), set up by the Government of India in 1949, produced for the first time, national income estimates for the entire Indian Union.

the national income of a nation. Different economists defined national income in various ways. Here is one such definition:

"Sum of the employees compensation and the net income from property and enterpreneurship, that is the distributed factors income, represents the national income, represents the national income of the country"

The important concepts of national incomes are:

(1) Gnoss Domestic Product (GDP): - GDP is the total market value of all final goods and services currently produced within the domestic territory of a country in a year.

Four things must be noted beganding this concept:

(i) It measures the market value of annual output of goods and services currently produced. This implies that GDP is a monetary measure.

(ii) In calculating GDP accurately, all goods and services produced in any given year must be counted only once so as to avoid double

(iii) GDP includes only auruntly produced goods and services in a year.

Market transactions involving goods produced in the previous periods such as old houses, old cars, factories built earlier are not included in GDP of the aurunt year.

(iv) GDP refers to the value of goods and services produced within the domestic territory of a country by nationals on non-nationals.

(2) Gnoss National Product (GNP): - CrNP is the total market value of all final goods and services produced in a year. GNP includes net factor income from abroad where as GDP doesnot. So, GNP=GDP+ Net factor income from abroad.

Net factor income from abroad = factor income neceived by Indian nationals from abroad - factor income paid to foreign national coorking in India.

Net National Product (NNP) at Market Price: - NNP is the market value of all final goods and services after providing for depreciation.

That is, cohen charges for depreciation are deducted from the GINP we get NNP at market price. So, NNP = GINP - Depreciation.

Deprocciation is the fall in the value of fixed capital due to wear and

tean.

- (4) Net National Product (NNP) at Factor cost (National Income):

 NNP at factors cost on National Income is the sum of wages, nent
 interest and profits paid to factors for their contribution to the
 production of goods and services in a year. It may be noted that NNP
 at factor cost = NNP at market price Indirect taxes + Subsidies.
- Methods of Estimation of National Income: The methods used to estimate the national income of a country necessarily depend upon the availability of statistics. Commonly, the following three methods are used for calculation of national income.
 - (a) Output on Production Method,
 - (b) Income MetRod,
 - (c) Expenditure Method.
 - (a) Output on Production Method: This method is also called inventory on value-added method. This method approaches national income from the output side. Under this method, the economy is divided into different sectors such as agriculture, fishing, mining, construction, manufacturing, trade agriculture, transport, communication and other services. Then the gnoss product is found out by adding up the net values of all the production that has taken place in these values of deving a given year. In order to arrive at the net sectors deving a given year, industry, intermediate goods value of production of a given industry, intermediate goods by the producers of this industry are deducted from the gnoss value of production of that industry. The net values of production of all the industry and sectors of the economy plus the net factor income from abroad coill give us the GNP. If we deduct depreciation from the GNP we get NNP at market price. Then I NNP at market price—Indirect taxes + subsidies y will give us NNP at factor cost on National Income.

The output method can be used cohere there exists a census of production for the year. The advantage of this method is that it neveals the contributions and relative importance and of the different sectors of the economy.

(b) Income Method: ~ This method approaches national income from the distribution side. According to this method, national income is obtained by summing up of the incomes of all individuals in the country. Thus, I national income is calculated by adding up the ment of land, wages and salaries of employees, interest on capital, profits of entrepreneurs and income of self-employed people.

This method of estimating national income has the gneat advantage of indicating the distribution of national income Vamong different income groups such as landlords, capitalists,

coonkens, etc.

(c) Expenditure MetRod: - This method avrives at national income by adding up all the expenditure made on goods and services during a year. Thus, the national income is found by adding up the following types of expenditure by households, private business enterprises and the government:

(i) Expenditure on consumer goods and services by individuals denoted

by C. This is called personal consumption expenditure.

(ii) Expenditure by private business enterprises on capital growth and on making additions to inventories on stocks in a year. Ucalled gross domestic private investment denoted by I,

(iii) Grovernment expenditure on goods and services denoted by Gr.

(iv) Expenditure made by foreigners on goods and services of the national economy over and above cohat this economy spends on the output of the foreign countries, i.e., exposts-imports denoted (X-M). Thus GDP = C + I + G + (X-M).

Uses of National Theome:

1. National Income estimates are of great importance to get a broad view of the entire economy of a country. They also provide the information about the charges occurring in economy from year to year. The economic policies and planning our mostly I framed keeping in view, the national income of a nation.

2. National Income estimates give us an idea of the burchasing power of the people in the country and standard of living of the nationals.

3. National Income figures thelp forecast the level of business activity for months and years ahead.

4. National Theome figures have been found useful for studies of the problems of the economically underdeveloped countries.

Every country, advanced on underdeveloped, faces some difficulty in computing national income. However, underdeveloped countries are faced with some special difficulties arising out of the peculiar nature of such economies. The important difficulties that are faced cohile estimating national income are:

- (i) There is a substantial non-monetised sectors conich makes the calculation of national income difficult. A great deal of conat is produced in a section is either exchanged for other goods on is kept for personal consumption. This tends to underestimate the national income.
- (ii) National income estimates include only those goods and services, which are commonly used.

 People living in number areas usually manufacture articles of consumption, from traditional goods (naw materials) are able to avoid many expenses. For example, they build their own huts, garments and other items of necessity. The value of such goods are not included in the national income estimates,

(iii) While computing national income of a country, the problem of double counting may crop up. The best way to avoid this is to calculate only the value of these goods and services that enter into the final consumption stage.

(iv) National income estimates fail to measure adequately the change in the price level. They should be adjusted by the Price Index Number.

Special Difficulties of estimation of National Theome in Underdeveloped countries:

(v) In under-developed on developing countries, people are mostly illiterate and don't keep any accounts and even if they do, they are reductant to disclose their income connectly. In such a situation only rough estimates are possible.

(vi) In under-developed on developing countries due to the lack of occupational specialisation, calculation of national income by agricultural origin becomes nother difficult. For instance, besides the chops, farmers often produce a variety of products like - eggs, milks, etc. that are not included in the calculation of national income estimates due to the lack of the availability of such data.

(vii) In under-developed countains there is a general lack of adequate statistical data. Inadequacy, non-availability and unreliability of statistics is a great handical in measuring national income in these countries.

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Indian Statistical System: ~ India currently following a decentralise
statistical system. The structure is based on the federal constitution statistical system, and the state governments share the responsibility where the of collection of data for the items covered under the and cost of collection of data for the items covered under the
and state like the certified stationed on farmanist
a branch in with Delhi, with do the advisory with a or
body to begulare the data contenior and complianion efforts of
aenthe and states. The history of the statistical system in India can be viewed from
the following two !
Onganisation/committee Year Activities
1) Formation of statistical 1862 related to education, finance, industries, trade
Committee
2) Foundation of Statistical 1933 10 analysis - statistics.
Research Buteria of minimaroffi Josephine
National Sample Survey 1950 To collect data for estimating National income.
1) Formation of Central 1951 Collection combilations
4) Formation of Certal 1951 Collection compilations statistical Organisation (CSO) statistical data.
. As statistical
Ministry of Planning: - As discussed contient secretariat in magnifations come set up under the cabinet secretariat in
organisations coere set up under the cabinet secretarial organisations were brought different years. But in 1973 some of these organisations were brought different years. But in 1973 and were made nesponsible for maintain
different lewis of Planning and were made nesponsible for maintain
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different years. But in 1973 some of these organisations could enough different years. But in 1973 some of these organisations could different years. But in 1973 some of the made nestions ble for maintain under Ministry of Planning and development. Statistics related to the statistics. There are two independent departments under the
(i) Department of Statistics
Ministry. These are: (i) Department of Statistics (ii) Department of Programme Implementation
discism cohich heather consists of
(i) The Central Statistical Organisations (CSO).
(ii) The National sample Survey Organisation (NSSO),
(ii) The landing Contra
(iii) Computer Centre.

Central Government established CSO, under cabinet Recreetoriat, coits the objective of eneating co-oradination of large -variety of statistical information, collected at the central and state level. CSO is headed by a Director General, coho is assisted by 3 additional Director general, General, coho is assisted by 3 additional Director General, and Joint Directors and Joint Directors and other supporting officials.

Indian Official Idelistics

The Main Activities/Functions of CSO ove: -

(1) Co-ordinating the statistical activities of various central Governments departments and state governments.

(2) Acting as a co-ordinator and advisors in Statistical matter of the centre and states.

(3) Collecting, compiling and publishing statistical data on all India basis for the centre and states.

(4) Providing statistical information to planning commission for the development of 5 years plans.

(5) Providing training to personals in statistical departments of Grovenment.

(6) Compilation and publication of National Income Statistics and Industrial Index.

(3) Conducting Economic Censuses and related surveys.

(8) Providing statistical information to the offices of United States.

The Major Publications of CSO are: -

(4) Guide to Official Statistics.

Dinectory of statistics, India,

3 Statistical System in India,

(4) Abstract of Statistics (Monthly),

(5) statistical Abstract (Annual),

(6) Statistical Pocket Book (Annual),

Statistical Newslatter (Quaterly).

National Sample Survey Organisations (NSSO):-

NSSO functions under a government council with the requestive independence and autonomy in the matter of collection processing and publication of National Sample Survey (NSS) data.

Officer (DG and CEO) coho is nesponsible for co-ordinating and supervising all activities of the organisation. The DG and cho of Government Coursel. is also Uthe Member Secretary

The NSSO is nesponsible for conducting nation-coide on various socio-economic aspects including: Survey of Economic Census, Annual Survey of Industries (ASI), Supervision of area enumeration and crop extimation surveys, Unban Frame Survey

The Majors Activities / Functions of NSSO are: -

- (1) Collection of socio-economic data relating to demographic conditions for the whole country on negular basis.
- To provide data for national income and planning.
- (3) To conduct annual surveys in the organised industrial sectors.
- (4) Training of personal and providing quidance to the states in the conduct of surveys.

List of Publications of NSSO ore:

- ("Sanvekshana" is one of the main bi-annual technical journal of the NSSO cohich covers the analysis and main nesults of surveys conducted by NSSO,
- (2) Land and Livestock holdings, debt and investment.
- (3) Consumer Expenditure, Education, Health and Aged in India.

NATIONAL INCOME

yet some others are in between. How do we measure the liferformance of an economy? Performance of an economy is related to the level of production on total economic activity. Measures of national income and output are used in economics to estimate the total value of production of an economy. The standard measures of income and output are: Gross Notional standard measures of income and output are: Gross Notional standard (GNP), Gross national Product (GNP), Gross national income (GNI), Net national product (NNP), Net national income (MNI). In India, the central statistical organization (eso has been estimating the national income.

to other students by the percentage of marks scored by us. Similarly, a scountry's economic benformance has been us. Similarly, a scountry's economic benformance has been us. Similarly, a scountry's economic benformance has been measured by indicators of national income is essential for various further, measuring national income is essential for various further, measuring national income is essential for various of purposes that include projection about the future course of the economy, assisting government as the basis the economy, assisting government as the basis to design suitable development policies, helping firms in to design future demand for their broducts and faciliating international comparison.

National income per person or per capita income is used as an indicators of people's standard of living or welfare. However, many development economists have contricised that GINF as a measure of coeffare has many limitations. As a measure of coeffare has many limitations. As a measure of not exclude poverty, literacy, public health, gender carrity and many chuman issues of well-being, they developed other measures of well-being, they developed other measures of well-being they development Index (HDI), of wellfare such as the Human Development Index (HDI),

Some roich countries in terms of herman development. Similarly, book countries in terms of national income have performed well in human development. of national income have performed well in human development. In case of India; though the GIDP is grocoing fasters, its performance In case of India; though the GIDP is grocoing fasters, its performance in terms of HDI is fare below than that of many countries.

• It measures the volume of commodities and services turned during a given time persion, counted coithout duplication.

The productive powers in the economy.

It is not to be confused with 'National Wealth'.

BACKGROUND: NIC (National Income Committee) was formed in 1949 to compile statistics and estimate National Income. It was headed by P.C. Mahalanobis & Rao.

IMPORTANCE / NEED FOR THE STUDY OF NATIONAL INCOME:

1) To measure the size of an economy and to see economic development of the country.

To trace the triend on speed of the economic growth in relation to previous year (5) as well as to other Veountines.

To know the structure and composition of the National Income in terms of various sectors and the periodical variation in them.

1) To make projection about the future development trooped of the

5) To fully Grovernment, to formulate suitable development bland and economy policies to increase growth reates.

6) To fix various deve lopment torgets for different sections of the economy on the basis of earliers performance.

7) Indicates people's standard of living.

Immamons: It excludes poverety literacy, public health. gorders easity and other measures of Thuman prosperity.

M. ALTERNATIVE MEASURE OF HUMAN WELFARE:

Human Development Inder (HDI) . Irrandorsh nomen it word wo ou brusselind avoid suconi levelon le

ensembly the control school of the House to House Economy Income Health works to state the

- Alfred Manshall: "The labour and capital of the country acting on its natural nesources produce annually a certain net aggrugate of commodities, material and immaterial, including services of all kinds.... This is the net annual income or revenue of the country on the national dividend."
- Troving Fishers: "The national dividend on income consists of services as received by ultimate consumers, whather from their material on from their human environment."
- Paul. A. Samuelson: "Cross National Bioduct (GINP) is the most comprehensive measure of a nation's total output of goods and services. It is the sum of the dollar value of consumption, gross investment, government purchase of goods and services and net exports.
- NATIONAL INCOME COMMITTEE OF INDIA: "National income estimate measures the volume of commodities and services turned out during a given period, counted coithout duplication."

MEASURES OF NATIONAL INCOME:

National Income can be measured by ->

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GIDP = GIMP - ned income a curried from abroad.

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- > Gross Domestic Product (GIDP)
 - ii Ginoss National Income (GNI)
- iii) Gross National Product (GNP)
 - iv) Net National Product (NNP)
 - > Net National Income (NNI)

WORDS:

"Giross" means total product, regardless of the use-to which it is subsequently but.

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"Net " means "Ginoss" minus "the amount that must be

used to offset depreciation. . "Net gives an indication of how much product is actually available for consumption or new investment.

"Domestie" means the boundary is geographical; we are counting all goods and services produced within the country's bonders, regardless of by whom.

· "National" "means the boundary is defined by citizenship (nationality). We count all goods and services broduced by the attionals of the country (or business owned by them), regardless of where that production physically takes blace. Basic Concepts: The agrimma amount innormal

(70058 National Broduct: - Cross national broduct is the and goods) broduced and income received in a year by domastic residents of a country. It includes profits earned from capital invested abroad. soo smoot losaijou

Finoss Domestic Product: Cinoss domestic product is the total value of output (goods and services) produced by the factors of production located within the country's boundary in a year. The factors of production may be owned by citizen and foreigners.

The GIDP could be described as the market value of all final goods and services produced within a country in a given period of time.

GIDP = GINP - net income econned from abroad.

Net National Broduct: — Not national product is arrived at by making some adjustments, with regard to deprization, in GNP. We know GNP is the total value of output produced and income received by domestic residents of a country in a year. In that one year of the available plant and and mechinary will use an and tean and get condemned. Such decline in appital assets due to wear and tean is called depriciation.

In the is arrived at by deducting the value of such depriciation from the is arrived at by deducting the value of such depriciation from GNP.

NNP = GNP - depriciation.

Net Domestic Broduct: — Net domestic product is arrived from GIPP by making some adjustment with rugard to depreciation. We know GIPP is that total value of output produced and income received in a year by domestic rusidents of a country, it also includes the profit corned from capital invested abroad. In that one year period the available plant and machinary will wear and tear and get, condemned. Such dealine in assets due to wear and tear is called depreciation. NDP is the value arrived from deducting the value of such depreciation from GIPP.

Pers Capita Income: — Pers capita income on output perbenson is an indicators to show the living standard of people in a country.

If real PCI increases then coe can consider it to be an improvement in standard of living of people. It is arrived by dividing GDP by the total population size.

of from the form total population size

FORMULAE : and si ti and noticitate pleases with stations

- GIDP at Morket price = value of output in an economy in a particular year intermediate consumption.
- NNP at factors cost = GIDP at market price deprisciation
 + NFIA(Net factors income from abroad)
 net indirect takes

MGDP & GINP: - While GIDP indicates: the productive to havines it feelberry Jonethan tell capacity of an economy, GINP is a crude indicators of living standards. The significance of distinction of GDP and GIND depends upon the mature of economy. For instance, if a country has more non-resident inflows and produces a country has more non-resident by multinational componenting considerable position of its output by multinational componenting (i.e. with the help of external factors of production) GINA is higher than GDP. Otherwise the distinction will be negligible Many countries have foreign firms. In case of US Fond Motors, the income received from the factory would be counted as Indian GIDP but the profits send to Us and would be counted as Us GNP. Similarly, GNP is avoiving by adding the profits earned from the capital invested abroad to GAP.

Motional Income at Coverent prices and Constant Prices:

The national income is always measured either at current prices or constant prices. The measure based on current prices use on going market prices to compute. the value of output. It is quite possible that current prices will always be higher than real prices due to many factors like taxes and inflation. Hence National income based on current prices includes such influences by taxes and inflation / Price vise. Inflation as a common feature in almost all countries; it is necessary to measure National Income by deducting the inflation. Therefore National income based on current prices is measured by making necessary adjustment to eliminate the effect of inflation. Thus it is based on unchanged prices of output. As the National Income at constant prices is based on real worth of punchasing power of income it is called oceal national income. 19510 = 1200 motoof to 9111 .

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CIRCULAR FLOW OF INCOME: - Before discussing the calculation of national income, a brief introduction of the circular flow of income would be helpful. The cincular flow of income is explained with a simplest model consisting business (firms and produces) and public scators on consumers). The public own the productive Chouseholds nasources (i.e. factors of production namely land, labour and capital). Business sector or producers employ the factors of production to produce the goods and services. Such goods are bought by the Thus public own the factors people. of production and provide them to producers. The producers employ the factors input to produce output of goods and services, cohich is bought by the consumers. For the employment of factoro services the public' receive the factor income viz. rent (land), wages (labour) and intenest (capital). This income flows back from the public to the business section as consumption expenditure to try the goods and services. Thus the flow chart consists two segments real flow and money flow. The outers flow shows the flow of input and loutput, they represent the real economy. The inner flow shows the money received as factors Vincome and it goes to the producens as buy goods and services. consumption expenditure to the flow charat consists income beceived and enpenditure interims of money, it represents the money economy. Payment of factors services (nent, coages, etc) supply of factors of production (land, labour cabital, etc.) Households of commodifies (Goods) ton commodities 1471

The most impormant point to be noted for the computation of national income is that income (Y) received is eased to the consumption superditure (c).

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The simplest flow of income is explained without the other components of National income viz. savings or investment (I), public expenditure by Grovt, (G) and Jexpenditure on net expenditure (X-M). If we include the above then

Y= C+I+G+(X-M) milashand

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Brivate consumption is a central concern of civelfance economics. The private investment and trade portions of the economy are ultimately directed to increase s in long-term private consumption.

METHODS OF CALCULATING NATIONAL INCOME : ***

national income they are

Product on Output method [sum of every classes]

Theome method [Sum of all producers's income]

Expenditure method [people's total expenditure in buying things]

As noted earliers GDP is the measure of economy total outbut and total income and total expenditure of that economy. Figure of circular flow of income elearly shows the factors income received by the public is being spent to buy the output of goods and services produced being spent to buy the output of goods and services produced being spent to buy the output of goods and services produced expenditure is equal to the value of output broduced in the economy.

Income = Expanditure = Output

Ques:-[ISS EXAM 10] Write a critical note on the methods of estimating national income of India.

The model can further be extended by adding up the other components like C.I. G and (X-M). In the entended model savings of public, takes and foreign trade will be deduced from the income. Similarly, investment expenditions government expenditure and net expenditure on trade will be ladded up to the circular flow. The outflows are called leakages and inflows are called injections. After aggregating teakages and injection in any one year, total income component of an economy is equivalent to the total expenditure on total output. Therefore, all the three methods are supposed to give same nesults.

2) OUTPUT OR PRODUCT METHOD: In the output on product method, the measures of GIDP are calculated by adding the total value of the output (of goods and services) produced by all activities during any time period, such a year, the majors challenge of this method is the brioblemas double counting

some other business, e.g. the output of the type industry is the input of racing bike, industry. Counting the final output of both industries will seesult (in double I country of the value of type. This problem can be avoided by including only The value added at each stage of production or the final value of output produced.

11) INCOME METHOD: - In the income method, the measures of GDP are calculated by adding the income earned by various factors of production which are I engaged in the production of output: The various incomes included to compute Ginoss Notional Income one:

. wages and salanies.

· Sncome of solf employed.

• Profits and dividends of business componations.

· Interest det silled me tracket

· Surplus of government enteroprises.

· Net flow income from abroad.

All of them are known as factors income and they are paid in xeturn for the inputs engaged in some productive process which have resulted in corresponding output. The sum of all these incomes provide us the measure of national income.

The measures of GDP are calculated by adding all the expenditures made in the economy. Expenditure method expenditures made in the economy. Expenditure method focuses on finding the total output of a nation by finding the total amount of money spent. The finding the total amount of money spent. The essential components of expenditure are:

C: Consumption expenditure

I: domestic investment

Gi: Groversyment expenditure

X: expants of goods and services

M: imports of goods and somices

NR: net încome recaipts from assets abnord.

The sum of all expenditure provides us the measure of national income.

All the above these methods must yield the same result because the total superdition by definition must be equal to the value of output produced which is equal to the income paid for the factors that broduced goods and services.

Some national income identifies are:

- · NNP = GINP depreciation
- · NNI = NNP- indirect taxes
- · PI = NNI Retained earnings, companate taxes and interest on public debit.
- . PDI = PI Personal taxes.

Encounters many problems. The problem of double counting has already been noted. Though there are some corrective measures, it is difficult to eliminate double—counting altogether. And there are many such problems as:

Black money: - In countries wherelovel of illegal activities, illegal business and the levellof coronabion are very high, the circulation of black money is so high, it has created a "Parallel economy". It means unseported economy cohich is earlivalent to the size of efficially estimated size of the aconomy. GIDP does not take into account the "Parallel economy" as the transaction of black money are all-are not registered. In India, black money are all-burvasive, affecting not only the economy but also the society at large.

Non-monetization: — In most of the runal economy, and they considerable portion of transactions occur informally and they are called as non-monetized economy. The presence of such mon-monetized economy in developing countries keeps the GDP estimates at lowers level than the actual.

Chrowing Service Sectors: — In recent years, the revice sectors is growing fa stero than that of lagricultural and sectors. Many new services have come up. However, the value addition is I tegal consultances, health retrices, francial and business services and the service sectors as financial and business services and the service sectors as a cohole is not based on executate reporting and hence under estimated in national income measures.

Household Services: — The national income analysis ignores domestic coord and housekeeping and social services.

Most of such coord rendered by our women at home does not enter in our national accounting.

INDIAN STATISTICAL SYSTEM-AN OVERVIEW

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•INTRODUCTION:

India has a long tradition of both data collection & dissemination. Sound statistics leads to informed decision making and effective formulation and monitoring of public policies for the requirements of planned economic & social development.

The Indian Statistical System functions within the federal structure of the govt of India with the help of state governments. Under the Indian Constitution duties are divided according to a three-fold classification of all subjects to the Union list, the State list or the Concurrent list.

The main features of the Indian Statistical System is as follows:

- I. The Administrative Statistics System is its major component;
- II. It is laterally and vertically decentralized;
- III. In it, not only data collection but also compilation, processing and preparation of results are carried out by the states for most of the sectors; and
- IV. It is State-wise results, which flow to the Centre.

Statistical System at the Centre:-

The collection of Statistics for different subject-specific areas, like agriculture, labour, industry, etc. vests with the corresponding administrative ministries. Large-scale statistical operations like the Population Census, Annual Survey of Industries and Economic Census are centralised & in important ministries Indian statistical officers & subordinate statistical staff perform the statistical functions. The Central Statistical Organisation (CSO) in the Ministry of Statistics & Programme Implementation (MOSPI) is the nodal agency for a planned development of the statistical system in the country & for bringing about coordination in statistical activities among statistical agencies in the Government of India and State Directorates of Economics & Statistics.

Ministry of Statistics & Programme Implementation:

At the centre, a full-fledged Department of Statistics was created in 1961. The important organs of the Department are: Central Statistical Organisation(CSO), National Sample Survey Organisation(NSSO), Computer Centre, Indian Statistical Institute(ISI). The ministry is headed by a Secretary appointed by the govt & the

administrative in-charge of the ministry. The Secretary is assisted by two Director Generals, i.e., Director General, CSO & Director General & Chief Executive Officer (DG&CEO), NSSO who are in-charge of technical matters, Financing of the Ministry through annual budgets and does take into account the change in demand.

Central Statistical Organisation:

CSO was set up in May 1951 as a part of the Cabinet Secretariat and having coordinating and advisory functions. CSO is responsible for coordination of statistical activities in the country as well as for verifying and maintaining statistical standards and provides national statistics to the United Nations & its specialised agencies, and brings out publications presenting all-India statistics on all principal aspects of national life. Its activities include compilation and release of national accounts statistics, social statistics, environmental statistics, conduct and presentation of statistics on Annual Survey of Industries(ASI), Economic Censuses, compilation of Index of Industrial Production, Consumer price indices & etc. The Director General heads the CSO and is assisted by 3 Additional Director Generals & 4 Deputy Director Generals. On the recommendations of the review committee, the govt of India set up an Apex Body, the National Advisory Board on Statistics (NABS) in 1982 & the main functions of NABS are to provide technical guidelines for policy issues involved in the development of statistics and for ensuring effective coordination of statistical activities, particularly in the field of data collection, improvement of quality, timeliness of statistics & storage and retrieval of data. The most important publications of CSO are: I. The Statistical abstract-India(annual) II. The monthly abstract of statistics.

National Sample Survey Organisation:

NSSO came into existence in 1950 with the objective of conducting large-scale surveys to provide data for national income estimation as required for planning and policy formation. The organisation functions under the overall direction of a Government Council with requisite independence and autonomy in the matter of collection, processing and publication of data. The NSSO headed by the Director General & Chief Executive Officer who is responsible for coordinating and supervising all activities of the organisation. The major activities of NSSO is to survey design, field operations, processing of collected data & releasing of results based on the sample surveys. The important publications of NSSO are: I. The reports on the various rounds of the NSS II. The quarterly bulletin Sarvekshana.

The functions of NSSO are as follows:

- I. <u>Socio-economic survey:</u> It is the main of NSSO, the NSSO is related to land utilizations, agricultural production, genetic characteristics, prices, wages, housing, investment, profits, consumer & other economic factors. These data is taken as used by planning commission and other ministries of govt of India in their works.
- II. <u>Crop-estimate survey:</u> NSSO extends their help to improve the agricultural statistics by providing standard techniques for data collection to both State & Central Govt. As a result of this the data collected will be more uniform. The surveys are related to the crops like oil seeds, spices, vegetables, etc.

III. <u>Industrial Survey:</u> NSSO conducts annual survey under the act of collection if Statistics 1953, the surveys are related to the fact of employment status, salary and wages, raw materials & capital structure of industries.

IV. <u>Price Statistics Survey:</u> NSSO collects price statistics regularly on the urban & rural basis separately. The data collection, compilation & publishing the price index numbers is done by NSSO.

Computer Centre:

The Computer Centre was set up in 1967 as an attached office under the Department Of Statistics, to cater to the data processing. This centre, as one of its major tasks, undertakes the processing of voluminous data running into several million records, collected by the NSSO & CSO. It also provides computing & other services for Govt departments & Organisations, the centre is headed by an Additional Director General.

•Indian Statistical Institute:

ISI was registered in 1932 at Calcutta as a non-profit-distributing learned society by Professor P.C.Mahalanobis as its founding director to carry out research, teaching, training & project activities. But gradually it became an important part of the Statistical System in India through its pioneering work on large-scale sample surveys, design of agricultural experiments, statistical quality control & planning for national development. The institute was announced as an Institute of National Importance in 1959. It offers diploma, bachelors, masters & research programmes in the field of Statistics, Mathematics, Quantitative Economics & Computer sciences. The centres are in Kolkata (Main Centre), Delhi, Bangalore, Chennai, Hydrabad. ISI is headed by a Director.

•Labour Bureau Of Statistics:

The office was set up in 1946 in the ministry of labour & rehabilitation. Its main functions are: i. It collects, compiles & publishes statistics of employment in respect of factories, mines, shops on all-India basis. II. It constructs consumer price index numbers. III. It brings out pamphlets on different aspects of labour legislation.

<u>Publications are:</u> I. Indian Labour Statistics(annual) II. Indian Labour Journal(monthly) III. Agricultural wages in India(annual).

Directorate Of Economics & Statistics(DES):

The DES has large organisations at headquarters, with statistical officers in the districts. The statistical activity of the DES is more or less uniform. <u>Its publications are:</u> I. Agricultural situation in India(monthly). II. Indian Forest Statistics(annual) III. Bulletin on Food Statistics(annual).

Functions & Publications of Bureaux of Economics & Statistics:

- 1. The coordination of statistics collected by different departments of the state govt.
- 2. The publication of abstracts assembling all essential statistical series.
- 3. The maintenance of liaison between the statistical units with CSO.

4. Organising special surveys, compilation of economic indicators & income statistics for the state.

Publications are: I. The Statistical Abstract(annual) II. The Statistical Bulletin(monthly or yearly).

- Industrial Statistics: Statistics of industrial production in India may be considered under two heads: (a) statistics relating to the factory sector. The important publications relating to industrial statistics are: I. Annual Survey of Industries II. Monthly Statistics of the production of Selected Industries in India All these are brought out by the Industrial Statistics.
- •Major Activities of West Bengal Bureau Of Applied Economics & Statistics(BAE&S) :-

BAE&S is responsible for collection, collation & compilation of different statistical data in respect of the State. BAE&S conducts Economic Census from time to time, prepares index numbers of Industrial Productions, Wholesale Prices & Consumer prices. Different activities are as follows:

- 1. Rural & Urban household survey
- 2. Technical Committee for Coordination and Improvement of Statistical System(TCCISS)
- 3. Wholesale Price Index(WPI) & Consumer Price Index(CPI)
- 4. Annual Survey of Industry
- 5. NSSO Survey
- 6. Staff Census & Yield rates of Major Crops.
- Agricultural Statistics:-

Collection of Agricultural Statistics in India is primarily the responsibility of the States. DES under the Ministry of Agriculture & Irrigation is the central coordinating agency responsible for the collection, compilation & publication of agricultural statistics.

Its major publications are: I. Indian Agriculture in Brief(DES,annual). II. Bulletin of Food Statistics(DES,annual). III. Agricultural Situation in India(monthly).

<u>Land utilizations statistics</u>: By land utilisations statistics we mean statistics giving the areas of land put to different uses, area irrigated and crops irrigated, and the areas under different crops. The report publishes in Indian Agricultural Statistics (annual).

<u>Crop production Statistics:</u> For the estimation of yield, the periodical estimates of area & production are initially prepared by the concerned State agencies but are compiled by the DES. Two most important publications on area and yield of crops are the following: I. Estimates of Area & Production of Principal Crops in India(annual). II. Agricultural Situation in India(monthly).

