

**DISTRICT INFORMATION SYSTEM OF
NATIONAL INFORMATICS CENTRE
DISNIC**

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NICNET

Government of India
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New Delhi-110016
DOC, No. D-11131
Date 27-06-2011

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ORGANISATION OF DISNIC-EDUCATION HANDBOOK

DISNIC Software Division of National Informatics Centre has been given the responsibility of Design, Development and Implementation of the District Information System Programme of NIC. During the last one year, the DISNIC group has been able to have meaningful discussions at the District/State/Central Administration level regarding the information requirements in respect of both macro and micro levels of all the sectors and in particular with the Education Department at the District level. This project document has been prepared keeping into consideration the needs of the concerned department.

DISNIC Software has been designed "Generic in Nature" and in a very "user-friendly" manner so as to enable even the administrative officials at the District level to operate the software effectively and efficiently. This project document has been written to help the users in using this system in an efficient way.

This document has been organised as follows:-

briefly discusses about the project objective and also explains briefly the need to develop such a system.

highlights the Government Informatics and the role of NIC in promoting informatics culture in the government departments.

deals with the DISNIC programme, which NIC has launched to develop the necessary information system/databases in various sectors of economy for planning and decision making at the District level. It also briefly introduces the functional components of DISNIC.

highlights the Information system at State level

gives a detailed analysis of DISNIC-EDUCATION, information flow in the Education Department and also the present scenario of Information collection by the Government.

presents system design by explaining the organisation of various database files and their corresponding Input Formats.

is a full-fledged operational guide for the DISNIC-EDUCATION software. It also explains the environment under which this system can be operated.

gives the various Courses Codes in Collegiate Education.

gives the Course Codes in Technical Education.

gives the Course Codes in Medical Education.

presents the Memorandum of Understanding between NIC and various States/UT to set up the NICNET facilities.

familiarises the users with a brief glossary of the computer terms.

CHAPTER 1 PROJECT OBJECTIVE

In the age of Scientific and Technological revolution in which we are living today- Scientist, Professionals, Administrative people and Well Informed Persons face the problem of being overwhelmed by increasing volume of knowledge and information, which flows from different disciplines. For harvesting the growing volume of knowledge and information to the task of socioeconomic development, the paramount need for ensuring the welfare of human beings, what is required more than anything else, is the proper classification, categorization, organization and relevant synthesis of knowledge which can be fruitfully utilized not only by the Scientist, Technologist, and Administrator, but also by the People in general. Information has attained the status as a new global currency. It is the information that will keep the vitality of the economy in future. The economy would become an **“Information Movement and Management (IM&M)” Economy**.

Education is a prerequisite for Progress and Development. And, in the order of priorities, Education has been accorded a high priority as an integral part of country's developmental process. Due to concerted efforts during the last four decades of Independence, a four-fold increase has been registered in the total number of literates. With the increase of more than four times in the number of pupils in the primary schools, the number of such schools has also more than doubled. The number of Universities has also gone up by more than five times. Together with the quantitative expansion of educational facilities, there is now a greater emphasis on qualitative improvement.

One need not over emphasise the importance of **educational data** in connection with the process of planning, monitoring and evaluation of different types of educational programmes. With the passing of National Education Policy (NEP) by the Parliament, the requirements of a sound database have increased considerably in addition to its timely availability. At present, there is time lag of 3 to 4 years in collection and publication of Educational Statistics at All-India level. **The main reason for this is the fact that the data collected from large number of institutions has to be consolidated at various levels namely Block/Tehsil, District, State Headquarters and finally at All-India level.** The manual compilation of data at these levels takes considerable time, specially, in states where there is not adequate qualified statistical machinery at the district level.

It is an established fact that development process needs a sophisticated information flow from the lowest level of administration to the national decision making level. With the establishment of NICNET facilities at the District/State level, the Department of Education will explore all the possibilities to utilize this powerful network NICNET for timely information collection, processing and publication of educational data. Modern management techniques coupled with the use of computers can prove a powerful tool in the hands of the Government for the effective management of the Education Sector.

In view of this, under the DISNIC programme, NIC has taken up the development of a meaningful computer-based Management Information System on Education (DISNIC-EDUCATION) for the District Administration so that information related to Education sector can be periodically collected from the lower level administrative machineries of the district administration; and also to facilitate decision making process at the district level for implementing the schemes related to the Education Sector efficiently and effectively.

Extensive discussions have been held with District/State level officers to assess the information needs and management requirements both at District/State level in the following areas of the Education Sector :-

- ... General Education
 - ... Primary
 - ... Middle
- ... Collegiate Education
- ... Technical Education
- ... Medical Education
- ... Adult Education
- ... Non-Formal Education

With the information made available during various meetings/workshops held in respect of the Management Information System for the EDUCATION Sector at district level, the project document (**DISNIC-EDUCATION**) has been prepared for further discussion at the concerned level. The software (**DISNIC-EDUCATION**) is **Generic in Nature, User-Friendly** and can be very well used by the administrative staff of the District Administration. This software also facilitates to generate various managerial reports and also for possible enhancement during implementation and afterwards.

Hence, the **DISNIC-EDUCATION** has been designed to facilitate the management Information needs for storage, retrieval and analysis at the district level. The **DISNIC-EDUCATION** also facilitates to generate managerial reports at the state level as and when required for planning, monitoring, evaluation, coordination and administration.

CHAPTER 2

GOVERNMENT INFORMATICS

The rapid advances and recent breakthroughs in the realm of micro-electronics, telecommunication and computers has resulted in the “**INFORMATION TECHNOLOGY**” revolution. This technological revolution, after making its tremendous impact felt in the sphere of science and technology, is swiftly permeating into our society to bring about dramatic changes in the way we live and work. Information Technology can be broadly described as a science of collecting, storing, processing and transmitting information.

Informatics is the combination of Information Technology (IT) and applications coupled with Telecommunication. Information has acquired an added dimension with the status of a global currency. It is the information, that will keep the vitality of the economy in future. The economy would become an “**Information Movement and Management (IM&M)**” **Economy**. Today, it is not only the most sought after costly commodity, but also the mainstay of decision making process in any organizational set up.

ROLE OF NIC IN GOVERNMENT INFORMATICS

In order to explore and exploit the vast opportunities offered by Information Technology, which will improve and accelerate the planning process and implementation of socio-economic programmes for all-round developmental growth of the nation, National Informatics Centre (NIC), the NODAL Organization of Government of India to introduce Computer-based MIS, fileless-office concept, electronic mail services and telematic services in the central, state and district government departments, has set up a satellite based Computer-Communication Network (NICNET) covering all Districts, State capitals and the Centre. This is facilitating the development of District Information system at District level (DISNIC) and essential databases for state and central government departments.

- Very large Computers (NEC-S1000) at the NIC Regional Centres (Delhi, Pune, Bhubaneswar, and Hyderabad).
- ND-550 or equivalent super mini computers at State capitals, for providing informatics service to the States.
- Super PC-AT computer systems at each District, to provide services to the District Administration.
- Mother Earth Station at NIC Hqrs., Delhi and a Micro Earth Station at each of NIC State Units and District Informatics Centres, for exchange of information via satellite (INTELSAT).

INFORMATION FLOW

Each District Informatics Centre has facilities to process information for monitoring socio-economic developmental activities within the District.

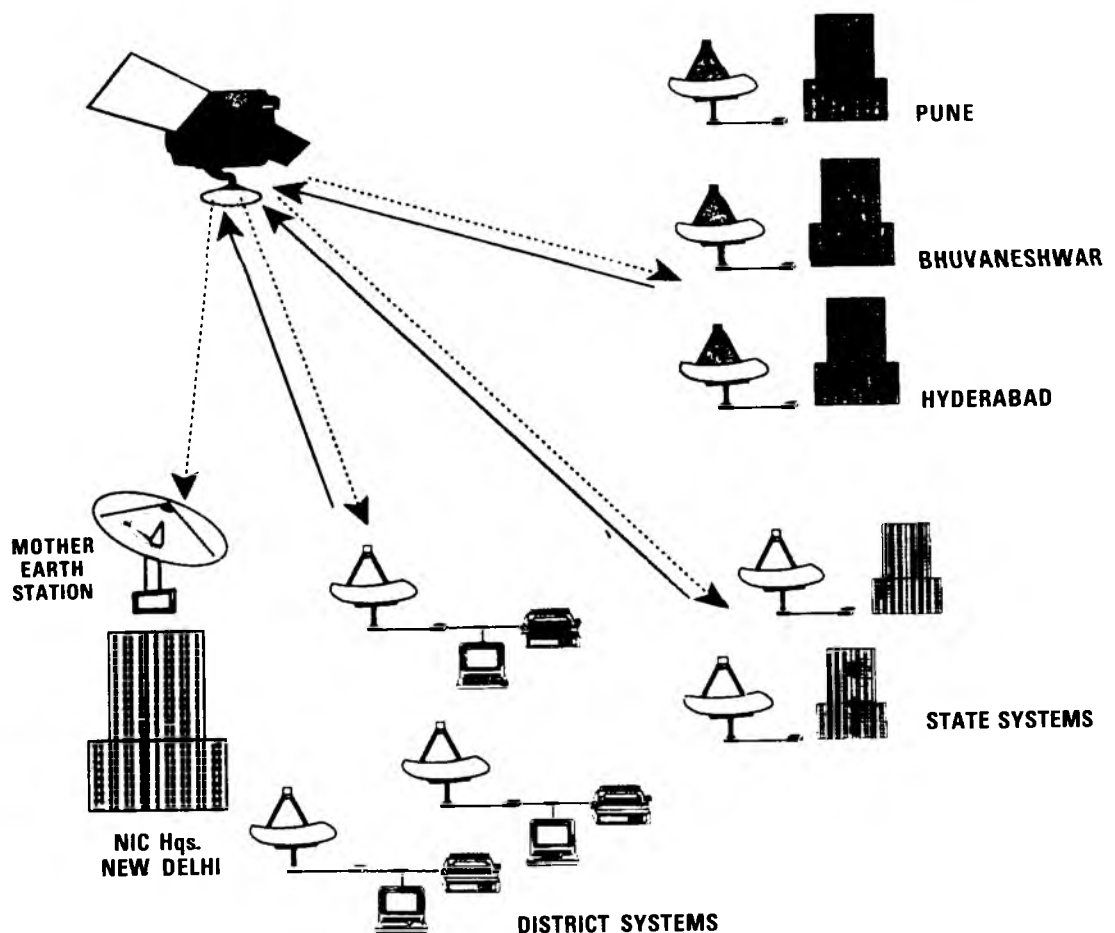
Each District Informatics Centre will have communication link with the State Informatics Centre for flow of information between the States and the Districts. Information exchange between Districts will be through the State systems only.

The State Informatics Centre will support all district systems and, in addition, support the State Government departments. It would provide interactive facilities to all the State Government departments and District Administrations.

The network has high reliability and would be available all the time for efficient information flow.

The State, Regional and National centres have facility to share loads and also serve as back-up to one another.

The Regional Centres provide technical support to the States in the respective regions. They provide specialized peripherals and high processing power for high level modelling and simulation studies. It will also serve as a repository for compilation of information on the State systems, if required. In addition, the centres have sophisticated Research and Development projects to develop relevant software tools to support District, State and Regional level requirements.



NICNET A Nationwide Satellite Based Computer-Communication Network

CHAPTER 3 DISTRICT INFORMATION SYSTEM OF NIC (DISNIC)

National Informatics Centre (NIC) has launched its District Information System programme (DISNIC) to:

- (i) develop the necessary information/data bases in various sectors of the economy for planning and decision making at the district level.
- (ii) promote informatics culture at the district level.
- (iii) improve the analysis capacity and the presentation of the statistics utilized for national, regional and district planning.
- (iv) develop modelling and forecasting techniques that are required for decision making for socio-economic development.

DISNIC facilitates easy collection, compilation, dissemination and on-line accessibility of information on several sectors of the economy at state level with the availability of qualitative information at all possible levels like

- (i) District
- (ii) Taluk
- (iii) Block
- (iv) Panchayat
- (v) Village

DISNIC also facilitates the building up of databases of national importance through active co-operation of the State Governments.

THE FUNCTIONAL COMPONENTS

The following sectors will be included for the development of MIS to begin with:

1. Revenue Recovery
2. Land Administration
3. Implementation of Housing Schemes
4. Functional Literacy Programme
5. Relief Works following Natural Calamity
6. Law and Order
7. Vigilance Cases
8. Pension and Welfare Schemes etc.

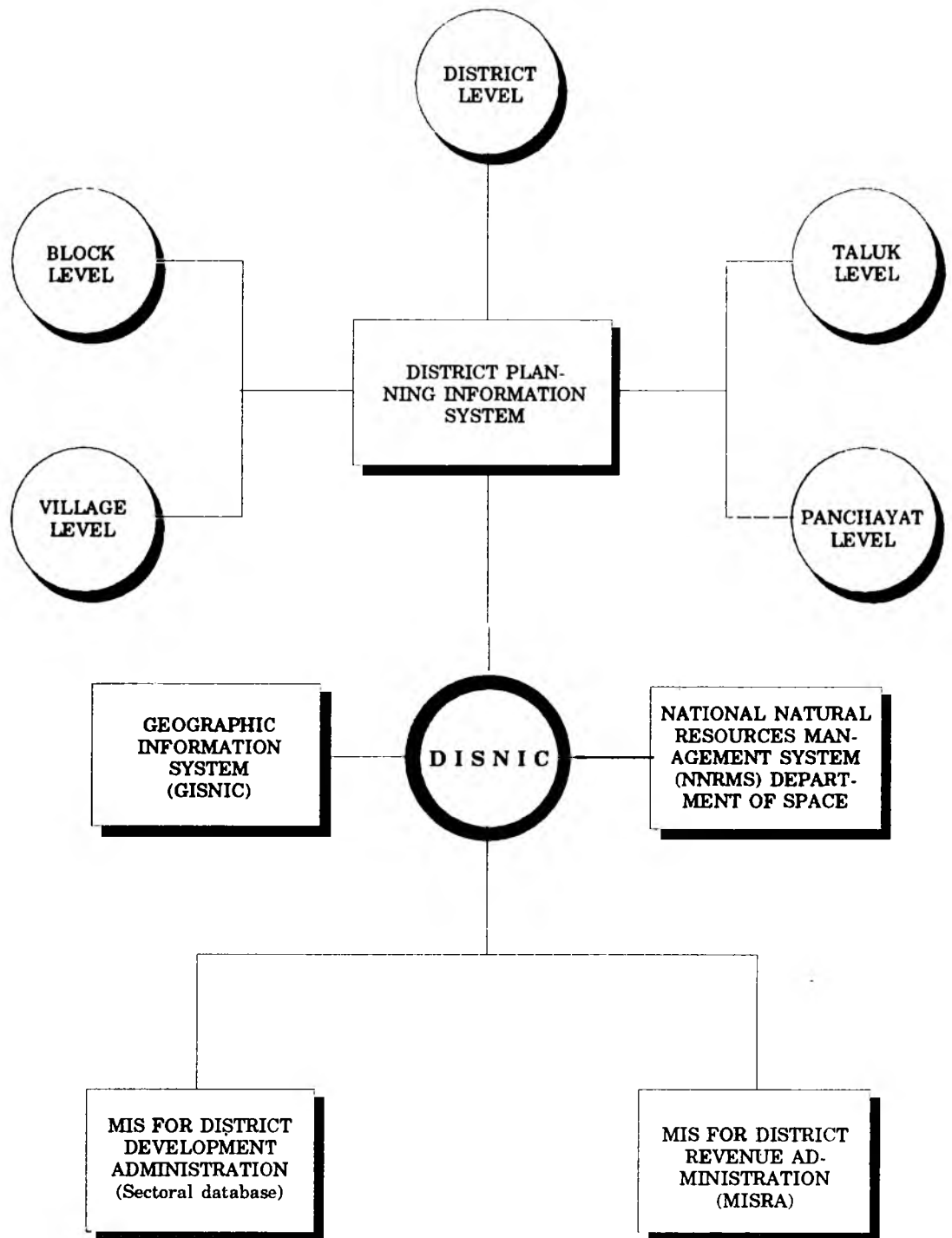


Figure 3.1:- Functional Components of DISNIC

The following sectors, among the others, are considered for the development of MIS to start with:-

- | | |
|----------------------------|------------------------------------|
| 1. Agriculture | 14. Panchayat |
| 2. Animal Husbandry | 15. Power |
| 3. Buildings and Works | 16. Public Instruction |
| 4. Civil Supplies | 17. Roads and Bridges |
| 5. Collegiate Education | 18. Rural Development |
| 6. District Planning | 19. SC/ST Development |
| 7. Employment and Training | 20. Environment, Forest & Wildlife |
| 8. Fisheries | 21. Social Welfare |
| 9. Ground Water | 22. Town Planning |
| 10. Health | 23. Transport |
| 11. Industry | 24. Water Supply |
| 12. Irrigation | 25. District Treasury |
| 13. Labour | 26. Co-operative Societies |

Geographic Information System (GIS), in its narrowest sense, is a system designed to store, manipulate and display the geo-referenced or geocoded data, capable of handling, analyzing and modelling both locational data and attributes or descriptive data about features. Maps are a natural component of a geographic information system as they organize spatial information for convenient use. Cartography, a graphical method of description and visual means of communication, is used for generation of various maps.

Emphasis in information processing in the 1960s was on hardware, in the 1970s on software, in the 1980s on databases, and now computer cartography is fast emerging as a superior tool in accessing and interpreting their contents. Computer cartography is a component of Geographic Information System. Among the various Cartography applications, some of the prominent ones include:

1. Maps of the landscape
2. Maps of the atmosphere
3. Population maps

4. Political maps

Remotely sensed data obtained from satellites and aircraft surveys are used to study and monitor natural resources, natural phenomena and the dynamic effects of human activities with them. Rapid, synoptic and accurate studies on crops, soil resources including growth, water potential, forests, environment and pollution, wastelands and land use, desertification and urbanisation, geology, mineral resources etc., are now feasible with satellite remote sensing and digital image analysis. DISNIC will utilise NNRMS for analysis and use at the district level.

Facilitates the District authorities to have the planning process at the District level. District Planning Information system (DISNIC-PLAN) has been designed to have a three level database containing development indicators of sectors of importance.

A report by the Committee of the Study Group on Information Gap, constituted by the Planning Commission, was submitted on 15th July'89. The committee in its suggestions has recommended that the NICNET facilities at the District level is to be effectively used for creating the essential databases through DISNIC for planning at the District, Block and Village levels; and proposed three proformae for information collection for micro level planning. These proformae have been titled as **“DISNIC proformae for information collection for micro level planning at District/Block/Village level”**.

CHAPTER 4 INFORMATION SYSTEM AT THE STATE LEVEL

INTRODUCTION

In all the States, a wealth of past data waiting for further analysis is available. These are either based on the censuses, sample surveys/studies, or available in the records maintained by the administrative functionaries. An examination of the existing statistical/information systems, right from the stage of inspection along with the state of the nature and the volume of the statistics/ information thrown by them, not only paves the way for introduction of computerization but also indicates some areas of improvement, especially, the system of feedback.

Data on all the co-related items are seldom available at one common place, accessible to various users. This also leads to the impression that the system is not able to provide the required and relevant information. For example, data on:

- School Education
- Collegiate Education
- Technical Education

are essential pre-requisites and should be available at one place for successful monitoring of Education sector.

Information system of the states arises from the data collected on various subjects by different departments/ agencies. The database for the information system is provided by:

- Censuses conducted at regular intervals of time.
- Regular and/or repetitive sample survey & studies.
- Ad-hoc surveys.
- Data flowing into State Government/Central departments to meet administrative and legal statutory requirements.
- Similar data originating from the functions in the local administration of government organization.

The compilation and presentation of data is generally according to the requirements of user organizations:

- Central/State Ministries
- Planning Commissions/Boards
- State Planning Organizations
- Departmental Heads at various levels of hierarchy in the administrative set up
- Research Institutes, etc.

Some of the important censuses, sample surveys and studies, which contribute largely towards the constitution of the major information base at the States, are as follows:

(A) Censuses:

1. Population census.
2. Agriculture census.
3. Livestock census.
4. Economic census.
5. Census of government employees.
6. Traffic census.
7. Census of small scale industries.
8. Registration of births and deaths.
9. Census of village amenities.
10. Annual Survey of Industries (census sector).

(B) Sample surveys and studies:

1. National Sample Surveys.
2. Annual Survey of Industries (sample sector).
3. Sample surveys of registration of births and deaths
4. Distributive trade survey.
5. Ad-hoc surveys conducted by State Directorates of Economics & Statistics and various other Research Institutes/Organizations in the State.
6. Data collected by statutory and other commissions/committees appointed by State Governments.

**PRESENT
SCENARIO IN
INFORMATION
COLLECTION**

Central Government and its agencies collect administrative statistics in respect of:

- climate and rainfall,
- production of major minerals,
- industrial production,
- exports and imports,
- transport by railways, air, inland, water and sea,
- communications,

- commercial banks,
- insurance,
- joint stock companies,
- tourism and
- fiscal statistics relating to income tax, excise duty, customs duty, etc.

State Governments collect the administrative statistics on:

- agriculture,
- irrigation,
- animal husbandry,
- dairying,
- forestry,
- fisheries,
- cooperation,
- production of minor minerals,
- electricity,
- water supply,
- small scale industries,
- transport,
- public finance,
- vital statistics,
- labour statistics,
- **education,**
- health and family welfare etc.

Many States maintain statistical abstract on annual basis with respect to District/State level on the following:-

- agriculture
- live stock
- irrigation
- fisheries
- forestry
- employment
- **education**
- health
- industry
- government employees
- local bodies
- population, etc.

It has been learnt that state-wise statistics are not maintained by certain central agencies/ departments due to their administrative set up or for their field of operation extending to more than one state or where their jurisdiction may not be coterminous with the state boundaries. Certain important statistics (import/ export) (related to the state) pertaining to the central ministries are published regularly in Statistical Abstracts to enable the users to get information under one source with a long time gap. Flow of information with such a long time gap reduces its usability.

While statistics collected by the state flow to the centre, it is not always the case that those collected by the Central Government and its agencies become available to the states. Regular flow of data from Central Agencies to concerned state, with the minimum possible time gap, is very much essential for planning, evaluation of development programmes and formulation of programmes/ measures for the welfare of areas and classes of people at regional/state level.

Over the years, an increasing emphasis has been placed on multilevel planning, from the national to the state to the district and to the block level. Multilevel planning presupposes availability of relevant information at different levels in a disaggregated form at as many of these levels as possible. Statistical information for a number of sectors is collected by state governments and is, therefore, available at the state and lower levels; a large part of information on important aspects falls within the purview of the Central Government, and the corresponding administrative statistics are not available at these levels.

It is readily appreciated that the statistical offices of the Central Government may not always have the necessary resources for printing and publishing the information on various levels but it is possible with computerization to exchange the information at various levels, when demanded, through NICNET.

CHAPTER 5 EDUCATION INFORMATION SYSTEM

OVERVIEW Education is a prerequisite for progress and development. And, in the order of priorities, Education has been accorded a high priority as an integral part of country's developmental process. Due to concerted efforts during the last four decades of independence, a four-fold increase has been registered in the total number of literates. With the increase of more than four times in the number of pupils in the primary schools, the number of such schools has also more than doubled. The number of universities has also gone up by more than five times. Together with the quantitative expansion of educational facilities, there is now a greater emphasis on qualitative improvement.

Before 1976, Education was exclusively the responsibility of the States, the Central Government being concerned with certain areas like co-ordination and determination of standards in Technical and Higher Education, etc. In 1976, through a constitutional amendment, Education became the joint responsibility of both the Central and State Governments.

During the Seventh Plan, the main thrust of educational activities is towards promotion of quality and excellence, gearing the education system to meet the challenges of emerging areas of Science and Technology, providing wider opportunities for vocational education at different levels and restructuring the education system to encompass the development of the Country's Human Resources potential. The new design for Education, while aims to meet the challenges of the 21st century, will also seek to provide a strong base for national system of Education, rooted in scientific humanism, secularism and pride in the rich cultural heritage.

In India, there are about 9.71 Lakhs Educational Institutions imparting education in various disciplines to about 14.63 Crores of Students, involving an Expenditure of more than Rs.8000 Crores.

The Department of Education in the Ministry of Human Resources Development (HRD) is responsible for the overall development of Education in the Country in close co-operation with the State Governments and UT Administrations. The important functions of the Department of Education are as follows :-

- ... to evolve Educational policy in all aspects and to co-ordinate and determine the standards of Higher Education and Technical Education;
- ... to administer Copyright Act;
- ... to improve the quality of Text Books;
- ... to administer Scholarships and other schemes;
- ... to co-ordinate programmes of assistance and other activities with the UNESCO;
- ... to develop and co-ordinate research in Social Sciences;
- ... to foster and encourage studies and research in Sanskrit and other classical languages;
- ... to develop activities in the field of Non-Formal Education;

... to promote Adult Education.

Human Resources Development (HRD) calls for co-ordinated and all-round efforts for the development of Human Potential in the areas of Education, the Youth, Women and Children, Arts, Culture and Sports. The National Policy on Education (NPE)-1986 emphasises the need to further intensify the nationwide efforts in Human Resources Development with Education playing its multi-faceted role. The Department of Education has set up, over a period, following Subordinate Offices, Autonomous Organisations, and Educational Institutions (Central Universities) for co-ordination, and determination of Standards in (Higher) Education, etc.

- ... National Council of Educational Research and Training (NCERT), New Delhi
- ... National Institute of Educational Planning and Administration, New Delhi
- ... Indian Council of Social Science Research, New Delhi
- ... Indian Council of Historical Research, New Delhi
- ... Indian Council of Philosophical Research, New Delhi
- ... Kendriya Vidyalaya Sangathan, New Delhi
- ... Navodaya Vidyalaya Samiti, New Delhi
- ... Central Board of Secondary Education, New Delhi
- ... Central Institute of Indian Languages, Mysore
- ... Kendriya Hindi Sansthan, Agra
- ... Central Institute of English and Foreign Languages, Hyderabad
- ... Central Hindi Directorate, New Delhi
- ... Commission for Scientific and Technical Terminology, New Delhi
- ... Rashtriya Sanskrit Sansthan, New Delhi
- ... National Book Trust, New Delhi

- ... Aligarh Muslim University (AMU)
- ... Banaras Hindu University (BHU)
- ... University of Delhi
- ... University of Hyderabad
- ... Indira Gandhi National Open University (IGNOU)
- ... Jawaharlal Nehru University (JNU), New Delhi
- ... North-Eastern Hill University (NEHU)
- ... Pondicherry University, Pondicherry
- ... Vishwa Bharati
- ... Jamia Millia Islamia (JMI), New Delhi

NPE-1986 has spelt the Government's Policy on the following areas related to the Educational Development in the Country:-

- ... Making the System Work
- ... Content and Processes of School Education
- ... Education for Women's Equality
- ... Education of the Scheduled Castes, Scheduled Tribes, and other Backward Sections
- ... Minorities' Education

- ... Education of the Handicapped
- ... Adult and Continuing Education
- ... Early Childhood Care and Education
- ... Elementary Education (including NFE and 'Operation Blackboard')
- ... Secondary Education and Navodaya Vidyalayas
- ... Vocationalisation
- ... Higher Education
- ... Open University and Distance Learning
- ... Technical and Management Education
- ... Research and Development
- ... Media and Educational Technology (including use of Computers in Education)
- ... De-linking degrees from jobs and Manpower Planning
- ... The Cultural Perspective and Implementation of Language Policy
- ... Sports, Physical Education & Youth
- ... Evaluation Process and Examination Reform
- ... Teachers and their Training
- ... Management of Education
- ... Rural Universities/Institutes

Ministry of Human Resources Development has set up Task Forces on above areas to prepare the Programme of Action (POA). Eminent Educationists, Experts and Senior Representatives of Central Governments and State Governments were associated with the Task Forces.

Educational Planning is needed to be linked to Manpower Planning by setting up mechanisms for assessing the needs of the Industry, Commerce, professional services, Agriculture in the context of the Technological trends and growth strategies. Hence it is required to develop a multi-level Educational planning model with decentralisation and autonomy at State, District, Block, and Village. A multi-level Educational Planning Model requires a decentralised but integrated Education Information System.

Education Information System has the following components :-

- ... Institutional Information
- ... Information on Monitoring and Evaluation of various Plan schemes
- ... Information on Budget and accounts

Educational Institutions are primary sources of Information generation. At the National Level, the following Organisations/Agencies collect the Information on Educational Development :-

- ... Department of Education, Ministry of Human Resources Development, Government of India,
- ... University Grants Commission (UGC),
- ... National Council of Education Research and Training (NCERT),
- ... Indian Council of Social Science Research (ICSSR),
- ... Registrar General of India (RGI),

- ... National Sample Survey Organisation (NSSO),
- ... Directorate General of Employment and Training (DGET),
- ... Indian Institute of Applied Manpower Research (IAMR),
- ... All India Council of Technical Education (AICTE),
- ... Association of Indian Universities,

The Planning Commission receives information on both financial and physical aspects of Adult and Elementary Education which are included under Minimum Needs Programme (MNP) of the Education Sector on a quarterly basis. Periodical reports are also received (ir)regularly from the States and found to be inconsistent with the data obtained from the other sources. The Planning Commission also gets data for Annual and Five Year Plan exercises for both financial and Physical aspects of all the Schemes in the Education sector. The Expenditure data comes from the respective Planning Departments. However, there are problem of integration and classification of plan scheme and projects which results in incorrect reporting.

Under the Following Heads of Development (Social Services), the Planning Commission allocates the Central Plan Finance for the Educational Development :-

1. Elementary Education (Pre-primary, Primary, Middle Education)

- ... Direction and Administration
- ... Equipment
- ... Maintenance of Buildings
- ... Government Primary Schools
- ... Assistance to Non-Government Primary Schools
- ... Inspection
- ... Non-Formal Education
- ... Teachers and other Services
- ... Teachers Training
- ... Text Books
- ... Scholarships and Incentives
- ... Examinations
- ... Other Expenditure

2. Secondary Education

- ... Direction and Administration
- ... Research and Training
- ... Equipments
- ... Maintenance of Buildings
- ... Inspections
- ... Non-Formal Education
- ... Teachers and Other Services
- ... Teachers Training
- ... Text Books
- ... Scholarships

- ... Examinations
- ... Government Secondary Schools
- ... Assistance to Non-Government Secondary Schools
- ... Assistance to Local Bodies for Secondary Education
- ... Other Expenditure

3. University and Higher Education

- ... Direction and Administration
- ... Assistance to Universities
- ... Government Colleges and Institutes
- ... Faculty Development Programme
- ... Text Books Development
- ... Scholarships
- ... Institutes of Higher Learning
- ... Other Expenditures

4. Adult Education

- ... Direction and Administration
- ... Grants to Voluntary Organisations
- ... Shramik Vidya Peeths
- ... Rural Functional Literacy Programmes
- ... Other Adult Education Programmes
- ... Other Expenditure

5. Technical Education

- ... Direction and Administration
- ... Training
- ... Research
- ... Inspection
- ... Assistance to Universities for Technical Education
- ... Technical Schools
- ... Assistance to Non-Government Technical Colleges and Institutes
- ... Polytechnics
- ... Book Promotion
- ... Scholarships
- ... Examinations
- ... Engineering/Technical Colleges and Institutes
- ... Other Expenditure

6. Physical Education

- ... Direction and Administration
- ... Physical Education
- ... Youth Welfare Programmes for Students
- ... Youth Welfare Programmes for Non-Students
- ... Sports and Games
- ... Other Expenditure

7. Medical Education, Training, and Research

- ... Ayurveda
- ... Homeopathy
- ... Unani
- ... Sidha
- ... Other Systems
- ... Allopathy

The Ministry of Programme Implementation (MPI) monitors the 20-Point Programmes/Schemes related to the Sector of Educational Development, on quarterly basis. It has been informed that several efforts have been made in the past to introduce system of monitoring and evaluation of Programmes on Adult and Elementary Education.

The Department of Education is bringing out a Publication “**Analysis of Budgeted Expenditure on Education**”, which gives an extensive review of Budget Accounts. But there are variations in concepts and definitions which make it difficult to integrate physical and financial information for monitoring and evaluation.

EXTENDED OF AVAILABILITY OF DATA AND MAJOR GAPS

In the process of Educational Planning, collection and analysis of relevant information relating to the Education System and related Socio-economic factors, are one of the basic elements for providing the quantitative foundation for projections regarding the future developments of the Education System.

- ... One of the essential factors in all educational planning is, of course, adequate statistical information about the structure of the population, to provide quantitative frame work within which the educational development has to be projected and implemented. In the first place, figures needed about the total population, with a distribution with Sex and Age. The age classification should fit within the normal; Age limits relates to various levels of education. For District and Block level planning, population by Sex, Age, Urban and Rural are needed for each administrative units.
- ... The general objective of educational planning as far as labour force is concerned, must be to establish an educational organization, which in a given time is capable of providing the Country with an adequate number of each type of qualified Manpower, needed for the projected economic and social development. Data are required about the economically active population by industry and educational attainment.
- ... Statistics of educational institutions from Pre-primary to the University level of institutions, by type of management, Urban and Rural, level of education etc. are needed for assessing the existing facilities and future needs of development of education.
- ... Statistics of Teachers are essential data which are required for all levels/types of education separately. The age distribution of the present teaching staff is of special importance for the estimation of the future losses by death and retirement. Information on the number of teachers by qualification and length of service is also essential for planning purposes. Teacher-Pupil ratio by level of education is another important information that is required for assessing the efficiency of the education system.

- ... It is necessary to have data for all relevant levels and types of Education, about the number of classes with in each grade, having a regional distribution, particularly distinguishing between urban and rural areas and information about frequency distribution of classes according to the pupils enrolled.
- ... Number of students by Sex, Age and Grade for each level and type of Education are essential for Education Planning.
- ... Statistics of SC/ST and other Backward Students in schools/colleges, their enrollment ratio, stagnation and drop-out rates, Scholarships and financial concessions etc., are the valuable information for social planning.
- ... Information on the existing physical facilities in schools / colleges in terms of land, building and equipments etc., are of vital importance in the field of education planning.
- ... Expenditure on Education by source and by type of expenditure (recurring and non-recurring) are essential for estimating the per pupil cost of education. The per pupil cost in the different levels of education can be used in estimating the operational projected educational programme.

**BLOCK LEVEL
DATA ON
EDUCATION**

Since educational facilities have very important bearing on the economic life of an area or community, their development will have to be planned with particular care. For this, it would be necessary to :-

- ... assess the comparative backwardness of different areas or communities in terms of the availability of facilities for Primary, Secondary, Vocational and Adult Education as well as libraries and reading rooms.
- ... gather informations on the facilities available in educational institutions in terms of buildings, furniture, equipments, laboratories, play grounds, libraries etc.
- ... study the problem of under utilization or over utilization of the existing institutions facilities and equipments.
- ... indicate the areas and the direction in which the provision of facilities for schooling should be augmented / improved on a priority basis.

To meet the requirements of Educational Planning at the Block level, data on the following are needed:-

- ... Which of the Panchayat / Block have comparatively less facilities for Primary, Upper Primary, Secondary, College, Adult and Vocational Education?
- ... How many institutions of the type enumerated above have come up during the past plan periods in each of the Panchayat/Block?
- ... What types of Educational institutions are being run by the Government, Local Bodies and Private Agencies in Panchayat/Block?

- ... How many Lower Primary/Upper Primary/High School in each Panchayat/Block do not have their own buildings or have adequate accommodation or are without other essential facilities such as laboratories, play grounds etc.?
- ... Has the problem of under utilization of buildings, other available facilities have observed in any Panchayat/Block or particular type of institution? Has the problem of oversized or undersized classes been observed anywhere?
- ... Which are the Panchayats/Blocks in which educational facilities of different categories should be extended on priority basis?
- ... Is there a sizable problem of drop-outs in Primary and Secondary level of education? Which are the Panchayat / Block where the problem is more acute ?
- ... What is the state of education of the Scheduled Caste and Scheduled Tribe children Panchayat/Block-wise ?

Regarding Higher Education over and above, the following details are required:-

- ... The construction details
- ... Institution-wise Enrollment
- ... Physical facilities (Laboratory, Library etc.)
- ... Details of Teaching and Non-teaching staff
- ... The analysis of examination results for each subject (number appeared and passed)
- ... The number of application, sanctioned seats, actual number admitted etc. for each subject and group.

**THE PRESENT
SCENARIO OF
INFORMATION
COLLECTION
BY THE
CENTRAL
GOVERNMENT**

The University sophistication of the Indian economy as well as constant improvement to the techniques of economic management and of planning has led to the over growing demands of the compilation as well as analysis of data. In the context of Planned Social and Economic development, the necessity for accurate and reliable information is being felt almost at all levels. At present, information system suffers from following deficiencies:-

- ... gaps in coverage
- ... time lag in the availability of data
- ... lack of consistency in the seemingly same data produced by different agencies
- ... poor quality of data
- ... lack of uniformity, identification and classification
- ... defects in the primary reporting agencies
- ... inadequate supervision and checking
- ... lack of coordination of the different statistical agencies

Education being a key factor of Economic Growth and Social Development, its Planning and administration are of vital importance in any stage of National Development. **Education statistics play a prominent role in formulation, implementation and evaluation of educational plans and programmes.**

To meet the requirements of Educational Planning, a wide range statistical information relating to Education Sector and related socio-economic factors and a series of Projections are essential.

The systematic collection of Educational Statistics in All-India level began with the Report of the Education Committee (1882). Since then, quinquennial reviews of the progress of Education in India were published. Annual statistics were also published for every year except for those where quinquennial reports were issued.

The collection and publication of educational statistics at All India is the responsibility of the Department of Education, Ministry of Human Resources Development, Government of India. By the introduction of planning in India, the need for a wider range of educational statistics at the country and state level was keenly felt. In 1949-50, the basic mode of collection of educational statistics was changed. Annual and quinquennial reports were discontinued.

The Central Ministry of Education introduced 'FORM A' and 'FORM B' to collect detailed statistics of School Education and University Education respectively from different States and Union Territories. The 'FORM A' was revised in 1964-65 and replaced by 'FORM A' (Comprehensive statistics of School Education), 'FORM A1' (Statistics of SC and ST students) and 'FORM A2' (Supplementary information required for planning). FORM B was also revised for incorporating more tables regarding University Education. In 1974- 75, new forms ES-1 to ES-7 were introduced in the place of Forms A, A1 and A2 with a view to simplify the mode of collection and to reduce the time-lag in the publication of All-India Statistics on Education.

The main source of Educational Statistics in India is **EDUCATION IN INDIA** published by the Department of Education, Ministry of Human Resources Development, Government of India. This Annual publication contains three volumes.

...	Volume - I	Statistics at the State level and deals with numeric data.
...	Volume - II	Financial data
...	Volume - III	Statistics of Examination Results.

There is a time lag in the publication of 'Education in India'. With the view to meet the urgent requirements of the Government and the Planning Commission, the Ministry of Education has started the publication 'SELECTED EDUCATIONAL STATISTICS' annually. The Department of Education is also engaged in the publication of Educational Statistics on District-Wise basis.

The National Council of Educational Research and Training (NCERT) releases several kinds of publications incorporating statistics of educational situation in the Country and in the States. Important, among them, are :-

- ... the reports on the educational surveys.
- ... cohort studies on several projects of educational importance.
- ... studies on drop-outs and stagnation.
- ... year book of education etc.

NCERT has conducted educational surveys in all the States in India. The All-India Educational Surveys were conducted in 1957, 1965, 1974, 1978. The reports of the educational surveys contain valuable information regarding :-

- ... the existing level of growth of education.
- ... expenditure of schools.
- ... physical facilities in schools.
- ... school-class habitation.
- ... education in rural areas etc.

The main source of data regarding University Education in India and in different States is the annual publication 'EDUCATION IN UNIVERSITIES IN INDIA'. The publication gives :

- ... the details of Universities in India
- ... the number of Universities
- ... University teaching Department
- ... Colleges by type
- ... Enrollments
- ... Teachers
- ... Examination Results
- ... Income and Expenditure of the Universities and Colleges etc.

Some other agencies dealing with the Educational Statistics are the Indian Council of Social Science Research (ICSSR) and the offices of the Commissioner of SC and ST. ICSSR plays a vital role in conducting research studies on several problems of Educational importance. The Commissioner of SC/ST makes annual reviews of the Education of the SC/ST in different states.

FACILITIES FOR EDUCATIONAL DEVELOPMENT AT STATE LEVEL

The annual budget of the Department of Education is the biggest budget amongst all State Government Departments in many states. Out of this, 90% of the budget is for the Department of Elementary Education.

Education is a prerequisite for Progress and Development. And, in the order of priorities, Education has been accorded a high priority as an integral part of country's developmental process. Due to concerted efforts during the last four decades of Independence, a four-fold increase has been registered in the total number of literates. With the increase of more than four times in the number of pupils in the primary schools, the number of such schools has also more than doubled. The number of Universities has also gone up by more than five times. Together with the quantitative expansion of educational facilities, there is now a greater emphasis on qualitative improvement.

One need not overemphasize the importance of **educational data** in connection with the process of planning, monitoring and evaluation of different types of educational programmes. With the passing of National Education Policy (NEP) by the Parliament, the requirements of a sound database have increased considerably in addition to its timely availability.

Education is crucial input in the process of Development of Human Resource. Economic and Social Development plans of India have invariably stressed that, for the improvement of the quality of life of every individual, there has to be investment. The Government is, therefore, keen that Education should find its right place in National Planning and the Investment in Education should reflect its pivotal role.

Under DISNIC-EDUCATION programme, the following aspects of the Education Sector have been studied in depth for the development of an Integrated Information System at the district level to begin with :-

- ... GENERAL EDUCATION
 - .. Primary Education
 - .. School Education
- ... COLLEGIATE EDUCATION
- ... TECHNICAL EDUCATION
- ... MEDICAL EDUCATION
- ... ADULT EDUCATION
- ... NON-FORMAL EDUCATION

The different types of data is collected at present from the various Departments of the Education at District/Taluk/Block levels in different periodicity. Collection and transmission of the data is from the lowest Administrative level to the State level.

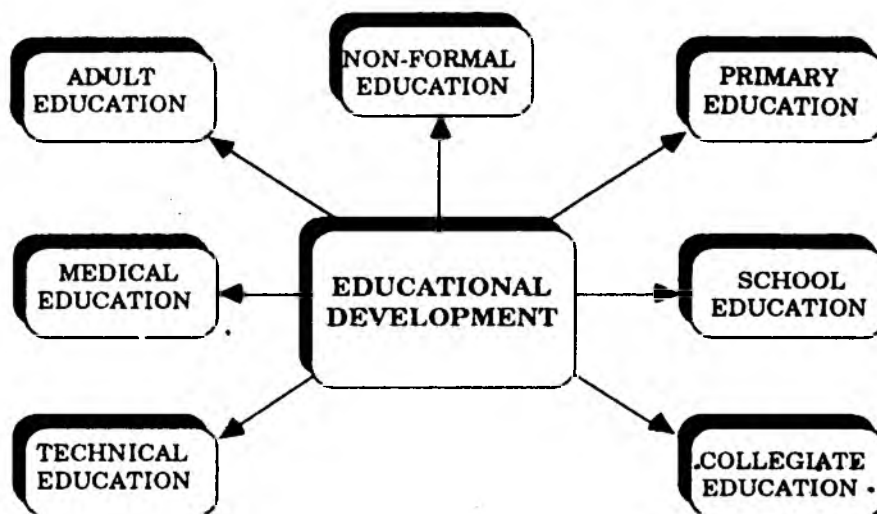


Figure 5.1: Overview of Education System in the State

GENERAL EDUCATION

Under General Education Sector, the Information Analysis has been undertaken in the following areas:-

- ... Primary Education
- ... School Education (Class VIth to XIIth)

PRIMARY EDUCATION

Universalization of Elementary Education has been one of the goals of Educational Development. Provision of free and compulsory education to all the children until they complete the age of 14 years, is a directive principle of the Constitution. **It is a part of Minimum Needs Programme as well as the 20 point programme.**

The Policy embodies the concept of National System of Education that lays emphasis on elimination of disparities in the educational system and on improvement in the quality of publicly funded schools so that whatever the Socio-Economic background of the system, may be upto a given level, the student has access to education of a comparable quality.

The scheme for a substantial improvement in facilities in Primary Education has been symbolically named as OPERATION BLACKBOARD (OB). OB lays down the minimum level of facilities to be provided in all Primary Schools which have been established so far, and it also prescribes the minimum level of funding for all new primary schools to be opened in future. There are three independent components of OB as follows :-

- ... Provision of at least two reasonably large rooms that are usable in all weather with a deep varandah alongwith separate toilet facilities for boys and girls.
- ... Provision of at least two teachers, as far as possible one of them to be a women in every Primary School.
- ... Provision of essential teaching and learning materials including blackboards, maps, charts, a small library, toys and games, and some equipment for work experience.

OB has been planned to be implemented in Municipal Areas as well as Villages. Its scope has been confined to primary schools (viz. schools upto class IV or V depending upon the structure in different States/UT's). Upper Primary Schools and Secondary Schools, even if they have classes I to IV/V, are not covered under this scheme.

SCHOOL EDUCATION

The School Education consists of following types of educational institutions to cover upto 10+2 schemes of education :-

- ... Primary/Junior Basic Schools
- ... Middle/Senior Basic Schools
- ... High/Post Basic Schools
- ... Higher Secondary Schools (Old Pattern)
- ... Higher Secondary Schools (10+2 New Pattern)
- ... Intermediate/Junior Colleges
- ... Teacher's Training Schools

As the School Education is under the control of D.E.O. in the district, DEO will be in a position to get the information collected from all the Recognised Schools. Information pertaining to the income and expenditure, and maintenance information can be had from the District Treasury as well as District Development Offices/Block Development Offices.

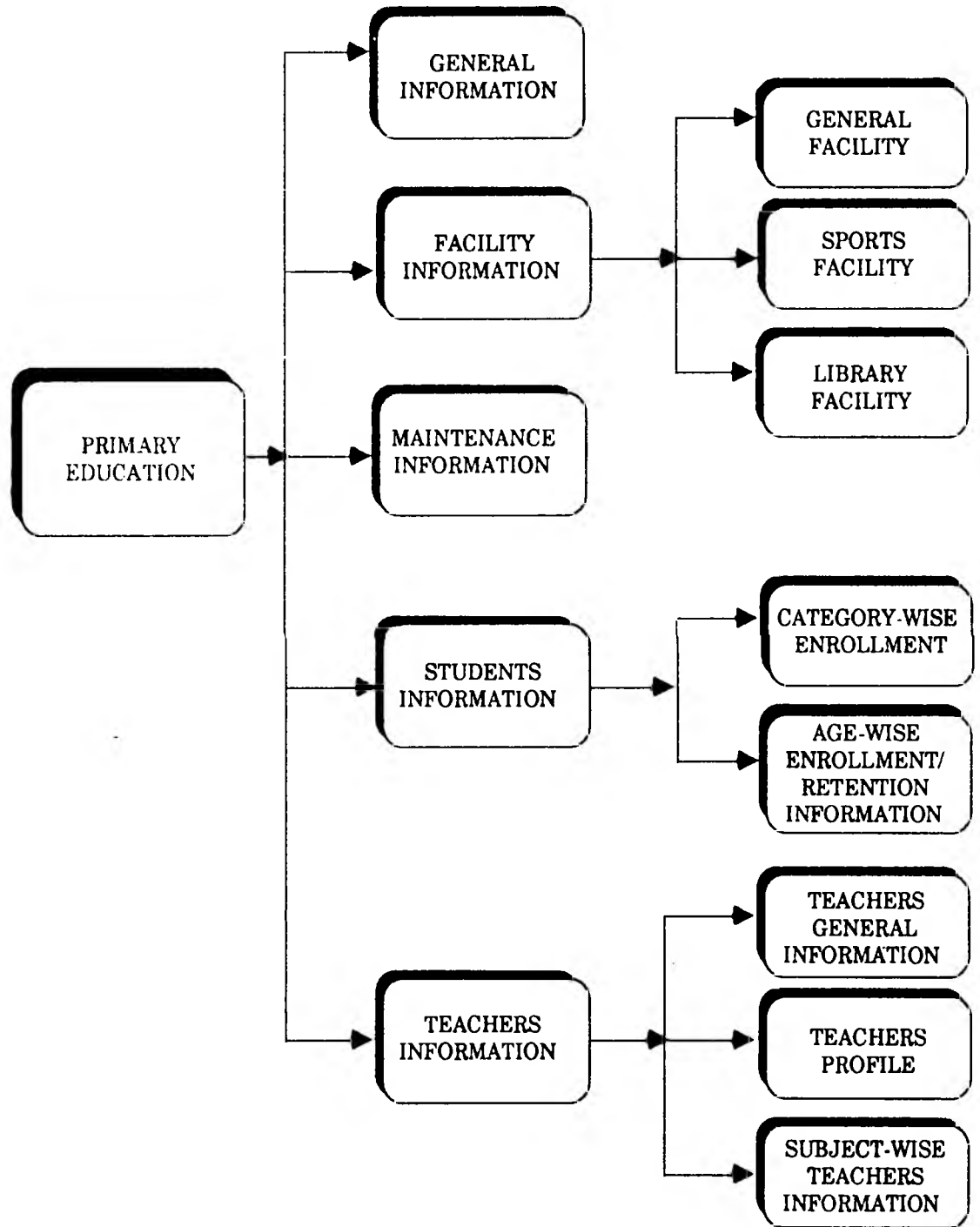


Figure 5.2 :- Overview of Primary Education Database Files

The need for comprehensive data on Educational Statistics was keenly felt in view of the Educational policies and implementation of development programmes. The Statistical unit in the Directorate is engaged in the collection and compilation of educational statistics as required by the Department of Education, Government of India in FORMS ES 1 to ES 7 in addition to requirements of State Government.

- ... ES 1 - Numerical Data
- ... ES 2 - Financial Data
- ... ES 3 - Examination Result
- ... ES 4 - Statistics of Education of Scheduled Castes and Scheduled Tribes
- ... ES 5 - Educational Statistics (District-Wise)
- ... ES 6 - Quinquennial Collection
 - Part I - Numerical Data
 - Part II - Financial Data
- ... ES 7 - Numerical and Financial Data

The details are collected from individual Schools in the State. The consolidated statements are sent to the Deputy Directors/DEOs for consolidation at the Revenue District level. The collection and consolidation of High Schools and Training Schools is the responsibility of the Deputy Director/DEOs in each Revenue District.

The State level consolidation of the data of Primary and Secondary Education is being done at the Directorate. The immediate requirements of the Department are met by the following annual statistics series prepared by the Directorate of Public Instructions :-

- ... Enrollment in Schools as on the 6th working day.
- ... Statistics of Teachers as on 15th July.
- ... Provisional Education Statistics.
- ... List of Schools in the State.
- ... Administrative Report.
- ... Guide Book.
- ... Statistics of Linguistic Minorities (due to Commissioner of Linguistic Minorities).
- ... Statistics of SC/ST (due to Commissioner of SC/ST).

Enrollment ratio is a major indicator of educational development for which single age-wise enrollment in each standard as well as single age-wise population are necessary. At present, only sexwise and standard-wise enrollment figures are available. The system of collection may be changed so as to have the single agewise enrollment figures.

It has been felt that information pertaining to teaching staff will be helpful to District Education Officer in discharge of his administrative functions and as such an individual profile of teachers have been made available.

A number of Centrally Sponsored/Centrally Assisted Schemes are being implemented in schools for improvement of infrastructure and providing basic facilities to teachers and students. It will be beneficial to study the benefits accrued from these schemes on a long term basis.

SCHEMES / PROGRAMMES

The following Schemes/Programmes are being implemented in the State through the Department of Public Instructions:-

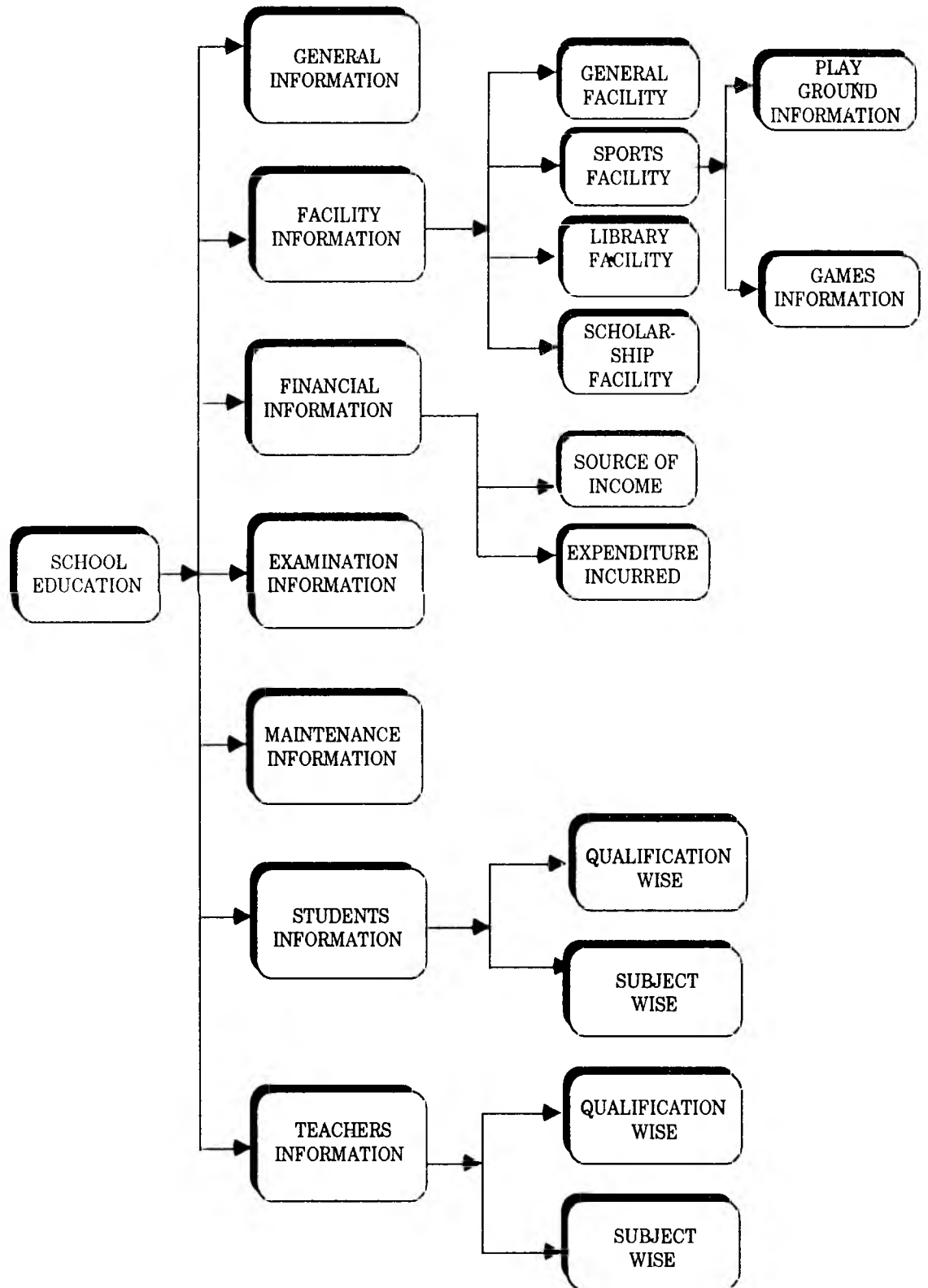


Figure 5.3 :- Overview of School Education Database Files

This scheme has been implemented with the aid of CARE from 1961 onwards to supply food to students studying in 1st to 5th standards. The ration for each student is 80 Gms. food grains and 5 Gms. oil.

Under this programme, in each Village, Youth between 25 and 35 are grouped and given help and guidance in Socio-Economic activities and full encouragement in Arts & Sports activities. For implementing this Programme, a Youth Welfare Director in the same cadre of Deputy Director is given full charge in many states.

Taking into account the capability and dedications of the Teachers, National and State Awards are given to them. Teachers are selected for the National Award after having a deep study of their service records and recommendation from the State Government. National and State Awards are given to Primary and Secondary School Teachers.

A Text Book Unit is functioning, which prints text books and note books and supply to the students in time. A Text Book Officer is in charge of this unit and is assisted by a Note Book Officer. Text books are distributed through various centers located in the State. From these centers, through District Depots, and Sub-District Educational Officer, these books come to the School cooperative Societies, for distribution to the students.

Physical Education and Sports are today accepted as an integral part of education all over the World. NPE-1986 enjoins upon the Central and State Governments to accord high priority to promotion of Sports and Physical Education in the process of all round development. the Policy also recognises the need for building a Nation-wide infrastructure for Physical Education, Sports and Games consisting of play fields, equipments, coaches and teachers of Physical Education as a part of School Improvement Programme (SIP).

HIGHER EDUCATION

Under HIGHER EDUCATION Sector, the information analysis has been undertaken in the following areas:-

- ... Collegiate Education
- ... Technical Education
- ... Medical Education

NPE-1986 also envisages the establishment of a National Apex Body structured on the lines of UGC, covering Higher Education in general, Agriculture, Medical, Technical, Legal, and other professional fields for greater co-ordination and consistency of policy, sharing of facilities, and developing inter-disciplinary Research. At present, the Responsibility for Development of Higher Education is shared by a number of Agencies and hence separate structure for Higher Education in Agriculture, Engineering and Medicine.

National Academy of Medical Sciences (India) was established in 1961 as the Non-Official Body Of Biomedical Scientists with the object of promoting the growth of Medical Sciences and recognition and encouragement of merit in Medical Sciences. The Indian Council of Medical Research (ICMR) is an Apex Body in the country for formulation, co-ordination and promotion of Bio-Medical Research Programme in the country.

National Policy on Education (NPE)-1986-Programme of Action envisages that the database on Research in the Institutions of Higher Education is a must for better coordination and planning, as also to reduce wastage of efforts, improve efficiency and generally to tone up the quality of Research and also to get an idea of cost-effectiveness. This database will provide/seek information and support to/from the National R&D database.

The database on Research in Institutions of Higher Education is expected to have the following information in the form of project profiles:-

- ... Title of the project
- ... Objectives
- ... Constraints
- ... Equipments needed
- ... Sponsor (Source of Funds)
- ... Principal Investigator
- ... Co-investigator
- ... Research Staff
- ... Name of the University
- ... Site for the Project
- ... Duration of the Project
- ... Grants
- ... Related Projects

Every Research Unit is expected to have a database and linked with Local, Regional, State, National and International Network. It will also strengthen coordination and interdisciplinary research among various Universities. The Ministry of HRD, in consultation with UGC and All India Council of Technical Education (AICTE), is working on the University Information Network.

The Open University System **augments** opportunities for Higher Education, ensures access, is cost-effective and promotes a **flexible** and innovative system of Education.

COLLEGIATE EDUCATION

Higher Education (General other than Medicine and Engineering and Technology), also known as Collegiate Education, is being provided by the following types of Institutions in States :-

- ... Colleges affiliated to Universities
- ... Universities
- ... Institutions deemed to be Universities
- ... Open Universities like IGNOU
- ... Agricultural Universities/Colleges
- ... Directorates of Correspondence Courses in Universities
- ... Research Institutions

Higher Educational Institutions are under the control of Universities or National Institutions as the case may be and receive funds from UGC, State Governments or Central Government. UGC and State Governments collect and analyse the related information.

Agricultural Universities/Colleges are under the Control of Universities or National Institutions as the case may be and receive funds from UGC, ICAR, and State Governments. ICAR, UGC and State Governments collect and analyse the related information.

The Department of Collegiate Education is governing both Administrative and Educational activities of Collegiate Education. This Department is under the direct control of the Director of Collegiate Education. All the Government Colleges are directly under the Administrative control of the Director of Collegiate Education.

The main functions of Directorate of Collegiate Education, among the others, are :-

- ... to establish Colleges wherever Higher Education is inadequate and maintain colleges (Arts & Science, Training, Music and Physical Education).
- ... to arrange for the starting of new courses at the Degree and Post Graduate levels with an intention to bring about greater diversification and to facilitate Extra Curricular Activities (Sports, N.S.S, Arts Club, Planning Forum etc.).
- ... to make arrangements for the education of the students in these Colleges by providing necessary assistance through men and materials.
- ... to assess the accommodation requirements of existing and new Colleges and require administrative sanction from Government.
- ... to provide Hostel facilities to the staff and students in Government Colleges.
- ... to implement the direct payment scheme introduced in Private Colleges and thereby exercise overall control over the administration of Private Colleges.
- ... to take necessary steps to improve the academic standard of SC/ST students.
- ... to arrange for the disbursement of Scholarship Awarded by Government to deserving student on the basis of merit and income.
- ... to promote participation by Colleges in the programme assisted by U.G.C .

SCHEMES

The Directorate of Collegiate Education implements the following schemes/programmes for the development of Higher Education in the State.

The Department awards different types of Scholarships every year for students in the college throughout the Country. The selection of students for these scholarships has been based on norms fixed by the various States/Central Governments. The following types of Scholarships are awarded to the Students every year:-

- ... National Merit
 - .. Post Merit
 - .. Post Inter
 - .. Post Graduate
- ... National Loan Scholarship
- ... Scholarship to the Children of School Teachers
- ... State Scholarship
- ... District Merit Awards
- ... Cultural Scholarship
- ... Sports Scholarship
- ... Sanskrit Scholarship
- ... Music Scholarship
- ... Fine Arts Scholarship
- ... Hindi Scholarship

The purpose of the scheme is to supply additional books required by Book Banks already set up in Colleges and for the setting up of new Book Banks in Colleges not having them. Text Books and Reference Books are to be given to economically and socially backward students on loan basis.

On the basis of the report from the Principals of Colleges which are experiencing acute shortage of furniture, budget amount is distributed among these Colleges to purchase furniture.

Schemes are available to improve the standards of teaching in Colleges and for the developments of research facilities in Departments of Colleges. For the benefit of P.G students, provision for Guest Lectures are also included.

The University Grant Commission (UGC) provides assistance to all Arts & Science Colleges which fulfil minimum eligibility conditions to enable to meet the basic needs likes Books, Journals, Basic Scientific Equipments etc. . In addition to this, Colleges are given basic assistance to depute Teachers for Faculty Improvement Programme (FIP). Under FIP, the Teachers can go for higher studies for the award of M.Phil., Ph.D etc. in their area of teaching. Financial assistance from the U.G.C is also available for the building construction of the Department.

... REMEDIAL COURSE FOR SC/ST STUDENTS:

This scheme is implemented in Private and Government Colleges, by which special remedial course is given for the benefit of SC/ST students in subjects in which they are weak in Collegiate Education.

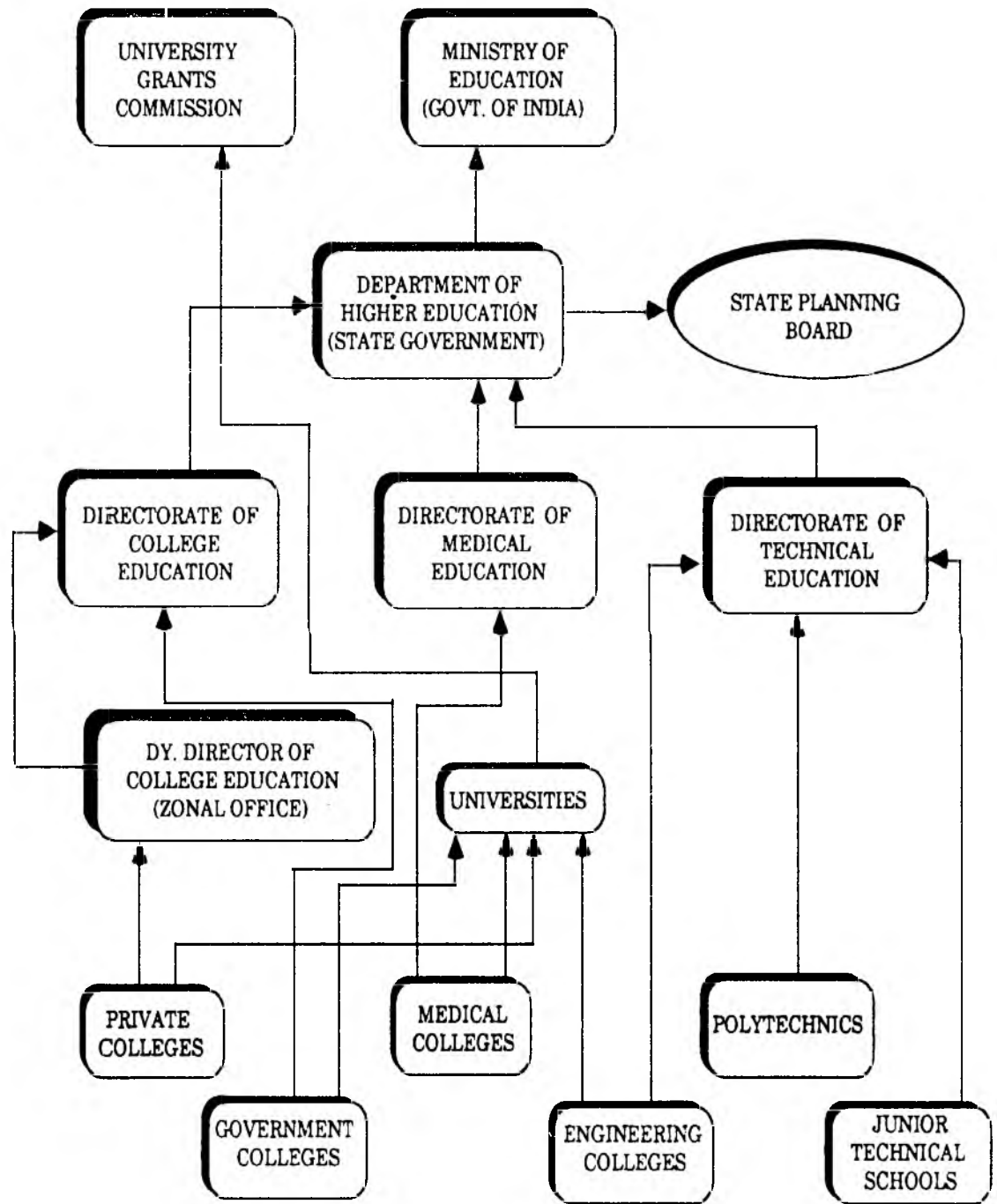


Figure 5.5 :- Overview of Information flow in Higher Education Department

... I.A.S COACHING SCHEMES:

For appearing for competitive examinations like Civil Services Examination, Forest Services Examination, special training programmes are undertaken by the Department. The SC/ST students are given free accommodation and stipend in these coaching centres which are under the control of the Directorates.

... SPECIAL COACHING IN SPORTS AND GAMES :

This scheme is for the benefit of SC/ST students to get special coaching in Sports and Games.

The Department undertakes various programmes for the construction/maintenance of buildings, laboratories etc. of the Government Colleges.

The provision of the scheme is to create an awareness of the population problem among the younger generation as well as adult through formal and Non-Formal Education approaches. An important part of the programme is the propagation of population education in Colleges. This scheme is implemented under the World Bank Aid.

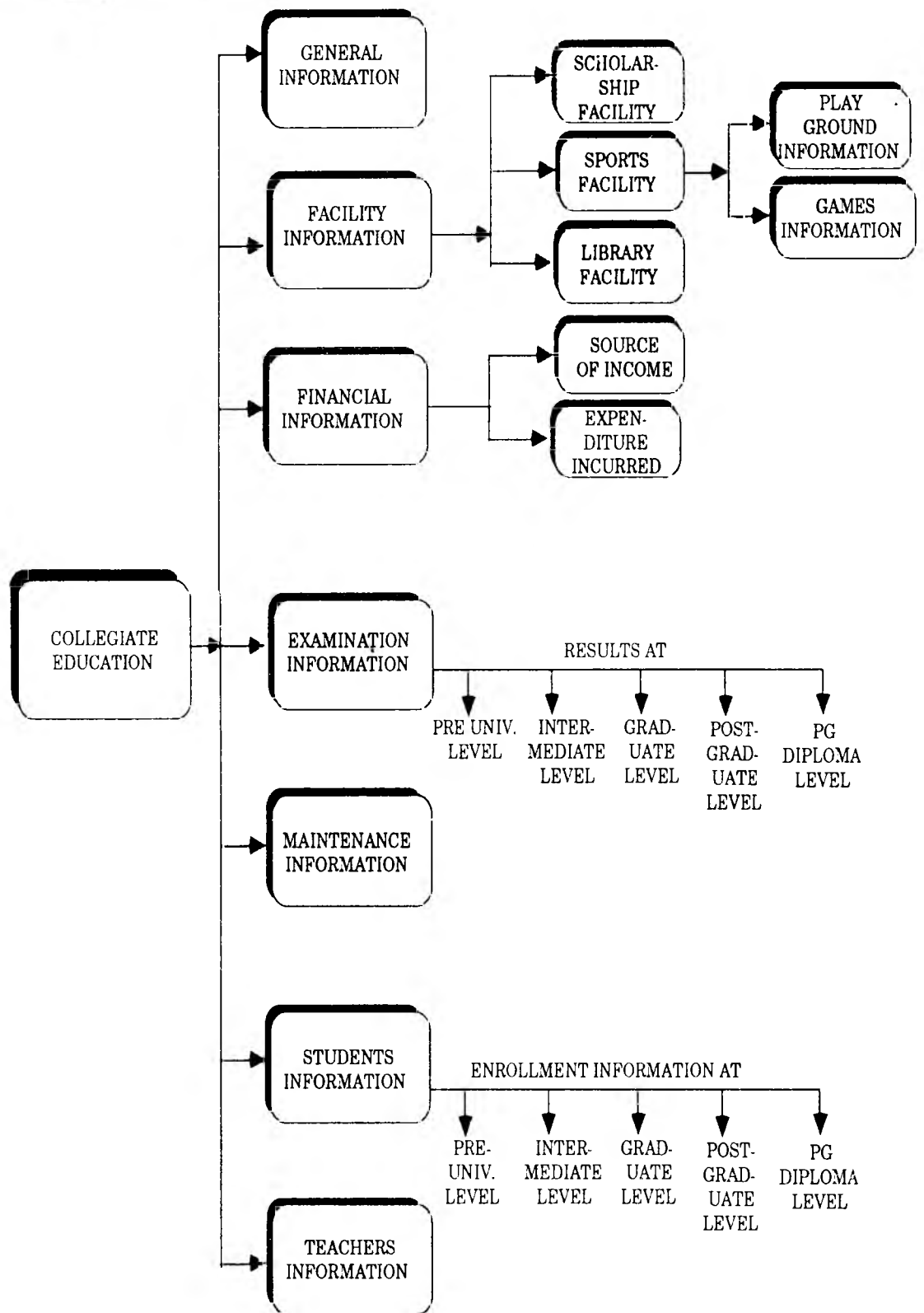


Figure 5.6 :- Overview of Collegiate Education Database Files

TECHNICAL EDUCATION Engineering and Technical Education is provided by the following Engineering and Technical Educational Institutions :-

- ... Industrial Training Institutions
- ... Polytechnic Institutions
- ... Engineering and Technology Colleges
- ... University Engineering Colleges
- ... Institutions Deemed as Universities
- ... Institutions of National importance
- ... Research Institutions
- ... Advanced Technical Institutions

Engineering and Technical Education Institutions are under the control of State Directorate of Technical Education. Industrial Training Institutes (ITIs) are under the control of the Department of Labour. Institutions of Higher Education are under the control of Universities or the National Universities as follows :-

- ... Indian Institutes of Technology (IITs)
- ... Indian Institute of Science (IISc), Bangalore
- ... Indian Institutes of Management (IIMs)
- ... Regional Engineering Colleges (RECs)
- ... National Institute of Training in Industrial Engineering (NITIE)
- ... Indian School of Mines, Dhanbad, Bihar
- ... National Institute of Foundry and Forge Technology, Ranchi, Bihar
- ... School of Planning and Architecture, New Delhi
- ... Technical Teachers' Training Institutes (TTTIs)
- ... Administrative Staff College of India

The Technical Division of the Department of Education, Government of India collects, through its regional offices, information on Engineering Colleges and Polytechnic Institutions. The Statistics Division of the Department of Education brings out the analysis of Technical Education as publication.

NPE-1986-Programme of Action (POA) recommends Computer-based NTMIS with its Lead Centre at Indian Applied Manpower Research (IAMR) and 21 nodal centres located in Engineering Colleges, Technological Institutions, Boards of Apprenticeship Training, and a Manpower Cell in the Ministry. NTMIS is expected to assist in Planning, Monitoring, Decision making, and Management.

In the Directorate of Technical Education, the collection and compilation of statistics required for Administrative and Planning purposes are being done by the Planning and Monitoring Cells. In addition to the routine work of preparation of plans and monitoring of planned programmes, the cell attends to the preparation of statistical details to Central and State Governments. The manpower cell, in addition to the normal work of studies on manpower in Technical Education, attends to collection and compilation of statistics on intake, Enrollment and out-turn of students and staff in the Technical Institutions namely Engineering Colleges, Polytechnics, Junior Technical Schools etc., and preparation of book of Technical Institutions etc.

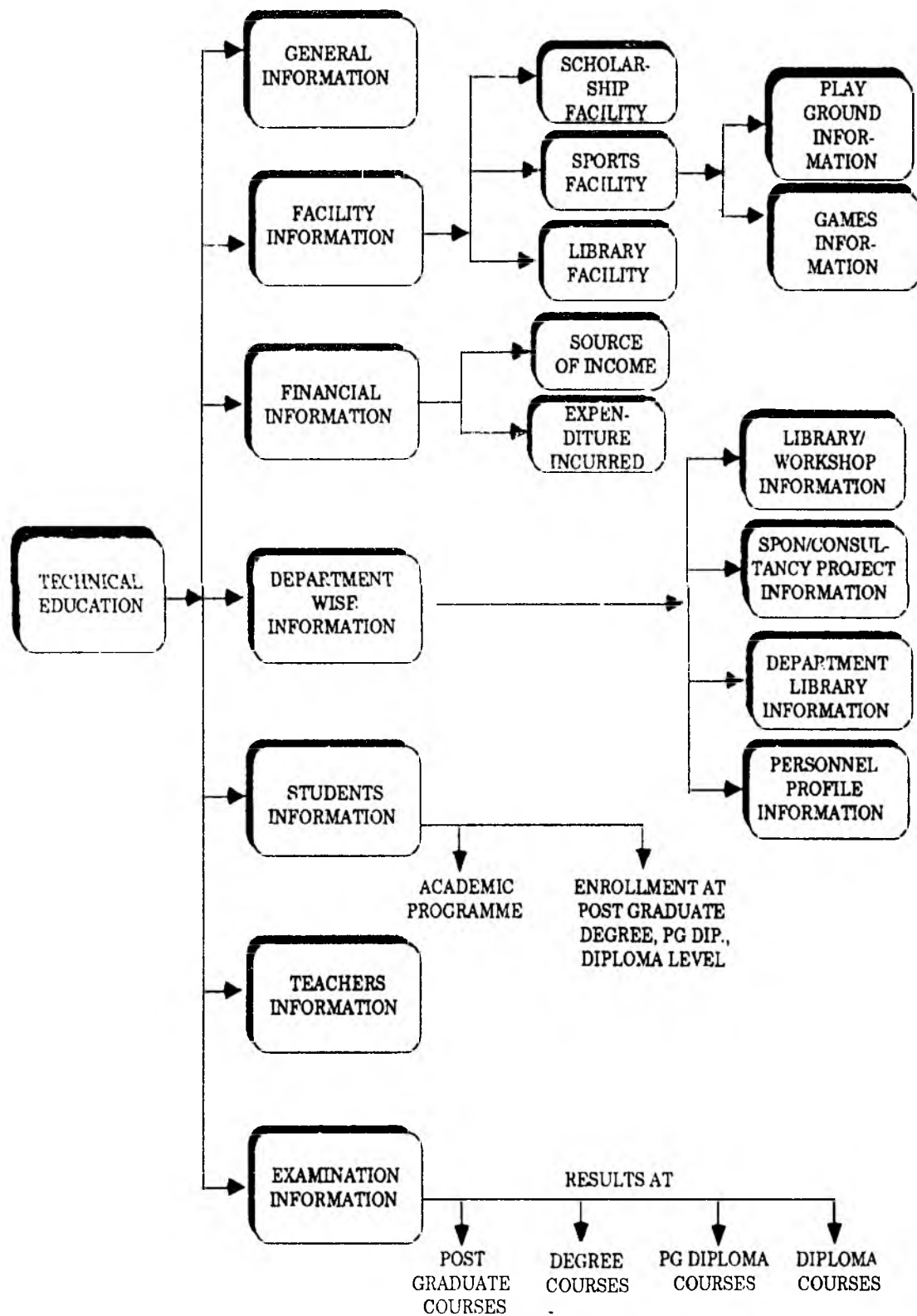


Figure 5.7 :- Overview of Technical Education Database Files

MEDICAL EDUCATION

Medical Education, Research and Training constitute the vital areas of the total Health Care Delivery System. Health is regarded as an important Social input. The development of a Society can be ensured if the citizens are healthy. Healthy manpower adds more days to the factory, field and office, increasing thereby the working hours for gross production, which, in turn, enhances the per capita income of the Nation.

Re-orientation of Medical Education was initiated with the objective of giving it a rural bias as well as providing curative Health care facilities to the rural population. Under this scheme, each Medical College should be linked effectively with three Primary Health Centers (PHC), where delivery of preventive, curative and family welfare service, is done through the same team of doctors, nurses and paramedical staff.

As pronounced in NHP(1983), "the basic objective of Medical Research and the ultimate test of its utility, would involve the translation of available know-how into simple, low-cost, easily applicable appropriate technologies, devices and interventions conducive to local conditions, thus placing the latest technological achievements, within the reach of Health Personnel, and to the front line Health Workers, in the remotest corners of the Country. Therefore, besides devotion to fundamental research, high priority should be accorded to applied, operational research, including action research for continuously improving the cost effective delivery of Health Services. Priorities would require to be identified and laid down in collaboration with Social Scientists, Planners and Decision Makers and the Public".

Medical Education is provided by the following types of Educational Institutions :-

- ... Medical colleges affiliated to Universities
- ... Institutions deemed to be Universities
- ... Professional Colleges/ Institutes with Technical Courses on and related to Medicine
- ... Research Institutions

Institutions conducting professional courses below Degree Level are under the control of Directorate of Health and Graduate and above levels are under the control of Universities/ National Institutions. At present, the analysis of Medical Education is done by Indian Council of Medical Research (ICMR) at the National Level.

Information gap on Medical Education :-

Availability of up-to-date basic statistics on Medical Education and Public Health is inadequate at present. Similarly the data pertaining to Private medical institutions are scarcely available. Due to paucity of funds, a number of plan schemes already put into operation in most of the medical colleges, could not progress satisfactorily.

The availability of facilities in each of the Institution under the Directorate of Medical Education is lacking; and so also, the various specialities, courses offered, number of seats, actual enrollment, details on clinical, non-clinical and paramedical staff, availability of equipments, usage of drugs, and construction requirement with financial details and stage of construction.

Under DISNIC-HEALTH programme, a detailed analysis has been carried out to develop Computer-based Management Information System for the Health sector. The project document "DISNIC-HEALTH can be referred to, if required, for consultation.

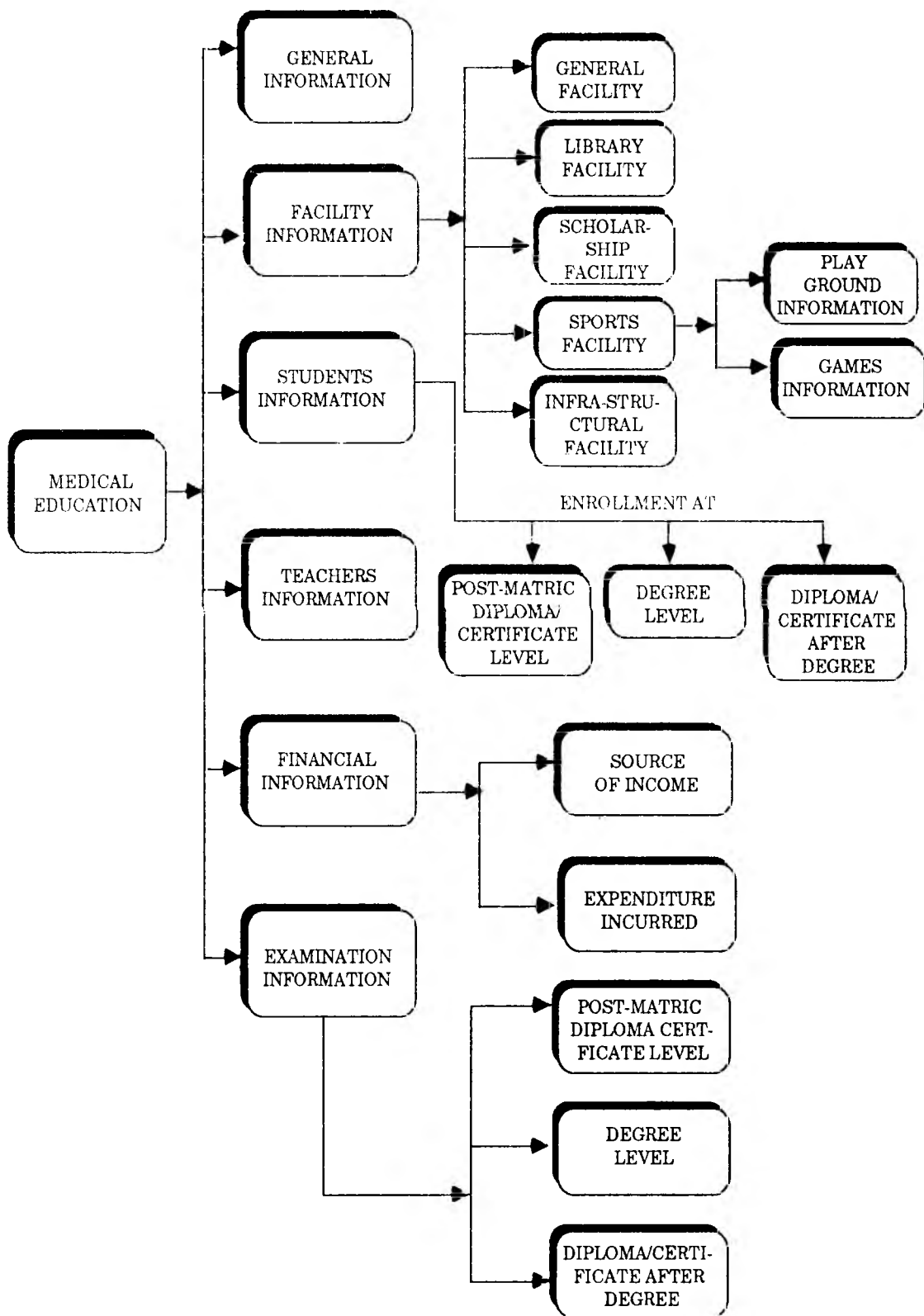


Figure 5.8 :- Overview of Medical Education Database Files

ADULT EDUCATION

The National programme of Adult Education (NPAE) has been accorded high priority by its inclusion in the Minimum Needs Programme (MNP) and 20-Point Programme, 1986. The National Literacy Mission has been identified as one of five National Missions, to be undertaken, applying the outcome of Scientific and Technological Research for the benefit of the deprived section of the society and areas which are crucial to the country's development. The National Literacy Mission is not a substitution of the ongoing programmes of Adult Education. It is, instead, a mission to bring about a qualitative change and improvement in the pace and extent of Adult Education Programme by :

- (a) Intensive applications of inputs of Science and Technology which have been tested and proven with a view to removing environmental, infrastructural and pedagogic constraints inhibiting the pace, extent and quality of the programme ;
- (b) Mobilisation of various cross-sections of the society (Political Parties, Voluntary Agencies, Employers, Trade Unions, Students (NSS, non-NSS, and NCC), Youth, Women, Members of Defence persons including members of Territorial Army, Ex-Serviceman, Prison Staff etc.)

The National Literacy Mission (NLM) aims at imparting Functional Literacy to 80 million adults by 1995.

Adult Education is both a Process through which effective delivery mechanisms are created for the deprived sections of the Society, and a Forum through which such Sections secure Information and Understanding regarding the Process of Development. NPE-1986-POA reiterates the importance of establishment of effective linkage between Adult Education and , among the others, the following Development Programmes:-

- ... Integrated Rural Development Programme (IRDP)
- ... National Rural Employment Programme (NREP) - Now Jawahar Rozgar Yojana (JRY)
- ... Functional Literacy Of Women (FLOW) of ICDS
- ... Development of SC/ST Programme such as SCP and TSP
- ... Labour Welfare Programme

ADULT EDUCATION PROGRAMMES AT GRASS ROOT LEVEL

This programme is also known as Functional Literacy Programme (FLP). The main objective of the programme is to eradicate illiteracy among the workers in the age group of 14 to 35. The selected area is divided into blocks, which in turn is comprised of a number of literacy centres. The duration of the course is one year. The instructor, who is selected from the Block area is responsible for the conduct of the centre. A Block area will have a few supervisors, each supervisor being responsible for a fixed number of centres.

At the Block level, the Block Development Officer (BDO) holds the responsibility for the implementation of the programme. The Assistant Development Commissioner (FLP) and Project Officer (FLP) are in charge of the programme at the district level under the guidance of the District Collector.

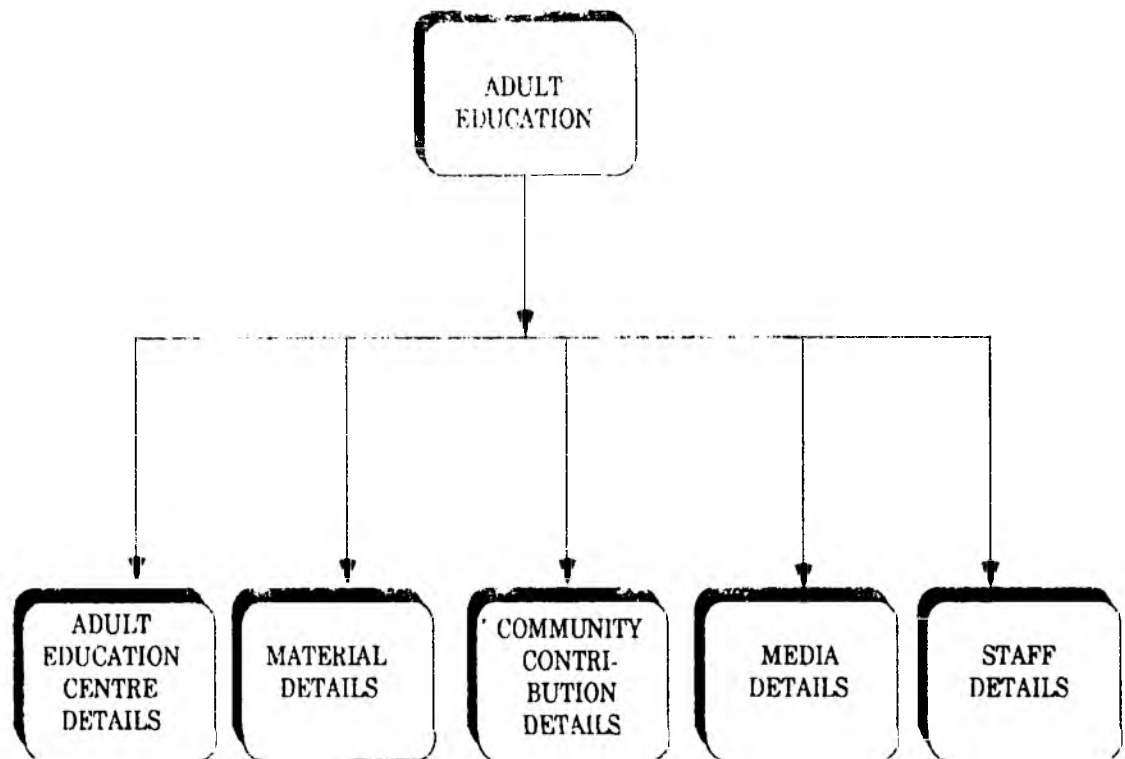


Figure 5.9 :- Overview of Adult Education Database Files

NON-FORMAL PROGRAMME

Promotion of literacy has been identified as one of the five National Technology Missions with a view to applying technology and scientific research for the benefit of the deprived sections of the society and the areas which are critical to the country's development.

The Department of Education, Ministry of Human Resources Development, Government of India sanctioned 1,84,716 Non-Formal Education Centres to 15 State Governments and 8747 centres to 104 Voluntary Agencies in 1987-88, at a cost of Rs. 38.07 crores. Sanctions were issued under the revised pattern of the scheme that is based upon the broad strategy outlined in the Programme of Action (POA) of the National Policy on Education, 1986 (NPE), that approximately 100 centres would be organised in compact and contiguous areas roughly co-terminous with the Community Development (CD) blocks to comprise projects and each project will have a decentralized management machinery and an imaginative supervisory structure utilizing part-time trained youth to look after 10-12 centres each. Organisational flexibility, relevance of curriculum, diversity in learning activities, are some of the characteristics emphasised in the revised programme.

Implementation of the programme and reorganisation of the centres into projects is now under way in the states. This is the right time to institutionalise a system of monitoring that will direct the pace and manner of implementation along the envisaged lines and provide a decision support system to the programme.

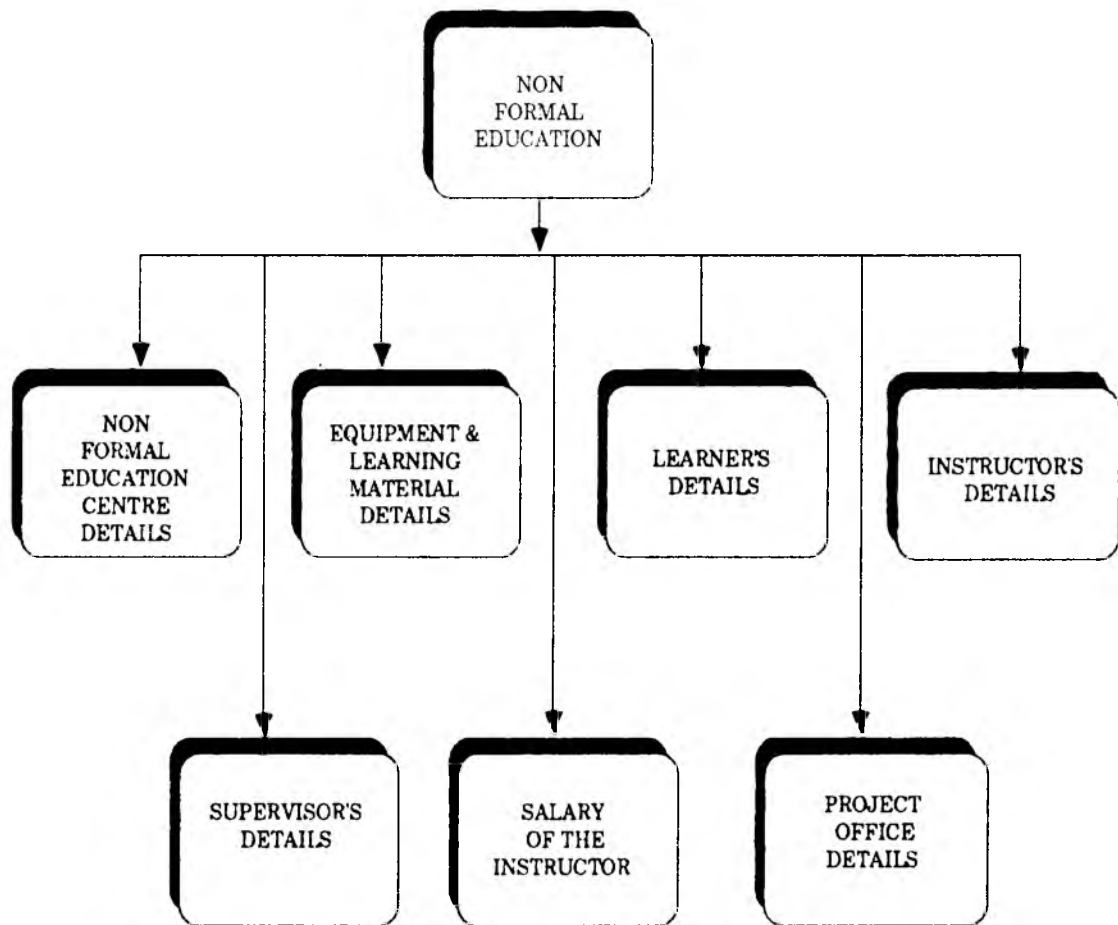


Figure 5.10:- Overview of Non-Formal Education Database Files

**DISNIC-
EDUCATION**

In order to implement the programmes of both state/central schemes efficiently at the grass root level, it is absolutely essential to develop an integrated information system/data bases in the area of Education, at the appropriate level. In the present set-up, information essential for planning, monitoring flows from District to State and then from State to the Central Government after its consolidation at various levels.

At present, there is considerable multiplicity and duplication of reporting at all the levels. It has to be decided as to whether a consolidated report for the district to the state, and from the state to centre is needed, or to continue the practice of multiple reporting. There is an advantage in consolidated reporting because this can eliminate a lot of paper work at different levels and enable the State and Central level of administration to give more focussed attention to monitoring. It is, therefore required to have information and reports standardised and disciplined at all levels.

Having shifted the focus planning from macro to micro level through decentralised planning, it has become necessary to take step to improve the databases for planning at the district, the block and lower level. NICNET facilitates the information exchange between district and state, and state and centre with appropriate levels of abstraction and aggregations as needed. In fact, it is not the mere availability of information but the effectiveness of its use, which would justify a capital intensive system of information generation and transmission.

Education is a prerequisite for Progress and Development. And, in the order of priorities, Education has been accorded a high priority as an integral part of Country's Developmental Process. Due to concerted efforts during the last four decades of Independence, a four-fold increase has been registered in the total number of literates. With the increase of more than four times in the number of pupils in the Primary Schools, the number of such schools has also more than doubled. The number of Universities has also gone up by more than five times. Together with the quantitative expansion of educational facilities, there is now a greater emphasis on qualitative improvement.

One need not overemphasise the importance of **educational data** in connection with the process of planning, monitoring and evaluation of different types of educational programmes. With the passing of National Education Policy (NEP) by the Parliament, the requirements of a sound database have increased considerably in addition to its timely availability. At present, there is time lag of 3 to 4 years in collection and publication of Educational Statistics at All-India level. **The main reason for this is the fact that the data collected from large number of institutions has to be consolidated at various levels namely Block/ Tehsil, District, State Headquarters and finally at All-India level.** The manual compilation of data at these levels takes considerable time specially in states where there is not adequate qualified statistical machinery at the district level.

It is an established fact that development process needs a sophisticated information flow from the lowest level of administration to the national decision making level. With the establishment of NICNET facilities at the District/State level, the Department of Education will explore all the possibilities to utilize this powerful network NICNET for timely information collection, processing and publication of educational data. Modern management techniques coupled with the use of computers can prove a powerful tool in the hands of the Government for the effective management of the Education Sector.

In view of this, under the DISNIC programme, NIC has taken up the development of a meaningful computer-based Management Information System on Education (DISNIC-EDUCATION) for the District Administration so that information related to Education sector can be periodically collected from the lower level administrative machineries of the district administration; and also to facilitate decision making process at the district level for implementing the schemes related to the Education Sector efficiently and effectively.

Extensive discussions have been held with district/state level officers to assess the information needs and management requirements both at district/state level for planning, monitoring, evaluation, coordination and administration in the following areas of the Education Sector:-

- ... General Education
 - .. Primary
 - .. Middle
- ... Collegiate Education
- ... Technical Education
- ... Medical Education
- ... Adult Education
- ... Non-Formal Education

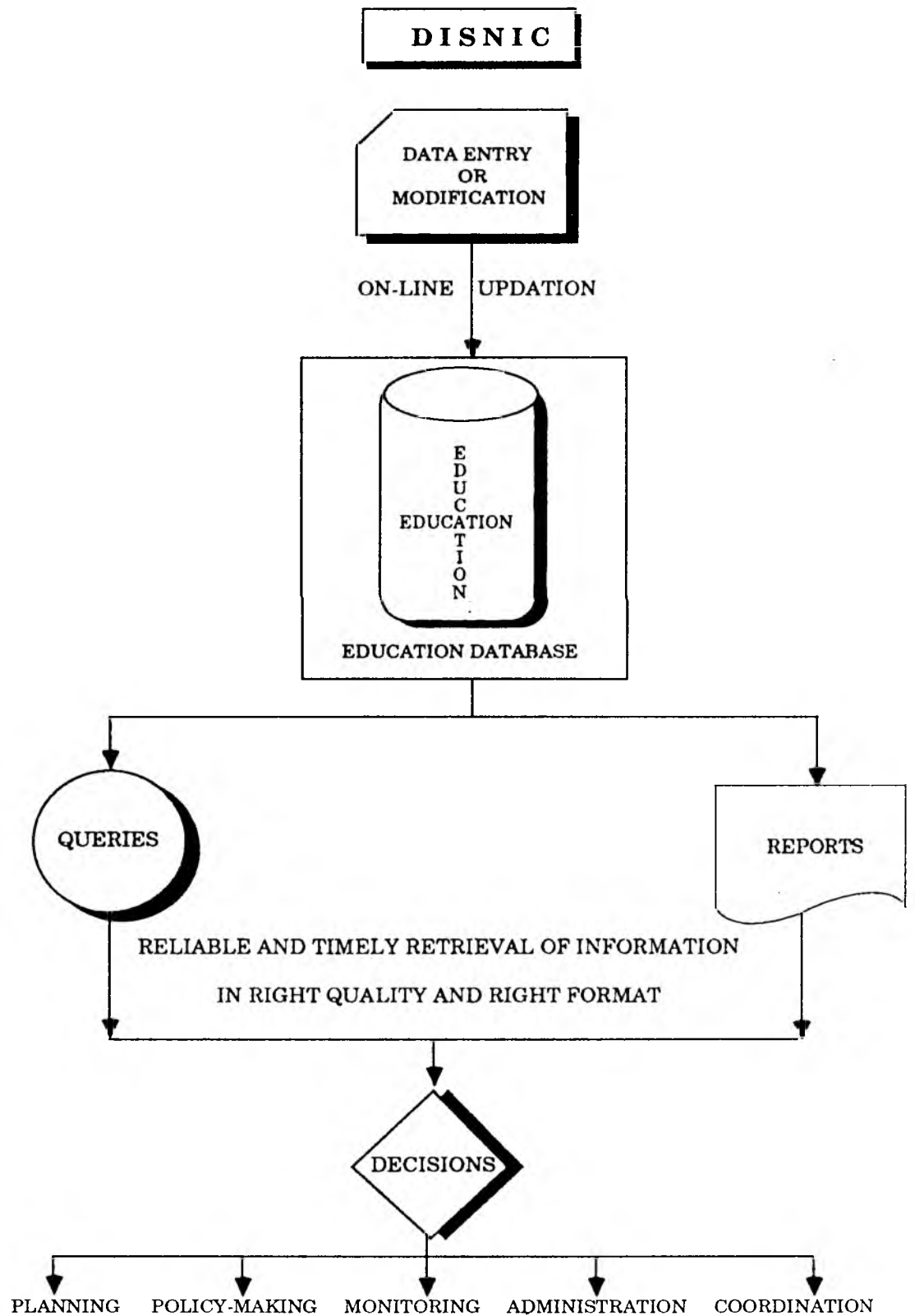


Figure 5.11:- Processing of DISNIC-EDUCATION.

Chapter-6 gives the Database Design and Input Forms design of above areas of DISNIC-EDUCATION. The implementation details of DISNIC-EDUCATION has been discussed in detail in the Chapter-7.

The Plan Schemes Monitoring has been discussed in detail in the Project Document "PLANMIS". The PLANMIS software has been designed to take care of all the relevant information parameter for the plan schemes monitoring in this sector. The PLANMIS Software has been interfaced to DISNIC-EDUCATION and is common to all sectors covered under DISNIC Programme.

Decentralized planning is the mainstay of our efforts in the direction of achieving new heights in the economic welfare of masses, attaining selfsufficiency in agricultural, industrial and technological sectors of Indian Economy. Maps play a very important role in the decentralized planning as they superimpose demographic, statistical, and thematic data on top of map's physical or political boundaries in order to reveal geographic trends and relationships.

A Geographic information System (GIS) is a tool which facilitates generation of information required for a particular need or discipline. Input to the system is geo-referenced data in spatial format as well as tabular form. The system provides efficient tools for inputting data into a database, retrieval of selected data items for further processing and software modules which can analyze /manipulate the retrieved data in order to generate desired information in specific form.

In GIS both spatial (e.g. maps, satellite imagery) and non-spatial (e.g. census data, field data) data sources can be integrated and a set of spatially registered data layers can be analyzed independently or in combination with a number of other layers. Thus one can stitch together bundles of data from a wide variety of sources and manipulate them to get quantitative information for resource management and planning. GIS consists of such activities as capturing of data, archival new survey data, integration of data sets, designing of efficient data structures, data bases , user interfaces and analyzing integrated data sets.

The Project GISNIC (Geographic Information system of NIC) is under development in NIC using NICNET facilities to bring the concept of Geographic Information System for decision support and planning in EDUCATION Sector. Various applications for GIS in EDUCATION among the others, have been outlined as follows :-

- ... Map showing the villages having no schools.
- ... Schools Without Drinking Water facility.
- ... Schools having no Building.
- ... Maps showing distribution of Schools in Rural and Urban area.
- ... Number of Students by Sex, Age and Grade for each level and type of education shown in the form of different Statistical Charts.
- ... Map showing Adult Education Centre and Non Formal Education Centres in a District.
- ... Statistical Chart showing Enrollment ratio, Staganation and Drop-out ratio of students of various classes of a school.

CHAPTER 6 SYSTEM DESIGN

This chapter discusses in detail the various databases designed based on the System Analysis, and proposed Input Forms for the Information collection.

FILE DESIGN The database used in DISNIC–EDUCATION have been designed after a thorough system study and analysis. The analysis of the sector is done on the basis of various activities being carried out in Educational Institutes and in Ministry of Education. It has been tried to optimise the data base by preventing the duplicacy of item and redundancy. A list of databases included in DISNIC – EDUCATION is given below along with its content :

PRIMARY EDUCATION :	1.	Pcgin.dbf	:	Primary School General Information
	2.	Pchfac.dbf	:	Primary School General Facility Information
	3.	Pcpoly.dbf	:	Primary School Play Ground Information
	4.	Pcgame.dbf	:	Primary School Play and Games Material Information
	5.	Pclib.dbf	:	Primary School Library Facility Information
	6.	Pcsub.dbf	:	Primary School Subject Wise Library Information
	7.	Pchmt.dbf	:	Primary School Maintenance Information
	8.	Pcstd.dbf	:	Primary School Students Information
	9.	Pchage.dbf	:	Age Wise Enrollment / Retention Information
	10.	Ptgem.dbf	:	Primary School Teachers General Information
	11.	Ptpro.dbf	:	Primary School Teachers Profile
	12.	Pctec.dbf	:	Primary School Teachers Information (Subject Wise)
SCHOOL EDUCATION :	13.	Scgin.dbf	:	School General Information
	14.	Schfac.dbf	:	School General Facility Information
	15.	Scply.dbf	:	School Play Ground Information
	16.	Scgam.dbf	:	School Games Facility Information
	17.	Sclib.dbf	:	School Library Facility Information
	18.	Scsch.dbf	:	School Scholarship Information
	19.	Cspon.dbf	:	Centrally Sponsored Schemes Information
	20.	Schine.dbf	:	School Income Information
	21.	Scexp.dbf	:	School Expenditure Information
	22.	Scexm.dbf	:	School Examination Information
	23.	Schmt.dbf	:	School Maintenance Information
	24.	Scstd.dbf	:	School Students Information
	25.	Schage.dbf	:	Age Wise Enrollment / Retention Information
	26.	Stegn.dbf	:	School Teachers General Information
	27.	Stpro.dbf	:	School Teachers Profile
	28.	Scqual.dbf	:	School Teachers Information (Qualification Wise)
	29.	Sctec.dbf	:	School Teachers Information (Subject Wise)
	30.	Voc1.dbf	:	Strength Details in Vocational Schools (Course Wise)
	31.	Voc2.dbf	:	Vocational School Instructors Details
	32.	Voc3.dbf	:	Vocational School Expenditure Details

- 33. Voc4.dbf : Result Information of Vocational Schools
- 34. Voc5.dbf : Vocational School Equipment Details

**COLLEGE
EDUCATION :**

- 35. Colgen.dbf : College General Information
- 36. Hs.dbf : College Scholarship Information
- 37. Hsply.dbf : College Play Ground Information
- 38. Hsgam.dbf : College Games Information
- 39. Helib.dbf : College Library Information
- 40. Hinc.dbf : College Income Information
- 41. Hife.dbf : College Expenditure Information
- 42. Hepuv.dbf : College Examination Results at Pre-University Level
- 43. Heint.dbf : College Examination Results at Intermediate Level
- 44. Hegra.dbf : College Examination Results at Graduation Level
- 45. Hepgra.dbf : College Examination Results at Post Graduate Level
- 46. Hedip.dbf : College Examination Results at Post Graduate Diploma Level
- 47. Hement.dbf : College Maintenance Information
- 48. Henri.dbf : College Wise Enrollment Information
- 49. Heepu.dbf : College Enrollment Information at Pre-University Level
- 50. Hein.dbf : College Enrollment Information at Intermediate Level
- 51. Heegr.dbf : College Enrollment Information at Graduation Level
- 52. Heepg.dbf : College Enrollment Information at Post Graduate Level
- 53. Heedp.dbf : College Enrollment Information at Post Graduate Diploma Level
- 54. Ht.dbf : College Teachers Information

**TECHNICAL
EDUCATION :**

- 55. Cgein.dbf : Technical Institute General Information
- 56. Cfin.dbf : Technical Institute General Facility Information
- 57. Coply.dbf : Technical Institute Play Ground Information
- 58. Cogam.dbf : Technical Institute Games Information
- 59. Cdfin.dbf : Technical Institute Library Information
- 60. Cscin.dbf : Technical Institute Scholarship Information
- 61. Tgien.dbf : Technical Institute Income Information
- 62. Texp.dbf : Technical Institute Expenditure Details
- 63. Labin.dbf : Laboratories / Workshop Information
- 64. Scproj.dbf : Sponsored / Consultancy Projects Information
- 65. Tequi.dbf : Details of Laboratory Equipments having Cost More than 5 lacs
- 66. Clib.dbf : Department Library Information
- 67. Dacst.dbf : Personnel Profile Academic Staff
- 68. Acadpr.dbf : Students Academic Programme
- 69. Tpgd.dbf : Technical Institute Enrollment Information at Post Graduate Level
- 70. Tgrd.dbf : Technical Institute Enrollment Information at Graduation Level
- 71. Tpdip.dbf : Technical Institute Enrollment Information at Post Graduate Diploma Level

	72.	Tdip.dbf	:	Technical Institute Enrollment Information at Diploma Level
	73.	Ctinf.dbf	:	Technical Institute Teachers Information
	74.	Tepdg.dbf	:	Technical Institute Examination Results at Post Graduate Level
	75.	Tegrdbf	:	Technical Institute Examination Results at Graduate Level
	76.	Tepdip.dbf	:	Technical Institute Examination Results at Post Graduate Diploma Level
	77.	Tedip.dbf	:	Technical Institute Examination Results at Post Matric Diploma/Certificate Level
MEDICAL EDUCATION :	78.	Mgein.dbf	:	Medical College General Information
	79.	Mfin.dbf	:	Medical College General Facility Information
	80.	Mdfin.dbf	:	Medical College Department Wise Facilities
	81.	Mscin.dbf	:	Medical College Scholarship Information
	82.	Meply.dbf	:	Medical College Play Ground Information
	83.	Megam.dbf	:	Medical College Games Information
	84.	Mfac.dbf	:	Infrastructural Facility Information
	85.	Mepmd.dbf	:	Medical College Enrollment Information at Post – Matric Diploma / Certificate Level
	86.	Medeg.dbf	:	Medical College Enrollment Information at Degree Level
	87.	Medce.dbf	:	Medical College Enrollment Information at Diploma / Certificate Level (After Degree)
	88.	Mtinf.dbf	:	Medical College Teachers Information
	89.	Mhif.dbf	:	Medical College Income Information
	90.	Mife.dbf	:	Medical College Expenditure Details
91.	Meepmd.dbf	:	Medical College Examination Information at Post–Matric Diploma / Certificate Level	
92.	Meedeg.dbf	:	Medical College Examination Information at Degree Level	
93.	Meedce.dbf	:	Medical College Examination Information at Diploma / Certificate Level (After Degree)	
ADULT EDUCATION :	94.	Aecd.dbf	:	Adult Education Centre Details
	95.	Matrial.dbf	:	Adult Education Centre Material Details
	96.	Ccont.dbf	:	Community Contribution Details
	97.	Media.dbf	:	Adult Education Centre Media Details
	98.	Staff.dbf	:	Project Office Staff Details
NON FORMAL EDUCATION :	99.	Nfecd.dbf	:	Non Formal Education Centre Details
	100.	Equip.dbf	:	Non Formal Education Centre Equipment and Learning Material Details
	101.	Learnd.dbf	:	Non Formal Education Centre Learner's detail
	102.	Instr.dbf	:	Non Formal Education Centre Instructor's Detail
	103.	Supvr.dbf	:	Non Formal Education Centre Supervisor's Detail
	104.	Salry.dbf	:	Non Formal Education Centre Salary Details
	105.	Podet.dbf	:	Non Formal Education Project Office Details

PRIMARY EDUCATION

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
SCHNAME	C	22	0	School Name
SCHSTAGE	C	2	0	Stage of School
SCHTYPE	C	2	0	School Type
SCHMEDIUM	C	2	0	School Medium
SCHADDRESS	C	22	0	School Address
FROMCLASS	C	2	0	Starting From Class
TOCLASS	C	2	0	To Class
SCHMANAG	C	2	0	Management Body
SCHCATE	C	2	0	School Category
ACAD YEAR	C	5	0	Academic Year
YEAREST	N	4	0	Year of Establishment

CODING SYSTEM

SCHSTAGE :

N Nursery
P Primary

SCHTYPE :

B Boys Only
G Girls Only
CO Co-Education

SCHMEDIUM :

SM Single Medium
MM Multi Medium

SCHMANAG :

CG Central Government
SG State Government
PA Private Aided

PU Private Unaided
LB Local Body

SCHCATE :

01 Normal School	05 School for Blinds
02 School for Handicapped	06 School for Deaf/Dumbs
03 Reformatory School	07 School for Mentally Retarded
04 School for Oriental Studies	

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACADYEAR	C	5	0	Academic Year
SCHBLDTYPE	C	2	0	School Building Type
SCHBLDAREA	N	7	2	Area of School Building
SCHCLASSNO	N	3	0	Number of Class Rooms
SCHBORDNO	N	3	0	Number of Black Boards
NOPINBRD	N	2	0	Number of Pinup Boards
NODUSTER	N	3	0	Number of Chalk Dusters
SCHROFTYPE	C	2	0	Type of Roof
SCHWATTTYPE	C	2	0	Type of Water Facility
SCHLATAVAB	C	2	0	Latrine Available for Boys?
SCHLATAVAG	C	2	0	Latrine Available for Girls?
MEALAV	C	2	0	Mid Day Meal Available?
NO_BENM	N	4	0	Number Benefited
FREEUNIA	C	2	0	Free Uniforms Available?
NO_BENUNI	N	4	0	Number Benefited
FRRETBK	C	2	0	Free Text Books Available ?
NO_BENTB	N	4	0	Number Benefited
MEDFAC	C	2	0	Yearly Medical Facility Available ?
NO_BENMED	N	4	0	Number Benefited
VACFAC	C	2	0	Vaccination Facility Available ?
ATTNDSCHL	C	2	0	Attendance Scholarship Available ?
NOBENS	N	4	0	Number Benefited
TEACSYLB	C	2	0	Teachers Syllabus Available?
TEACHTBK	C	2	0	Teachers Text Books Available?
TEACHGUI	C	2	0	Teachers Guide Available?
MAPAVA	C	2	0	Geographic Maps Available?
NOAVAM	N	2	0	Number of Maps Available
PLAGLO	C	2	0	Plastic Globe Available?
NOAVAG	N	2	0	Number of Globe Available
EDUCHT	C	2	0	Educational Charts Available?
NOAVAE	N	2	0	Number of Charts Available
SCIKIT	C	2	0	Science Kit Available?
NOKITS	N	2	0	Number of Kit Available
FIRSTAB	C	2	0	First Aid Box Available?
HOS_FAC	C	2	0	Hostel Facility Available?
HOS_TYPE	C	2	0	Hostel Type
T_INMATES	N	4	0	Total Inmates
ST_QUAR	C	2	0	Staff Quarter Facility Available ?
QUAR_TYPE	C	2	0	Quarter Type
NO_BEN	N	4	0	Number Benefited
MUSICINS	C	2	0	Musical Instruments Available ?

CODING SYSTEM**SCHBLDTYPE :**

01	Pucca Building	04	Thatched Hut
02	Partially Pucca Building	05	Tents
03	Kuchha Building	06	Open Space

SCHROFTYPE :

01	Concrete
02	Tiled
03	Thached

SCHWATTYPE :

P	Pipe
W	Well
N	None

MEALAV / FREEUNIA / FREETBK / MEDFAC / VACFAC / FIRSTAB :

Y	Yes	N	No
---	-----	---	----

ATTNDSCHL / TEACHSYLB / TEACHTBK / TEACHGUI / MAPAVA / PLAGLO / EDUCHT / SCIKIT / MISICINS / HOS_FAC / ST_QUAR :

A	Available
NA	Not Available

HOS_TYPE:

B	For Boys
G	For Girls
CO	Common Facility

QUAR_TYPE :

R	Residential Type
B	Boarding Type

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACADYEAR	C	5	0	Academic Year
SCHPLYSTAT	C	2	0	Play Ground Available ?
SCHPLYLOCN	C	2	0	School Play Ground Location
SCHPLYCOND	C	2	0	School Play Ground Condition
SCHPLYAREA	N	7	2	Area of Play Ground

CODING SYSTEM SCHPLYCOND :

01 Usable 02 Unusable

SCHPLYLOCN :

01 Within Premises
02 Outside Premises

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dem	Full Description
DISCODE	C	13	0	Location Code
SCHCOME	C	10	0	School Code
ACADYEAR	C	5	0	Academic Year
GAMECODE	C	2	0	Games Code
MATAV	N	2	0	Material Available ?
QUANTITY	N	3	0	Quantity Available

CODING SYSTEM GAMECODE :

01 Wisdom Block 02 Jigsaw Puzzle 03 Skipping Rope
04 Toys 05 Football 06 Rubber Ball
07 Air Pump 08 Ring 09 Swing Rope with Tyres

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dem	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACADYEAR	C	5	0	Academic Year
NOCHLDBK	N	3	0	Number of Children Books
NOMAGZIN	N	3	0	Number of Magazines
NOJOURNL	N	3	0	Number of Journals
NOPAPERS	N	3	0	Number of New Papers
NODICTNR	N	3	0	Number of Dictionaries
NOENCYLP	N	3	0	Number of Encyclopaedias

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dem	Full Description
DISCODE	C	13	0	Location Code
SCHCOME	C	10	0	School Code
ACADYEAR	C	5	0	Academic Year
SCHSUBJ	C	2	0	Subject Code
NOTXT	N	4	0	Number of Text Books
NOREF	N	4	0	Number of Reference Books

CODING SYSTEM SCHSUBJ :

01 English 02 Hindi 03 Mathematics
04 Science 05 Social Sciences 06 Regional Language
07 Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACADYEAR	C	5	0	Academic Year
SCHBLDSTAT	C	2	0	School Building Status
SCHBLDTYPE	C	2	0	School Building Type
SCHMAINT	C	20	0	Name of Construction Work
CONST_UND	C	2	0	Scheme Name
SCHLADAREA	N	5	0	Area of Land Available
SCHCONAREA	N	5	0	Area of Construction Proposed
SCHLADCOST	N	8	0	Cost of Land Aquisition
SCHSTCOST	N	8	0	Cost for Work (Approved)
SCHACTEXP	N	8	0	Amount of Actual Expenditure
SCHAMTNEED	N	8	2	Amount Needed to Complete
SCHDTSTART	D	8	0	Date of Start of Work
SCHDTSHDCO	D	8	0	Scheduled Date of Completion
SCHDTCOMP	D	8	0	Date of Completion

CODING SYSTEM

SCHBLDSTAT :

- 01 Having Building Which Require Re-construction
- 02 School Having Land But No Building
- 03 School Requiring Additional Accomadation
- 04 School Having Niether Land Nor Building
- 05 Building Required Other Than School Building
- 06 School Requiring Construction of Staff Quarters

SCHBLDTYPE :

- 01 Pucca Building
- 02 Partly Pucca Building
- 03 Kuchha Building
- 04 Thatched Huts
- 05 Tents
- 06 Open Space

CONST_UND :

- 01 IRDP SCHEME
- 02 NREP SCHEME
- 03 RLEGP
- 04 Own Efforts

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
SCHACYEAR	C	5	0	Academic Year
SCHSTAND	C	2	0	Standard/Trade
SCHSTCAT	C	2	0	Students Category
SCHNOBOY	N	3	0	Strength of Boys
SCHNOGIRL	N	3	0	Strength of Girls

CODING SYSTEM

SCHSTAND :

01 Ist
02 2nd
03 3rd
04 4th
05 5th

SCHSTCAT :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACDYEAR	C	5	0	Academic Year
CLASS	C	2	0	Class
AGE_GR	C	2	0	Age Group
TOTBOYS	N	3	0	No. of Boys (from Previous Class)
TOTGIRLS	N	3	0	No. of Girls (from Previous Class)
TOTBOYENR	N	3	0	New Enrollments (Boys)
TOTGIRLENR	N	3	0	New Enrollments (Girls)
TOTBOYDR	N	3	0	No. of Dropout (Boys)
TOTGIRLDR	N	3	0	No. of Dropout (Girls)

CLASS :

01 Ist
02 2nd
03 3rd
04 4th
05 5th

AGE_GR :

01 4 to below 6 years
02 6 to below 11 years
03 11 to below 14 years

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACAD_YEAR	C	5	0	Academic Year
NOTE_C_B	N	2	0	Number of Teachers in Beginning
NOTE_C_RT	N	2	0	Number of Teachers Retired
NOTE_C_RE	N	2	0	Number of Teachers Resigned
NOTE_C_T	N	2	0	Number of Teachers Terminated
NOTE_C_TR	N	2	0	Number of Teachers Transferred
NOTE_C_D	N	2	0	Number of Teachers Died
NEWAPP	N	2	0	Number of New Appointments

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACAD_YEAR	C	5	0	Academic Year
TNAME	C	20	0	Teachers Name
AGE	N	2	0	Age
SEX	C	2	0	Sex
QUALIF	C	2	0	Qualification
TRAINED	C	2	0	Whether Trained ?
LENSER	N	3	0	Length of Service
ATDINTR	C	2	0	Attended Inservice Training ?
RESPLA	C	2	0	Location of Residential Place
DISTR	N	2	0	Distance of School from Residence
LENPOS	N	3	0	Length of Posting at Place of Work

CODING SYSTEM

SEX :

M Male
F Female

TRAINED :

Y Yes
N No

RESPLA :

WP Within Premises
OP Outside Premises

ATDINTR :

Y Yes
N No

QUALIF :

01 Intermediate
03 B.Ed.
05 M.Ed

02 Graduate
04 Post Graduate

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACADYEAR	C	5	0	Academic Year
SCHTEGRA	C	2	0	Grade of Staff
SCHTESUB	C	2	0	Subject Code
SCHTECATE	C	2	0	Category of Staff
SCHTEMALE	N	2	0	Number of Male Teachers
SCHTEFMALE	N	2	0	Number of Female Teachers

CODING SYSTEM

SCHTESUB :

01 English
02 Hindi
03 Mathematics
07 Others

04 Science
05 Social Sciences
06 Regional Languages

SCHTECATE :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

SCHTEGRA :

R Regular
S Special

P Protected
T Temporary

SCHOOL EDUCATION

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
SCHNAME	C	22	0	School Name
SCHSTAGE	C	2	0	Stage of School
SCHTYPE	C	2	0	School Type
SCHMEDIUM	C	2	0	School Medium
SCHADDRESS	C	22	0	School Address
FROMCLASS	C	2	0	Starting From Class
TOCLASS	C	2	0	To Class
SCHMANAG	C	2	0	Management Body
SCHCATE	C	2	0	School Category
SCHSTYEAR	N	4	0	Year of Establishment
BOARDNAM	C	22	0	Board Name

CODING SYSTEM

SCHSTAGE :

M Middle School
HS Higher Secondary School

H High School
S Secondary School

SCHTYPE :

B Boys Only
G Girls Only
CO Co-education

SCHMEDIUM :

SM Single Medium
MM Multi Medium

SCHMANAG :

CG Central Government
SG State Government
PA Private Aided

PU Private Unaided
LB Local Body

SCHCATE :

01 Normal School
02 School for Handicapped
03 Reformatory School
04 School for Oriental Studies

05 School for Blinds
06 School for Deaf / Dumb
07 School for Mentally Retarded

DATABASE FILE
NAME
DESCRIPTION

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
SCHBLDTYPE	C	2	0	School Building Type
SCHBLDAREA	N	6	0	Area of School Building
SCHCLASSNO	N	2	0	Number of Class Rooms
SCHBORDNO	N	2	0	Number of Black Boards
SCHROFTYPE	C	2	0	Type of Roof
SCHWATTYPE	C	2	0	Type of Water Facility
SCHELECT	C	2	0	School Electrified
SCHLATAVAB	C	2	0	Latrine Available For Boys?
SCHLATAVAG	C	2	0	Latrine Available For Girls ?
MEALAV	C	2	0	Mid Day Meal Available?
NO_BENM	N	3	0	Number Benefited
FREEUNIA	C	2	0	Free Uniforms Available?
NO_BENUNI	N	3	0	Number Benefited
FRRETBK	C	2	0	Free Text Books Available ?
NO_BENTB	N	3	0	Number Benefited
MEDFAC	C	2	0	Yearly Medical Facility Available ?
NO_BENMED	N	3	0	Number Benefited
VACFAC	C	2	0	Vaccination Facility Available ?
FIRSTAB	C	2	0	First Aid Box Available?
HOS_FAC	C	2	0	Hostel Facility Available?
HOS_TYPE	C	2	0	Hostel Type
T_INMATES	N	4	0	Total Inmates
ST_QUAR	C	2	0	Staff Quarter Facility Available?
QUAR_TYPE	C	2	0	Quarter Type
NO_BEN	N	4	0	Number Benefited
NCCFAC	C	2	0	NCC Facility Available ?
NSSFAC	C	2	0	NSS Facility Available ?
SCOUT	C	2	0	Scout and Guide Facility Available ?

CODING SYSTEM SCHBLDTYPE :

01	Pucca Building	04	Thatched Hut
02	Partially Pucca Building	05	Tents
03	Kuchha Building	06	Open Space

SCHROFTYPE :

01	Concrete
02	Tiled
03	Thached

SCHWATTYPE :

P	Pipe
W	Well
N	None

MEALAV / FREEUNIA / FREETBK / MEDFAC / VACFAC / FIRSTAB / NCCFAC / SCHELECT / NSSFAC / SCOUT :

Y Yes N No

HOS_FAC / ST_QUAR : HOS_TYPE:

A Available B For Boys
 NA Not Available G For Girls
 CO Common Facility

QUAR_TYPE :

R Residential Type
 B Boarding Type

**DATABASE FILE
 NAME
 DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACAD-YEAR	C	5	0	Academic Year
AREA-PLAY	N	7	2	Area of Play Ground
SCHPLYSTAT	C	2	0	Play Ground Available ?
SCHPLYLOCN	C	2	0	School Play Ground Location
SCHPLYCOND	C	2	0	School Play Ground Condition

CODING SYSTEM

SCHPLYSTAT :

SCHPLYLOCN :

Y Available
 N Not Available

01 Within Premises
 02 Outside Premises

SCHPLYCOND :

01 Usable
 02 Unusable

**DATABASE FILE
 NAME
 DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACAD-YEAR	C	5	0	Academic Year
SCHGAMEPL	C	2	0	Game Code
PLAYED	C	2	0	Game Played?
SCHGAMMATR	C	2	0	Material Available?

CODING SYSTEM SCHGAMEPL :

01 Football	08 Javelin
02 Hockey	09 Hammer
03 Cricket	10 Disc Throw
04 Basket Ball	11 Gymnastics
05 Volley Ball	12 Athletics
06 Badminton	13 Archery
07 Shotput	14 Kabbadi
	15 Khokho

PLAYED :

PL Played
NP Not Played

SCHGAMMATR :

01 Available
02 Not Available

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACADYEAR	C	5	0	Academic Year
SCHSUBJECT	C	2	0	Subject Code
SCHLIBBOOK	N	4	0	Number of Text Books
SCHREFBK	N	4	0	Number of Reference Books

CODING SYSTEM SCHSUBJECT :

01 Physics	08 Hindi
02 Chemistry	09 Civics
03 Mathematics	10 Sanskrit
04 Biology	11 Social Sciences
05 History	12 Craft
06 Geography	13 Regional Languages
07 English	14 Computer Science
	15 Engineering Drawing

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
SCHSHLNAME	C	20	0	Scholarship Name
SCHACYEAR	C	5	0	Academic Year
SCHSTCATE	C	2	0	Category of Student
SCHBOYAWD	N	3	0	Number of Boys Awarded
SCHGIRLAWD	N	2	0	Number of Girls Awarded
SCHSHLRATE	N	6	2	Scholarship Rate
SCHSHLPER	C	2	0	Periodicity

CODING SYSTEM

SCHSTCATE :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

SCHSCLPER :

M Monthly
A Annually

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACADYEAR	C	5	0	Academic Year
CENSPON_PR	C	2	0	Project Code
NO_BEN	N	3	0	Number Benefited

CODING SYSTEM

CENSPON_PR:

01 CLASS Project
02 Science Education
03 Environmental Education

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACADMCYEAR	C	5	0	Academic Year
CGOVTREC	N	9	2	From Central Government (Recurring)
SGOVTREC	N	9	2	From State Government (Recurring)
LOCLBDYREC	N	9	2	Local Bodies (Recurring)
TUTIONFEE	N	9	2	From Tution Fee
HOSTELFEE	N	9	2	Received From Hostel Fee
OTHERFEE	N	9	2	Received From Other Fees
CGOVTNREC	N	9	2	From Central Government (Non Recurring)
SGOVTNREC	N	9	2	From State Government (Non Recurring)
LOCALBNREC	N	9	2	From Local Bodies (Non Recurring)
OTHNREC	N	9	2	Others Sources (Non Recurring)

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACADYEAR	C	5	0	Academic Year
SALTECREC	N	9	2	Salary Teaching Staff
SALNTECREC	N	9	2	Salary Non Teaching Staff
HOSTELREC	N	9	2	Hostel Expenses
LIBREC	N	9	2	Library Expenses (Recurring)
FEECONREC	N	9	2	Fee Concession
LABMATREC	N	9	2	Laboratory Material Expenses
OTHERS	N	9	2	Others Expenses (Recurring)
LIBNREC	N	9	2	Library Expenses (Non Recurring)
BUILDINGNR	N	9	2	Building Expenses (Non Recurring)
OTHNREC	N	9	2	Other Expenses (Non Recurring)

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
SCHPRYEAR	C	5	0	Academic Year
SCHSTAND	C	3	0	Standard / Trade
SCHCAT	C	2	0	Students Category
SCHBOYAPP	N	4	0	No. of Boys Appeared
SCHGRLAPP	N	4	0	No. of Girls Appeared
SCHBOY_1CL	N	3	0	Boys 1st Class
SCHGRL_1CL	N	3	0	Girls 1st Class
SCHBOY_2CL	N	3	0	Boys 2nd Class
SCHGRL_2CL	N	3	0	Girls 2nd Class
SCHBOY_3CL	N	3	0	Boys 3rd Class
SCHGRL_3CL	N	3	0	Girls 3rd Class

CODING SYSTEM

SCHSTAND :

01	6th	05	10th
02	7th	06	11th
03	8th	07	12th
04	9th		

SCHCAT :

SC	Scheduled Caste
ST	Scheduled Tribe
OT	Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACADYEAR	C	5	0	Academic Year
SCHBLDSTAT	C	2	0	School Building Status
SCHBLDTYPE	C	2	0	School Building Type
SCHMAINT	C	20	0	Name of Construction Work
CONST_UND	C	2	0	Scheme Code
SCHLADAREA	N	5	0	Area of Land Available
SCHCONAREA	N	5	0	Area of Construction Proposed
SCHLADCOST	N	9	2	Cost of Land Aquisition
SCHESTCOST	N	9	2	Cost for Work (Approved)
SCHACTEXP	N	9	2	Amount of Actual Expenditure
SCHAMTNEED	N	9	2	Amout Needed to Complete
SCHDTSTART	D	8	0	Date of Start of Work
SCHDTSHDCO	D	8	0	Scheduled Date of Completion
SCHDTCOMP	D	8	0	Date of Completion

CODING SYSTEM SCHBLDSTAT :

- 01 Having Building Which Require Re-construction
- 02 School Having Land But No Building
- 03 School Requiring Additional Accommodation
- 04 School Having Niether Land Nor Building
- 05 Building Required Other Than School Building
- 06 School Requiring Construction of Staff Quarters

SCHBLDTYPE :

- 01 Pucca Building
- 02 Partly Pucca Building
- 03 Kuchha Building
- 04 Thatched Huts
- 05 Tents
- 06 Open Space

CONST_UND :

- 01 IRDP
- 02 NREP
- 03 RLEGP
- 04 Own Efforts

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
SCHACYEAR	C	5	0	Academic Year
SCHSTAND	C	2	0	Standard / Trade
SCHSTCAT	C	2	0	Students Category
SCHNOBOY	N	3	0	Strength of Boys
SCHNOGIRL	N	3	0	Strength of Girls

CODING SYSTEM SCHSTAND :

- 01 6th
- 02 7th
- 03 8th
- 04 9th
- 05 10th
- 06 11th
- 07 12th

SCHSTCAT :

- SC Scheduled Caste
- ST Scheduled Tribe
- OT Others

DATABASE FILE
NAME
DESCRIPTION

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACDYEAR	C	5	0	Academic Year
CLASS	C	2	0	Class
AGE_GR	C	2	0	Age Group
TOTBOYS	N	3	0	Previous Strength (Boys)
TOTGIRLS	N	3	0	Previous Strength (Girls)
TOTBOYENR	N	3	0	New Enrollments (Boys)
TOTGIRLENR	N	3	0	New Enrollments (Girls)
TOTBOYDR	N	3	0	Total Dropouts (Boys)
TOTGIRLDR	N	3	0	Total Dropouts (Girls)

CODING SYSTEM

CLASS :

01	6th	05	10th
02	7th	06	11th
03	8th	07	12th
04	9th		

AGE_GR :

01	11 to below 14 years
02	14 to below 16 years
03	16 to below 18 years
04	18 years and above

DATABASE FILE
NAME
DESCRIPTION

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACAD_YEAR	C	5	0	Academic Year
NOTE_C_B	N	3	0	Number of Teachers in Beginning
NOTE_C_RT	N	3	0	Number of Teachers Retired
NOTE_C_RE	N	3	0	Number of Teachers Resigned
NOTE_C_T	N	3	0	Number of Teachers Terminated
NOTE_C_TR	N	3	0	Number of Teachers Transferred
NOTE_C_D	N	2	0	Number of Teachers Died
NEWAPP	N	2	0	New Appointments

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACADYEAR	C	5	0	Academic Year
TNAME	C	20	0	Teachers Name
AGE	N	2	0	Age
SEX	C	2	0	Sex
QUALIF	C	2	0	Qualification
TRAINED	C	2	0	Whether Trained?
LENSER	N	3	0	Length of Service
ATDINTR	C	2	0	Attended In-service Training?
RESPLA	C	2	0	Location of Residential Place
DISTR	N	2	0	Distance of School From Residence
LENPOS	N	3	0	Length of Posting at Place of Work

CODING SYSTEM

SEX :

M Male
F Female

RESPLA :

WP Within Premises
OP Outside Premises

QUALIF :

10 Intermediate
02 Graduate
03 B.Ed.

TRAINED :

Y Yes
N No

ATDINTR :

Y Yes
N No

04 Post Graduate
05 M.Ed.

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACADYEAR	C	5	0	Academic Year
QUALIF	C	2	0	Teachers Qualification
TRG	C	2	0	Trained/Untrained?
SCHSTATUS	C	2	0	Education Stage
NOSCMALE	N	4	0	Number of Scheduled Caste Teachers (Male)
NOSCFE	N	4	0	Number of Scheduled Caste Teachers (Female)
NOSTMALE	N	4	0	Number of Scheduled Tribe Teachers (Male)
NOSTFE	N	4	0	Number of Scheduled Tribe Teachers (Female)
NOMALE	N	4	0	Number of Other Male Teachers
NOFEMALE	N	4	0	Number of Other Female Teachers

CODING SYSTEM **QUALIF :**

- | | |
|------------------------------------|----------------------------|
| 01 Below Middle Pass | 05 Graduate |
| 02 Middle Pass | 06 Post Graduate/Doctorate |
| 03 Matriculate | 07 Others |
| 04 Higher Secondary / Intermediate | |

TRG :

- T Trained
UT Untrained

SCHSTATUS :

- | | |
|---------------------------|-----------------------------------|
| 01 Upper Primary (Middle) | 03 Higher Secondary (Old Pattern) |
| 02 Secondary | 04 Intermediate |

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
SCHCODE	C	10	0	School Code
ACADYEAR	C	5	0	Academic Year
SCHTEGRA	C	2	0	Grade of Staff
SCHTESUB	C	3	0	Subject Taught
SCHTECATE	C	2	0	Category of Staff
SCHTEMALE	N	2	0	Number of Male Teachers
SCHTEFMALE	N	2	0	Number of Female Teachers

CODING SYSTEM SCHTESUB :

01	Physics	08	Hindi
02	Mathematics	09	Civics
03	Chemistry	10	Sanskrit
04	History	11	Crafts
05	Geography	12	Social Sciences
06	Biology	13	Regional Language
07	Engligh	14	Others

SCHTECATE :

SC	Scheduled Caste
ST	Scheduled Tribe
OT	Others

SCHTEGRA :

R	Regular	P	Protected
S	Special	T	Temporary

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
VOCNAME	C	20	0	Name of Vocational Centre
REF_YEAR	C	5	0	Reference Year
VOC_COURSE	C	15	0	Name of Vocational Course
COURSE_DU	N	3	0	Course Duration
BOYS	N	3	0	Number of Boys
GIRLS	N	3	0	Number of Girls

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
VOCNAME	C	20	0	Name of Vocational Centre
REF_YEAR	C	5	0	Reference Year
VOC_COURSE	C	15	0	Name of Vocational Course
NAME_INS_A	C	20	0	Name of Instructor
QUALIF	C	15	0	Qualifications
DATE_APP	D	8	0	Date of Appointment

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
VOCNAME	C	20	0	Name of Vocational Centre
REF_YEAR	C	5	0	Reference Year
AMT_SANC	N	10	2	Amount Sanctioned (Rs.)
EXPEND	N	10	2	Expenditure (In Rs.)
REMARKS	C	22	0	Remarks, If Any

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
VOCNAME	C	20	0	Name of Vocational Centre
COURSENAME	C	15	0	Name of Vocational Course
REF_YEAR	C	5	0	Reference Year
TOTSTUD	N	3	0	Total Students
STUD_APP	N	3	0	Students Appeared
STUD_PASS	N	3	0	Students Passed

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
VOCNAME	C	20	0	Name of Vocational Centre
REF_YEAR	C	5	0	Reference Year
NAME_EQUIP	C	15	0	Name of Equipment
NO_REQD	N	3	0	Number Required
NO_SUPP	N	3	0	Number Supplied
COST_EQUIP	N	8	2	Cost of Equipment

COLLEGE EDUCATION

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
COLNAME	C	22	0	College Name
COLTYPE	C	2	0	Type of College
COLADDRES	C	21	0	College Address
COLMANAGE	C	2	0	Type of Management
COLSTYEAR	C	5	0	Commenced Academic Year
COLUNIV	C	20	0	Affiliated to which University

CODING SYSTEM

COLTYPE :

AS	Arts & Science	S	Science
AC	Arts & Commerce	C	Commerce
SC	Science & Commerce	A	Arts
SA	Science, Arts & Commerce	UD	University Department
TC	Training College	OT	Others

COLMANAGE :

CG	Central Government	PA	Private Aided
SG	State Government	UA	Private Unaided

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
ACYEAR	C	5	0	Academic Year
SCHOLNAME	C	20	0	Scholarship Name
STDCAT	C	2	0	Category of Student
NOBOY	N	4	0	Number of Boys Awarded
NOGIRL	N	4	0	Number of Girls Awarded
AMT	N	7	2	Scholarship Rate
SCHPRD	C	2	0	Periodicity

CODING SYSTEM

STDCAT :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

SCHPRD :

M Monthly
A Annually

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
ACAD-YEAR	C	5	0	Academic Year
PLYSTA	C	2	0	College Play Ground Status
PLYSTA	N	7	2	Area of Play Ground
PLYLOCN	C	2	0	College Play Ground Location
PLYCOND	C	2	0	College Play Ground Condition

CODING SYSTEM

PLYSTA :

A Available
NA Not available

PLYLOCN :

01 Within Premises
02 Outside Premises

PLYCOND :

US Usable
UN Unusable

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
ACADYEAR	C	5	0	Academic Year
GAME	C	2	0	Games Code
PLAYED	C	2	0	Games Played?
GAMMATR	C	2	0	Material Available ?

CODING SYSTEM GAME :

01	Football	09	Hammer
02	Hockey	10	Disc Throw
03	Cricket	11	Gymnastic
04	Basket Ball	12	Atheletics
05	Volley Ball	13	Archery
06	Badminton	14	Table Tennis
07	Shotput	15	Kabbadi
08	Javelin	16	Khokho
17	Lawn Tennis		

PLAYED :

PL Played
NP Not Played

GAMMATR :

A Available
NA Not Available

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
YEAR	C	5	0	Academic Year
NOBOOKGEN	N	6	0	Number of Books (Reference Section)
NOBOOKREF	N	6	0	Number of Books (General Section)
NOJOURNAL	N	4	0	Number of Journals
NOPERIOD	N	4	0	Number of Periodicals
NORPAPER	N	4	0	Number of Research Paper

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
ACADMCYEAR	C	5	0	Academic Year
CGOVTREC	N	9	2	From Central Government (Recurring)
SGOVTREC	N	9	2	From State Government (Recurring)
UGCRC	N	9	2	From U.G.C. (Recurring)
UNIVREC	N	9	2	From University (Recurring)
LOCLBDYREC	N	9	2	Local Bodies (Recurring)
TUTIONFEE	N	9	2	From Tution Fee
HOSTELFEE	N	9	2	Received From Hostel Fee
OTHERFEE	N	9	2	Received From Other Fees
CGOVTNREC	N	9	2	Central Government (Non Recurring)
SGOVTNREC	N	9	2	State Government (Non Recurring)
UGCNR	N	9	2	U.G.C. (Non Recurring)
UNIVNREC	N	9	2	University (Non Recurring)
LOCALBNREC	N	9	2	Local Bodies (Non Recurring)
OTHNREC	N	9	2	Other Sources (Non Recurring)

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
ACADYEAR	C	5	0	Academic Year
SALTECREC	N	9	2	Salary Teaching Staff
SALNTECREC	N	9	2	Salary Non Teaching Staff
HOSTELREC	N	9	2	Hostel Expenses
LIBREC	N	9	2	Library Expenses (Recurring)
FEECONREC	N	9	2	Fee Concession
LABMATREC	N	9	2	Laboratory Material Expenses
Others	N	9	2	Other Expenses (Recurring)
LIBNREC	N	9	2	Library Expenses (Non Recurring)
BUILDINGNR	N	9	2	Building Expenses (Non Recurring)
OTHNREC	N	9	2	Other Expenses (Non Recurring)

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
ACADYEAR	C	5	0	Academic Year
*COURSES	C	2	0	Courses at Pre-University Level
TBOYAP	N	4	0	Number of Boys Appeared
TGIRLAPP	N	4	0	Number of Girls Appeared
TBOYPASS	N	4	0	Total Boys Passed
TGIRLPASS	N	4	0	Total Girls Passed

*For Course Code See Appendix – IA

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
ACADYEAR	C	5	0	Academic Year
*COURSES	C	2	0	Courses at Intermediate Level
TBOYAP	N	4	0	Number of Boys Appeared
TGIRLAPP	N	4	0	Number of Girls Appeared
TBOYPASS	N	4	0	Total Boys Passed
TGIRLPASS	N	4	0	Total Girls Passed

* For Course Code See Appendix – IA

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
ACADYEAR	C	5	0	Academic Year
*COURSES	C	2	0	Courses at Graduate Level
TBOYAP	N	4	0	Number of Boys Appeard
TGIRLAPP	N	4	0	Number of Girls Appeared
TBOYPASS	N	4	0	Total Boys Passed
TGIRLPASS	N	4	0	Total Girls Passed

* For Course Code See Appendix – IA

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
ACADYEAR	C	5	0	Academic Year
*COURSES	C	2	0	Courses at Post Graduate Level
TBOYAP	N	4	0	Number of Boys Appeared
TGIRLAPP	N	4	0	Number of Girls Appeared
TBOYPASS	N	4	0	Total Boys Passed
TGIRLPASS	N	4	0	Total Girls Passed

* For Course Code See Appendix – IA

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
ACADYEAR	C	5	0	Academic Year
*COURSES	C	2	0	Courses at Post Graduate Diploma Level
TBOYAP	N	4	0	Number of Boys Appeared
TGIRLAPP	N	4	0	Number of Girls Appeared
TBOYPASS	N	4	0	Total Boys Passed
TGIRLPASS	N	4	0	Total Girls Passed

* For Course Code See Appendix – IA

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
COLBLDSTAT	C	2	0	College Building Status
COLBLDTYPE	C	2	0	College Building Type
COLMAINT	C	20	0	Name of Construction Work
COLLADAREA	N	5	0	Area of Land Available
COLCONAREA	N	5	0	Area of Construction Proposed
COLLADCOST	N	9	2	Cost of Land Aquisition
COLESTCOST	N	9	2	Cost for Work (Approximate)
COLACTEXP	N	9	2	Amount of Actual Expenditure
COLAMTNEED	N	9	2	Amount Needed to Complete
COLDTSTART	D	8	0	Date Start of Work
COLDTSHDCO	D	8	0	Scheduled Date of Completion

CODING SYSTEM

SCHBLDSTAT :

- 01 Having Building which Require Reconstruction
- 02 College Requiring Additional Accomodation
- 03 Building Required Other than College Building
- 04 College Requiring Construction of Staff Quarters

COLBLDTYPE :

- 01 Pucca Building
- 02 Partly Pucca Building
- 03 Thatched

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
ACADYEAR	C	5	0	Academic Year
STCAT	C	2	0	Students Category
NOBOYENROL	N	4	0	No. of Male Students
NOGIRLENL	N	4	0	No. of Female Students

CODING SYSTEM STCAT :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
ACADYEAR	C	5	0	Academic Year
*COURSES	C	2	0	Courses at Pre-University Level
STCAT	C	2	0	Students Category
TBOYEN	N	4	0	Number of Boys Enrolled
TGIRLEN	N	4	0	Number of Girls Enrolled

* For Course Code See Appendix – IA

CODING SYSTEM STCAT :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
ACADYEAR	C	5	0	Academic Year
*COURSES	C	2	0	Courses at Intermediate Level
STCAT	C	2	0	Students Category
TBOYEN	N	4	0	Number of Boys Enrolled
TGIRLEN	N	4	0	Number of Girls Enrolled

* For Course Code See Appendix – IA

CODING SYSTEM

STCAT :

SC Scheduled Caste
ST Scheduled TRIBE
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
ACADYEAR	C	5	0	Academic Year
*COURSES	C	2	0	Courses at Graduation Level
STCAT	C	2	0	Students Category
TBOYEN	N	4	0	Number of Boys Enrolled
TGIRLEN	N	4	0	Number of Girls Enrolled

*For Course Code See Appendix – IA

CODING SYSTEM

STCAT :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
ACADYEAR	C	5	0	Academic Year
*COURSES	C	2	0	Courses at Post Graduate Level
STCAT	C	2	0	Students Category
TBOYEN	N	4	0	Number of Boys Enrolled
TGIRLEN	N	4	0	Number of Girls Enrolled

* For Course Code See Appendix – IA

CODING SYSTEM STCAT :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	10	0	College Code
ACADYEAR	C	5	0	Academic Year
*COURSES	C	2	0	Courses at Post Graduate Diploma Level
STCAT	C	2	0	Students Category
TBOYEN	N	4	0	Number of Boys Enrolled
TGIRLEN	N	4	0	Number of Girls Enrolled

* For Course Code See Appendix – IA

CODING SYSTEM STCAT :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	*C	10	0	College Code
YEAR	C	5	0	Academic Year
CU_CODE*	C	2	0	Course Code
PREPRMM	N	3	0	Number of Permanent Male Teachers
PREPRMF	N	3	0	Number of Permanent Female Teachers
PRETMPF	N	3	0	Number of Temporary Female Teachers
PRETMPM	N	3	0	Number of Temporary Male Teachers

*For Course Code Refer Appendix-IA

TECHNICAL EDUCATION

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	Institute Name
INSTYPE	C	2	0	Type of Institute
COLADDRESS	C	22	0	Institute Address
COLMANAGE	C	2	0	Type of Management
COLSTYEAR	C	5	0	Commenced Academic Year
COLUNIV	C	20	0	Name of Affiliating Body
YRESTAB	N	4	0	Year of Establishment
INSTTYPE	C	2	0	Institute Type

CODING SYSTEM INSTYPE :

01	Post Graduate Institution	07	Women's Polytechnic
02	Post Graduate Diploma Institute	08	Advanced Technician
03	Post Graduate Management Institute	09	Special Institution
04	Degree Institution	10	Community Polytechnic
05	Post Diploma Institution	11	Post Doctoral Research Institute
06	Diploma Institution	12	Doctoral Degree Institute

COLMANAGE :

CG Central Government
 SG State Government
 PA Private Aided
 PU Private Unaided

LB Local Body
 AC Autonomous Central Government Institute
 AS Autonomous State Government Institute

INSTTYPE :

B For Boys
 G For Girls
 CO Common Facility

**DATABASE FILE
 NAME
 DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	Institute Name
ACADYEAR	C	5	0	Academic Year
NODEPT	N	3	0	Number of Department
TOTCAMPAR	N	6	0	Total Campus Area
COLBLDAREA	N	6	0	Area of College Building
COLCLASSNO	N	3	0	Number of Class Rooms
COLHOSFAC	C	2	0	Hostel Facility
TOTHOSAREA	N	6	0	Total Hostel Area
HTYPE	C	2	0	Hostel Type
COLHOSCAP	N	3	0	No. of Rooms
COLHOSINT	N	3	0	Total Inmates
HOSTELBILL	N	8	2	Average Hostel Bill Per Student
ST_QUAR	C	2	0	Staff Quarter Facility Available
TOTQUARAR	N	8	0	Total Quarter Area
QUAR_TYPE	C	2	0	Quater Type
NO_BEN	N	4	0	Number of Benefited

CODING SYSTEM

HTYPE :

G For Gents
 L For Ladies

ST_QUAR/COLHOSFAC :

A Available
 NA Not Available

QUAR_TYPE :

R Residential Type
 B Boarding Type

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
ACAD-YEAR	C	5	0	Academic Year
COLNAME	C	22	0	Institute Name
PLYSTA	C	2	0	Institute Play Grond Status
PLYLOCN	C	2	0	Play Ground Location
PLYCOND	C	2	0	Institute Play Ground Condition
SWIMPOOL	C	2	0	Swimming Pool Available?
PLAY-AREA	N	7	2	Play Ground Area

CODING SYSTEM

PLYSTA :

Y Available
N Not available

PLYLOCN :

WP Within Premises
OP Outside Premises

PLYCOND :

US Usable
UN Unusable

SWIMPOOL :

Y Yes
N No

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
ACAD-YEAR	C	5	0	Academic Year
COLNAME	C	22	0	Institute Name
GAME	C	2	0	Institute Games
PLAYED	C	2	0	Games Played?
GAMMATR	C	2	0	Institute Games Material

CODING SYSTEM

GAME :

01	Foot Ball	09	Hammer	17	Lawn Tennis
02	Hockey	10	Disc Throw	18	Billiards
03	Cricket	11	Gymnastic	19	Squash
04	Basket Ball	12	Athletics		
05	Volley Ball	13	Archery		
06	Badminton	14	Table Tennis		
07	Shotput	15	Kabbadi		
08	Javelin	16	Khokho		

PLAYED :

GAMMATR :

PL Played
NP Not Played

A Available
NA Not Available

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	Institute Name
ACADYEAR	C	5	0	Academic Year
COLIBNOB	N	5	0	Number of Text Books
NOREFBOOK	N	5	0	Number of Reference Books
COLIBNOJM	N	5	0	Number of Journals (Monthly)
JRQUAR	N	5	0	Number of Journals (Quarterly)
JRHLY	N	5	0	Number of Journals (Half Yearly)
JRYLY	N	5	0	Number of Journals (Yearly)
NOMAZ	N	4	0	Number of Magazines
GRANTLIB	N	10	2	Grant For Library

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLCODE	C	22	0	Institute Name
COLSHLNAME	C	20	0	Scholarship Name
COLACYEAR	C	5	0	Academic Year
COLSTCATE	C	2	0	Category of Student
COLSHLBOY	N	4	0	Number of Boys
COLSHLGIRL	N	4	0	Number of Girls
COLSHLRATE	N	4	0	Scholarship Rate
COLSHLPER	C	2	0	Periodicity

CODING SYSTEM COLSTCATE :

COLSHLPER :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

M Monthly
A Annually

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	Institute Name
ACADMYEAR	C	5	0	Academic Year
CGOVTREC	N	9	2	Central Government (Recurring)
SGOVTREC	N	9	2	State Government (Recurring)
UGCRC	N	9	2	From U.G.C. (Recurring)
UNIVREC	N	9	2	From University (Recurring)
LOCLBDYREC	N	9	2	Local Body (Recurring)
TUTIONFEE	N	9	2	From Tution Fee
HOSTELFEE	N	9	2	Hostel Fee (Recurring)
INDREC	N	9	2	From Industry (Recurring)
CONSPROJRE	N	9	2	Consultancy Project (Recurring)
GOVTSPOREC	N	9	2	Government Sponsored Project (Recurring)
INFUNDREC	N	9	2	International Funding (Recurring)
OTHERS	N	9	2	Other Sources (Recurring)
CGOVTNREC	N	9	2	Central Government (Non Recurring)
SGOVTNREC	N	9	2	State Government (Non Recurring)
UGCNR	N	9	2	U.G.C. (Non Recurring)
UNIVNREC	N	9	2	University (Non Recurring)
LOCLBDYNR	N	9	2	Local Body (Non Recurring)
INDNREC.	N	9	2	From Industry (Non Recurring)
CONSPRNREC	N	9	2	Consultancy Projects (Non Recurring)
GSPPRNREC	N	9	2	Government Sponsored Project (Non Recurring)
INFUNDNREC	N	9	2	International Funding (Non Recurring)
OTHERSNR	N	9	2	Others (Non Recurring)

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	Institute Name
ACADYEAR	N	5	0	Academic Year
SALTECREC	N	9	2	Salary Teaching Staff
SALNTECREC	N	9	2	Salary Non Teaching Staff
HOSTELREC	N	9	2	Hostel Expenses
LIBREC	N	9	2	Library Expenses (Recurring)
FEECONREC	N	9	2	Fee Concession
LABMATREC	N	9	2	Laboratory Material Expenses
OTHERS	N	9	2	Other Expenses (Recurring)
LIBNREC	N	9	2	Library Expenses (Non Recurring)
BUILDINGNR	N	9	2	Building Expenses (Non Recurring)
OTHNREC	N	9	2	Other Expenses Non Recurring

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
INSTNAME	C	22	0	Institute Name
DEPTNAME	C	20	0	Department Name
NAMELAB	C	20	0	Name of Laboratory
ACAD_YR	C	5	0	Academic Year
ANGRREC	N	10	2	Annual Grant (Recurring)
ANGRNREC	N	10	2	Annual Grant (Non Recurring)
ECOLFLAC	N	10	2	Total Equipments Cost for Equipment Cost < 5 Lacs

CODING SYSTEM COSTMFLAC :

Y Yes
N No

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
INSTNAME	C	22	0	Institute Name
DEPTNAME	C	20	0	Department Name
NAMELAB	C	20	0	Name of Laboratory
ACAD_YR	C	5	0	Academic Year
NAM_EQUIP	C	20	0	Name of Equipment
YEARPR	N	4	0	Year of Purchase
CONDEQUIP	C	2	0	Condition of Equipment
EXPLIFE	N	4	0	Expected Life Equipment (In Year)

CODING SYSTEM CONDEQUIP :

W Working Condition NW Not Working

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
INSTNAME	C	22	0	Institute Name
NAM_PROJ	C	20	0	Name of Sponsored Project
SPON_AUTH	C	2	0	Sponsoring Authority
YRSTART	N	4	0	Year of Start
NOACSTWO	N	3	0	Number of Academic Staff Working
NOSTDWOR	N	3	0	Number of Students Working
NOSSPWOR	N	3	0	Number of Support Persons Working
TOTSANAMT	N	9	2	Total Sanctioned Amount
PERIODPR	N	3	0	Period of Project
NOPAPUB	N	3	0	Number of Papers/Reports Published

CODING SYSTEM SPON_AUTH :

01 Industry	03	Public Agency
02 Government	04	International Agency

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
INSTNAME	C	22	0	Institute Name
COLDPTNAME	C	20	0	Institute Department Name
LIBNAME	C	20	0	Name of Library
ACADYEAR	C	5	0	Academic Year
COLIBNOB	N	6	0	Number of Text Books
NoREFBOOK	N	6	0	Number of Reference Book
COLIBNOJ	N	5	0	Number of Journals
NOMAGZ	N	4	0	Number of Magazines
GRANTLIB	N	10	2	Annual Grant for Library
BOOKLOAN	C	2	0	Book Loan Scheme Available

CODING SYSTEM BOOKLOAN:

Y Yes N No

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
INSTNAME	C	20	0	Institute Name
DEPTNAME	C	20	0	Department Name
NAMEST	C	20	0	Name of Person
DESIG	C	20	0	Designation
GRADE	C	15	0	Grade of Post
TYPE_POST	C	2	0	Type of Post
SEX	C	2	0	Sex
CASTE	C	2	0	Category
AGE	N	2	0	Age (In Years)
QUALIF	C	20	0	Qualification with Subject and Specification
ACADEXP	N	3	0	Total Academic Experience
INSTEXP	N	3	0	Total Experience In Institute
RESACCOM	C	2	0	Accommodation Facility?
SPONPROJ	C	2	0	Working on Sponsored Project?
NORPAPER	N	3	0	Number of Reserach Papers Published

CODING SYSTEM

SEX

RESACCOM/SPONPROJ

M Male
F Female

Y Yes
N No

GRADE :

01 Vice Chancellor of University	06 Associate Professor	11 Tutors
02 Director of Institution	07 Reader	12 Demonstrator
03 Principal/Head of The Institution	08 Assistant Professor	13 Other Teaching Staff
04 Dean or Head of Faculty	09 Lecturer	14 Research Staff
05 Professor	10 Assistant Lecturer	

TYPE _ POST :

P Permant
T Temporary
PT Part Time

CASTE :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
INSTNAME	C	22	0	Institute Name
NAMEACPR	C	20	0	Name of Academic Programme
NAMEDEG	C	20	0	Name of Degree/Diploma Awarded
DURATION	C	9	0	Course Duration
MINADQUAL	C	20	0	Minimum Admission Qualification
MAXAGERES	N	2	0	Maximum Age Restriction
MODESEL	C	2	0	Mode of Selection
SEATSC	N	2	0	% Seats Reserved for SC
SEATST	N	2	0	% Seats Reserved for ST
SEATBC	N	2	0	% Seats for Backward Class
SEATOT	N	2	0	% Seats for Others

CODING SYSTEM

MODESEL

01 Written Test & Interview
02 Merit Wise Selection
03 Direct Nomination by Management

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	Institute Name
ACYEAR	C	5	0	Academic Year
*CORSECD	C	2	0	Course Code
STDCAT	C	2	0	Students Category
SANIN	N	3	0	Sanctioned Intake
ACADM	N	3	0	Actual Intake
TMALE	N	3	0	Total Males
TFEMALE	N	3	0	Total Females

* For Course Code See Appendix – IB

CODING SYSTEM

STDCAT :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	Institute Name
ACYEAR	C	5	0	Academic Year
*CORSECD	C	2	0	Course Code
STDCAT	C	2	0	Students Category
SANIN	N	3	0	Sanctioned Intake
ACADM	N	3	0	Actual Intake
TMALE	N	3	0	Total Males
TFEMALE	N	3	0	Total Females

* For Course Code See Appendix – IB

CODING SYSTEM

STDCAT :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	Institute Name
ACYEAR	C	5	0	Academic Year
*CORSECD	C	2	0	Course Code
STDCAT	C	2	0	Students Category
SANIN	N	3	0	Sanctioned Intake
ACADM	N	3	0	Actual Intake
TMALE	N	3	0	Total Males
TFEMALE	N	3	0	Total Females

* For Course Code See Appendix – IB

CODING SYSTEM STDCAT :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	Institute Name
ACYEAR	C	5	0	Academic Year
*CORSECD	C	2	0	Course Code
STDCAT	C	2	0	Students Category
SANIN	N	3	0	Sanctioned Intake
ACADM	N	3	0	Actual Intake
TMALE	N	3	0	Total Males
TFEMALE	N	3	0	Total Females

* For Course Code See Appendix –IB

CODING SYSTEM STDCAT :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	Institute Name
COLTESUB	C	2	0	Course Code
COLTECATE	C	2	0	Category of Staff
COLTEGRA	C	2	0	Grade of Staff
COLTEMALE	N	2	0	Number of Permanent Teachers (Male)
COLTEFEMALE	N	2	0	Number of Permanent Teachers (Female)
NOTMALE	N	2	0	Number of Temporary Teachers (Male)
NOTFEMALE	N	2	0	Number of Temporary Teachers (Female)

CODING SYSTEM

COLTECATE :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

COLTEGRA :

R Regular
S Special
P Protected
T Temporary

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	Institute Name
ACYEAR	C	5	0	Academic Year
*CORSECD	C	2	0	Course Code
STDCAT	C	2	0	Students Category
TOTAPP	N	3	0	Total Students Appeared
TOTPASS	N	3	0	Total Students Passed

* For Course Code See Appendix – IB

CODING SYSTEM

STDCAT :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	Institute Name
ACYEAR	C	5	0	Academic Year
*CORSECD	C	2	0	Course Code
STDCAT	C	2	0	Students Category
TOTAPP	N	3	0	Total Appeared
TOTPASS	N	3	0	Total Passed

* For Course Code See Appendix – IB

CODING SYSTEM STDCAT :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	Institute Name
ACYEAR	C	5	0	Academic Year
*CORSECD	C	2	0	Course Code
STDCAT	C	2	0	Students Category
TOTAPP	N	3	0	Total Appeared
TOTPASS	N	3	0	Total Passed

* For Course Code See Appendix – IB

CODING SYSTEM STDCAT :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	Institute Name
ACYEAR	C	5	0	Academic Year
*CORSECD	C	2	0	Course Code
STDCAT	C	2	0	Students Category
TOTAPP	N	3	0	Total Appeared
TOTPASS	N	3	0	Total Passed

* For Course Code See Appendix-IB

CODING SYSTEM STDCAT :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

MEDICAL EDUCATION

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	College Name
COLTYPE	C	2	0	College Type
COLADDRESS	C	21	0	College Address
COLMANAGE	C	2	0	Name of Management
NAMAFF	C	20	0	Name of Affiliating Body
TYPE AFF	C	2	0	Type of Affiliation
YEAR EST	C	4	0	Year of Establishment
COLSTYEAR	N	4	0	Commenced Academic Year

CODING SYSTEM COLTYPE :

01 Medical College
02 Ayurvedic College
03 Homeopathic College
04 Unani College

COLMANAGE :

CG Central Government
SG State Government
AU Autonomous

TYPE-AFF :

PA Private Aided
PU Private Unaided
01 Temporary
02 Provisional
03 Both

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	College Name
COLBTYPE	C	1	0	College Building Type
COLBLDAREA	N	6	0	Area of College Building
COLCLASSNO	N	3	0	Number of Class Rooms
COLROFTYPE	C	2	0	College Roof Type
COLWATTYPE	C	2	0	College Water Facility
HTYPE	C	2	0	Hostel Type
COLHOSFAC	C	2	0	Hostel Facility
COLHOSCAP	N	3	0	Capacity of Hostel
COLHOSINT	N	3	0	Total Inmates
ST_QUAR	C	2	0	Staff Quarter Facility
QUAR_TYPE	C	2	0	Quarter Type
NO_BEN	N	3	0	Number Benefited

CODING SYSTEM

COLBTYPE :

P Permanent
T Temporary

COLROFTYPE :

C Concrete
T Tiled
TH Thatched

COLWATTYPE

P Pipe
W Well
N None

HTYPE :

G For Gents
L For Ladies

ST_QUAR /COLHOSFAC: QUAR_TYPE :

A Available
NA Not Available

R Residential Type
B Boarding Type

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	College Name
COLDPTNAME	C	20	0	College Department Name
COLIBFAC	L	1	0	Library Facility Available ?
COLIBNOB	N	5	0	Number of Books
COLIBNOJ	N	5	0	Number of Journals
COLABFAC	L	1	0	Laboratory Facility Available ?
COLABMT	N	8	2	Grant Sanctioned for Laboratory

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	College Name
COLSHLNAME	C	20	0	Scholarship Name
COLACYEAR	C	5	0	Academic Year
COLSTCATE	C	2	0	Category of Student
COLSHLBOY	N	4	0	Number of Boys
COLSHLGIRL	N	4	0	Number of Girls
COLSHLRATE	N	4	0	Scholarship Rate
COLSHLPER	C	2	0	Periodicity

CODING SYSTEM

COLSTCATE :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

COLSHLPER :

M Monthly
A Anually

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	College Name
PLYSTA	C	2	0	College Play Ground Status
PLYLOCN	C	2	0	College Play Ground Location
PLYCOND	C	2	0	College Play Ground Condition
PLAY-AREA	N	7	2	Play Ground Area

CODING SYSTEM

PLYSTA :

Y Available
N Not Available

PLYLOCN :

WP Within Premises
OP Outside Premises

PLYCOND :

US Usable
UN Unusable

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	College Name
GAME	C	2	0	Games Code
PLAYED	C	2	0	Games Played ?
GAMMATR	C	2	0	Material Available

CODING SYSTEM Game:

01	Foot Ball	07	Shotput	13	Archery
02	Hockey	08	Javelin	14	Table Tennis
03	Cricket	09	Hammer	15	Kabbadi
04	Basket Ball	10	Disc Throw	16	Khokho
05	Volley Ball	11	Gymnastic	17	Lawn Tennis
06	Badminton	12	Atheletics		

PLAYED:

PL Played
NP Not Played

GAMMATR:

01 Available
02 Not Available

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	College Name
BEDS	N	4	0	Number of Beds
GENWARD	C	2	0	General Ward
OPD	C	2	0	O.P.D.
EMERG	C	2	0	Emergency Ward
OPTH	C	2	0	Operation Theater
SPSERVICE	C	2	0	Special Service
OPTFAC	C	2	0	Operation Facility
EQUIPMENT	C	2	0	Equipments Available

CODING SYSTEM GENWARD / OPD / EMERG / OPTH / SPSERVICE / OPTFAC / EQUIPMENT:

A Available
NA Not Available

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	College Name
COLACAYEAR	C	5	0	Academic Year
* COLCUCODE	C	2	0	Course Code
COLCUDURA	C	2	0	Course Duration (In Months)
COLSTCATE	C	2	0	Category of Student
COLBOYAT	C	N	0	Number of Boys Admitted
COLGIRLAT	C	N	0	Number of Girls Admitted

* For Course Code See Appendix-IC

CODING SYSTEM

COLSTCATE

SC Scheduled Caste
ST Scheduled Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	College Name
COLACAYEAR	C	5	0	Academic Year
* COLCUCODE	C	2	0	Course Code
COLCUDURA	C	2	0	Course Duration (In Months)
COLSTCATE	C	2	0	Category of Student
COLBOYAT	C	4	0	Number of Boys Admitted
COLGIRLAT	C	4	0	Number of Girls Admitted

* For Course Code See Appendix-IC

CODING SYSTEM

COLSTCATE :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	College Name
COLACYEAR	C	5	0	Academic Year
*COLCUCODE	C	2	0	Course Code
COLLUDUR	N	2	0	Course Duration (In Month)
COLSTCATE	C	2	0	Category of Student
COLBOYAT	N	4	0	Number of Boys Admitted
COLGIRLAT	N	4	0	Number of Girls Admitted

CODING SYSTEM * For Course Code See Appendix IC

COLTECATE:

SC Scheduled Caste
ST Scheduled Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	College Name
COLTESUB	C	2	0	Course Code
COLTECATE	C	2	0	Category of Staff
COLTEGRA	C	2	0	Grade of Staff
COLTEMALE	N	2	0	Number of Male Teachers
COLTEFMALE	N	2	0	Number of Female Teachers

CODING SYSTEM * For Course Code See Appendix IC

COLTEGRA:

R Regular
S Special
T Temporary

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	College Name
ACADMCYEAR	N	5	0	Academic Year
CGOVTREC	N	9	2	Central Government (Recurring)
SGOVTREC	N	9	2	State Government (Recurring)
UGCRC	N	9	2	From U.G.C. (Recurring)
UNIVREC	N	9	2	From University (Recurring)
LOCLBDYREC	N	9	2	Local Body (Recurring)
TUTIONFEE	N	9	2	From Tution Fee
HOSTELFEE	N	9	2	Hostel Fees (Recurring)
OTHERS	N	9	2	Other Fees (Recurring)
CGOVTNREC	N	9	2	Central Government (Non Recurring)
SGOVTNREC	N	9	2	State Government (Non Recurring)
UGCNR	N	9	2	U.G.C. (Non Recurring)
UNIVNREC	N	9	2	University (Non Recurring)
LOCLBDYNR	N	9	2	Local Body (Non Recurring)
OTHERSNR	N	9	2	Others (Non Recurring)

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	30	0	College Name
ACADYEAR	C	5	0	Academic Year
SALTECREC	N	9	2	Salary Teaching Staff
SALNTECREC	N	9	2	Salary Non Teaching Staff
HOSTELREC	N	9	2	Hostel Expenses
LIBREC	N	9	2	Library Expenses (Recurring)
FEECONREC	N	9	2	Fee Concessions
LABMATREC	N	9	2	Laboratory Material
OTHERS	N	9	2	Others Expenses (Recurring)
LIBNREC	N	9	2	Library Expenses (Non Recurring)
BUILDINGNR	N	9	2	Building Expenses (Non Recurring)
OTHNREC	N	9	2	Other Expenses (Non Recurring)

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	College Name
COLPRYEAR	C	5	0	Academic Year
*COLCUCODE	C	2	0	Course Code
COLSTCATE	C	2	0	Students Category
COLBOYAPP	N	4	0	No. of Boys Appeared
COLGRLAPP	N	4	0	No. of Girls Appeared
COLBOYPASS	N	4	0	No. of Boys Passed
COLGRLPASS	N	4	0	No. of Girls Passed
COLBOY_1CL	N	4	0	No. of Boys Secured I Class
COLGRL_1CL	N	4	0	No. of Girls Secured I Class
COLBOY_2CL	N	4	0	No. of Boys Secured II Class
COLGRL_2CL	N	4	0	No. of Girls Secured II Class

* FOR Course Code SEE APPENDIX-IC

CODING SYSTEM

COLSTCATE :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	College Name
COLPRYEAR	C	5	0	Academic Year
*COLCUCODE	C	2	0	Course Code
COLSTCATE	C	2	0	Students Category
COLBOYAPP	N	4	0	No. of Boys Appeared
COLGRLAPP	N	4	0	No. of Girls Appeared
COLBOYPASS	N	4	0	No. of Boys Passed
COLGRLPASS	N	4	0	No. of Girls Passed
COLBOY_1CL	N	4	0	No. of Boys Secured I Class
COLGRL_1CL	N	4	0	No. of Girls Secured I Class
COLBOY_2CL	N	4	0	No. of Boys Secured II Class
COLGRL_2CL	N	4	0	No. of Girls Secured II Class

CODING SYSTEM

* For Course Code See Appendix-IC

COLSTCATE:

SC Schedule Caste
ST Schedule Tribe
OT Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
COLNAME	C	22	0	College Name
COLPRYEAR	C	5	0	Academic Year
*COLCUCODE	C	2	0	Course Code
COLSTCATE	C	2	0	Students Category
COLBOYAPP	N	4	0	No. of Boys Appeared
COLGRLAPP	N	4	0	No. of Girls Appeared
COLBOYPASS	N	4	0	No. of Boys Passed
COLGRLPASS	N	4	0	No. of Girls Passed
COLBOY_1CL	N	4	0	No. of Boys Secured I Class
COLGRL_1CL	N	4	0	No. of Girls Secured I Class
COLBOY_2CL	N	4	0	No. of Boys Secured II Class
COLGRL_2CL	N	4	0	No. of Girls Secured II Class

CODING SYSTEM

* For Course Code See Appendix-IC

COLSTCATE:

SC Schedule Caste
ST Schedule Tribe
OT Others

ADULT EDUCATION

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
AEC_CODE	C	10	0	Adult Education Centre Code
PROJ_CODE	C	2	0	Project Code
CATEGORY	C	2	0	Category
TOTALNOMA	N	3	0	Number of Males
TATALFEMA	N	3	0	Number of Females
AV_AT_MALE	C	2	0	Average Attendance Males
AV_AT_FEML	C	2	0	Average Attendance Females

CODING SYSTEM

PROJ_CODE :

01 RLEP	05 UGC
02 SAEP	06 MPFL
03 VAS	07 Others
04 NYKS	

CATEGORY :

AV_AT_MALE / AV_AT_FEML :

SC Scheduled Caste	01 Less Than 10%
ST Scheduled TRIBE	02 10% To 20%
OT Others	03 20% To 30%
	04 More Than 30%

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
PROJ_CODE	C	2	0	Project Code
LIGHT_ARR	C	2	0	Lightening Arrangement at Centre
MONTH	C	2	0	Month
YEAR	N	4	0	Year
TYPE_MATER	C	2	0	Material Code
AGENCYNAME	C	20	0	Name of Supplying Agency
REQUIRED	N	3	0	Quantity Required
RECEIVED	N	3	0	Quantity Received

CODING SYSTEM

PROJ_CODE :

01 RLEP	05 UGC
02 SAEP	06 MPFL
03 VAS	07 Others
04 NYKS	

LIGHT_ARR :

EL Electrification HL Hurricane Lantern
PT Improved Patromax SP Solar Packs

TYPE_MATER :

01 Blackboard 06 Various State/District Maps
02 Education Chart 07 Teacher's Guide
03 Chalk 08 Dictioneries
04 Dusters 09 Encyclopaedias
05 Text Books 10 Others

MONTH :

01 January 07 July
02 February 08 August
03 March 09 September
04 April 10 October
05 May 11 November
06 June 12 December

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
AECODE	C	10	0	Adult Education Centre Code
DEPT_NAME	C	20	0	Donor's Name
DEPT_ADDRE	C	20	0	Donor Address
P_CODE	C	2	0	Participation Code
C_CODE	C	2	0	Contribution Code
VALUE	N	7	2	Value (In Rs.)

CODING SYSTEM

P_CODE :

01 Assistance in Training
02 Starting of Adult Education Programme
03 Providing Awareness to Learner
04 Assistance in Preparation of Material
05 Any Other

C_CODE :

01 Cash 02 Kind 03 Others

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
CODE	C	2	0	Project Code
ACADYEAR	C	5	0	Academic Year
M_CODE	C	2	0	Media Code
I_CODE	C	2	0	Item Code
DURATION	N	3	0	Duration of Use
ADEQUATE	C	2	0	Material Adequate? (Yes/No)
PROBLEMS	C	20	0	Problems if Any

CODING SYSTEM CODE :

01 RLEP	05 UGC
02 SAEP	06 MPFL
03 VAS	07 Others
04 NYKS	

M_CODE :

01 Printed Media
02 Electronic Media
03 Traditional Media

I_CODE :

01 Posters	07 TV
02 Charts	08 Video
03 Flash_Cards	09 Slides
04 Teachers Guide	10 Documentary Films
05 Film Strips	11 Others
06 Radio	

ADEQUATE :

01 Yes
02 No

**DATABASE FILE
NAME
DESCRIPTION**

FIELD	TYPE	LEN	DEC	FULL DESCRIPTION
DISCODE	C	13	0	Location Code
PROJOCODE	C	2	0	Project Office Code
ACADYEAR	C	5	0	Academic Year
EMPCAT	C	2	0	Staff Category
MALE_EMPL	N	6	0	Number of Male Employees
FEMALE_EMP	N	6	0	Number of Female Employees
TRAIN_MALE	N	6	0	Number of Trained Male
TRAIN_FEMA	N	6	0	Number of Trained Female
VACPMALE	N	4	0	Vacant Position (Males)
VACPFE	N	4	0	Vacant Position (Females)

CODING SYSTEM PROJOCODE :

01 RLEP	05 UGC
02 SAEP	06 MPFL
03 VAS	07 Others
04 NYKS	

EMPCAT :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

NON FORMAL EDUCATION

**DATABASE FILE
NAME
DESCRIPTION**

FIELD	TYPE	LEN	DEC	FULL DESCRIPTION
DISCODE	C	13	0	Location Code
NFECENCOD	C	10	0	Non Formal Education Centre Code
PROJCODE	C	10	0	Project Office Code
INSTRNAME	C	20	0	Instructor Name
AGENCY	C	2	0	Agency
STARTDATE	D	8	0	Starting Date
NFETYPE	C	2	0	Type Of Centre
LEVEL	C	2	0	Level
LOCATION	C	2	0	Location Of Centre

CODING SYSTEM

AGENCY :

- 01 Government Agency
- 02 Voluntary Agency

NFETYPE :

- 01 Girls Only
- 02 Coeducation

LEVEL :

- 01 Primary
- 02 Upper Primary

LOCATION :

- 01 Panchayat Ghar
- 02 Instructor's Residence
- 03 Religious Place
- 04 School
- 05 Other

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
NFECENCOD	C	10	0	Non Formal Education Centre Code
EQPCOD	C	2	0	Equipment Code
EQREQD	N	3	0	Equipment Required
EQRECD	N	3	0	Equipment Received
EQDATEOFRE	D	8	0	Date of Receipt

CODING SYSTEM

EQIPCODE :

- 01 Blackboard
- 02 Lantern/Petromax
- 03 Teachers Guides
- 04 Charts
- 05 Pencil
- 06 Note Books
- 07 Slates
- 08 Text Books
- 09 Work Books
- 10 Documentary Films

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
NFECENCOD	C	10	0	Non Formal Education Centre Code
PROJCODE	C	10	0	Project Code
LERNNAME	C	20	0	Learner's Name
LERNSEX	C	2	0	Sex
LERNFNAMER	C	20	0	Father/Guardian Name
FATHOCCU	C	2	0	Father's Occupation
LERNADD	C	22	0	Address
LERNCAT	C	2	0	Category
LERNDOB	D	8	0	Date of Birth
ATFSC	C	2	0	Attended Formal School?
LERNDOJ	D	8	0	Date of Joining
JOINLEVEL	C	2	0	Joining Level
LERNDOJ	D	8	0	Date of Completion
LELEVEL	C	2	0	Completion Level

CODING SYSTEM

SEX :

01 Male
02 Female

ATFSC :

Y Yes
N No

FATHOCCU :

01 Agriculturist
02 Artisan
03 Wage Earner
04 Unemployed
05 Others

LERNCAT :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

JOINLEVEL / LELEVEL :

L1 Class 2
L2 Class 3
L3 Class 5
L4 Class 8

**DATABASE FILE
NAME
DESCRIPTION**

Field .	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
NFECENCOD	C	10	0	Non Formal Education Centre Code
INSTRNAME	C	20	0	Instructor's Name
INSTRCAT	C	2	0	Category
INSTSEX	C	2	0	Sex
INSTDOB	D	8	0	Date of Birth
INSTQUALI	C	2	0	Qualification
INSTRMOCCU	C	2	0	Main Occupation
INSTDOJ	D	8	0	Date of Joining
INSTDOL	D	8	0	Date of Leaving
INITTRG	C	2	0	Attended Initial Training?

CODING SYSTEM

INSTRCAT :

SC Scheduled Caste
ST Scheduled Tribe
OT Others

INSTSEX :

01 Male
02 Female

INSTQUALI :

01 Below 8th
02 Below 10th
03 10th Pass
04 12th or Intermediate
05 Graduate Pass
06 TTI Certificate Pass
07 B.Ed.
08 Post Graduate

INSTRMOCCU :

01 Agriculturist
02 Artisan

INITTRG :

03 Wage Earner
04 Unemployed
Y Yes
N No

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
NFECENCOD	C	10	0	Non Formal Education Centre Code
SUPVRNAME	C	20	0	Supervisor's Name
SUPVRCAT	C	2	0	Category
SUPVSEX	C	2	0	Sex
SUPVDOB	D	8	0	Date of Birth
SUPVQUALI	C	2	0	Qualification
SUPVRMOCCU	C	2	0	Main Occupation
SUPVDOJ	D	8	0	Date of Joining
SUPVDOL	D	8	0	Date of Leaving
SUPVTRG	C	2	0	Attended Initial Training
NOCENSUP	N	2	0	Number of Centres Supervised

CODING SYSTEM

SUPVRCAT :

SUPVSEX :

SC Scheduled Caste
 ST Scheduled Tribe
 03 Others

01 Male
 02 Female

SUPVQUALI :

01 Below 8th
 02 Below 10th
 03 10th Pass
 04 12th or Intermediate

05 Graduate Pass
 06 TTI Certificate Pass
 07 B.Ed.
 08 Post Graduate

SUPVRMOCCU :

01 Agriculturist
 02 Artisan

03 Wage Earner
 04 Unemployed

SUPVTRG :

Y Yes
 N No

**DATABASE FILE
 NAME
 DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
INSTRNAME	C	20	0	Instructor Name
YEAR	N	4	0	Year
SALMONTH	C	2	0	Month
AMOUNT	N	7	2	Amount (In Rs.)
DATEREC	D	8	0	Date of Receipt

CODING SYSTEM

SALMONTH :

01 January
 02 February
 03 March
 04 April
 05 May
 06 June

07 July
 08 August
 09 September
 10 October
 11 November
 12 December

**DATABASE FILE
NAME
DESCRIPTION**

Field	Type	Len	Dec	Full Description
DISCODE	C	13	0	Location Code
POCODE	C	10	0	Project Office Code
ACAADYEAR	C	5	0	Academic Year
PORNAME	C	20	0	Project Officer name
PODOS	D	8	0	Date of Starting
NOPCOED	N	3	0	Number of Sanctioned Primary Coeducation Centre
NOPGIRLS	N	3	0	Number of Sanctioned Primary Girls Centre
NOUPRIM	N	3	0	Number of Sanctioned Upper Primary Centre

INPUT FORMS

In order to make the job of data collection very easy, the input forms are designed based on the databases in DISNIC - EDUCATION. These input sheets help data entry operation to be faster. DISNIC - EDUCATION provides following input forms and their contents :

1. PE (1) Primary School General Information
2. PE (2) Primary School General facility Information
3. PE (3) Primary School Games and Play Material Information
4. PE (4) Primary School Library Facility Information
5. PE (5) Primary School Maintenance Information
6. PE (6) Primary School Students Information
7. PE (7) Age Wise Enrollment/Retention Information
8. PE (8) Primary School Teachers General Information
9. PE (9) Primary School Teachers Profile
10. PE (10) Primary School Teachers Information (Subject wise)

11. SE (1) School General Information
12. SE (2) School General Facility Information
13. SE (3) School Sports Information
14. SE (4) School Library Facility Information
15. SE (5) School Scholarship Information
16. SE (6) Centrally Sponsored Schemes Information
17. SE (7) School Income Information
18. SE (8) School Expenditure Information
19. SE (9) Examination Result Information
20. SE (10) School Maintenance Information
21. SE (11) School Students Information
22. SE (12) Age Wise Enrollment/Retention Information
23. SE (13) Teachers General Information
24. SE (14) School Teachers Profile
25. SE (15) School Teachers Information (Qualification wise)
26. SE (16) School Teachers Information (Subject wise)
27. SE (17) Vocational School Strength Details (Course wise)
28. SE (18) Vocational School Instructors Details
29. SE (19) Vocational School Expenditure Details
30. SE (20) Vocational School Results Information
31. SE (21) Vocational School Equipment Details

- 32. CE (1) College General Information
- 33. CE (2) College Scholarship Information
- 34. CE (3) College Sports Information
- 35. CE (4) College Library Information
- 36. CE (5) College Source of Income
- 37. CE (6) College Expenditure Details
- 38. CE (7) College Education Examination Results
- 39. CE (8) College Maintenance Information
- 40. CE (9) College Wise Enrollment Information
- 41. CE (10) College Education Enrollment Information (Subject wise)
- 42. CE (11) College Teachers Information

- 43. TE (1) Technical Institute General Information
- 44. TE (2) Technical Institute General Facility Information
- 45. TE (3) Technical Institute Sports Information
- 46. TE (4) Technical Institute Library Information
- 47. TE (5) Technical Institute Scholarship Information
- 48. TE (6) Technical Institute Source of Income Information
- 49. TE (7) Technical Institute Expenditure Details
- 50. TE (8) Laboratories / Workshop Information
- 51. TE (9) Sponsored / Consultancy Projects Information
- 52. TE (10) Department Library Information
- 53. TE (11) Personnel Profile of Academic Staff
- 54. TE (12) Personnel Academic Programme Information
- 55. TE (13) Technical Institute Enrollment Information
- 56. TE (14) Technical Institute Teachers Information
- 57. TE (15) Technical Institute Examination Results

- 58. ME (1) Medical College General Information
- 59. ME (2) Medical College General Facility Information
- 60. ME (3) Medical College Facilities Information (Department wise)
- 61. ME (4) Medical College Scholarship Information
- 62. ME (5) Medical College Sports Information

- 63. ME (6) Medical College Infrastructural Facility Information
- 64. ME (7) Medical College Enrollment Information
- 65. ME (8) Medical College Teachers Information
- 66. ME (9) Medical College Source of Income
- 67. ME (10) Medical College Expenditure Details
- 68. ME (11) Medical College Examination Information

- 69. AE (1) Adult Education Centre Details
- 70. AE (2) Adult Education Centre Material Details
- 71. AE (3) Community Contribution Details
- 72. AE (4) Adult Education Centre Media Details
- 73. AE (5) Project Office Staff Details

- 74. NFE (1) Non formal Education Centres Details
- 75. NFE (2) Equipment and Learning Material Details
- 76. NFE (3) Non Formal Education Centre Learner's Details
- 77. NFE (4) Non Formal Education Centre Instructor's Details
- 78. NFE (5) Non Formal Education Centre Supervisor's Details
- 79. NFE (6) Non Formal Education Centre Instructor's Salary Details
- 80. NFE (7) Non Formal Education Project Office Details

INPUT FORMS FOR PRIMARY SCHOOL

PRIMARY SCHOOL GENERAL INFORMATION

PRIMARY EDUCATION -PE(1)

State

District

Block

Tehsil/Taluk

Place

School Code

School Name

Stage of School

Nursery / Primary

School Type

Boys Only / Girls Only / Co-education

School Medium

Single Medium / Multi-Medium

School Address

Starting From Class

To Class

Management Body

School Category

Academic Year

Year of Establishment

Coding System

Management Body :

CG Central Government

PU Private Unaided

SG State Government

LB Local Body

PA Private Aided

School Category:

01 Normal School

05 School for Blinds

02 School for Handicapped

06 School for Deaf/Dumb

03 Reformatory School

07 School for Mentally Retarded

04 School for Oriental Studies

PRIMARY SCHOOL GENERAL FACILITY INFORMATION

PRIMARY EDUCATION -PE(2) 1 of 3

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

School Building Type

Area of School Building

Sq. Metres

No. of Class Rooms

No. of Black Boards

No. of Pinup Boards

No. of Chalk Dusters

Type of Roof

Type of Water Facility

Latrine Facility for Boys Available? Yes/No

Latrine Facility for Girls Available? Yes/No

Mid Day Meal Available ? Yes/No

Number Benefited

Free Uniforms Available? Yes/No

Number Benefited

Free Text Books Available? Yes/No

Number Benefited

PRIMARY SCHOOL GENERAL FACILITY INFORMATION

PRIMARY EDUCATION -PE(2)/2 of 3

Yearly Medical Facility Available ?	Yes/No
Number Benefited	
Vaccination Facility Available?	Yes/No
Attendance Scholarship Facility ?	Available / Not Available
Number Benefited	
Syllabus for Teachers Available ?	Available / Not Available
Text Books for Teachers Available ?	Available / Not Available
Teachers Guide Available ?	Available / Not Available
Geographic Map Available ?	Available / Not Available
No. of Maps	
Plastic Globe Available ?	Available / Not Available
No. of Globes	
Educational Charts Available ?	Available / Not Available
No. of Charts	
Science Kit Available ?	Available / Not Available
No. of Science Kits	
First Aid Box Available ?	Available / Not Available
Hostel Facility	Available / Not Available
Hostel Type	
Total Inmates	
Staff Quarter Facility?	Available / Not Available
Quarter Type	Residential Type / Boarding Type
Number Benefited	
Musical Instruments Available ?	Available / Not Available

PRIMARY SCHOOL GENERAL FACILITY INFORMATION

PRIMARY EDUCATION -PE(2) 3 of 3

Coding System

School Building Type :

01	Pucca Building	04	Thatched Huts
02	Partly Pucca Building	05	Tents
03	Kuchha Building	06	Open Space

Type of Roof:

01	Concrete
02	Tiled
03	Thatched

Type of Water Facility :

P	Pipe
W	Well
N	None

Hostel Type :

B	Boys Only
G	Girls Only
CO	Common Facility

PRIMARY SCHOOL GAMES AND PLAY MATERIAL INFORMATION*PRIMARY EDUCATION -PE(3)*

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

Play Ground Available?

Yes/No

School Play Ground Location

Within Premises /Outside Premises

School Play Ground Condition

Usable / Unusable

Area of Play Ground

Sq. Metres

Games / Play Material	Whether Available /Not Available	If Available Quantity
Wisdom Blocks		
Jigsaw Puzzle		
Skipping Rope		
Toys		
Football		
Rubber Balls		
Air Pump		
Ring		
Swing Rope with Tyre		

PRIMARY SCHOOL LIBRARY FACILITY INFORMATION

PRIMARY EDUCATION - PE(4)

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

No. of Children's Books

No. of Magazines

No. of Journals

No. of News Papers

No. of Dictionaries

No. of Encyclopedias

Subjects	No. of Text Books	No. of Reference Books
English		
Hindi		
Mathematics		
Science		
Social Sciences		
Regional Languages		

PRIMARY SCHOOL MAINTENANCE INFORMATION

PRIMARY EDUCATION -PE(5) 1 of 2

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

School Building Status

School Building Type

Name of Construction Work

Scheme Name

Area of Land Available

Sq. Metres

Area of Construction Proposed

Sq. Metres

Cost of Land Aquisition Rs.

Cost for Work (Approximate) Rs.

Amount of Actual Expenditure Rs.

Amount Needed for Completion Rs.

Date of Start of Work

Scheduled Date of Completion

Date of Completion

PRIMARY SCHOOL MAINTENANCE INFORMATION

PRIMARY EDUCATION -PE(5) 2 of 2

Coding System

Building Status :

- 01 Having Building Which Requires Reconstruction
- 02 School Having Lands But No Building
- 03 School Requiring Additional Accomadation
- 04 School Having Niether Land Nor Building
- 05 Building Required Other Than School Building
- 06 School Requiring Construction of Staff Quarters

Building Type :

- | | | | |
|----|-----------------------|----|---------------|
| 01 | Pucca Building | 04 | Thatched Huts |
| 02 | Partly Pucca Building | 05 | Tents |
| 03 | Kuchha Building | 06 | Open Space |

Scheme Name :

- | | | | |
|----|------|----|-------------|
| 01 | IRDP | 03 | RLEGP |
| 02 | NREP | 04 | Own Efforts |

PRIMARY SCHOOL STUDENTS INFORMATION

PRIMARY EDUCATION - PE(6)

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

Class	Scheduled Caste		Scheduled Tribe		Others	
	Boys	Girls	Boys	Girls	Boys	Girls
Ist						
2nd						
3rd						
4th						
5th						

AGEWISE ENROLLMENT/ RETENTION INFORMATION

PRIMARY EDUCATION -PE(7)

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

Class

Age Group

No. of Boys (from Previous Class)

No. of Girls (from Previous Class)

New Enrollments (Boys)

New Enrollments (Girls)

Number of Dropouts (Boys)

Number of Dropouts (Girls)

Coding System

Class :

Age Group

01 Class 1st
02 Class 2nd
03 Class 3rd
04 Class 4th
05 Class 5th

01 4 to below 6 years
02 6 to below 11 years
03 11 to below 14 years

PRIMARY SCHOOL TEACHERS GENERAL INFORMATION

PRIMARY EDUCATION -PE(8)

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

Number of Teachers

- a) In Beginning
- b) Retired
- c) Resigned
- d) Terminated
- e) Transferred
- g) Died
- h) New Appointments

PRIMARY SCHOOL TEACHERS PROFILE

PRIMARY EDUCATION -PE(9)

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

Teachers Name

Age Years

Sex Male / Female

Qualification

Whether Trained? Yes/No

Length of Service Months

Attended Inservice Training? Yes/No

Location of Residential Place Within Premises / Outside Premises

Distance of School from Residence Kms

Length of Posting at Place of Work Months

Coding System

Qualification :

01	Intermediate	04	Post Graduate
02	Graduate	05	M.Ed.
03	B.Ed.		

**PRIMARY SCHOOL TEACHERS INFORMATION
(SUBJECT WISE)**

PRIMARY EDUCATION -PE(10)

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

Grade of Staff

Regular / Special / Protected / Temporary

Subjects	Scheduled Caste		Scheduled Tribe		Others	
	Male	Female	Male	Female	Male	Female
English						
Hindi						
Mathematics						
Science						
Social Sciences						
Regional Languages						
Others						

INPUT FORMS FOR SCHOOL EDUCATION

SCHOOL GENERAL INFORMATION

SCHOOL EDUCATION --SE(1) 1 of 2

State

District

Block

Tehsil/Taluk

Place

School Code

School Name

Stage of School

School Type Boys Only / Girls Only / Co-education

School Medium Single Medium / Multi Medium

School Address

Starting From Class

To Class

Management Body

School Category

Year of Establishment

Board Name

SCHOOL GENERAL INFORMATION

SCHOOL EDUCATION --SE(1) 2 of 2

Coding System

Stage of School :

M Middle School
H High School

S Secondary School
HS Higher Secondary School

Management Type :

CG Central Government
SG State Government
PA Private Aided

PU Private Unaided
LB Local Body

School Category :

01 Normal School
02 School for Oriental Studies
03 School for Visually Impaired
04 School for Hearing Impaired

05 School for Handicapped
06 Reformatory/Certified Schools
07 School for Mentally Retarded
08 Navodaya Vidyalayas

SCHOOL GENERAL FACILITY INFORMATION

SCHOOL EDUCATION -SE(2) 1 of 2

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

School Building Type

Area of School Building

Sq. Metres

No. of Class Rooms

No. of Black Boards

Type of Roof

Type of Water Facility

School Electrified ? Yes/No

Latrine Available for Boys ? Yes/No

Latrine Available for Girls ? Yes/No

Mid Day Meal Available? Yes/No

Number Benefited

Free Uniforms Available? Yes/No

Number Benefited

Free Text Books Available? Yes/No

Number Benefited

Yearly Medical Facility Available ? Yes/No

Number Benefited

SCHOOL GENERAL FACILITY INFORMATION

SCHOOL EDUCATION -SE(2) 2 of 2

Vaccination Facility Available?	Yes/No
First Aid Box Available?	Yes/No
Hostel Facility Available ?	Available / Not Available
Hostel Type	
Total Inmates	
Staff Quarter Facility Available ?	Available / Not Available
Quarter Type	Residential Type / Boarding Type
Number Benefited	
NCC Facility Available ?	Yes/No
NSS Facility Available ?	Yes/No
Scout and Guide Facility Available ?	Yes/No

Coding System

Building Type :

01	Pucca Building	04	Thatched Huts
02	Partly Pucca Building	05	Tents
03	Kuchha Building	06	Open Space

Roof Type :

01	Concrete
02	Tiled
03	Thatched

Water Facility :

P	Pipe
W	Well
N	None

Hostel Type :

B	Boys Only
G	Girls Only
CO	Common Facility

SCHOOL SPORTS INFORMATION

SCHOOL EDUCATION -SE(3) 1 of 2

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

Area of Play Ground

Sq. Metres

Play Ground Available?

Yes/No

School Play Ground Location

Within Premises/Outside Premises

School Play Ground Condition

Usable / Unusable

Games	Whether	
	Played * (Yes/No)	Material Available * (Yes/No)
Football		
Hockey		
Cricket		
Basket Ball		
Volley Ball		
Badminton		
Shotput		
Javelin		
Hammer		
Disc Throw		
Gymnastic		

SCHOOL SPORTS INFORMATION

SCHOOL EDUCATION -SE(3) 2 of 2

Atheletics		
Archery		
Kabbadi		
Khokho		

SCHOOL LIBRARY FACILITY INFORMATION

SCHOOL EDUCATION --SE(4)

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

Subjects	No. of Text Books	No. of Reference Books
Physics		
Chemistry		
Mathematics		
Biology		
History		
Geography		
English		
Hindi		
Civics		
Sanskrit		
Crafts		
Social Sciences		
Regional Languages		
Computer Science		
Engineering Drawing		

SCHOOL SCHOLARSHIP INFORMATION

SCHOOL EDUCATION --SE(5)

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

Periodicity

Monthly / Annually

Students Category	Scholarship Name	Rate (Rs.)	No. of Boys Awarded	No. of Girls Awarded
Scheduled Caste				
Scheduled Tribe				
Others				

CENTRALLY SPONSORED SCHEMES INFORMATION

SCHOOL EDUCATION --SE(6)

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

Project Code

No. Benefited

Coding System

Project Code :

- 01 CLASS Project
- 02 Science Education
- 03 Environmental Education

SCHOOL INCOME INFORMATION

SCHOOL EDUCATION --SE(7)

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

Recurring Income :

From Central Government Rs.

From State Government Rs.

From Local Bodies Rs.

From Tution Fee Rs.

Received From Hostel Fee Rs.

Received From Other Fee Rs.

Non Recurring Income :

From Central Government Rs.

From State Government Rs.

From Local Bodies Rs.

From Other Sources Rs.

EXAMINATION RESULTS INFORMATION

SCHOOL EDUCATION --SE(9)

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

Students Category

Scheduled Caste / Scheduled Tribe / Others

Class	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
	Appeared		First Class		Second Class		Third Class	
6th								
7th								
8th								
9th								
10th								
11th								
12th								

SCHOOL MAINTENANCE INFORMATION

SCHOOL EDUCATION -SE(10) 1 of 2

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

School Building Status

School Building Type

Name of Construction Work

Scheme Code

Area of Land Available

Sq. Metres

Area of Construction Proposed

Sq. Metres

Cost of Land Aquisition Rs.

Cost for Work (Approximate) Rs.

Amount of Actual Expenditure Rs.

Amount Needed for Completion Rs.

Date of Start of Work

Scheduled Date of Completion

Date of Completion

SCHOOL MAINTENANCE INFORMATION

SCHOOL EDUCATION -SE(10) 2 of 2

Coding System

Building Status :

- 01 Having Building which Require Reconstruction
- 02 School Having Lands but No Building
- 03 School Requiring Additional Accommodation
- 04 School Having Niether Land Nor Building
- 05 Building Required Other than School Building
- 06 School Requiring Construction of Staff Quarters

Building Type :

- | | |
|--------------------------|------------------|
| 01 Pucca Building | 04 Thatched Huts |
| 02 Partly Pucca Building | 05 Tents |
| 03 Kuchha Building | 06 Open Space |

Scheme Code :

- | | |
|---------|----------------|
| 01 IRDP | 03 RLEGP |
| 02 NREP | 04 Own Efforts |

SCHOOL STUDENTS INFORMATION

SCHOOL EDUCATION --SE(11)

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

Class	Scheduled Caste		Scheduled Tribe		Others	
	Boys	Girls	Boys	Girls	Boys	Girls
6th						
7th						
8th						
9th						
10th						
11th						
12th						

AGEWISE ENROLLMENT / RETENTION INFORMATION

SCHOOL EDUCATION -SE(12)

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

Class

Age Group

Previous Strength (Boys)

Previous Strength (Girls)

New Enrollments (Boy)

New Enrollments (Girl)

Total Dropouts (Boys)

Total Dropouts (Girls)

Coding System

Class :

01	Class 6th	05	Class 10th
02	Class 7th	06	Class 11th
03	Class 8th	07	Class 12th
04	Class 9th		

Age Group :

01	11 to below 14 years	03	16 to below 18 years
04	14 to below 16 years	04	18 years and above

TEACHERS GENERAL INFORMATION

SCHOOL EDUCATION -SE(13)

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

Number of Teachers

- a) In Beginning
- b) Retired
- c) Resigned
- d) Terminated
- e) Transferred
- g) Died
- h) New Appointments

SCHOOL TEACHERS PROFILE

SCHOOL EDUCATION -SE(14)

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

Teacher Name

Age Years

Sex Male / Female

Qualification

Whether Trained ? Yes/No

Length of Service Months

Attended Inservice Training ? Yes/No

Residential Place ? Within Premises / Outside Premises

Distance of School From Residence Kms

Length of Posting at Place of Work Months

Coding System

Qualification :

01 Intermediate

02 Graduate

05 M.Ed.

03 B.Ed

04 Post Graduate

**SCHOOL TEACHERS INFORMATION
(QUALIFICATION WISE)**

SCHOOL EDUCATION -SE(15)

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

Education Stage	Upper Primary / Secondary / Higher Secondary (Old Pattern) / Intermediate						
Category		Scheduled Caste		Scheduled Tribe		Others	
Qualification		Male	Female	Male	Female	Male	Female
Below Middle Pass	T						
	UT						
Middle Pass	T						
	UT						
Matriculate	T						
	UT						
Higher Secondary/ Intermediate/Senior Secondary	T						
	UT						
Graduate	T						
	UT						
Post Graduate/Doctorate	T						
	UT						

* T = TRAINED

UT = UNTRAINED

SCHOOL TEACHERS INFORMATION (SUBJECT WISE)*SCHOOL EDUCATION -SE(16) 1 of 2*

State

District

Block

Tehsil/Taluk

Place

School Code

Academic Year

Grade of Staff

Regular / Special / Protected / Temporary

Subjects	Scheduled Caste		Scheduled Tribe		Others	
	Male	Female	Male	Female	Male	Female
Physics						
Chemistry						
Mathematics						
Biology						
History						
Geography						
English						
Hindi						
Civics						
Sanskrit						

SCHOOL TEACHERS INFORMATION (SUBJECT WISE)

SCHOOL EDUCATION -SE(16) 2 of 2

Crafts						
Social Science						
Regional Language						
Others						

**VOCATIONAL SCHOOLS STRENGTH DETAILS
(COURSE WISE)**

SCHOOL EDUCATION -SE(17)

State

District

Block

Tehsil/Taluk

Place

Name of Vocational Centre

Reference Year

Name of Vocational Course

Course Duration

Months

No. of Boys

No. of Girls

VOCATIONAL SCHOOLS INSTRUCTOR'S DETAILS

SCHOOL EDUCATION -SE(18)

State

District

Block

Tehsil/Taluk

Place

Name of Vocational Centre

Reference Year

Name of Vocational Course

Name of Instructor

Qualification

Date of Appointment

VOCATIONAL SCHOOL EXPENDITURE DETAILS

SCHOOL EDUCATION -SE(19)

State

District

Block

Tehsil/Taluk

Place

Name of Vocational Centre

Reference Year

Amount Sanctioned Rs.

Expenditure Rs.

Remarks, if Any

VOCATIONAL SCHOOL RESULTS INFORMATION

SCHOOL EDUCATION -SE(20)

State

District

Block

Tehsil/Taluk

Place

Name of Vocational Centre

Name of Vocational Course

Reference Year

Total Students

Students Appeared

Students Passed

VOCATIONAL SCHOOL EQUIPMENT DETAILS

SCHOOL EDUCATION -SE(21)

State

District

Block

Tehsil/Taluk

Place

Name of Vocational Centre

Reference Year

Name of Equipment

Number Required

Number Supplied

Cost of Equipment Rs.

INPUT FORMS FOR COLLEGE EDUCATION

COLLEGE GENERAL INFORMATION

COLLEGIATE EDUCATION -CE(1)

State

District

Block

Tehsil/Taluk

Place

College Code

College Name

Type of College

College Address

Type of Management

Commenced Academic Year

Affiliated to which University

Coding System

Type of College :

AS Arts & Science College
TC Training College
UD University Department
C Commerce College
OT Others

AC Arts & Commerce College
SC Science & Commerce College
SA Science, Arts & Commerce College
S Science College
A Arts College

Type of Management :

CG Central Government
SG State Government
PA Private Aided

UA Private Unaided
AU Autonomous

COLLEGE SCHOLARSHIP INFORMATION

COLLEGIATE EDUCATION -CE(2)

State

District

Block

Tehsil/Taluk

Place

College Code

Academic Year

Periodcity Monthly / Annually

Students Category	Scholarship Name	Rate (Rs.)	No. of Boys Awarded	No. of Girls Awarded
Scheduled Caste				
Scheduled Tribe				
Others				

COLLEGE SPORTS INFORMATION

COLLEGIATE EDUCATION -CE(3) 1 of 2

State

District

Block

Tehsil/Taluk

Place

College Code

Academic Year

Play Ground Status

Available / Not Available

Area of Play Ground

Sq. Metres

College Play Ground Location

Within Premises /Outside Premises

College Play Grond Condition

Usable / Unusable

Games	Whether Played (Yes / No)	Material Available ? (Yes / No)
Football		
Hockey		
Cricket		
Basket Ball		
Volley Ball		
Badminton		
Shotput		

COLLEGE SPORTS INFORMATION

COLLEGIATE EDUCATION -CE(3)-2 of 2

Javelin		
Hammer		
Disc Throw		
Gymnastic		
Atheletics		
Archery		
Table Tennis		
Kabbadi		
Khokho		
Lawn Tennis		

COLLEGE LIBRARY INFORMATION

COLLEGIATE EDUCATION -CE(4)

State

District

Block

Tehsil/Taluk

Place

College Code

Academic Year

No. of Books (Reference Section)

No. of Books (General Section)

No. of Journals

No. of Periodicals

No. of Research Papers

COLLEGE INCOME INFORMATION

COLLEGIATE EDUCATION-CE(5)

State

District

Block

Tehsil/Taluk

Place

College Code

Academic Year

Recurring Income :

From Central Government Rs.

From State Government Rs.

From U.G.C. Rs.

From University Rs.

From Local Bodies Rs.

From Tution Fee Rs.

Received From Hostel Fee Rs.

Received From Other Fee Rs.

Non Recurring Income :

From Central Government Rs.

From State Government Rs.

From U.G.C. Rs.

From University Rs.

From Local Bodies Rs.

From Other Sources Rs.

COLLEGE EXPENDITURE DETAILS

COLLEGIATE EDUCATION-CE(6)

State

District

Block

Tehsil/Taluk

Place

College Code

Academic Year

Recurring Expenditure :

Salary Teaching Staff	Rs.
Salary Non Teaching Staff	Rs.
Hostel Expenses	Rs.
Library Expenses	Rs.
Fee Concession	Rs.
Laboratory Material Expenses	Rs.
Others Expenses	Rs.

Non Recurring Expenditure :

Library Expenses	Rs.
Building Expenses	Rs.
Other Expenses	Rs.

COLLEGE EDUCATION EXAMINATION RESULTS

COLLEGIATE EDUCATION-CE(7)

State

District

Block

Tehsil/Taluk

Place

College Code

Academic Year

Education Stage

1. Preuniversity

2. Intermediate

3. Graduation

(Please Tick the Appropriate)

4. Post Graduation

5. Post Graduate Diploma

Course Code *

No. of Boys Appeared

No. of Girls Appeared

Total Boys Passed

Total Girls Passed

* For Course Code Please Refer to Appendix IA

COLLEGE MAINTENANCE INFORMATION

COLLEGIATE EDUCATION-CE(8) 1 of 2

State

District

Block

Tehsil/Taluk

Place

College Code

Academic Year

College Building Status

College Building Type

Name of Construction Work

Area of Land Available

Sq. Metres

Area of Construction Proposed

Sq. Metres

Cost of Land Aquisition Rs.

Cost for Work (Approximate) Rs.

Amount of Actual Expenditure Rs.

Amount Needed for Completion Rs.

Date of Start of Work

Scheduled Date of Completion

COLLEGE MAINTENANCE INFORMATION

COLLEGIATE EDUCATION-CE(8) 2 of 2

Coding System :

College Building Status :

- 01 Having building which Require Reconstruction
- 02 College Requiring Additional Accomodation
- 03 Building Required Other than College Building
- 04 College Requiring Construction of Staff Quarter

College Building Type :

- | | | | |
|----|-----------------------|----|---------------|
| 01 | Pucca Building | 04 | Thatched Huts |
| 02 | Partly Pucca Building | 05 | Tents |
| 03 | Kuchha Building | 06 | Open Space |

COLLEGE WISE ENROLLMENT INFORMATION

COLLEGIATE EDUCATION-CE(9)

State

District

Block

Tehsil/Taluk

Place

College Code

Academic Year

Students Category	Total Male	Total Female
Scheduled Caste		
Scheduled Tribe		
Others		

**COLLEGE EDUCATION SUBJECT-WISE
ENROLLMENT INFORMATION**

COLLEGIATE EDUCATION-CE(10)

State

District

Block

Tehsil/Taluk

Place

College Code*

Education Stage

1. Preuniversity
2. Intermediate
3. Graduation

4. Post Graduation
5. Post Graduate Diploma

(Please Tick the Appropriate)

Academic Year

Course Code *

Students Category	Total Male	Total Female
Scheduled Caste		
Scheduled Tribe		
Others		

* See Appendix IA for Course Code

COLLEGE TEACHERS INFORMATION

COLLEGIATE EDUCATION-CE(11)

State

District

Block

Tehsil/Taluk

Place

College Code

Academic Year

Course Code*

Teachers Category	Permanent Male	Permanent Female	Temporary Male	Temporary Female
Scheduled Caste				
Scheduled Tribe				
Others				

* For Course Code Refer Appendix - IA

INPUT FORMS FOR TECHNICAL EDUCATION

TECHNICAL INSTITUTE GENERAL INFORMATION

TECHNICAL EDUCATION - TE(1)

State

District

Block

Tehsil/Taluk

Place

Institute Name

Type of Institute

Institute Address

Type of Management

Commenced Academic Year

Name of Affiliating Body

Year of Establishment

Institute Type

Coding System

Type of Institute :

01	Post Graduate Institute	07	Women's Polytechnic
02	Post Graduate Diploma Institute	08	Advanced Technician Institute
03	Post Graduate Management Institute	09	Special Institute
04	Degree Institution	10	Community Polytechnic
05	Post Diploma Institution	11	Post Doctoral Research Institute
06	Diploma Institution	12	Doctoral Degree Institute

Management Type :

CG	Central Government	LB	Local Body	Institute Type :	
SG	State Government	AC	Autonomous Central Government Institute	B	For Boys Only
PA	Private Aided	AS	Autonomous State Government Institute	G	For Girls Only
PU	Private Unaided			CF	Common Facility

**TECHNICAL INSTITUTE GENERAL
FACILITY INFORMATION**

TECHNICAL EDUCATION - TE(2) 1 of 2

State

District

Block

Tehsil/Taluk

Place

Institute Name

Academic Year

No. of Departments

Total Campus Area Sq. Metres

Area of Institute Building Sq. Metres

No. of Class Rooms

Hostel Facility Yes / No

Total Hostel Area Sq. Metres

Gents

No. of Rooms

Total Inmates

Ladies

No. of Rooms

Total Inmates

Average Hostel Bill Per Student Rs.

**TECHNICAL INSTITUTE GENERAL
FACILITY INFORMATION**

TECHNICAL EDUCATION -TE(2) 2 of 2

Staff Quarter Facility?

Available / Not Available

Area of Staff Quarters

Sq. Metres

Quarter Type

Residential Type / Boarding Type

Number Benefited

TECHNICAL INSTITUTE SPORTS INFORMATION

TECHNICAL EDUCATION -TE(3) 1of 2

State

District

Block

Tehsil/Taluk

Place

Academic Year

Institute Name

Play Ground Available?

Yes/No

Institute Play Ground Location

Within Premises /Outside Premises

Institute Play Ground Condition

Usable / Unusable

Swimming Pool Available?

Yes/No

Play Ground Area

Sq. Metres

Games	Whether	
	Played (Yes/No)	Material Available (Yes/No)
Football		
Hockey		
Cricket		
Basket Ball		
Volley Ball		
Badminton		
Shotput		

TECHNICAL INSTITUTE SPORTS INFORMATION

TECHNICAL EDUCATION -TE(3) 2 of 2

Javelin		
Hammer		
Disc Throw		
Gymnastic		
Atheletics		
Archery		
Table Tennis		
Kabbadi		
Khokho		
Lawn Tennis		
Billiards		
Squash		

TECHNICAL INSTITUTE LIBRARY INFORMATION

TECHNICAL EDUCATION - TE(4)

State

District

Block

Tehsil/Taluk

Place

Institute Name

Academic Year

No. of Text Books

No. of Reference Books

No. of Journals (Monthly)

No. of Journals (Quarterly)

No. of Journals (Half Yearly)

No. of Journals (Yearly)

No. of Magazines

Grant for Library

Rs.

TECHNICAL INSTITUTE SCHOLARSHIP INFORMATION

TECHNICAL EDUCATION - TE (5)

State

District

Block

Tehsil/Taluk

Place

Institute Name

Academic Year

Periodicity Monthly/Annually

Students Category	Scholarship Name	Rate (Rs.)	No. of Boys Awarded	No. of Girls Awarded
Scheduled Caste				
Scheduled Tribe				
Others				

TECHNICAL INSTITUTE INCOME INFORMATION

TECHNICAL EDUCATION - TE (6) 1 of 2

State

District

Block

Tehsil/Taluk

Place

Institute Name

Academic Year

Recurring Income :

From Central Government Rs

From State Government Rs.

From U.G.C. Rs.

From University Rs.

From Local Bodies Rs.

From Tution Fee Rs.

Received From Hostel Fee Rs.

From Industry Rs.

From Consultancy Project Rs.

From Government Sponsored Project Rs.

From International Funding Rs.

TECHNICAL INSTITUTE INCOME INFORMATION

TECHNICAL EDUCATION -TE (6) 2 of 2

From Other Sources Rs.

Non Recurring Income :

From Central Government. Rs.

From State Government Rs.

From U.G.C. Rs.

From University Rs.

From Local Bodies Rs.

From Industry Rs.

From Consultancy Project Rs.

From Government Sponsored Project Rs.

From International Funding Rs.

From Other Sources Rs.

TECHNICAL INSTITUTE EXPENDITURE DETAILS

TECHNICAL EDUCATION -TE (7)

State

District

Block

Tehsil/Taluk

Place

Institute Name

Academic Year

Recurring Expenditure :

Salary Teaching Staff Rs.

Salary Non Teaching Staff Rs.

Hostel Expenses Rs.

Library Expenses Rs.

Fee Concession Rs.

Laboratory Material Expenses Rs.

Other Expenses Rs.

Non Recurring Income :

Library Expenses Rs.

Building Expenses Rs.

Other Expenses Rs.

LABORATORIES/WORKSHOP INFORMATON

TECHNICAL EDUCATION -TE (8)

State

District

Block

Tehsil/Taluk

Place

Institute Name

Department Name

Name of Laboratory

Academic Year

Annual Grant (Recurring) Rs.

Annual Grant (Non Recurring) Rs.

Total Equipments Cost For Rs.
Equipments Cost Less Than
5 Lacs

If Equipment Cost > 5 Lacs

	Name of Equipment	Year of Purchase	Condition of Equipment	Expected Life
1				
2				
3				
4				
5				

SPONSORED/CONSULTANCY PROJECTS INFORMATION

TECHNICAL EDUCATION - TE (9)

State

District

Block

Tehsil/Taluk

Place

Institute Name

Name of Sponsored Project

Sponsoring Authority

Year of Start

No. of Academic Staff Working

No. of Students Working

No. of Support Persons Working

Total Sanctioned Amount Rs.

Period of Project Months

No. of Papers / Reports Published

Coding System

Sponsoring Authority :

- 01 Industry
- 02 Government
- 03 Public Agency
- 04 International Agency

DEPARTMENT-WISE LIBRARY INFORMATION

TECHNICAL EDUCATION - TE (10)

State

District

Block

Tehsil/Taluk

Place

Institute Name

Department Name

Name of Library

Academic Year

No. of Text Books

No. of Reference Book

No. of Journals

No. of Magazines

Annual Grant for Library Rs

Any Book Loan Scheme? Yes/No

PERSONNEL PROFILE OF ACADEMIC STAFF

TECHNICAL EDUCATION -TE (11) 1 of 2

State

District

Block

Tehsil/Taluk

Place

Institute Name

Department Name

Persons Details

Name of Person

Designation

Grade of Post

Type of Post

Permanent/Temporary/Part Time

Sex

Male / Female

Category

Scheduled Caste/Scheduled Tribe/Others

Age

Years

Qualification with Subject and
Specification

Total Academic Experience

Months

Total Experience in Institute

Months

Accomodation Facility

Yes/No

Working on Sponsored Project?

Yes/No

No. of Research Papers Publishe

PERSONNEL PROFILE OF ACADEMIC STAFF

TECHNICAL EDUCATION - TE (11) 2 of 2

Coding System :

Grade

01	Vice Chancellor of University	08	Assistant Professor
02	Director of Institution	09	Lecturer
03	Principal/Head of the Institution	10	Assistant Lecturer
04	Dean or Head of Faculty	11	Tutor
05	Professor	12	Demonstrator
06	Associate Professor	13	Other Teaching Staff
07	Reader	14	Research Staff

STUDENTS ACADEMIC PROGRAMME INFORMATION

TECHNICAL EDUCATION - TE (12)

State

District

Block

Tehsil/Taluk

Place

Institute Name

Name of Academic Programme

Name of Degree/Diploma Awarded

Course Duration Months

Minimum Admission Qualification

Maximum Age Restriction

Mode of Selection

Total Seats

No. of Seats Reserved for
Scheduled Caste

No. of Seats Reserved for
Scheduled Tribe

Coding System

Mode of Selection :

- 01 Written Test & Interview
- 02 Merit Wise Selection
- 03 Direct Nomination by Management

TECHNICAL INSTITUTE ENROLLMENT INFORMATION

TECHNICAL EDUCATION -TE,(13)

State

District

Block

Tehsil/Taluk

Place

Institute Name

Education Stage

1. Post Graduate Level
2. Degree Courses

3. Post Graduate Diploma Level
4. Post Matric Diploma/Certificate
(Not leading to degree)

Academic Year

Course Code *

Scheduled Caste				
Scheduled Tribe				
Others				

*For Course Code Please Refer Appendix - IB

TECHNICAL INSTITUTE ENROLLMENT INFORMATION

TECHNICAL EDUCATION - TE (14)

State

District

Block

Tehsil/Taluk

Place

Institute Name

Academic Year

Course Code *

Grade of Staff

Regular / Special/ Protected / Temporary

Teachers Category	Permanent Male	Permanent Female	Temporary Male	Temporary Female
Scheduled Caste				
Scheduled Tribe				
Others				

*For Course Code Refer Appendix - IB

TECHNICAL INSTITUTE EXAMINATION RESULTS

TECHNICAL EDUCATION-TE (15)

State

District

Block

Tehsil/Taluk

Place

Institute Name

Education Stage

1. Post Graduate
2. Degree Courses
3. Post Graduate Diploma Level
4. Post Matric Diploma / Certificate
(not leading to degree)

Academic Year

Course Code *

Total Students Appeared

Total Students Passed

* See Appendix - IB for Course Code

INPUT FORMS FOR MEDICAL EDUCATION

MEDICAL COLLEGE GENERAL INFORMATION

MEDICAL EDUCATION-ME (1)

State

District

Block

Tehsil/Taluk

Place

College Name

College Type

College Address

Type of Management

Name of Affiliating Body

Type of Affiliation

Temporary/Provisional/Both

Year of Establishment

Commenced Academic Year

Coding System

College Type :

- 01 Medical College
- 02 Aryurvedic College
- 03 Homeopathic College
- 04 BDS College

Management Type :

- CG Central Government
- SG State Government
- PA Private Aided
- PU Private Unaided
- AU Autonomus

MEDICAL COLLEGE GENERAL FACILITIES INFORMATION

MEDICAL EDUCATION -ME (2)

State

District

Block

Tehsil/Taluk

Place

College Name

College Building Type Permanent / Temporary

Area of College Building Sq. Meters

No. of Class Rooms

College Roof Type Concrete / Tiled / Thatched

College Water Facility Pipe/Well/None

Hostel Facility Yes/No

Gents

Capacity of Hostel

Total INMATES

Ladies

Capacity of Hostel

Total Inmates

Staff Quarter Facility? Available / Not Available

Quarter Type Residential Type / Boarding Type

Number Benefited

**MEDICAL COLLEGE DEPARTMENT WISE FACILITIES
INFORMATION**

MEDICAL EDUCATION -ME (5) 1 of 2

State

District

Block

Tehsil/Taluk

Place

College Name

College Department Name

Library Facility Yes/No

No. of Books

No. of Journals

Laboratory Facility Yes/No

Grant for Laboratory Rs.

MEDICAL COLLEGE SCHOLARSHIP INFORMATION

MEDICAL EDUCATION -ME (4)

State

District

Block

Tehsil/Taluk

Place

College Name

Academic Year

Periodicity

Monthly/Annually

Students Category	Scholarship Name	Rate (Rs.)	No. of Boys Awarded	No. of Girls Awarded
Scheduled Caste				
Scheduled Tribe				
Others				

MEDICAL COLLEGESPORTS INFORMATION

MEDICAL EDUCATION -ME(5) 1 of 2

State

District

Block

Tehsil/Taluk

Place

College Name

Play Ground Available?

Yes/No

College Play Ground Location

Within Premises / Outside Premises

College Play Ground Condition

Usable / Unusable

Play Ground Area

Sq. Metres

Games	Whether	
	Played (Yes/No)	Material Available (Yes/No)
Football		
Hockey		
Cricket		
Basket Ball		
Volleyball		
Badminton		
Shotput		
Javelin		
Hammer		
Disc Throw		
Gymnastics		

MEDICAL COLLEGE SPORTS INFORMATION

MEDICAL EDUCATION-ME (5) 1 of 2

Atheletics		
Archery		
Table Tennis		
Kabbadi		
Khokho		
Lawn Tennis		

**MEDICAL COLLEGE INFRASTRUCTURAL FACILITY
INFORMATION**

MEDICAL EDUCATION-ME (6)

State

District

Block

Tehsil/Taluk

Place

College Name

No. of Beds

General Ward Available / Not Available

O.P.D. Available / Not Available

Emergency Facilities Available / Not Available

Operation Theater Facilities Available / Not Available

Special Services Available / Not Available

Operation Facility Available / Not Available

Equipments Available Available / Not Available

MEDICAL COLLEGE ENROLMENT INFORMATION

MEDICAL EDUCATION-ME (7)

State

District

Block

Tehsil/Taluk

Place

College Name

Academic Year

Education Stage

- 01 Post Matric Diploma/Certificate
 - 02 Degree Level
 - 03 Diploma/Certificate (After Degree)
- (Please Tick the Appropriate)

Course Code *

Course Duration

Months

Students Category	Total Male Admitted	Total Female Admitted
Scheduled Caste		
Scheduled Tribe		
Others		

* For Course Code See Appendix - IC

MEDICAL COLLEGE TEACHERS DETAILS

MEDICAL EDUCATION-ME (8)

State

District

Block

Tehsil/Taluk

Place

College Name

Academic Year

Course Code *

Category of Staff

Scheduled Caste / Scheduled Tribe / Others

Grade of Staff

Regular / Special / Protected / Temporary

No. of Male Teachers

No. of Female Teachers

* For Course Code See Appendix - IC

MEDICAL COLLEGE INCOME INFORMATION

MEDICAL EDUCATION-ME (9)

State

District

Block

Tehsil/Taluk

Place

College Name

Academic Year

Recurring Income :

From Central Government Rs.

From State Government Rs.

From U.G.C. Rs.

From University Rs.

From Local Bodies Rs.

From Tution Fee Rs.

From Hostel Fee Rs.

From Other Fee Rs.

Non Recurring Income :

From Central Government. Rs.

From State Government Rs.

From U.G.C. Rs.

From University Rs.

From Local Bodies Rs.

From Other Sources Rs.

MEDICAL COLLEGE EXPENDITURE DETAILS

MEICAL EDUCATION-ME (10)

State

District

Block

Tehsil/Taluk

Place

College Name

Academic Year

Recurring Expenditure :

Salary Teaching Staff Rs.

Salary Non Teaching Staff Rs.

Hostel Expenses Rs.

Library Expenses Rs.

Fee Concession Rs.

Laboratory Material Expenses Rs.

Others Expenses Rs.

Non Recurring Expenditure :

Library Expenses Rs.

Building Expenses Rs.

Other Expenses Rs.

MEDICAL COLLEGE EXAMINATION INFORMATION

MEDICAL EDUCATION-ME (11)

State

District

Block

Tehsil/Taluk

Place

College Name

Academic Year

Education Stage

- 01 Post Matric Diploma / Certificate
 - 02 Degree Level
 - 03 Diploma / Certificate (After Degree)
- (Please Tick the Appropriate)

Course Code *

Category ---->		Scheduled Caste	Scheduled Tribe	Others
Total Appeared	Male			
	Female			
Total Passed	Male			
	Female			
No. Secured Ist Class	Male			
	Female			
No. Secured IInd Class	Male			
	Female			

* For Course Code See Appendix - IC

INPUT FORMS FOR ADULT EDUCATION

ADULT EDUCATION CENTRE DETAILS

ADULT EDUCATION-AE (1)

State

District

Block

Tehsil/Taluk

Place

Adult Education Centre Code

Academic Year

Project Code

RLEP/SAEP/VAS/NYKS/UGC/MPFL/OTHERS

Category	Scheduled Caste	Scheduled Tribe	Others
Male			
Female			
Average Attendance Male			
Average Attendance Female			

Coding System

Average Attendance Male / Female :

- 01 Less Than 10%
- 02 10% to 20%
- 03 20% to 30%
- 04 More Than 30%

ADULT EDUCATION CENTRE MATERIAL DETAILS

ADULT EDUCATION-AE (2)

State

District

Block

Tehsil/Taluk

Place

Project Code

RLEP/SAEP/VAS/NYKS/UGC/MPFL/OTHERS

Lightening Arrangement Centre

Electrification/Improved Petromax/Hurricane Lantern/Solar Packs

Month

Year

Material Name	Quantity Required	Quantity Received	Name of Supplying Agency
Black Board			
Educational Chart			
Chalks			
Dusters			
Text Books			
Various State/ District Maps			
Teacher's Guide			
Dictioneries			
Encylopaedias			
Others			

Coding System :

Month :

01 January
02 February
03 March
04 April
05 May
06 June

07 July
08 August
09 September
10 October
11 November
12 December

COMMUNITY CENTRE DETAILS

ADULT EDUCATION-AE (3)

State

District

Block

Tehsil/Taluk

Place

Adult Education Centre Code

Donor's Name

(If Donated)

Donor Address

Participation Type	Value (In Rs.)		
	Cash	Kind	Others
Assistance in Training			
Starting of Adult Education Programme			
Providing Awareness to Learner			
Assistance in Preparation of Material			
Any Other			

MEDIA DETAILS

ADULT EDUCATION-AE (4)

State

District

Block

Tehsil/Taluk

Place

Project Code

RLEP/SAEP/VAS/NYKS/UGC/MPFL/OTHERS

Academic Year

Media Code

Printed Media/Electronics Media/Traditional Media

Item Name	Duration of Use (Days)	Adequate (Yes/No)	Problem if Any
Posters			
Charts			
Flashcards			
Teachers Guide			
Film Strips			
Radio			
Television			
Video			
Slides			
Documentary Films			
Others			

PROJECT OFFICE STAFF DETAILS

ADULT EDUCATION-AE (5) 1 of 2

State

District

Block

Tehsil/Taluk

Place

Academic Year

Category ---->	Project Office Code	Scheduled Caste		Scheduled Tribe		Others	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
RLEP	Total						
	Trained						
	Vaccant Positions						
SAEP	Total						
	Trained						
	Vaccant Positions						
VAS	Total						
	Trained						
	Vaccant Positions						
NYKS	Total						
	Trained						
	Vaccant Positions						
UGC	Total						
	Trained						
	Vaccant Positions						

PROJECT OFFICE STAFF DETAILS

ADULT EDUCATION AE(5) 2 of 2

MPFL	Total		
	Trained		
	Vacant Positions		
OTHERS	Total		
	Trained		
	Vacant Positions		

INPUT FORMS FOR NON FORMAL EDUCATION

NON FORMAL EDUCATION CENTRES DETAILS

NON FORMAL EDUCATION -NFE (1)

State

District

Block

Tehsil/Taluk

Place

Non Formal Education Centre Code

Project Office Code

Instructor Name

Agency

Government Agency / Voluntary Agency

Starting Date

Type of Centre

Girls Only / Co_Education

Level

Primary / Upper Primary

Location of Centre

Coding System

Location of Centre :

- 01 Panchayat Ghar
- 02 Instructor's Residence
- 03 Religious Place
- 04 School
- 05 Others

EQUIPMENT AND LEARNING MATERIAL DETAILS

NON FORMAL EDUCATION -NFE (2)

State

District

Block

Tehsil/Taluk

Place

Non Formal Education Centre Code

Academic Year

Equipment Name	Quantity Required	Quantity Received	Date of Receipt
Black Board			
Lantern/Petromax			
Teacher Guides			
Charts			
Pencils			
Note Books			
Slates			
Text Book			
Work Books			
Documentary Films			

NON FORMAL EDUCATION CENTRE LEARNER'S DETAILS

NON FORMAL EDUCATION -NFE (3) 1 of 2

State

District

Block

Tehsil/Taluk

Place

Non Formal Education Centre Code

Project Code

Learner's Name

Sex Male/Female

Father/Guardian Name

Fathers Occupation

Address

Category Scheduled Caste/Scheduled Tribe/Others

Date of Birth

Attended Formal School Yes/No

Date of Joining

Joining Level

Date of Completion

Completion Level

NON FORMAL EDUCATION CENTRE LEARNER'S DETAILS

NON FORMAL EDUCATION -NFE(3) 2 of 2

Coding System

Father's Occupation :

- 01 Agriculturist
- 02 Artisan
- 03 Wage Earner
- 04 Unemployed
- 05 Others

Joining / Completion Level :

- L1 Class 2
- L2 Class 3
- L3 Class 5
- L4 Class 8

NON FORMAL EDUCATION CENTRE INSTRUCTOR'S DETAILS

NON FORMAL EDUCATION -NFE((4))

State

District

Block

Tehsil/Taluk

Place

Instructor Name

Category

Scheduled Caste/Scheduled Tribe/Others

Sex

Male/Female

Date of Birth

Qualification

Main Occupation

Date of Joining

Date of Leaving

Attended Initial Training

Yes/No

Coding System

Qualification :

01 Below 8th

02 Below 10th

03 10th Pass

04 12th or Intermediate

05 Graduate Pass

06 TTI Certificate Pass

07 B.Ed.

08 Above Graduates

Main Occupation :

01 Agriculturist

02 Artican

03 Wage Earner

04 Unemployed

NON FORMAL EDUCATION CENTRE SUPERVISOR'S DETAILS

NON FORMAL EDUCATION -NFE (5)

State

District

Block

Tehsil/Taluk

Place

Supervisor's Name

Category

Scheduled Caste/Scheduled Tribe/Others

Sex

Male/Female

Date of Birth

Qualification

Main Occupation

Date of Joining

Date of Leaving

Attended Initial Training

Yes/No

No. of Centre Supervised

Coding System

Qualification :

Main Occupation :

01 Below 8th
02 Below 10th
03 10th Pass
04 12th or Intermediate

05 Graduate Pass
06 TTI Certificate Pass
07 B.Ed.
08 Above Graduates

01 Agriculturist
02 Artisan
03 Wate Earner
04 Unemployed

**NON FORMAL EDUCATION CENTRE INSTRUCTERS SALARY
DETAILS**

NON FORMAL EDUCATION -NFE(6)

State

District

Block

Tehsil/Taluk

Place

Instructor Name

Year

Month

Amount

Rs.

Date of Receipt

Coding System

Month :

01 Januray
02 February
03 March
04 April
05 May
06 June

07 July
08 August
09 September
10 October
11 November
12 December

PROJECT OFFICE DETAILS

NON FORMAL EDUCATION -NFE(7)

State

District

Block

Tehsil/Taluk

Place

Project Office Code

Academic Year

Project Officer Name

Date of Starting

Number Sanctioned Primary
Co-education Centre

Number Sanctioned Primary
Girls Centre

Number Sanctioned Primary Centre

CHAPTER 7

IMPLEMENTATION AND TESTING

PROCESSING LOGIC

No system can be successfully implemented without adopting a suitable methodology for its development. The major factors which need to be considered for the development of a good system can be classified as follows :

- As this project is the first of its kind to be initiated anywhere in the world and is going to be implemented in 440 districts nationwide, the initial users of this system would require an on-line assistance in the course of using this system. This creates the need for the system to be as user friendly as possible.
- The database should be totally exhaustive and redundancy is to be avoided at any cost.
- Not all the parameters are required in all the districts. So the stress is on adjusting to the local needs. This is possible only when the system is properly divided into modules so that a change in one, doesn't affect others.
- As this project is a novel exercise in itself, a lot many critical reviews and feedbacks should be expected and the necessary changes be done.

Hence, any system, that is developed, should allow scope for further modifications.

This system has been developed, keeping in view, all the above mentioned considerations.

OPERATING DISNIC EDUCATION SOFTWARE

To login to the system, it is required that the user has an account in the system. The system displays the following login prompt:

```
Xenix386!Login:User ID
```

At this prompt, the user must enter his/her User ID. After entering the User ID, the system will prompt for a User password.

Password:

Successful login attempt will take the user into his/her HOME DIRECTORY.

RUNNING THE SOFTWARE PACKAGE

DISNIC software can be divided into two types of software.

The first provides access to information at the macro-level; the second at the micro level. The latter provides detailed information access to the individual sectors.

DISNIC-EDUCATION is outstanding with its interactive, user-friendly, menu-driven screens. In order that the users may best understand how to use this software, the steps involved in entering, modifying and browsing information in the various subsectors of the **DISNIC-EDUCATION**, will be illustrated, screen by screen.

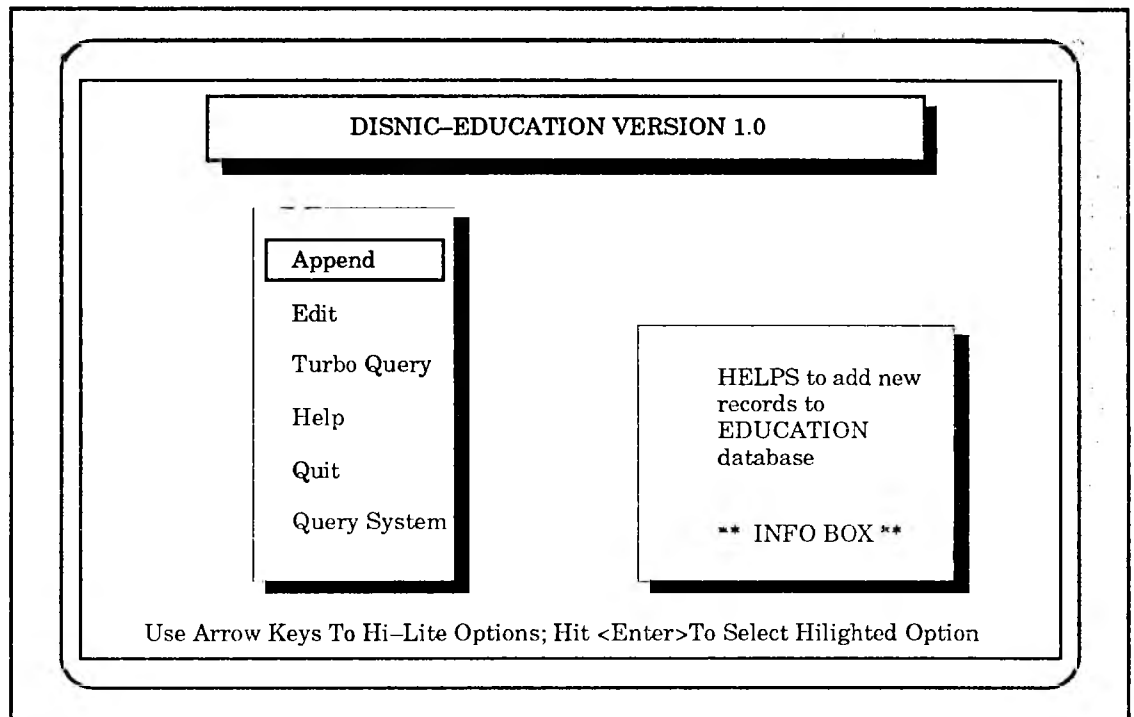


Figure 7.1 :- Education Entry Menu

Once XENIX and FoxBASE+ are installed, the following command will run DISNIC-EDUCATION software :

```
$ foxplus education
```

Hierarchical Structure of DISNIC-EDUCATION software:

The user specifies interactively through a friendly, menu-driven system, the area he/she wishes to access in the Education Information System.

After giving the command, the main menu is displayed on the screen as in Figure 7.1.

It is required that the user first select the mode of operation, listed in the Table 7.1 below, before proceeding further. As the cursor moves through the various options, an Information Box on the lower right hand corner explains the various functions of the options.

OPTION	Option explanation:
APPEND	Data entry
EDIT	Data modification
(TURBO QUERY)	Generating reports
QUIT	Exiting the system
HELP	On-line help
QUERY SYSTEM	On-line data retrieval

Table 7.1 - Explanation of options in main menu

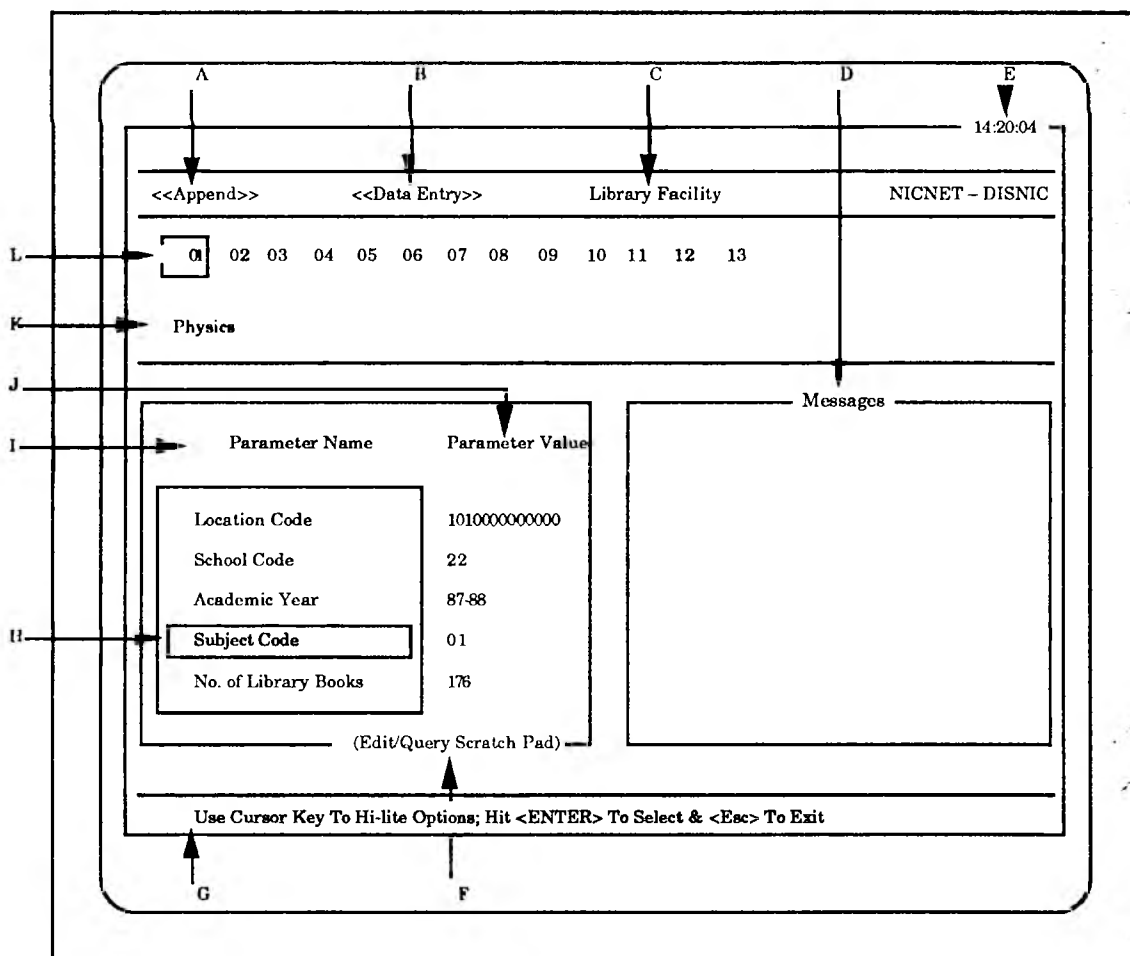


Figure 7.2 :- Display Format

To select an option, the arrow keys on the keyboard should be used to highlight the option desired. When the desired option is highlighted, the ENTER key should be pressed. After selecting the desired option, the user is required to specify the area he/she wishes to access. This specification is possible by interactively selecting through menus which will display the options for the different levels in the hierarchy.

For data entry, data modification and on-line query, a standard format is used for displaying the information

An explanation of the format given in Figure 7.2 is as follows :

- A - Mode of operation (Append/Edit/Query)
- B - Function (Data entry/ description)
- C - Currently selected area for mode of operation
- D - Messages/Instructions/Options displayed by software
- E - Current time
- F - Edit/Query scratch pad - displays the condition formed for identifying and retrieving record
- G - On-line help message to move to and select desired parameter
- H - Highlighted parameter
- I - Description of available parameters
- J - Value of parameter
- K - List of valid optional values for highlighted parameter
- L - Internal code for optional values

This mode is selected when the user wishes to enter information for the first time into the system. To enter this mode of operation, select the option entitled :

Append

in the main menu.

The screen as in Figure 7.3 will be displayed, upon selection.

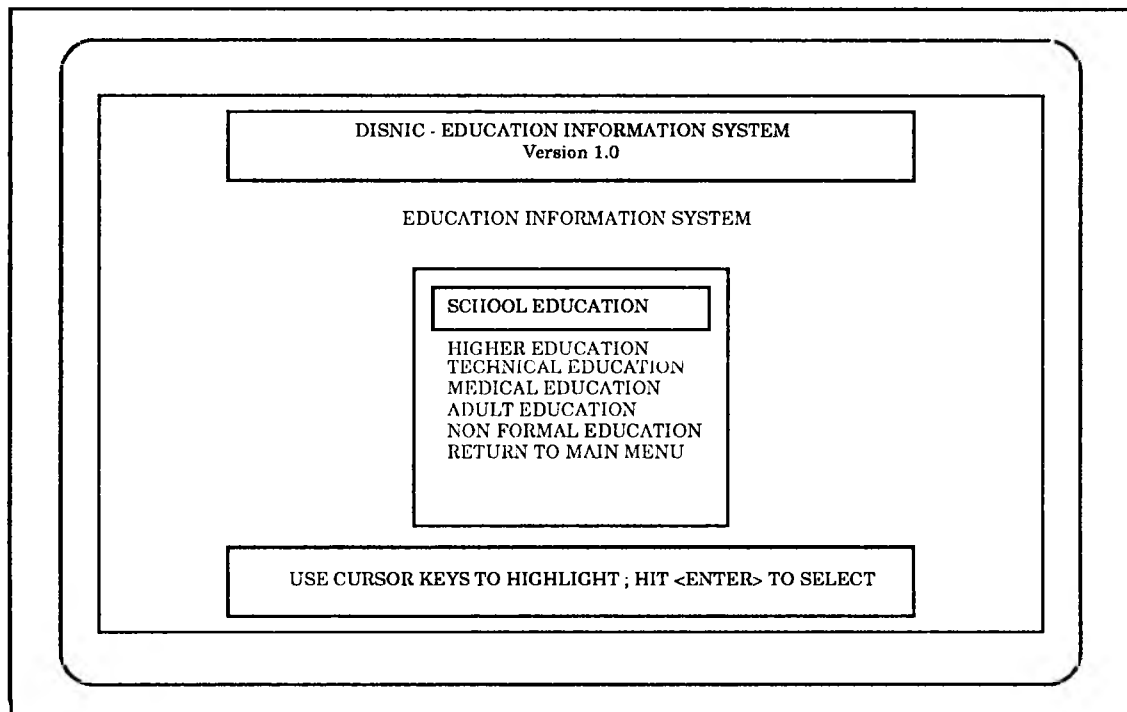


Figure 7.3 :- Education Information System Entry Menu

Suppose the first option is selected. The System will display the various DATABASE files in the School Education sector as in Figure 7.4.

For example,

Select the option:

Library Facility

Location code:

Please refer to Figure 7.5 in order to be able to more easily follow this description. To enter location code information, the parameter described as such must be selected. On the right hand side of the screen, in the 'Messages' box, will appear a list of districts. Also displayed is the State code.

The user scroll through the arrow keys until he/she reaches in district of interest. Once the user has selected the district, a message appears :

RETURN THIS CODE ? Y

On entering 'N', a list of the taluks/tehsils under that district is displayed. The user must

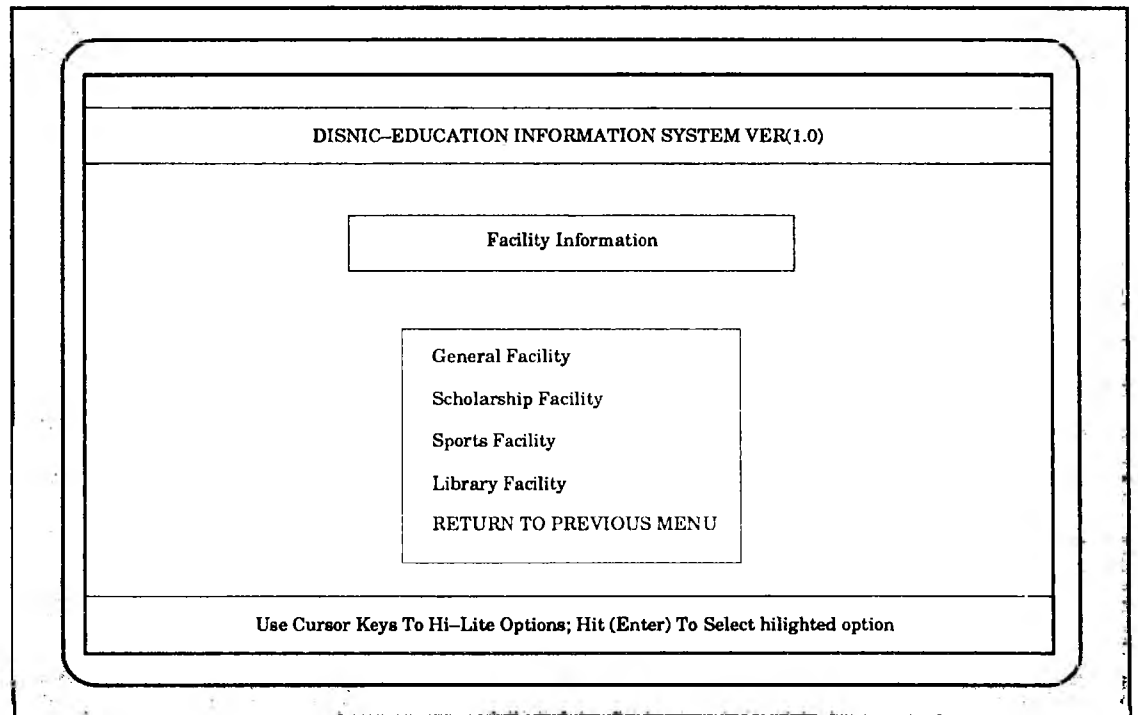


Figure:- 7.4 Facility Information Menu

now select a taluk/tehsil. In a similar manner, as that used with the districts, the user is required to inform whether he/she has selected the location he/she is interested in, or would like to proceed further down the hierarchy to see the local bodies viz. panchayats/municipalities/ corporations under the specified taluk. Using this procedure, the user can specify down to the level of village/ward, the location he/she is interested in.

If the user enters "Y" at any point in answers to the question "Return this code?", the code for that location (the code is displayed at the top of the message box) is returned as parameter value for the location code parameter.

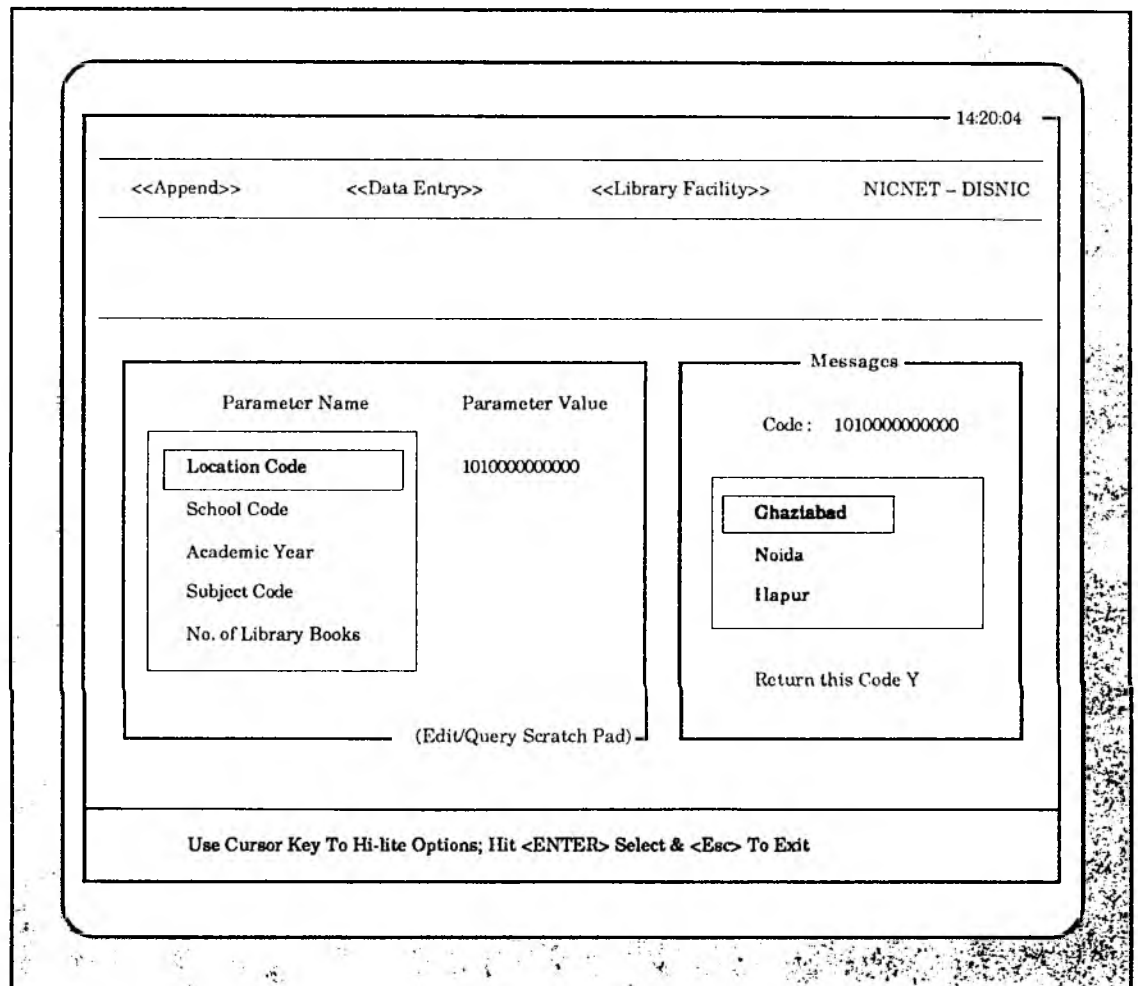


Figure 7.5:- Entering Location Code

The parameter "Subject Code" has a fixed set of optional values. On selecting the parameter, a list of these optional values with codes is displayed in the Function box (See Figure 7.6). The user can scroll through the list of options (actually, the user scrolls through codes below which is a full description of the option) to select the value.

The user can add new option values as the need arises. In order to do so, the user must move the cursor to the blank space at the end of the list of displayed option codes. On pressing the ENTER-key, the user can then type in the new option code.

On selecting the desired field, the user is prompted to enter the information in the function box at the top of the screen entitled "data entry/description". As an example, if the user selects the parameter "School Code". Displayed in the function box is :

Enter School Code : []

The user inputs the value into the area displayed next to the message. The ENTER key is pressed to inform the system that the entry has been completed.

A parameter is logical if it has a value which is either "Y"-Yes or "N"-No.

Once the data has been correctly entered into the system, the user presses the 'ESC' key to get a list of exit options.

The options are:

- Save the information and resume appending more information
- Save the information and exit to previous menu
- Abort and clear the entered information and resume appending
- Abort the entered information and exit to the previous menu
- Abort and exit to the main menu

The screenshot shows a terminal window with a title bar containing the time '14:20:04'. The main content area is divided into several sections. At the top, there are navigation options: '<<Append>>', '<<Data Entry>>', 'Library Facility', and 'NICNET -DISNIC'. Below this is a row of numbered options from 01 to 13, with '01' highlighted in a box. Underneath the options is the text 'Physics'. The main area is split into two columns. The left column is titled 'Parameter Name' and 'Parameter Value' and contains a table with the following entries: 'Location Code' (101000000000), 'School Code' (22), 'Academic Year' (87-88), 'Subject Code' (01), and 'No. of Library Books' (176). The 'Subject Code' row has a box around the value '01'. The right column is titled 'Messages' and contains an empty rectangular box. At the bottom of the terminal window, there is a footer instruction: 'Use Cursor Key To Hi-Lite Options; Hit <ENTER> To Select & <Esc> To Exit'. The text '(Edit/Query Scratch Pad)' is visible at the bottom of the parameter table.

Parameter Name	Parameter Value
Location Code	101000000000
School Code	22
Academic Year	87-88
Subject Code	01
No. of Library Books	176

Figure 7.6:- Entry from List of Fixed Set of Options

This mode is selected to modify (edit) information already entered using the "APPEND" option. To select this mode, enter

EDIT

in the main menu.

The same procedure given above for selecting menu options should be followed. At the left hand corner of the EDIT screen, the mode of operation is displayed as "EDIT".

Before a record can be edited, it is retrieved from the computer memory. In order that the system may retrieve the record, some key must be specified so that the system may identify the record. Only specific parameters may be used as keys to identify the record. The key values are entered in the same manner as for data entry. Once the keys have been specified, the ESC-key is pressed.

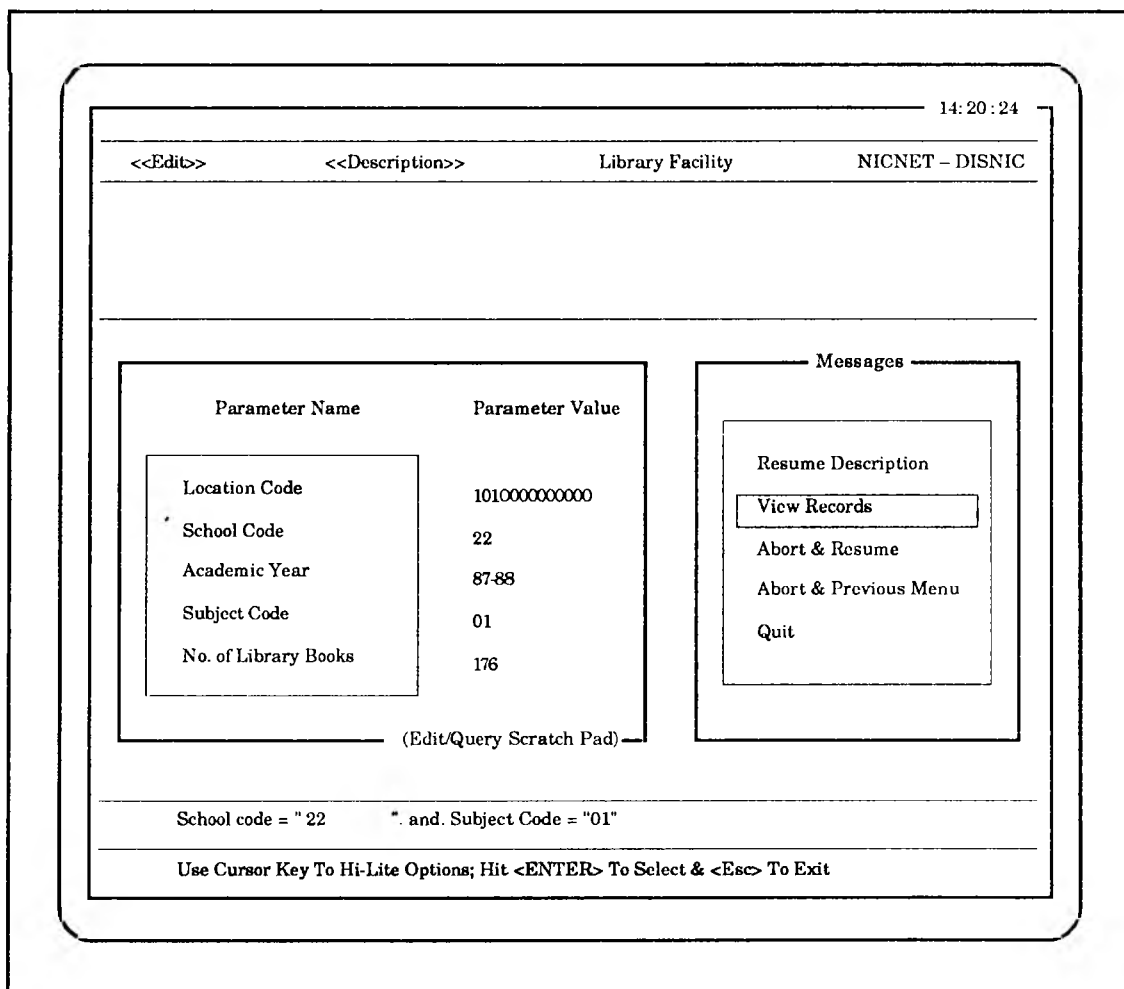


Figure 7.7:- Viewing the Records in EDIT Mode

The user has the option to either

- change or increase the keys identifying the record,
- retrieve and view the record,
- abort the operation and re-specify the keys,
- abort the operation and return to the previous menu or
- abort and return to the main menu.

If the user chooses to retrieve and view the record (the second option above), then the computer will search for the record in its memory and display it (See Figure 7.7). The user now, has the option to edit the record. Once the user is satisfied with the changes, the user will press the ESC-key again to get another list of options.

These options are :

- Saving the edited record

The options are:

- Save the edited record and resume to view more records matching the key words.
- Save the edited record and return to the previous menu (See Figure 7.8)
- Abort the changes and re-start edit
- Abort the changes and return to the previous menu
- Quit to the main menu
- Delete the record retrieved from the computer's memory

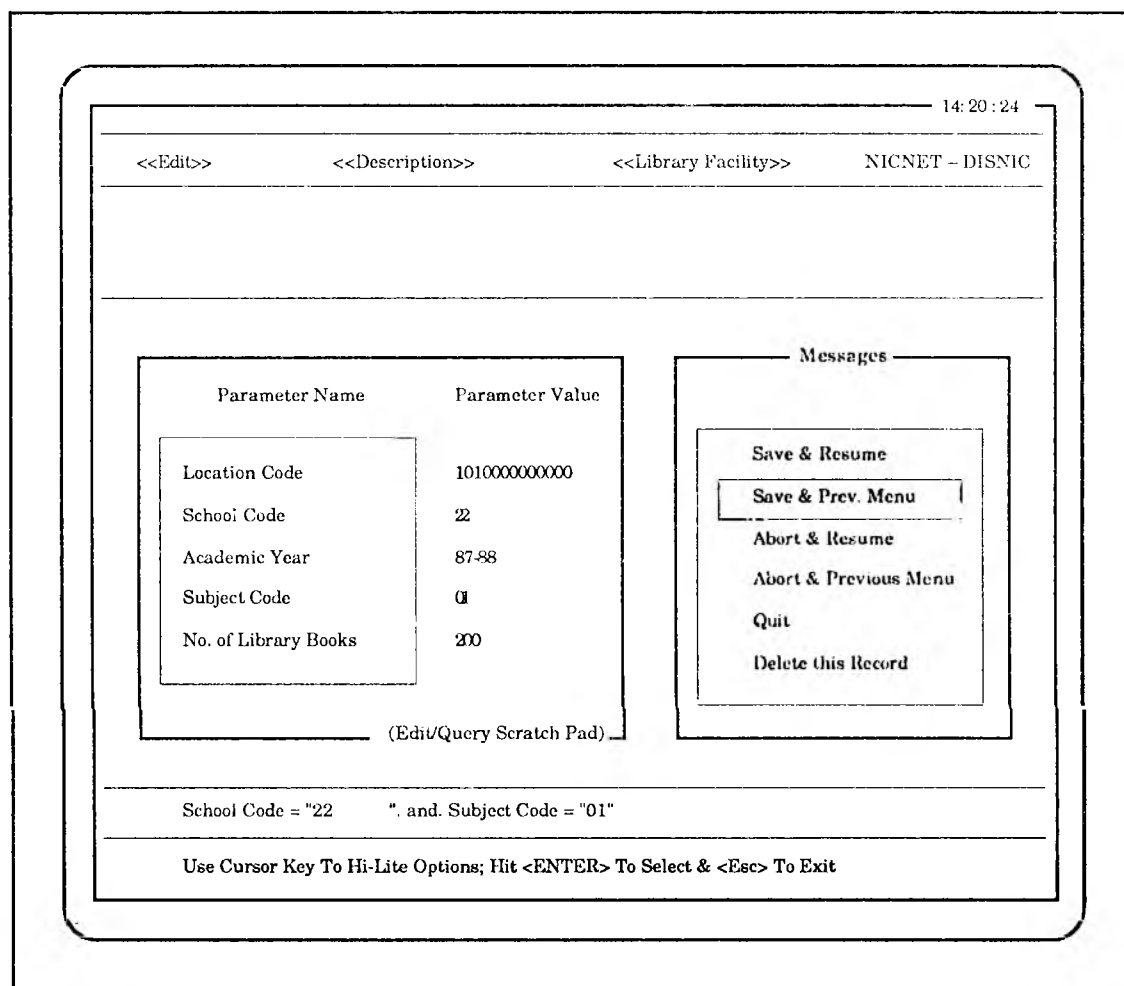


Figure 7.8:- Exit Options from EDIT Mode

This mode is selected to retrieve and browse through information entered in the system. To select this mode, enter

QUERY SYSTEM

in the main menu.

The same procedure given above for selecting menu options should be followed. At the left hand corner of the QUERY screen, the mode of operation is displayed as "QUERY".

Query allows the user to retrieve and browse through the records in the computer memory (See Figure 7.9 and 7.10). The user must specify some keys by which the system can identify the record and thus retrieve it. Unlike EDIT mode, any parameter(s) can be used to identify the record. These keys, when specified, form, what is called a conditional expression. This condition is displayed at the bottom of the screen in the Edit/Query scratch pad. This condition is formed by using relational and boolean operators.

A more thorough explanation of these operators is listed below:

Relational operators specify a relation between the parameter (operand) and some value. The operators are shown in the Messages box after the user selects a parameter in query mode and are self explanatory.

Boolean operators allow the user to more powerfully specify an expression for retrieval of the record. These operators are :

A and B : Implies both A and B must hold true

A or B : Implies if either A or B is true, the record should be retrieved

where A and B are conditions such as

- "Location code = 101000000000"
- "School Code = 22"
- "Subject Code = 01"

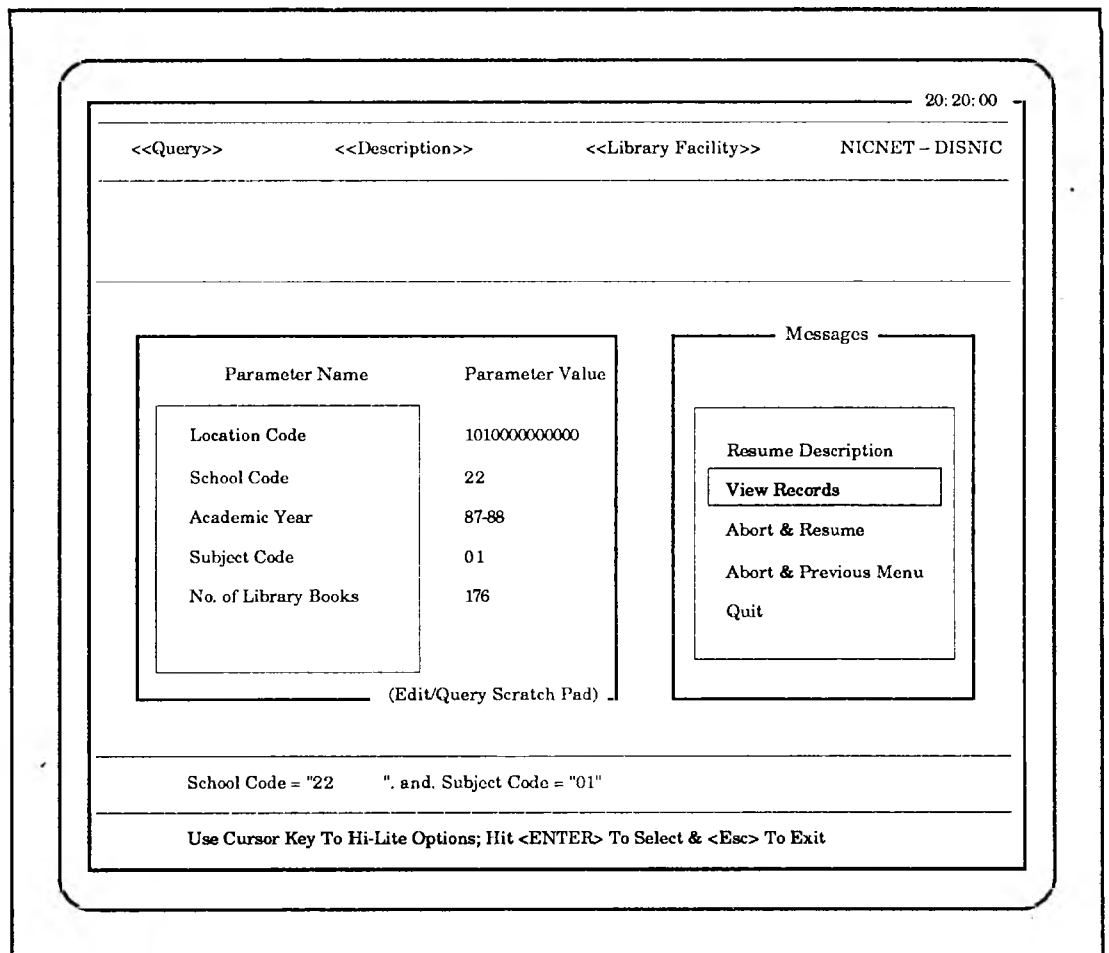


Figure 7.9 :- Retrieving and Viewing First Matching Record in QUERY Mode

Queries are necessary to allow the end-user to interact directly with the database. The Query Processing Systems(QPS) are normally terminal oriented and used in an on-line environment and ideally allow English like expressions for database access. Query Processing Systems(QPS) tend to emphasize simple operations and to avoid complex processing capabilities usually associated with host languages.

Through the ideal QPS facilities, the end-user will be able to ask questions of the data base, that may not have been anticipated by its designers. These are referred to as "ad-hoc" requests. The end-user, in this manner, can search the database in a dynamic fashion without relying on the need of specific programs being developed. This reduces time and costs to handle unanticipated requests and results in the overall usefulness of the database.

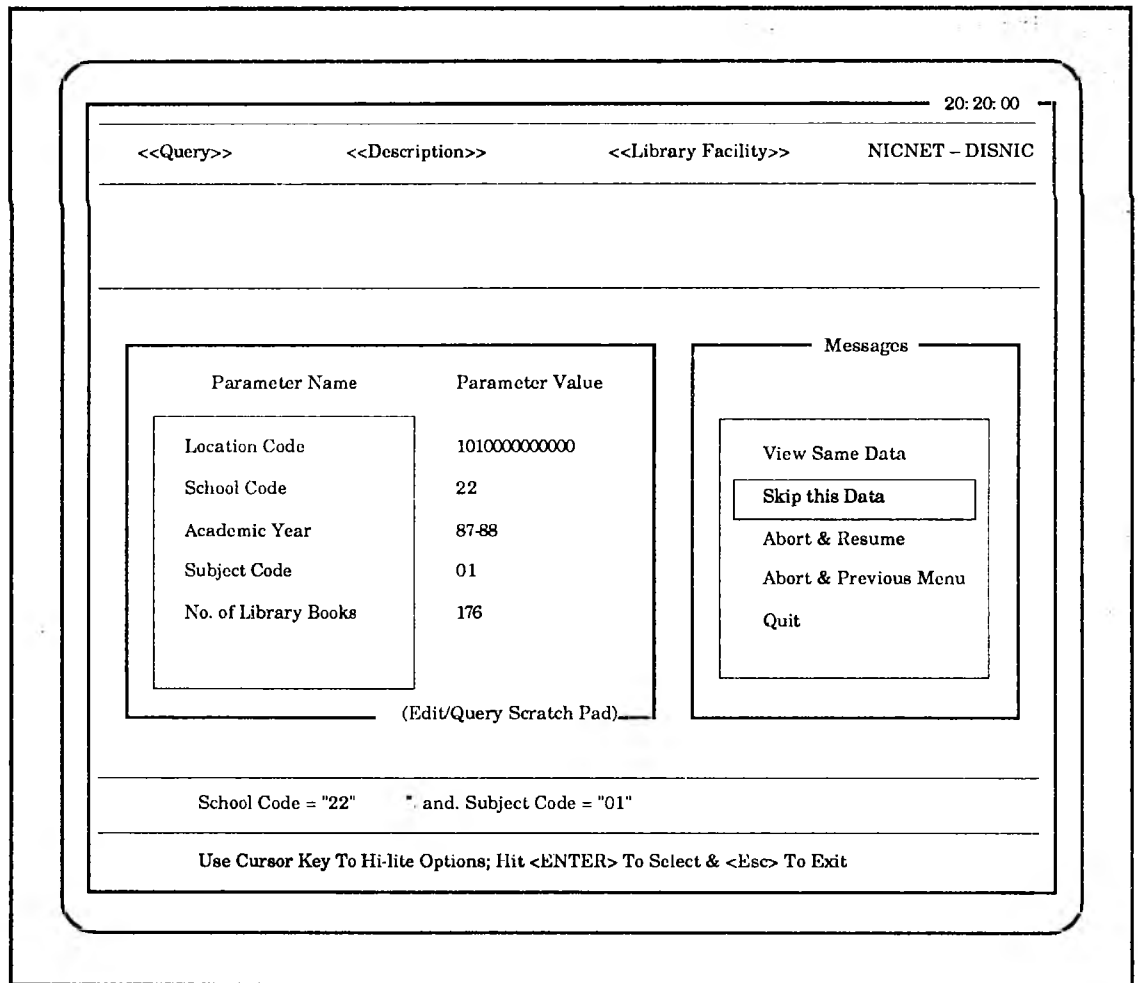


Figure 7.10:- Viewing Next Matching Record in QUERY Mode

**ELEMENTS OF
QUERY
PROCESSING
SYSTEM**

Any Query Processing System usually is based on a Host Language; normally the standard programming language of the system, and an Embedded Language which refers to a special language with instructions to access the databases and utilities that operate on them. In the AT Plus (Xenix 386) system, the Host Language is the C Language of AT&T Labs., and the Embedded Language is the SCO FoxBase+ Language. SCO Foxplus is basically modelled on the dBASE III+ package with added features. Both these languages are perfectly downward compatible.

In order to make the QPS “user-friendly”, a Query Translator is required. The execution of the Query Translator may be thought of as resulting in the selection and loading of one or more query programs written in a host and/or host and embedded language. These programs then determine the query parameters required to produce the formal references to the database through the DBMS. Whatever the language for specification of the database references, the query parameters, involving the key data fields and their relationships, must have some formal means of representation.

Query conjunctions and disjunctions are, respectively the AND, OR, and NOT logical conditions. At one end, it is possible that such conjunctions are provided for in a simple way and at the other end of the spectrum, the query translator may include the capability for specifying complex conjunctions and disjunction relationships as parameters of the query. Thus, the most effective manner to evaluate the potential effectiveness of a query language is to observe its use in a “live environment”.

If the QPS requires the end-user to possess programming ability in order to utilise its capabilities optimally, then the common user is inhibited from querying. The Translator makes the user’s responsibility more easier in framing the query by prompting with all possible options at every step.

**TURBO-QUERY:
A HIGH LEVEL
QUERY TRANS-
LATOR**

TURBO-QUERY is a high level query translator developed under FoxBase+. The need for one such translator was necessitated because of non-existence of translators for MULTIPLE DATABASE QUERIES. All the sectors have been logically divided into various subsectors and correspondingly Input screens are developed ;each with a database (sometimes more) associated with it.

Details regarding an Institute are logically divided into subsections such as General Information, Facilities Offered, Teachers Information, Students Information, Maintenance Information etc.

Problem : Information retrieval of those Institutions which have specific facilities and with specific faculty positions.

Problem Analysis : The information is contained in multiple databases and hence programs like dBASE III+ Query Translator would not satisfy the need. Information has to be retrieved from several databases depending on the condition input by the user.

Solution : TURBO-QUERY !!!

The various modules of TURBO-QUERY are the following :-

- I. **Input Window :** This acts as an interface between the Translator and the User. It displays the Query input so far and also messages for On-Line HELP to the user.
- II. **Help Module :** There exists an On-Line Help for the User to review the syntax of TURBO-QUERY commands and also provides for an On-Line menu from which he can choose a command.
- III. **Keyword Module :** This module generates a menu for the user to select a keyword according to his need. For each keyword, a corresponding need is displayed so that the user can go through all the possibilities for satisfying his need and select the keyword.

This greatly reduces the responsibility on the part of the user, for he need not remember any keywords or field_names etc.

- IV. **Processing Module :** This is the brain of TURBO- QUERY. It is a semi-complex system in itself but efficiently processes the queries and displays the results in a formatted form on the screen/printer which makes it unique.
- V. **Screen Refreshing Module :** This is a module which refreshes the screen after the help module is exit at any time during the current session.

1. The greatest flexibility is the information retrieval from multiple databases efficiently, so that the processing time is almost independent of the number of databases currently active in the Query.
2. There is no limit on the number of databases from which the data is to be accessed. This is a rare feature, as Foxplus itself places a restriction on the number of database files open at a time (10 by default). This greatly enhances its applicability to any application in which multiple database query is to be established.
3. It doesn't place a restriction on the type of fields existing in the database nor on their number. (The Date type is currently not implemented but it can be provided for with ease)

4. It allows for duplicacy of field names among several databases.
5. It supports the Codification of Data in the fields. There may be any number of Options which will be correspondingly displayed with their description whenever the field is selected for query condition. This feature makes it a real user-friendly system.
6. Memory requirements depend dynamically on the query. The more complex the query, the more memory it occupies in terms of the number of variables etc.,

Turbo Query provides for a set of five commands. They are :

1. AVERAGE
2. COUNT
3. LIST
4. PRINT
5. TOTAL

AVERAGE :

Command Syntax : AVERAGE <keywords> FOR <condition>

Explanation : This command may be used to average the fields corresponding to the keywords depending on the condition given.

COUNT :

Command Syntax : COUNT <keywords> FOR <condition>

Explanation : This command may be used to Count the number of records that match the given condition.

LIST :

Command Syntax : LIST <keywords> FOR <condition>

Explanation : This command may be used for listing fields on the screen of those records which satisfy the given condition. The Keywords may be selected from the inbuilt dictionary.

PRINT :

Command Syntax : PRINT <keywords> FOR <condition> ON <printer name>

Explanation : This command may be used for printing fields on the printer specified of those records which satisfy the given condition. The Keywords may be selected from the inbuilt dictionary.

TOTAL :

Command Syntax : TOTAL <field list> FOR <condition>

Explanation : This command may be used to total the fields corresponding to the field-list depending on the condition given.

The overall function of this semi-complex system may be visualised as three modules depending on their functionality. They are:

INPUT MODULE : This module takes in the Query from the user. It works in three phases. In the first, it asks for the command to be entered at the "QUERY :" prompt (See Figure 7.11). The user can press F1 for help which provides him with a menu of all commands. In the second, the Input Module displays the data dictionary from which he can select the keywords depending on his need. He can select upto a maximum of ten of them. He can navigate through the dictionary using the commands listed on the screen. The various commands are as follows :

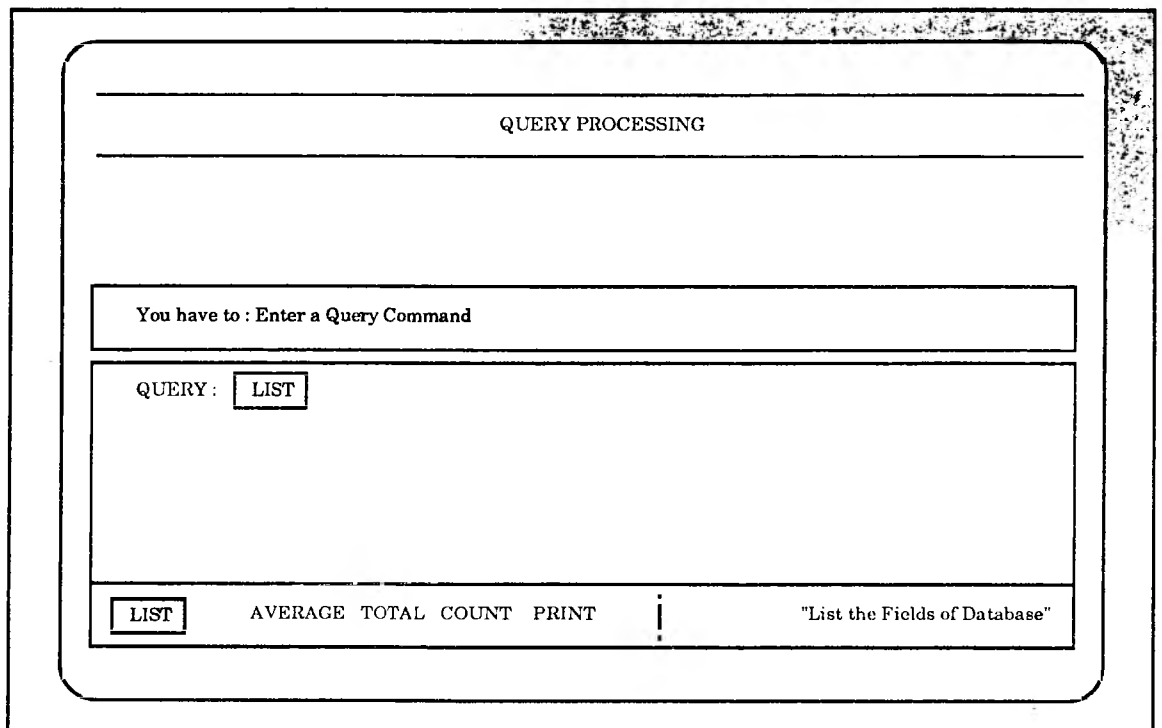


Figure 7.11: - Query Generation using Turbo - Query

P : Previous Page; N : Next Page; G<n> : Goto Page #n

The third phase is that of inputting the condition. Firstly, the user has to select the keywords on which he wishes to frame the condition. He is then provided with a full screen menu-driven module which interactively takes in all the conditions. He can input as many as FIVE conditions. The various Relational Operators, that are provided, are as follows :

'=' : Equal To; '>' : Greater Than; '<' : Less Than
'#' : Not Equal To; '>=' : Greater Than or Equal To
'<=' : Less than or Equal To.

Apart from these operators, various connectors are provided. They are as follows :

.OR., .AND., .NOT., .OR..NOT., .AND..NOT.

The last two connectors can be used for Logical Variables as well as for other conditions. Once the conditions are input, they can be nested within parentheses by selecting the 'NEST' option on the Main Menu. The user can either Add or Remove parentheses starting from and ending at a line. All the changes are shown dynamically on the screen so as to aid him in viewing his query condition.

QUERY PROCESSING MODULE : Once the query is over (See Figure 7.12), its processing is taken up by this module. It takes up each keyword, searches the data dictionary for its corresponding database and dbfield. It also creates a temporary database file which has the keyword asked for, the data base file(db field) it belongs to, the dbfield it corresponds to, its type; width etc.,. On finishing the mapping, the actual processing starts. The dbfiles, which are required, are marked and joined one after another to 'myvar' database files which are deleted at the end of the query session. The final 'myvar' dbfile has all the fields corresponding to the keywords that exist in the query with their values extracted from respective dbfiles. This greatly reduces the complexity of processing as a single filter is enough to extract the results of the Query.

RESULT FORMATTING : The records matching the given condition are extracted one after another and the fields are listed. A maximum of five columns are possible on one screen (See Figure 7.13). To meet the upper limit of fields list, the output is formatted so that, once the number of fields to be listed exceeds five, the screen is divided into two parts. The lower half of the screen displays the rest of the fields. A maximum of fifteen records are displayed if the no. of fields is less than 5 and five, otherwise. The user can view other records after finishing off with the current screen.

ENVIRONMENT

Recent advances in distributed data processing techniques and the availability of relatively powerful computer systems in the form of PC/AT compatible systems at affordable prices have made it possible to plan the District Informatics Centres (DICs). All DICs will have a PC/AT compatible computer systems with four terminals and a heavy duty dot matrix printer. The system has the expansion capability to serve upto 16 terminals and connect a line printer and additional disk drive to take care of the future requirements of the district. The following hardware & software have been made available at the DICs.

QUERY PROCESSING

You have to : Input the Query Condition

QUERY : LIST DISCODE, SCHNAME, SCHADDRESS, SCHTYPE, SCHMEDNM
FOR SCHMANAG = 'C G'. and. SCHMEDNM = 'MM'

Press any key to Continue

Figure 7.12 :- Query Display Before Processing

RESULT OF QUERY PROCESSING

DISCODE	SCHNAME	SCHADDRESS	SCHTYPE	SCHMEDIUM
GHAZIABAD	CENTRAL SCHOOL	RAJ NAGAR, GHAZIABAD	CO	MM
NOIDA	CENTRAL SCHOOL	SECTOR 4, NOIDA	CO	MM
NOIDA	CENTRAL SCHOOL	JALVAYU VIHAR, NOIDA	B	MM

Do You Want to Print the Results (Y/N) ?

Figure 7.13 :- Results of Query Processing

- PC/AT with at least, 8 MB memory, one floppydrive, one Winchester disk of 300 MB, one cartridge tape for backup with 40 MB or higher capability.
- Printer (300 CPS, 132 columns).
- Application software tools include FoxBASE+, Lyrix(Word Processor), Professional (Spread Sheet), and other equivalent packages and language compilers.

The system has the following broad configuration :

Make	:	SUPER PC/AT
Main Memory	:	Base 640 KB Extended 7168 KB
Secondary Memory	:	1 Hard Disk of 300 MB
Clock Speed	:	16 MHz
Microprocessor	:	INTEL 80386

The UNIX Operating System is the world's standard multi-user, multitasking environment. And XENIX, its most popular implementation at the micro level, is at the heart of more working multi-user business solutions than all other UNIX system versions combined. Today, the SCO XENIX System V offers the most productive, powerful, and flexible operating environment available for PCs. No wonder, DISNIC has opted for this operating environment.

A powerful multi-user, multitasking operating system, SCO XENIX System V allows file sharing between independent terminal operators or between application programmes under the control of one or more users. Originally developed by Microsoft Corporation, XENIX has become the standard UNIX system implementation for personal computers today, installed on more than 85% of all microcomputers running any version of the UNIX System worldwide.

SCO XENIX System V consists of three modules :

- a) Operating System;
- b) Development System;
- c) Text Processing System.

- a. Operating System** - contains the full set of XENIX utilities required to run business applications, administer the system, edit files, and communicate with others. Standard features include the UNIX System V shell, csh (advanced c shell), vsh (visual shell), vi (visual editor), electronic mail, uucp, and over 100 other UNIX System commands.

The hard disk can be shared between separate XENIX and DOS partitions, allowing the user to alternate between operating systems; utilities are provided for moving files between the XENIX and DOS environments.

- b. Development System** - supplies all the tools needed to write 'C' and assembly language programs, as well as providing a powerful DOS cross-development environment to create programs for both DOS and XENIX.
- c. Text Processing System** - contains tools for the preparation of large or complex documents. Included are the nroff, document formatter, macro-packages, and special formatting tools.

For the smooth running of various application programs, Hard disk at the DISNIC Software Division has been configured as follows :-

root	no, exists	0	0	40000
swap	no, exists	1	133352	163351
u	no, exists	2	163352	203352
user	no, exists	3	40001	115000
ours	no, exists	4	115001	133351
mine	no, exists	5	203353	230032
recover	no, exists	6	230033	230042
hdoa	no, exists	7	0	230332

230043 blocks for divisions, 289 blocks reserved for bad tracks

The Operating System at DISNIC SOFTWARE DIVISION has the following values for given parameters :-

npbuf	4
inodes	150
files	150
mounts	4
calls	39
procs	75
clists	140
maxproc	30
swplim	30
swplim	30
timezone	(8*60)
daylight	1
cmask	0
maxbuf	600
screens	0
emaps	10
shlsess	1
nodename	"HQR"

The above parameters have been modified to ensure the smooth running of the system with 16 users working simultaneously. All are the relevant parameters for more number of files to be opened simultaneously, more i-nodes and increased c-lists for better terminal response time.

For any clarification, explanation : consult DISNIC-COUNSEL.

According to the requirements of this system, FoxBASE +, a relational DBMS package, has been used, which supports a command language almost equivalent to dBASE III + of Ashton Tate. This DBMS works in multi-user XENIX environment.

FoxBASE + runs existing dBASE III + programs many times faster with practically no conversion. Besides its tremendous execution speed, it also compiles programs much more quickly.

System Requirements :

The minimum hardware requirements to run SCO FoxBASE + are as follows :

- At least 1.5 MB of memory is needed to ensure that the program runs under any configuration.
- An 80387 math coprocessor chip is highly recommended to achieve satisfactory program execution speed.
- Terminals must be supported by Termcap. Termcap is a text file that systematically describes the functional characteristics of a wide variety of commonly used terminals.

Specifications :

Maximum no. of records per data base file	: 1 billion
Maximum no. of characters per record	: 4,000
Maximum no. of fields per record	: 128
Maximum no. of characters per field	: 254
Digits of precision in numeric computation	: 16
Maximum no. of characters per character string	: 254
Maximum no. of characters per command line	: 254
Maximum no. of characters per report header	: 254
Maximum no. of characters per index key	: 100
Maximum no. of memory variables	: 3,600
Maximum no. of open databases	: 10
Maximum no. of open indexes	: 14
Maximum no. of open indexes per database	: 7

The salient features of SCO FoxBASE + are as follows:

- Multi-User support
- Significant performance enhancements
- Complete compatibility with dBASE III +

- Familiar program development environment
- Data sharing between machines or across net-works
- Extended functionality

Enhancements over dBase III + :

- Memory variable arrays :

One or two dimensional arrays of memory variables can be created by using DIMENSION statement. Such arrays are limited in size to the total number of memory variables available. The elements of memory variable array may contain any type of data. Finally, if an array is DIMENSIONED with 2 subscripts, it can also be accessed with a single subscript. The array elements are stored in row significant order. One variable location is required for the array descriptor.

- Multiple relations per database

- Many more memory variables :

— dBASE III + allows only 256 memory variables. SCO FoxBASE + allows 3,600 memory variables.

- Far more procedures per procedure file :

dBASE III + allows only 32 procedures per procedure file whereas SCO FoxBASE + allows 128 procedures per procedure file.

- MIN/MAX available with Date

- Browse enhancements

In order to run the DISNIC Software, the file /usr / lib/ foxplus/ config.fx should include the following parameters and their corresponding values (cp Config.365 Config.fx) :

```

bucket      =      4
buffers     =      31
hmemory    =      4
maxmem     =      64
mvarsiz    =      12
mvcount    =     512
pcache     =      64
status     =     off

```

APPENDIX IA : COURSE CODES IN COLLEGIATE EDUCATION

01	Arts	04	Agriculture
02	Science (Maths)	05	Science (Biology)
03	Commerce	06	Veterinary Science

01	Arts	05	Agriculture
02	Science (Maths)	06	Drawing
03	Science (Biology)	07	Arts and Crafts
04	Commerce	08	Fine Arts

01	B.A.	13	B.Ed.
02	B.A. (Hons.)	14	B.T.
03	B.Sc.	15	L.L.B.
04	B.Sc. (Hons.)	16	B.Lib. (Science)
05	B.Sc. (Military Science)	17	B.Phy. Education
06	B.A. (Home Science/Home Arts/ Home Economics)	18	B.Music
07	B.Sc. (Home Science/Home Economics)	19	B. Journalism
08	B.Sc. (Agriculture and Animal Husbandry)	20	B.O.L.
09	B.Sc. (Hons.) (Agriculture)	21	B.O.L. (Hons.)
10	B.Sc. (Dairy Science)	22	B.A. (Classic)
11	B.Com.	23	B.S.W.
12	B.Com. (Hons.)	24	B.R.S.

01	M.A. (English)	19	M.Sc. (Bio-Chemistry)
02	M.A. (Economics)	20	M.Sc. (Home Science)
03	M.A. (History)	21	M.Sc. (Agriculture)
04	M.A. (Indian Languages)	22	M.Sc. (Dairy Science)
05	M.A. (Political Science)	23	M.Com.
06	M.A. (Public Administration)	24	M.Ed.
07	M.A. (Sociology)	25	M.Lib.
08	M.A. (Geography)	26	M.Phy. Ed.
09	M.A. (Fine Arts)	27	M.O.L.
10	M.Sc. (Zoology)	28	M.R.S.
11	M.Sc. (Biology)	29	M.S.W.
12	M.Sc. (Botany)	30	M.B.A.
13	M.Sc. (Geology)	31	M.R.P.
14	M.Sc. (Physics)	32	M.L.W.
15	M.Sc. (Chemistry)	33	M. Journalism
16	M.Sc. (Maths)	34	L.L.M.
17	M.Sc. (Computer Science)	35	M.Music
18	M.Sc. (Statistics)		

01	Diploma in Foreign Affairs	21	Diploma in Education/Vocational Administration
02	Diploma in Modern Indian Languages	22	Diploma in Criminology
03	Diploma in English	23	Diploma in Labour Law/Taxation Law
04	Diploma in Statistics	24	Diploma in Labour Law and Practices
05	Diploma in Economics	25	P.G. Diploma in Library Science
06	Diploma in Labour Welfare	26	Diploma in Physical Education
07	Diploma in Foreign Languages	27	Diploma in Yogic Science
08	Diploma in Anthropology	28	Diploma in Music
09	Diploma in Archaeology	29	Diploma in Dramatics
10	Diploma in International Relations/Affairs	30	Diploma in Painting
11	Diploma in Public Administration	31	Diploma in Wood Work and Weaving
12	Diploma in Spectroscopy	32	Diploma in Acting
13	Diploma in Agriculture	33	Diploma in Interior Design and Environment
14	Diploma in Accountancy	34	Diploma in Visual Arts
15	Diploma in Banking	35	Diploma in Social Works/Rural Science
16	Diploma in Business Management	36	Diploma in Village Leadership
17	Diploma in Industrial Management	37	Diploma in Gramsewak
18	Diploma in Basic Education	38	Diploma in Labour Welfare
19	Diploma in Educational Teacher Training	39	Diploma in Journalism
20	Diploma in Guidance/Counselling	40	Diploma in Oriental Studies

ANNEXURE IB COURSE CODES IN TECHNICAL EDUCATION

01	Aeronautical	12	Instrumentation
02	Applied Chemical	13	Machine Design
03	Bio Technology	14	Marine Structures
04	Chemical Engineering	15	Material Science
05	Civil Engineering	16	Mechanical Engineering
06	Computer Science	17	Metallurgy
07	Master of Computer Applications	18	Industrial Structures
08	Electrical	19	Mining
09	Electrical & Electronics	20	Textile Technology
10	Electronics	21	Thermal Power Engineering
11	Environmental Engineering	22	System Science and Automation

01	Aeronautical	16	Marine Engineering
02	Applied Electronics & Instrumentation	17	Mechanical Engineering
03	Applied Science & Computer Technology	18	Metallurgy
04	Architectural Engineering	19	Production cum Plant Engineering
05	Automobile Engineering	20	Structural Engineering
06	Chemical Engineering	21	Textile Technology
07	Civil Engineering	22	Industrial Engineering
08	Computer Engineering	23	Mining
09	Computer Science & Technology	24	Tele-Communication
10	Electrical Engineering	25	Agricultural Engineering
11	Electrical & Electronics	26	B.Sc. (Production)
12	Electronics	27	B.Sc. (Applied Geophysics)
13	Electronics & Communication	28	B.Sc. (Applied Geography)
14	Ceramics Engineering	29	B.Sc. (Dairy Technology)
15	Instrumentation Technology	30	B.Sc. (Architecture)

01	Computer Programming	09	Cinematography
02	Computer Science and Application	10	Industrial Engineering
03	Electrical Design Technology	11	Traffic Engineering
04	Electro-Chemical Engineering	12	Computer Management
05	Environmental Engineering	13	Jute Technology
06	Hydrology & Water Resources Engineering	14	Textile Technology
07	Instrument Technology	15	Numerical Analysis and Automatic Computing
08	Operation Research	16	Leather Technology

(Not leading to degree) :

- | | | | |
|----|-------------------------------|----|-----------------------------|
| 01 | Agriculture | 14 | Metallurgy |
| 02 | Automobile | 15 | Petrochemical Technology |
| 03 | Chemical Engineering | 16 | Production Engineering |
| 04 | Civil Engineering | 17 | Pulp & Paper Technology |
| 05 | Computer Engineering | 18 | Sugar Technology |
| 06 | Computer Science & Technology | 19 | Textile Design |
| 07 | Electrical | 20 | Mining |
| 08 | Electrical & Communication | 21 | Sound Engineering |
| 10 | Electronics | 22 | Marine Engineering |
| 11 | Instrument Technology | 23 | Public Health Engineering |
| 12 | Machine Tool Technology | 24 | Food Technology |
| 13 | Mechanical | 26 | Oil and Chemical Technology |

APPENDIX 10 - COURSE CODES IN MEDICAL EDUCATION (NOT LEADING TO DEGREE)

(Not Leading to Degree):

01	Medicine	07	Dental Mechanical Course
02	Nursing	08	Public Health
03	Compounding	09	Sanitary Inspector Course
04	Ayurvedic Medicine	10	Pharmacy
05	Midwifery	11	Dressor's Course
06	Ayurvedacharya	12	Veterinary Science

01	M.B.B.S.	06	B.Sc. (Medicine)
02	B.M.S.	07	B.Sc. (Nursing)
03	B.S.A.M.	08	B. Pharm.
04	A.B.M.S.	09	B.D.S./B.D.
05	B.H.M.S.	10	B.V.Sc.

01	Clinical Pharmacology	14	D.M.R.E.
02	Diploma in Scientific Instrumentation	15	D.I.H.
03	Surgery	16	D.C.H.
04	Physics Pathology of Reproduction & Artificial Insemination	17	D. Orth.
05	D.A.	18	D.O.M.S.
06	D.V.	19	D.P.H.
07	D.G.O.	20	D.T.D.
08	D.L.O.	21	D.Ven.D.
09	D.M.P.	22	Ayurvedacharya
10	D.C.P.	23	Bhishgacharya
11	D.O.	24	Nursing
12	T.D.	25	Veterinary Science
13	D.M.R.D.	26	Animal Husbandry

ANNEXURE I. MEMORANDUM OF UNDERSTANDING

MEMORANDUM OF UNDER- STANDING FOR THE INSTALLATION AND USAGE OF THE NATIONAL INFORMATICS CENTRE COMPUTER- COMMUNICATION FACILITIES

THIS MEMORANDUM OF UNDERSTANDING (MOU) MADE BETWEEN THE PRESIDENT OF INDIA REPRESENTED BY NATIONAL INFORMATICS CENTRE, PLANNING COMMISSION, GOVERNMENT OF INDIA, HEREIN AFTER REFERRED TO AS "NIC" (WHICH EXPRESSION SHALL UNLESS EXCLUDED BY OR REPUGNANT TO THE CONTEXT BE DEEMED TO INCLUDE HIS SUCCESSOR IN OFFICE OR ASSIGN) OF THE ONE PART AND THE GOVERNOR OF REPRESENTED BY HEREIN AFTER REFERRED TO AS "STATE" (WHICH EXPRESSION SHALL UNLESS EXCLUDED BY OR REPUGNANT TO THE CONTEXT BE DEEMED TO INCLUDE HIS SUCCESSOR IN OFFICE OR ASSIGN) OF THE OTHER PART.

IT IS HEREBY AGREED AND DECLARED THAT FOR THE SETTING UP OF THE COMPUTER-COMMUNICATION FACILITIES OF NIC AT THE STATE CAPITAL AND DISTRICTS, THE FOLLOWING SHALL BE THE RESPONSIBILITIES AND RIGHTS OF NIC AND STATE.

1. NIC will purchase, install, operate and maintain the computer-communication facility.
2. NIC will bear all the expenditure for site preparation (including electrical and civil work) and air conditioning equipment towards the establishment of Computer Facility at the STATE/District Centres.
3. NIC will provide magnetic tapes and floppies required for storing data at the NIC centres and all computer services including system analysis and software development for STATE and Central Government Departments. However, subsidized charges for computer consumables utilized by the user will be charged to the STATE/user.
4. The computer equipment installed by NIC will be the sole property of NIC and NIC reserves the right to remove, augment or replace the equipment.
5. Augmentation/modification of Computer facility will be decided by NIC on the recommendation of NIC-STATE Coordination Committee (NSCC) (set up as per clause 22 of this MOU) which will evaluate the appropriateness of projected computer applications, budget availability, inter-sectoral priority, associated needs etc.
6. NIC will manage the STATE and District Computer Centres.
7. The appropriateness of a computer application from STATE will be determined by the NSCC keeping in view the priorities, resource availability at STATE Centre and guidelines to be issued by NIC from time to time.
8. The availability of hardware and specialist services at the STATE and District Centres will be scheduled by the NIC on the recommendation of NSCC but keeping in view the overall standardization applicable to all States and the resource position of NIC
9. NIC will ensure information security in its network to the extent possible as recommended by the NSCC but keeping in view the overall security standards

applicable to all States to be recommended by the NIC Advisory Committee on information Security from time to time.

10. NIC will not take responsibility of any kind including secrecy for use of the NIC terminal for security related problems/information.
11. For efficient hardware utilisation, NIC reserves the right to allow the use of the terminal in the STATE's premises to any other quasi-Government or autonomous Governmental organisation in the STATE. However, the STATE in whose premises the terminal is set up, will be treated as the preferential user. The preferential user will be given the first priority for the use of the terminal. When the terminal functions to the full capacity on a three shift basis, jobs or users other than the preferential user will be phased out so as to make way for the expansion of computerisation of the preferential user.
12. If a terminal system is out of order, NIC will endeavour to make arrangement, to the extent technically feasible, for processing the user programmes on an alternate system within the NIC network.
13. NIC will respect information proprietary to various STATE departments and will provide all mutually agreed safeguards which are feasible within the ambit of technical and resources constraint.
14. Training of essential State Government personnel on computer usage and applications will be arranged by NIC free of charge. Training will be arranged at the NIC Regional/State/District computer centres as far as possible. TA/DA of the trainees, if any, will be borne by the STATE.
15. Problems which require excessive computer time or voluminous data which can not be handled by the STATE Centre will have to be taken up at NIC Regional Centre/HQ as per agreed schedules.
16. The priority of installation of terminals at various Departments/ Organisations under the STATE Government will be on the basis of assessment made by the NSCC.
17. If the circumstances warrant a discontinuance of the NIC facilities by the STATE or NIC decides to discontinue its services, all the equipment of NIC at the user location will be taken back by NIC. The final decision on this will be jointly taken by NIC and STATE. The decision to discontinue the services of NIC would be implemented from a date mutually agreed upon.

Without prejudice to the above, NIC shall have absolute, unqualified and unconditional authority to discontinue the services of NIC at the District Centres or STATE Centre by giving a notice of 6 months without paying compensation to the user.

18. On all aspects where the above articles of understanding are silent, or for special cases of deviation from these articles, the decision mutually agreed upon between NIC and STATE will be final. However, in case of any dispute relating to or arising out of MOU, such dispute shall be resolved amicably by mutual consultations.

19. STATE will provide necessary accommodation of not less than 3000 Sq.Ft. in the Secretariat building or in a conveniently situated building of the STATE Government at STATE capital and of not less than 400 Sq.Ft. at District Headquarters for setting up of the computer facilities at the STATE and District Centres.
20. STATE will bear all expenditure for the site preparation (including electrical and civil works) and air-conditioning equipment towards the establishment of computer terminal facility at the premises of User departments.
21. STATE will bear the running expenditure towards the electrical power, water supply and maintenance of the computer centre buildings.
22. An NIC-STATE Coordination Committee (NSCC) consisting of representatives of STATE and **NIC will be** set up by the STATE in consultation with NIC for the effective **implementation** of the programme. Chairman of NSCC will be from **the STATE** and Member-Secretary will be from NIC.
23. STATE shall provide **adequate arrangements** for the physical safety of the STATE and District Computer **Centres** from theft, fire, illegal entry of persons as well as other security measures as per recommendations issued from time to time by the Ministry of Home Affairs and NIC. STATE will indemnify NIC in case of theft, fire or any loss due to slackness of security measures. State agrees to provide physical security measures when the Computer Centre is operational on a two or three shift basis.
24. STATE will run on the computer only the STATE's own programmes and jobs. Any outside programmes and jobs sought to be run by STATE will require prior approval of NIC. All jobs of STATE have to be duly certified by the competent authority of STATE department.
25. It is mandatory to supply abstract data in the subject area of the STATE to the Central pool of data bank of NIC as decided by the NSCC. This contribution from STATE is guided by the need to develop a National Computerized Information System on the NIC Computer Network (NICNET).
26. STATE shall not tamper with the NIC equipment installed at the STATE and District Centres.
27. In the event of damage to the NIC equipment due to negligence on the part of STATE, if established, the cost of repairs or replacements, will be borne by STATE. Decision of NIC will be final in this regard.
28. Collection of data, its entry/preparation and validation will be entirely the responsibility of the STATE. This has to be in conformity with information standardization and compatibility as per guidelines issued by NIC from time to time.

This MOU shall be effective when executed by or on behalf of both the Parties.

IN WITNESS WHEREOF THE PARTIES HERETO HAVE EXECUTED THIS AGREEMENT IN DUPLICATE ON THE DAY AND THE YEAR HEREIN AFTER INDICATED.

FOR AND ON BEHALF OF THE
PRESIDENT OF INDIA

FOR AND ON BEHALF OF THE
GOVERNOR OF

Signature :

Signature :

Name :

Name :

Designation :

Designation :

Date :

Date :

IN THE PRESENCE OF

IN THE PRESENCE OF

1. Signature

1. Signature

Name

Name

2. Signature

2. Signature

Name

Name

ANNEXURE II GLOSSARY OF COMPUTER TERMS

ABSOLUTE VALUE	Positive value or form of a number
ACCESS TIME	Time required to transfer a piece of information from storage to another unit of the computer
ADDRESS	Location in internal memory of the computer
ADDRESS NAME	A symbol used to represent a location in the memory
ALGORITHM	Logical list of procedures or steps for solving a given problem
ALPHA-NUMERIC	Set of characters made up of alphabets and numerals
ALU	Arithmetic and Logic Unit. Part of the CPU which performs arithmetic and logical operations
ARRAY	A set of values arranged in a regular pattern:
ASCII	American Standard Code for Information Interchange
ASSEMBLER	A computer program which is used to translate a source program written in assembly language into machine language
AUXILIARY STORAGE	A storage that supplements the primary internal storage of a computer. Often referred to as secondary storage
BACKUP	Alternate programs or equipment used in case the original is incapacitated
BATCH PROCESSING	A technique in which a number of similar items or transactions to be processed are grouped (batched) and processed in a designated sequence during a machine run
BAUD	A unit for measuring data transmission speed
BINARY DIGIT	Either of the characters 0 or 1. Abbreviated "bit"
BIT	see binary digit
BLOCK	Related records, characters or digits that are grouped and handled as a unit during input and output. A section program coding treated as a unit
BUFFER	A storage device used to compensate for the difference in rates of flow of data from one device to another e.g., from an I/O device to the CPU
BUG	An error in a system or program
BUS	Circuits that provide a communication path between two or more devices, such as between a CPU, storage and peripherals
BYTE	A group of adjacent bits, usually eight, operated as a unit

CACHE	A very high storage device
CATHODE RAY TUBE	An electronic tube with a screen upon which information may be displayed
CENTRAL PROCESSING UNIT (CPU)	The component of a computer system which unites the circuitry to control the interpretation (CPU) and execution of instructions. The CPU includes primary storage, arithmetic-logic and control sections
CHARACTER STRING	A string of alphanumeric characters
CHIP	A thin wafer of silicon on which integrated electronic components are deposited
CLOCK	A device that generates the periodic signals used to control the timing of all CPU operations
COMPILER	A computer program that produces a machine-language program from a source program that's usually written in a high-level language
COMPUTER	An electronic symbol manipulating system that is designed and organized to automatically accept and store input data, process them and produce output results under the direction of a detailed step-by-step stored program of instructions
COMPUTER NETWORK	A processing complex consisting of two or more interconnected computers
COMPUTER OPERATOR	One whose duties include setting up the processor and peripheral equipment, starting the program run, checking on processor operation and unloading equipment at the end of a run
CONSOLE	The part of a computer system that enables human operators to communicate with the computer
CPU	See Central Processing Unit
CRASH	A hardware or software failure that leads to an abnormal cessation of processing
CRT	See Cathode Ray Tube
CURSOR	A symbol on a visual display screen that highlights the location(s) to be affected by the next character or command that is entered
DASD	Acronym for Direct Access Storage Device
DATA	The raw material of information
DATA BASE	A stored collection of the libraries of data that are needed by organizations and individuals to meet their information processing and retrieval requirements

DATA BASE ADMINISTRATOR	The person responsible for defining, updating and controlling access to the data base
DATA BASE MANAGEMENT SYSTEM (DBMS)	The comprehensive software system that builds, maintains, and provides access to a data base
DATA COMMUNICATIONS	The means and methods whereby data are transferred between processing sites
DATA ENTRY OPERATOR	One who transcribes data into a form suitable for computer processing
DATA PROCESSING	One or more operations performed on data to achieve a desired objective
DECISION SUPPORT SYSTEM	(DSS) A computer-based system that backs up and assists those engaged in planning and decision-making activities
DIAGNOSTICS	Error messages printed by a computer to indicate system problems and improper program instructions
DIGITAL COMPUTER	A device that manipulates discrete data and performs arithmetic and logic operations on these data
DISK	A revolving platter upon which data and programs are stored
DISKETTE	A floppy disk. A low cost magnetic medium used for I/O and secondary storage purposes
EDITOR	A program used to interactively review and alter text materials and other program instructions
ELECTRONIC MAIL	A general term used to describe the transmission of messages by the use of computing systems and telecommunications facilities
FILE PROCESSING	The updating of master files to reflect the effects of current transactions
FLOPPY DISK	See diskette
FLOWCHART	A diagram that uses symbols and interconnecting lines to show the logic and sequence of specific program operations
HARD COPY	Printed or filmed output in humanly readable form
HARD DISK	A rigid metal platter coated with a magnetizable substance, used for secondary storage

HARDWARE	Physical equipment such as electronic, magnetic and mechanical devices
HIGH-LEVEL LANGUAGE	A programming language oriented toward the problem to be solved or the procedures to be used. Instructions are given to a computer by using convenient letters, symbols or English-like text, rather than by using the 1s and 0s code that the computer understands.
HOME DIRECTORY	Every user who is assigned a valid account is allocated a work space area to store his/her files. The HOME directory is the logical name for this work area
INFORMATION RETRIEVAL	The methods used to recover specific information from stored data
INPUT/OUTPUT	Pertaining to the techniques, media and devices used to achieve human/machine communication
INTERNAL STORAGE	The addressable storage in a digital computer directly under the control of the CPU
I/O	See Input/Output
K	An abbreviation for a value equal to 1,024
KEY	A unique item used to identify a record
LANGUAGE	A set of rules and convention used to convey information
LOCAL AREA NETWORK (LAN)	A privately owned communication system that links computers, terminals, word processing stations and other devices located within a compact area such as an office building or campus
LOGIN	The procedure by which the user enters the system. In XENIX when the user logs in he/she enters the HOME directory first
LSI	Large Scale Integration. The process of integrating a large number of electronic circuits on a single chip of silicon or other material
MACHINE LANGUAGE	A language used directly by a computer
MAGNETIC STORAGE	Utilizing the magnetic properties of material to store data on such devices and media as disks, drums, cards, cores, tapes, chips and films
MAINFRAME	A large computer system that has the capability to support many powerful peripheral devices
MANAGEMENT INFORMATION SYSTEM (MIS)	A computer-based information system designed to supply organizational managers the necessary information needed to plan, organize, staff, direct and control the operations of the organization
MEMORY	Same as storage
MENU	A set of programmed choices provided to a computer user

MICRO COMPUTER	The smallest category of computer, consisting of a microprocessor and associated storage and input/output elements
MICRO PROCESSOR	The basic arithmetic, logic and storage elements required for processing
MINI COMPUTER	A relatively fast but small and inexpensive computer with somewhat limited input/output capabilities
MULTI PROCESSING	The simultaneous execution of two or more sequences of instructions by a single computer network
MULTI PROCESSOR	A computer network consisting of two or more central processors under a common control
MULTI PROGRAMMING	The simultaneous handling of multiple independent programs by interleaving or overlapping their execution
NANOSECOND	One billionth of a second
NETWORK	Network is an interconnection of computer systems and/or peripheral devices at dispersed locations that exchange data as necessary to perform the functions of the network
OBJECT PROGRAM	A fully compiled or assembled program that's ready to be loaded into the computer. Contrast with source language
OCR	Optical Character Recognition
OFFLINE	A term describing persons, equipment or devices not in direct communication with the CPU
ONLINE	A term describing persons, equipment or devices that are in direct communication with the CPU
OPERATING SYSTEM	An organized collection of software that controls the overall operation of a computer
PARALLEL INTERFACE	An electrical interconnection that permits eight or more bits of data to be moved in the same instance of time
PERIPHERAL DEVICE	Input/Output devices and auxiliary storage units of a computer system
PERSONAL COMPUTER (PC)	A single-user-oriented general-purpose (PC) micro computer processing system that can execute program instructions to perform a wide variety of tasks
PORT	An electrical interconnection. See parallel interface, serial interface
PRINTER	A device used to produce computer output

PROGRAM	A set of sequenced instructions to cause a computer to perform particular operations
PROGRAMMER	One who designs, writes, tests and maintains computer programs
PROGRAMMING LANGUAGE	A language used to express programs
PSEUDOCODE	A programming analysis tool
RAM	See Random Access Memory
RANDOM ACCESS MEMORY	A storage device structured so that the time required to retrieve the data is not significantly affected by the physical location of the data
REAL TIME	Descriptive of on-line computer processing systems which receive and process data quickly enough to produce output to control, direct or affect the outcome of an ongoing process
RECORD	A collection of related items of data treated as a unit
REGISTER	A device capable of storing a specific amount of data
RELATIONAL	An approach to structuring data in such a way that the logical relationships are represented in interrelated tables
RELATIONAL SYMBOLS	Symbols such as > ("greater than"), < ("less than"), or = ("equal to") that are used to compare two values in a conditional branching instruction
REMOTE ACCESS	Relating to the communication with a computer facility by a station that is at a distance from the computer
ROM	See Read Only Memory
READ-ONLY MEMORY	Generally a solid-state storage chip that is programmed at the time of its manufacture and may not be reprogrammed by the computer user
ROUTINE	An ordered set of general-use instructions
RUN TIME	The time required to complete a single, continuous execution of an object program
SERIAL INTERFACE	An electrical interconnection that permits data to be moved one bit at a time over a single path
SOFTWARE	A set of programs, documents, procedures and routines associated with the operation of a computer system
SORT	To arrange data into a predetermined sequence
SOURCE	A computer program written in a computer language such as BASIC, FORTRAN or dBASEIII+

- SPOOLER** Software that allows the CPU to alternate between processing a user's ongoing activity and controlling another activity such as printing
- STORAGE** Descriptive of a device or medium that can accept data, hold them and deliver them on demand and at a later time. Synonymous with memory
- SUPER COMPUTER** Computer system characteristic by its very high processing speeds
- SYSTEM** (1) A grouping of integrated methods and procedures united to form an organized entity; ; (2) An organized grouping of people, methods, machines, and materials collected together or to accomplish a set of specific objectives
- SYSTEM ANALYSIS** A detailed step-by-step investigation of related procedures to see what must be done and find the best way of doing it
- SYSTEM ANALYST** One who studies the activities, methods, procedures and techniques of organizational systems in order to determine what actions need to be taken and how these actions can be best accomplished
- SYSTEM DESIGN** The creation of alternative solutions to the problems uncovered in the system analysis
- TELECOMMUNICATION** Transmission of data between computer systems and/or terminal in different locations
- TERMINAL** A device that performs I/O operations in a computer system
- THROUGHPUT** The total amount of useful work performed by a computer system during a given period of time
- TIMESHARING** The use of specific hardware by a number of processes simultaneously in such a way as to provide quick response to each of the users
- USER FRIENDLY** A phrase that presumably describes a program or system that people with limited computing backgrounds will find easy to learn and use
- USER ID** The identification name given to the user on his/her receiving a valid account
- VIRTUAL STORAGE** Descriptive of the capability to use on-line secondary storage devices and specialized software to divide programs into smaller segments for transmission to and from internal storage in order to significantly increase the effective size of the available memory
- VISUAL DISPLAY TERMINAL** A device capable of displaying keyed input and CPU output on a CRT
- VLSI** See: Very large scale integration

VERY LARGE SCALE INTEGRATION

The packing of hundreds of thousands of electronic components on a single semiconductor chip

WORD

A group of bits or characters considered as an entity and capable of being stored in a storage location

WORD LENGTH

The number of characters or bits in a word

WORD PROCESSING

The use of computers to create, view, edit, store, retrieve and print text material

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DOC. No. D-11131
Date 27-6-91

