



# ANNUAL REPORT

1982-83



BANGLADESH TELEGRAPH AND TELEPHONE BOARD  
DHAKA



**ANNUAL REPORT  
FOR  
THE YEAR 1982-83**



**BANGLADESH TELEGRAPH AND TELEPHONE BOARD  
MANIK MIA AVENUE  
SHER-E-BANGLA NAGAR  
DHAKA**

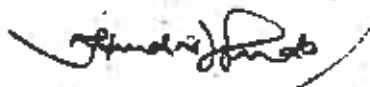
**CABLE : TELEBOARD DHAKA  
TELEX NO. DHAKA 642020 & 642030 BTTB BJ**

FOREWORD

I have great pleasure in presenting this Annual Report of Bangladesh Telegraph and Telephone Board depicting the activities and achievements for the year 1982-83. During the last two financial years i.e. 1980-81 and 1981-82, Annual Reports of the Board could not be published due to some unavoidable circumstances.

The present publication covers all aspects of planning, development, maintenance, operation as well as personnel and financial affairs of the Board and contains a graphic representation of our activities and future plans in all major fields of Telecommunication at home and abroad. This will also give a clear idea about the progress, achievements, shortcomings as well as difficulties faced by the Board in materializing its plans and programmes. I am sure the general public as well as other users of our facilities will appreciate our untiring endeavours to provide telecommunication services covering almost all the Upazilas in spite of our limited resources keeping in view the decentralization programmes of the Government.

I would like to take this opportunity, on behalf of the Board and of myself, to note the efficiency and devotion to duty of most of the executives and the staff who worked hard and sincerely to maintain the services satisfactorily and at the same time implement the planned programme successfully during the year.



( A.K.M. NURUL HUDA )  
CHAIRMAN  
BANGLADESH TELEGRAPH AND TELEPHONE BOARD  
DHAKA.

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# **CHAPTER-I**

**BANGLADESH TELEGRAPH & TELEPHONE BOARD**

**BANGLADESH TELEGRAPH AND TELEPHONE BOARD**



**ENGR. A. H. M. NURUL HUDA**  
**CHAIRMAN**  
**BANGLADESH TELEGRAPH AND TELEPHONE BOARD**





**ENGR. SERAJUL ISLAM KHAN**  
Member ( P & D ).



**MR. ATAUL KARIM**  
Member (Finance)



**ENGR. MAQSUD ALI KHAN**  
Member (M & D)

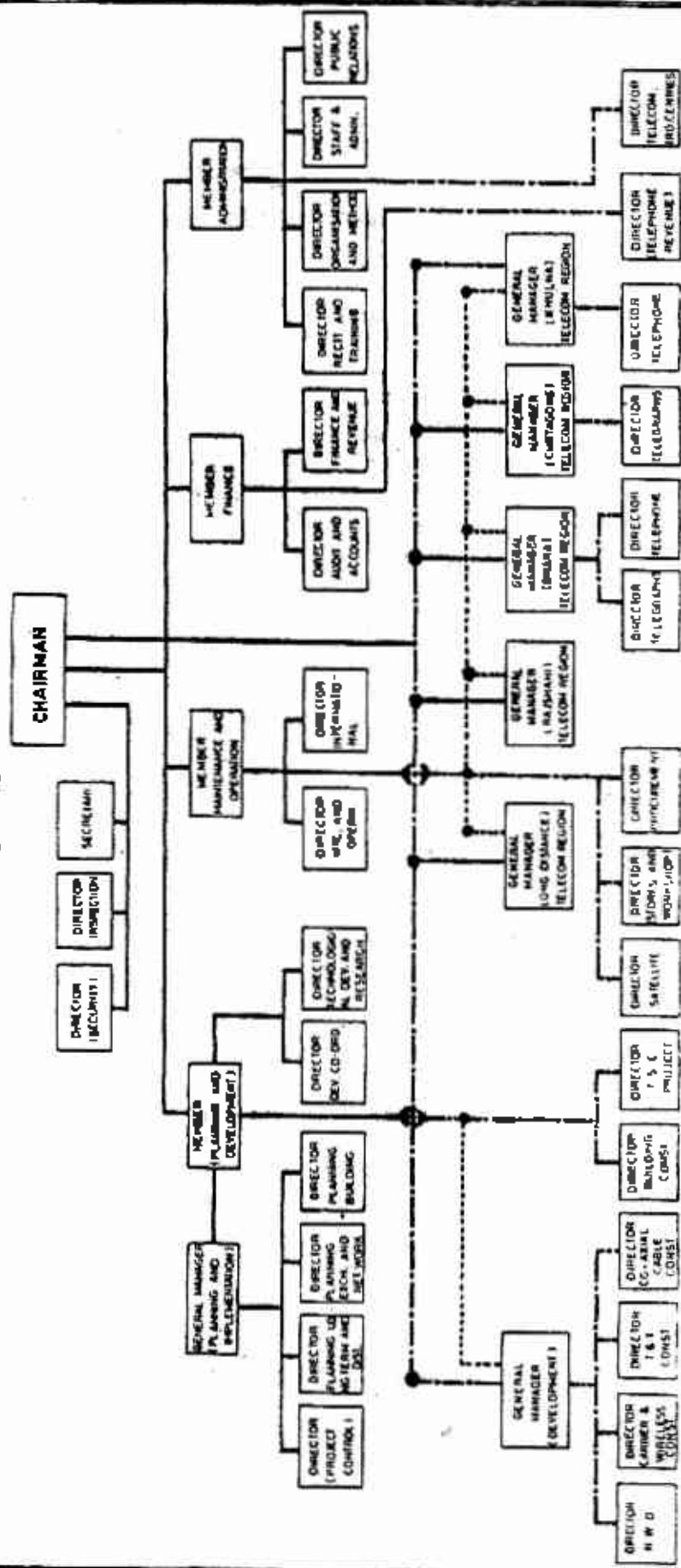


**LT. COL. M. SERAJ-UL ISLAM**  
Member (Administration)



**A. B. M. MOQBUL HOSSAIN**  
Secretary

# ORGANIZATION CHART OF THE BANGLADESH TELEGRAPH AND TELEPHONE BOARD



\_\_\_\_\_ CENTRAL OFFICE  
 - - - - - FUNCTIONAL RELATION  
 . . . . . FIELD OFFICE

BANGLADESH TELEGRAPH AND TELEPHONE BOARD

AT A GLANCE:

In pursuance of Ordinance No. XII of 1979 promulgated by the President of the People's Republic of Bangladesh on 24th February, 1979, the Bangladesh Telegraph and Telephone Board came into existence in its present form. Attached to the P. T&T Division under the Ministry of Communication, it is responsible for providing, maintaining and developing telecommunication facilities and services both within and outside the geographical boundary of the country.

It may be worth while to mention that the origin of the organization dates back to 1953, when the Telegraph Department was set up in British India and which was later on regulated under the authority of Telegraph Act, 1885. After creation of Pakistan in the year 1947, Pakistan Post & Telegraph Department was entrusted with the Telecom. Services of Pakistan including the area of the then East Pakistan now constituting Bangladesh. The P&T Department was subsequently bifurcated and Telegraph and Telephone Department established in the year 1962 with the responsibility of rendering Telecommunication Services under the Ministry of Communication of the then Pakistan. After the creation of People's Republic of Bangladesh in 1971, Bangladesh Telegraph and Telephone Department was set up under the Ministry of P.T&T. with a view to ensure more autonomy and run the Telecom. Services on a commercial basis, the B.T&T. Department was converted into a corporate body in the year 1976.

In 1979, an ordinance (Ordinance XII of 1979) was promulgated to establish the present Board as a Government Organization. Under this ordinance, the Government constituted a Board to be called the Bangladesh Telegraph and Telephone Board with a Chairman, four whole time and two part-time Members.

The Board is the policy making body of the organization, acts collectively and takes important and major decisions in Board meetings, normally held once a month.

At the field level at present the country is divided into four Telecommunication Zones, such as (i) Dhaka Telecom. Region, (ii) Khulna Telecom. Region, (iii) Chittagong Telecom. Region, (iv) Rajshahi Telecom. Region, each headed by a General Manager. In addition, there are three other General Managers, each looking after Long Distance, Planning and Development respectively. The General Managers are assisted by a number of Directors, Dy. Directors/ Divisional Engineers, Asstt. Director/Asstt. Engineers and a host of technical and non-technical staff. A chart showing the present organization setup of Bangladesh T&T Board is given in page No. 5.

Apart from helping the Board in taking collective decisions regarding the affairs of the organization, each Member of the Board has a definite sphere of responsibilities. The Chairman and the Members of the Board are appointed by the Government.

A brief description of their functional responsibilities is given below :

CHAIRMAN :

The Chairman is the Chief Executive of the Board and responsible for the efficient Management, Operation and Development of Telecom. System of the Country. He co-ordinates the different functions of the Members as the Chief Executive of the Board. At the end of every financial year, he submits to the Government a report on the conduct of its affairs for that year.

MEMBER (ADMINISTRATION):

The Member (Adm.) is in charge of the personnel Administration of B.T.T Board under the administrative guidance and control of the Chairman. He is responsible for successful implementation of Establishment and administrative policies as adopted by the Board, and he is to guide, co-ordinate and supervise the functions of Directors of Personnel, Organisation and Method, Recruitment and Training and Public Relations.

MEMBER (PLANNING & DEVELOPMENT):

The Member, Planning and Development, is in charge of Planning and Development of Telecommunication system both within & outside the Country in the perspective of long term and future needs. He is to assist the Chairman in formulation of Board policies in respect of planning and development and successful implementation of all such development projects. Responsible for management, guidance and co-ordination for adoption of new techniques and technologies, he is also to maintain proper liaison with the Planning Commission and other concerned National and International Agencies in connection with projects related to planning and development of telecommunication in the country as well as on a global basis. Accordingly he is to prepare suitable plans for development and modification of existing systems and suggest equipments for efficient and economical utilisation of fund.

MEMBER (MAINTENANCE & OPERATION):

The Member, Maintenance and Operation, is primarily responsible for operation and maintenance of the Telecommunication system in and outside the country. He is to look after the works, related to operation and maintenance, of Directors in charge of Maintenance and Operation, International, Procurement, Stores and Workshop, and Satellites. He is to assist the Chairman in formulation of Board policies and engineering instructions and in successful implementation of policy matters as decided by the Board. He is responsible for procurement of all types of Telecommunication equipments and stores. He is to study and analyse all papers, reports and publications of conferences, meetings, seminars, etc. of International, Regional and National Telecommunication bodies, bring to the notice of the Board all technological advancements in this field and recommend measures for implementation in appropriate cases.



BOARD MEETING IS GOING ON

MEMBER (FINANCE):

The Member, Finance, is primarily responsible for assisting the Chairman in the formulation and successful implementation of financial policies and regulations and in proper utilisation of allocated funds. He is to scrutinise Annual Budget/Revised Budget estimates, capital and other expenditures including foreign exchange component and ensure their timely presentation and control. He is to supervise arrangements for collection of revenue, prevent financial irregularities and control all expenditures in accordance with approved policy and current accepted practice. He is also responsible for co-ordination with Government, Semi-Government and Autonomous Organisations including Banks regarding all financial activities connected with the Revenue and Development Budget of the Board.

SECRETARY (T&T BOARD) :

He is responsible for assisting the Chairman and Members in the execution of functions of the Board. He is to arrange Board Meetings, ensure prior and timely circulation of agenda, working papers and other relevant documents among the Board members, communicate the minutes and resolutions of Board meetings to those concerned and follow up implementation of the decisions of the Board.

He is responsible for timely procurement of furniture, office equipments, stationery articles and other administrative necessities required for the central Office and for acquisition of leased/rented houses both for office and residential accommodation under the administrative control of the Chairman. He is to take steps for proper conduct of court cases and law suits in different courts through appropriate Law Officers, engaged by the Board. He is also to carry out any other function which may from time to time be entrusted to him by the Chairman and the Board for execution.

## **CHAPTER-2**

### **ADMINISTRATION WING**

MANPOWER :

Bangladesh T&T Board is a multifunctional Organization, mainly rendering four different utility services of Telecommunication system in the country as follows :-

- (1) National Telephone System
- (2) International and Overseas Telecommunication System
- (3) National Telegraph Service
- (4) International and Overseas Telegraph Service.

For efficient performance of the above services, Bangladesh T&T Board has to maintain widespread Telecommunication networks and install modern and sophisticated equipments which require huge capital investments.

To operate and maintain these equipments and networks, especially in our country, huge number of people properly trained in the various branches of Telecommunication System and its allied administration have to be employed.

These employees are categorised in different groups for operation and maintenance, details of which are given below :-

A. Number of persons actually employed :

(a) Professional	1,747
(b) Semi-Professional	3,437
(c) Skilled	3,314
(d) Semi-Skilled	2,582
(e) Non-Professional and other categories	6,364
	<hr/>
	17,444

B. Break-up of the personnel and their Employment:

(a) Telegraph Traffic and Mtee. of plants thereof	1,982
(b) Personnel of Acctts and Finance excluding those on Revenue collection and attached with Region/Division	236
(c) Personnel whose services are used for operation and Mtee. of Telephone Systems (Local, inland & Overseas).	15,166

C. Persons for 1,000 Telephones according to :-

(a) Exchange Capacity	$\frac{15,166 \times 1,000}{1,60,000}$	= 94.75
(b) Direct Exchange Lines	$\frac{15,166 \times 1,000}{1,12,000}$	= 134
(c) Exchange capacity including FBI/PABX	$\frac{15,166 \times 1,000}{1,85,500}$	= 182
(d) On D.E.L. + Extension + FBI/PABX lines.	$\frac{15,166 \times 1,000}{1,40,100}$	= 108.25



Personnel :

Classifications :-

- (a) Professional
  - (b) Semi-Professional
  - (c) Skilled
  - (d) Semi-Skilled
  - (e) Non-Professional/Clerical/Ancillary/Auxiliary/Supporting.
- a) Professional : Officers of services of Administration, Finance, Legal, Medicine, Telecom. Engg. of Office of Central Office, Regional Office, Stores, Building, Satellite, Training, C.T.O., I.T.O., Research, Revenue, Divisions, Units having pay scales of Tk. 750/- to Tk. 1470/- and above, and S.S.A.E./S.A.E. Foreman and Chergemen of field units and Workshop.
- b) Semi-Professional : Senior/Junior Accountant, Auditor, Teleprinter Operator, Monitor, Operator, Telegraphist, etc.
- c) Skilled : Telecom. Technician, Wireless Operator, T.C.N., Telegraph Master, Cable Joiner, Motor Driver, Boiler Attendant, Electrician, Building Overseer, Draftsman, Mason, Carpenter, Plumber, Stenographer, Typist, Pharmacist and Compounder, etc.
- d) Semi-Skilled : Wireman, Batteryman, Lineman, Work-Sarker, Mast Lasker, Cleaner, Liftman, Tracer, Duplicating/Amonia Printing Operator, Worker of Workshop, etc.
- e) Non-Professional/ Clerical/Ancillary/ Auxiliary/Supporting. : Admn./Welfare/Asstt. P.N.O./Security Officer/Asstt. Educational & Cultural Officer/H.S.G./L.S.G./Head Asstt./Supdt./P.A./U.D.C./L.D.C./Store-keeper/ Division Store-Keeper/Messenger/Peon/Chowkider/ Sweepser/Boy Peon/Night Guard etc. of Central Office/ Regional Offices/Administrative Units/Divisions, Stores and Trg. Organisation etc. and all other lower grade staff of these offices.

ORGANISATION AND METHOD :

The Organisation and Method Wing of Bangladesh T&T. Board, under- took a number of assignments in the year under review. A few proposals have already been accepted by the Board and others are under consideration. This wing has prepared charts of duties and responsibilities of the staff to be posted for maintenance and operation of Telecommunication link at UPAZILA level. O&M wing is assisting Martial Law Committee on Organisational set-up of Ministries/ Divisions/Departments etc. in connection with Bangladesh T&T Board. Final report on re-organisation is in progress till writing of this report.

Moreover, this wing has under-taken re-editing and updating of Bangladesh T&T Volumes and Manuals which is in progress.

As per decision of the Government, preparation for introduction of computer for aid to the management has been under taken by this wing and necessary proposal submitted to the Post and Telecommunication Division, Ministry of Communications, Government of the People's Republic of Bangladesh.

MANPOWER PLANNING :

With a view to forecast and ensure required manpower with proper training for employment in the Bangladesh T&T Board, Manpower Planning has already prepared a comprehensive plan with the help of an ITU Expert, for the period 1980-85 for all technical staff from the level of Line-man to Asstt. Engineer. The plan incorporated in detail an analysis of the present manpower engaged in Maintenance and Operation as well as Planning and Development activities with a recommendation for yearly requirements in future commensurate with the projected expansion of Telecommunication Service. A complete inventory of manpower at present employed has been undertaken during the year under review and the work is in progress.

WELFARE ACTIVITIES :

In order to give due recognition to their services, Bangladesh T&T Board with its limited resources promotes welfare activities for the members of its staff.

Financial assistance is accorded to all non-gazetted employees of the Board :

- a) To defray the educational expenses of the wards of its employees,
- b) To arrange medical treatment of the employees and their dependents,
- c) To bear the funeral expenses of the deceased employees and their dependants, and
- d) To bear the expenses for carrying the mortal remains wherever it is needed.

Besides the activities mentioned above, the employees and their wards studying in the T&T Educational Institutions are provided with half free studentship.

Moreover, every year sports and other social/cultural functions are arranged for recreation of the employees of the Board.

A statement of expenditure from the Benevolent fund during the year 1982-83 is given in Annexure.

GENERAL EDUCATION :

In addition to running a technical training centre, Bangladesh T&T Board gives cash grants to the educational institutions located at or near different residential colonies for the employees of Bangladesh T&T Board, and their dependents.

Educational and cultural Branch of Bangladesh T&T Board is entrusted with the responsibility of looking after such educational institutions which impart education according to the Curriculum laid down by the Secondary Education Boards and Universities of Bangladesh. A proposal has been submitted to the Government to bring these educational institutions under direct administrative control of Bangladesh T&T Board.

Four High Schools and one Degree College are at present being run by the T&T Board, the expenditure for the constructions of the buildings and their expenditure for this purpose being included in its own budget. These institutions, are managed by a special type of Managing Committees whose Chairman and Members are nominated by the Bangladesh T&T Board. In these institutions the dependents of T&T employees are entitled to half free studentship.

During the year 1982-83, Bangladesh T&T Board, has given cash grants to institutions, details of which are given below :-

<u>Name of the Institutions</u>	<u>Total cash grant given</u>
1. Motijheel T&T High School, Dhaka.	Taka 90,000/-
2. Moghbazar T&T High School, Dhaka.	" 25,000/-
3. T&T Adarsha Uncha Balika Bidyalaya,	" 20,000/-
4. Agrabad T&T High School, Chittagang.	" 25,000/-
5. T&T College, Motijheel, Dhaka.	" 6,50,000/-

The results of candidates appearing from these educational institutions continued to be quite satisfactory.

It is expected that overall performance of these educational institutions will improve if Bangladesh T&T Board is allowed to take over direct administration of these institutions rather than managing through special type of Managing Committees.

GAMES AND SPORTS :

Bangladesh T&T Board has been taking keen interest in Games and Sports simultaneously with cultural activities in order to provide recreation to and raise the morale of its Officers and staff. A separate branch in the Central Office of T&T Board, has been entrusted with the responsibility of coordinating these activities to promote physical and mental well being and develop a sense of fellow feeling and brotherhood amongst its employees.

Annual sports for the year, 1982 were at the first instance held in the respective Regions separately culminating in the 13th Annual Athletic Meet 1982 of Bangladesh T&T Board. There has been considerable improvement in both standard and quality in the Regional as well as Central Athletic meets. The Athletic Meet of 1982-83 was held at T&T Sports Ground, Mohakhali, Dhaka on February 4 and 5, 1983 being inaugurated by the DCMLA and Minister-in-charge, Ministry of Communications, Rear Admiral M. A. Khan, B.N. In all 150 athletes, both male and female, participated in the 22 events of the said Athletic Meet. It is a matter of great pleasure that our young and promising athletes demonstrated spectacular ability in a number of events, as a result of which some of them were invited to participate in the National Athletic Meet in 1982-83. In this connection the Board has decided to give financial grant as an incentive to the athletes obtaining medals in the National Sports Meets.

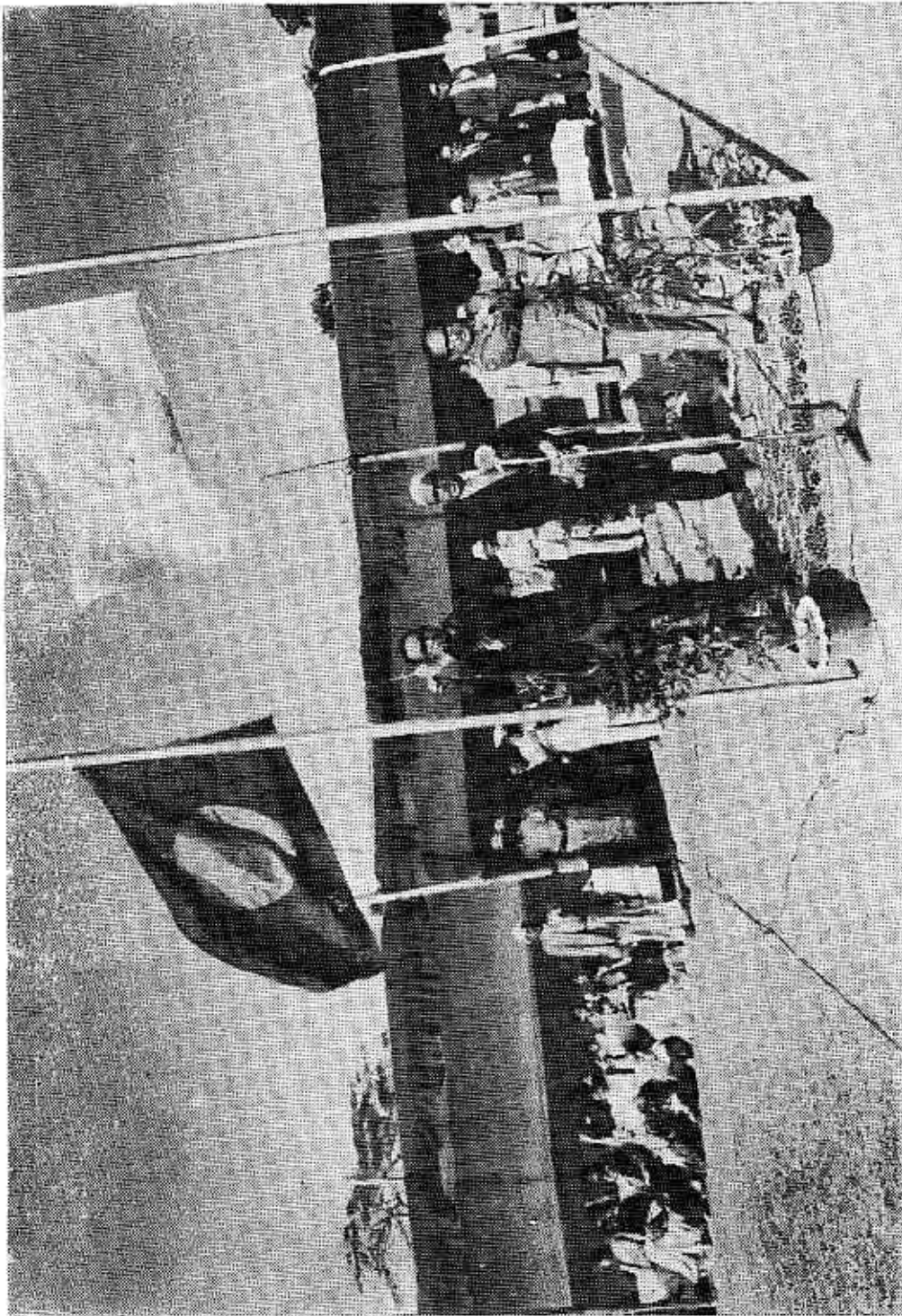
Annual Volley Ball Tournament-82 was held with great zeal and enthusiasm, wherein 7 teams from different Regions participated.

A Central Sports Committee has been formed with five sub-Committees to organise the following tournaments in a be-fitting manner :

1. Foot ball
2. Cricket
3. Volley ball
4. Basket ball
5. Indoor Games

Expenditure incurred for Sports and Games during the year, 1982-83 is as follows :-

1. For holding Regional Sports	Tk. 1,23,000/-
2. For holding Central Sports	" 50,000/-
3. For holding Volley ball	" 3,000/-



D. C. M. L. A, REAR ADMIRAL M. A. KHAN  
and Minister for Communications opening the annual athletic meet 1982-83

RECRUITMENT & TRAINING:

1. Foreign Training :

A total number of 42 officers and staff were sent abroad during the period under review for training in various disciplines of Telecommunication. Among them, 12 officers were of the rank of Director, 21 of the rank of Divisional Engineer or its equivalent, 7 of the rank of Sub-Divisional Engineers, Assistant Engineers and its equivalent and 2 technical staff. The trainees attended different courses in Singapore, Malaysia, Thailand, South Korea, Japan, India, United Kingdom, Federal Republic of Germany, Belgium and Sweden.

The field of training covered a wide range of subjects, including Frequency Management and Monitoring Procedure, Telecom. Technology, Air-Conditioning and Power Plant, Telephone Switching and Network Planning, Pulse Code Modulation system, Co-axial Cable system, Fundamentals of Electronic Exchanges, Basic Telegraphy, Telephone Switching Engineering, International Traffic Service and also on the installation, operation and maintenance of newly installed NWD/ITX (National and International Trunk Exchanges). All these training courses covered a total of 127 man-months.

2. Special Local Training :

During the period, 126 Officers attended special courses in different local training centres. Of them, 6 officers were of the rank of Member and General Manager, 38 of Directors, 47 of Divisional Engineers and equivalent, 26 of Assistant Engineers and Accounts Officers and equivalent and the remaining 9 staff members.

2.2. The subjects of these various training courses were system Analysis, Material Management, Modern Methods of Management, Information Management, Organisation, Method and Job Evaluation, National Economic Management, Financial Management, Store Keeping and Stock Control, Project Management, Personnel Management, Budgetary Control, Accounting Management, Administration and Management, Methods of Management, Secretarial Management, etc. These courses also included instructions on Discipline and Appeal Rules, Disciplinary cases, Administrative Communications, and Security and Counter-Sabotage precautions. Besides, two officers, one of the rank of Member and the other of Director, also attended regular course in the Administrative Staff College.

2.3. Most of the local training sessions were arranged at the Telecom. Training Centre, Dhaka in close co-operation with Bangladesh Management Development Centre although the officers and staff also attended courses at the Administrative Staff College, NIS Training School, Civil Officers Training Academy, Staff Training Institute, Institute of Cost Management and Accounts, Report Bangladesh and Bangladesh Management Development Centre.

2.4. All these trainings together constituted a total of 71 man-months.

3. Seminar and Meeting :

3.1. Training Section also arranged, during the year under review attendance of the Officers of the Board in an International Seminar and an international meeting. The seminar on Telecom. Development in Japan extended over a period of two weeks, was attended by the Chairman and the Chief of Planning attached to the P&T Division. The Board also sent two of its Directors and one Divisional Engineer to represent at the two week Telecom. Training Management Meeting 1983, held in Thailand.

4. Recruitment :

4.1. The final draft Recruitment Rules for the Officers and staff consolidated together has been completed and submitted to the Ministry.

4.2. During the year under review an officer of the rank of Director, (Director, Public Relations), 313 Sub-Assistant Engineers and 76 Telecom. Mechanics were recruited. A case for recruitment of 25 Assistant Divisional Engineers was also initiated during the period which is being processed.

5. Training Activities During '1982-83.

A number of regular as well as refresher training courses were conducted at the Training Centres and Sub-Centres during the year under review. The Categories of Staff trained in their respective courses were Assistant Divisional Engineer, Sub-Assistant Engineer, Jr. Accountant, Traffic Supervisors, Telecom. Mechanics, Wireless Telegraphists, Wireless Operators, Cable Jointers, Teleprinter Assistant, Teleprinter Operators, Telephone Operators, Telephone Monitors, Cable Jointers, Line Staff etc. Over and above, a number of seminars on Modern Telecommunication Techniques were held from time to time under the auspices of the UNDP/ITU, Dhaka.

Apart from the above, training in selected topics was also imparted to the personnel of other Govt. and Sub-Govt. Organizations, such as Bangladesh Navy, Army, Airforce, Ministry of Labour and Manpower (Youth Development Project), Bangladesh Shipping Corporation, etc. in accordance with Govt. orders and decisions.

Training imparted during 1982-83 in man-month is briefly summarized as follows and the details of which are enclosed in Annexure.

(4) <u>TTC, Dhaka,</u>	<u>No. of Trainees Trained.</u>	<u>No. of man-month</u>
Regular courses	646	3,021
Refresher courses	150	258
Special Courses	113	525
Advanced Technical & Management Courses conducted by ITU Short-term experts, S.M.D.C., etc.	211	123
<b>Total:</b>	<b>1,120</b>	<b>3,927</b>

(8) <u>TTC, Khulna</u>	<u>No. of Trainees Trained.</u>	<u>No. of man-month</u>
Regular Courses	194	1,474
Special Courses	68	281
<b>Total:</b>	<b>262</b>	<b>1,695</b>

(C) 5 (five) T.T.Cs, at Dhaka, Rajshahi, Jessore, Barisal, & Chittagong.

	<u>No. of Trainees Trained.</u>	<u>No. of man-month.</u>
Regular Courses	358	988
Special Courses	126	504
<b>Total:</b>	<b>484</b>	<b>1,492</b>
<b>Grand Total of A+B+C =</b>	<b>1,866</b>	<b>7,114</b>

OTHER ACTIVITIES.

As per commitment with ITU/UNDP, Bangladesh Telegraph and Telephone Board, has introduced CODEVTEL and Instructor Training programme on priority basis to improve the quality of local training. These activities of development and updating of courses in Telecommunication and instructor's training are carried out in the Telecentre, Dhaka (TTC, Dhaka) which is an UNDP/ITU aided project.

LOCAL SEMINARS.

The Telecom. Training Centre, Dhaka is acting as an interim Staff College. In such, apart from training of A.D.E.S, Seminars on advanced Technology and Management courses are also organized here. Details will be found in the Annexure enclosed.



PUBLIC RELATIONS.

During the year, apart from its normal activities, the Public Relations branch prepared manuscripts for printing and publication of Telephone Directory'1983, and published 70,000 Bangla Telephone Directory for Dhaka, 25,000 for Chittagong, 15,000 for Khulna and 10,000 for Rajshahi Telecom. Regions. This branch also printed and published 70,000 English Telephone Directory-83 for Dhaka Metropolitan City and 5,000 internal Telephone Directory for Departmental use. Besides, the Telephone Directory for V.I.P.'s red Telephones and PABX Telephone Directory for Bangladesh Secretariats were also printed and published by this branch.

A special drive was made by Public Relations Wing to create awareness among the public in general and the esteemed subscribers in particular about the policy matters, proper use of telephone equipments, maintenance and development programmes, billing and revenue earning and achievements of the Bangladesh T&T Board through press releases, advertisements etc. Telephone fortnight was also observed in Dhaka highlighting the overall performance of T&T Board through special supplements in the Newspapers as well as Radio and TV Talks at the initiative of this wing. Clarifications were also issued from time to time to contradict any news contrary to facts or creating confusion in public mind.

## **CHAPTER-3**

### **PLANNING AND DEVELOPMENT WING**

PLANNING

General :

With a view to expand the telecom facilities, a number of new plans and projects were prepared during the course of the financial year under review. The activities of the planning branch of the Board were especially related to the programmes of second five year plan period.

Second Five Year Plan :

The financial year 1979-80 had been considered as the base year for the preparation of a judicious plan for development activities of the Board for the second five year plan, starting from July 1980. Within the overall framework as enunciated in Government policy and to ensure balanced growth of telecommunication in the country, efforts were made to prepare a pragmatic plan. Special emphasis was given to clear the back-log of pending demands for telephones and unusual congestion in the long distance circuits.

Telephone:

The original plan provided an addition of 200,000 new telephones during the five years of the plan period. However, it was apprehended that due to financial constraints, the target will have to be limited to 80,000 only.

The telephone density in the rural areas is far below the national level which itself is very poor. The rural telephones constitute only 8.41 percent of the national capacity and the density is only 0.1 compared to 12.2 in the urban areas per 1000 population. In view of the above situation and Government policy to provide an infrastructure for future development of the generally agrarian rural countryside, the planning branch has remodelled its programme and prepared plans to cover the 400 thase units with 100-lines rural auto exchanges or 30-lines magneto exchanges and to connect all unions with long distance telephones.

The following targets had been re-fixed for the second five year plan in the telephone side, as shown in the table.

Area	Type of Exchange	Additional Capacity	Replacement of Manual by Automatic	Percentage
Urban	Automatic	60,000	2,000	80
	Manual	2,000	-	
Rural	Automatic	10,000	-	20
	Manual	4,000	-	

It was also planned to cover all the 20 Districts, 67 Sub-Divisions and 425 Thanas head-quarters by automatic telephone systems. The programme also included extension of telephone facilities to additional 1620 Union Councils out of a total of 4,600 and 500 rural growth centres out of a total of 1974 either by automatic or manual exchanges or by public call offices (PCOs). Besides the above, 2000 PCOs in rural areas and a good number of coin-box telephones in big urban areas were also planned to be installed during the plan period. A total of 16,000 additional lines of private Branch Exchanges were also planned for installation.

In order to improve the quantity and quality of telephone services in the capital city of Dhaka it has been decided to install an electronic exchange with a capacity of 10,000 line units.

The planning unit also finalised the programme of installing Nation-wide Dialling System in the country. The initial phase of the project included 1 Main, 3 District and 39 Terminal Exchanges. The final phase of the project would include apart from the Main Exchange, 6 District and 44 Sub-District Exchanges and all other automatic exchanges of the country would be Terminal Exchanges. The system would be hooked to the international telecommunication system through the international Trunk Exchange of 500 lines capacity to be located in Dhaka. This Exchange would be of digital type offering semi-automatic and fully automatic subscribers direct dialling facility (ISD facilities).

#### TELEGRAPHS :

The existing telegraph service, like the telephone, is also highly inadequate. Apart from a few hundreds of combined Telegraph Offices manned and managed by Postal Department, there were nearly 150 Telegraph Offices run by the Board.

Plans have been made to add another 50 telegraph offices in the urban and 150 in the rural areas. The plan also included additional 1000 lines of Telex, Gestex during the plan period.

With increase of overseas telephone and telegraph traffic, plans have also been made to add more circuits. The Satellite Earth Station at Bethunia would be expanded and additional channels provided to establish communication with more countries. With the launching of the new Satellite, INTELSAT-V over the Indian Ocean, necessary feed modifications would be incorporated. In addition, one Standard-B Type Earth Station at Kail-Koir near Dhaka with a capacity of 24 channels has since been installed, not only to facilitate communication with some additional countries on SCPC system where standard-A type stations were not in existence but also to act as standby in case of any emergency.

In addition to more telephone circuits, plans have also been prepared to establish 20 additional overseas telegraph circuits as well as 25 Telex circuits to cater to the needs of the increasing traffic volume.

Plans were also made for establishment of an International Telex Exchange with an initial capacity of 200 lines, extendable to 500 for International traffic.

#### TRAINING :

In view of the need for an adequate number of sufficiently trained personnel for efficient maintenance of the sophisticated telegraph and telephone equipments, the available facilities were deemed not sufficient. The existing training centres have limited capacity and are not in a position to fulfill the training requirements, especially the void created by the exodus of the non-local personnel.

During the second five year plan, the existing centres would be expanded and two more centres established at Bogra and Chittagong to improve the situation. In addition, one Staff College at Joydebpur near Dhaka would be established to train the officers. Regular and refresher courses will be offered at the Staff College. Extended facilities for research and development would also be provided. To impart large scale short-term-training to the lower level personnel, plans have been prepared to establish more training sub-centres in different parts of the country.

#### TELECOMMUNICATION FACTORIES :

The factories manufacturing telephone exchange equipments, telephone sets, Branch Exchanges and telecon cables, are also going to be expanded modernized and balanced to meet the increasing demand of the Board. Plans have also been drawn up to manufacture spares and components of EMD switches, electronic components, etc. for local and foreign consumption.

#### ALLOCATION OF FUND :

The Second Five Year Plan (SFYP) as prepared consisted of 24 on-going and 25 new projects. The fund requirements as per proposal amounted to Tk. 1015.66 Crores which was forwarded to the Planning Commission. However, commitment of fund allotment by the Commission, was only to the tune of Tk. 543.82 Crores which necessitated re-scheduling and re-adjustment of the programmes.

MAJOR PROGRAMMES :

The major programmes as prepared for the STYP are given below :

- (i) Expansion of local telephone (Urban and Rural) by 100,000 line units.
- (ii) Expansion and provision of Microwave System with additional bearer and channel equipments including UHF/VHF Systems by 15,000 channels.
- (iii) Installation of computer system for Management information system and Accounting Systems.
- (iv) Establishment of Satellite-B type earth station.
- (v) Expansion of training and research facilities.
- (vi) Expansion, balance and modernisation of Telecom Factories.
- (vii) Establishment of Administrative Bldg.
- (viii) Feasibility study and Establishment of Rural Telecom. facilities in Bangladesh.

IMPLEMENTATION PROGRAMME FOR THE YEAR :

A number of programmes for detailed planning have been taken up in the year under review. Plans are ready to execute 26 projects in revised Annual Development Programme (ADP) of which 18 were included in the original ADP. Out of these 26 projects, 12 have already been finally approved, 2 approved at the level of Project Evaluation Committee and the remaining 12 have not yet been accorded approval.

PLANNING OF EXCHANGES :

Detailed works for Planning of exchange equipments and Cable networks have been taken in hand for commissioning partly or fully the following exchanges during the coming year :-

- (i) Chittagong Central - 2000, (ii) Chittagong Agrabad - 1000,
- (iii) Moghbazar - 3000 + 5000, (iv) NVD (DA,CG,KN,BOO) - 75,
- (v) Tangail - 1000, (vi) Kalurghat - 600, (vii) Manikgonj - 400,
- (viii) Mirkadia - 700, (ix) Barguna - 200, (x) Metrokona - 400,
- (xi) Chandpur - 600, (xii) ITX - 500, (xiii) Chakbazar - 2000,
- (xiv) Zinzira - 600, (xv) Saver - 400, (xvi) Sheristpur - 200,
- (xvii) Khagrachari - 200, (xviii) Naapara - 200, (xix) Rajbari - 400,
- (xx) Bhole - 400, (xxi) Pirojpur - 400, (xxii) Noagson - 400,
- (xxiii) Moulvi Bazar - (400-700), (xxiv) Kishoregonj - 400, (xxv) Natore - 400,
- (xxvi) Chapai Mowabgonj - 400, (xxvii) Satkhira - 400, (xxviii) Chuadanga - 400,
- (xxix) Lalmanirhat - 400, (xxx) Patiya - 400.

DEVELOPMENT.

PROCUREMENT OF EQUIPMENT AND PLANT :

In view of the comparatively meagre industrial base within the country and in the face of rapid technological development in the field of telecommunication abroad, the Board was compelled to continue its dependence on the plants and equipments not locally manufactured. These were mainly in the sectors other than telephone exchange equipments and cables which the country produced in its own factories.

FOREIGN PROCUREMENT :

During the year, orders for import of plants and equipments from abroad worth approximately Taka 750.00 lakhs have been placed which included automatic number identification equipments for International Subscriber Dialling, Equipment for expansion of Dhaka Telex exchange by 360 lines and 70 Magnate Telephone Exchanges and Telephone sets and cable jointing and cable terminating materials. In addition, orders for equipments worth approximately Tk. 140.00 millions for replacement of Dhaka-Chittagong Microwave by an 1800 channel system and interface equipments for 21 different stations for Nation Wide Dialling Scheme, have been finalised.

LOCAL PROCUREMENT :

Orders for supply of 8,500 lines of new automatic exchange equipments and 2,50,000 conductor kilometers of cable have been placed with the Telephone Shilpa Sangstha and Bangladesh Cable Shilpa respectively. In addition, purchase order has been issued to Messrs Bangladesh Cable Shilpa Ltd., Khulna for supply of 2,000 kilometers of dropwire, 300,000 lbs of G.I. wire and 250 kilometers of Jumper wire.

TELEPHONE EXCHANGES :

During the year, a number of new automatic and manual exchanges were installed, increasing the installed capacity of the exchanges by 14,560 which meant a growth of 17.5 % in installed capacity.

AUTOMATIC EXCHANGES:

In the urban areas the following exchanges, with the equipped capacities mentioned in line units along side, were installed :

Milkhet, Dhaka	.....	10,000 lines.
Saidpur	.....	600 "
Mongla	.....	400 "
Kadripur	.....	400 "

Ragerhat	.....	400	lines.
Patuakhali	.....	600	" (Replacing 400 lines GDR).
Neopara, Jessore	.....	200	"
Jamalpur	.....	600	"
Bhariatpur	.....	200	"

In addition, the following automatic exchanges are under installation :-

Moghbazar, Dhaka	.....	3,000	"
Sreemangul, Sylhet	.....	400	"
Hatiya	.....	200	"
Sarash	.....	200	"
Chittagong, Central	.....	2,000	" additional
" Agrabad	.....	1,000	" "
Chapni Masumganj	.....	400	"
Chandkaga	.....	400	"

MANUAL EXCHANGES :

In rural areas especially in the newly formed Upazilas, 76 new manual exchanges with a total installed capacity of 1953 lines have been installed. The places with the individual capacities of these exchanges are as follows :-

- (a) C.B. EXCHANGES — Mirzapur ( 100 lines to 200 lines ), Chatka ( 100 lines to 200 lines ), Sandwip ( 100 lines ).
- (b) MAGNETO EXCHANGES — 76 new 30 lines magneto exchanges were installed at the following places :- Singair, Shibaleya, Sirajdikhan, Rajoin, Mendua, Karinganj, Baitaghata, Salika, Putia, Bagmara, Baniakkail, Gharaghat, Khanama, Pirgacha, Raiganj, Langadu, Barkhali, Mativanga, Ali Kadam, Balaganj, Rajnagar, Mahadevapur, Kathalia, Paikgacha, Araikhan, Gokaria, Astantagram, Melandak, Tanore, Mandu, Lalpur, Gomastapur, Bagtipara, Masumganj, Karipur, Mitapurur, Manikchari, Bilalchari, Rowanchari, Gowinghat, Lakhal, Ballakandi, Dumeria, Sreapur, Manpara, Gelaokipa, Dohar, Pappanaj, Daulatpur, Nikli, Madan, Kalamanda, Bhaspur, Mohampur, Chorghat, Kharul, Bama, Kamsighat, Sonful, Kanjira, Terakheda, Tala, Tajimuddin, Barkatta, Fulbaria, Mokha, Saliadangi, Bholahat, Sapahar, Debbhatta, Nazirpur, Mirnaganj, Taherpur, Dharmapasa, Atapara and Jusi.



NUMBER OF EXCHANGES :

The total number of exchanges at present in operation are 506 of which 60 are automatic and 446 manual. The regionwise break-up of exchanges is given below :-

Region	Automatic	C.B.	Magneto	Total
D.T.R.	18	15	74	107
C.T.R.	17	35	99	151
L.T.R.	15	15	104	134
R.T.R.	12	16	88	116
Total	60	81	365	506

TOTAL INSTALLED CAPACITY :

The total installed capacity of the exchanges is 162,156 of which the capacity of Auto Exchanges is 1,40,560. The growth in the exchanges capacities is noted below :-

INSTALLED CAPACITY :

Year	Automatic	Manual	Total	Growth %
1981-82	124,520	19,643	144,163	
1982-83	140,560	21,996	162,156	8.9 %

The increase in the number of manual exchanges from 358 to 446 during the year is due mainly to the increased demand of additional telecommunication facilities in the newly formed Upazilas.

STATUS OF IMPORTANT PROJECTS :

During the year, the following projects were completed :-

- (1) Establishment of standard 'B' Satellite Earth Station at Kalinagar.
- (2) Telecommunication facilities in Chittagong Hill Tracts.
- (3) V.H.F. Wireless POC's in the rural areas of Bangladesh.

TELECOMMUNICATION FACILITIES IN UPAZILAS

During the year, 310 Thanas were upgraded by the Government as Upazilas of which 95 had no Telephone Exchange. With the existing available resources, 50 lines new magnets exchanges have been installed in 176 thanas and 20 exchanges expanded. For providing Telephone facilities in other Upazilas, exchange equipments have been ordered. It has been decided to install new automatic exchanges in 54 Upazilas. 9 of these are covered by existing projects of the T&T Board while 45 exchanges will be installed under the Upazila project. The names of the Upazilas where automatic exchanges will be installed are given below :-

Mirzapur, Daulatpur (Lakshan), Saidderbazar, Muktagacha, Bajitpur, Hathhasari, Lohgona, Besharhat, Saipur, Chagalmaiye, Hazigonj, Companigonj, Fakirhat, Chattak, Ankhena, Mathatich, Gopaldi, Jhikargacha, Husebed, Chatail, Barabkunda, Chiranga, Eidgah, Moheshkheli, Kalnura, Shaistaganj, Talora, Parbatipur, Paulharin, Uliapara, Shepupara, Bhamaramara, Alandanga, Taraganis, Cher-Alexander, Ukhyia, Daudkandi, Akhaura, Fenchugonj, Biswanth, Sedergonj, Chatohor, Shajedpur, Baluchi, Kasaba.

For improvement of trunk telephone facility, 48 new circuits which have been approved are at different stages of implementation. In addition, 45 trunk circuits are being renewed to improve their performance.

For permanent and reliable trunking facility from Upazilas, 81 GHF links are proposed to be installed in phases.

NATION WIDE TRUNK DIALLING & INTERNATIONAL TRUNK EXCHANGE :

4 new automatic trunk switching centres at Dhaka, Chittagong, Khulna and Bogra, each with capacities of 4112, 1484, 1137 & 1224 terminations respectively have been installed, which will be connected to all the automatic exchanges in Bangladesh in phases under a nationwide dialling scheme. In the 1st phase, the local networks of Dhaka, Chittagong, Khulna and Bogra have been connected to the system by November, 1983. In second phase the following automatic exchanges will be connected to the system by the end of 1984, for which interface equipments have already been ordered :-

Jessore, Rangpur, Sylhet, Comilla, Cox'sbazar, Pabna, Rajshahi, Kushtia, Dinajpur, Barisal, Faridpur, Jamalpur, Nymensingh, Mairjdee, Narayanganj, Patuakhali, Tangail, Moulvibazar, Marsingdi, Thakurgaon, and Bagherhat.

For International traffic, an International Trunk Exchange at Dhaka with a capacity of 345 lines termination is being installed and will be completed by Nov. '83. Repeat CO's are also being installed at Chittagong, Khulna and Sylhet. This will provide Semi-Automatic facility for International Traffic to all the Telephone subscribers of Bangladesh. In addition, 3,000 subscribers of Dhaka 1,000 of Chittagong and 500 each of Sylhet and Khulna will be provided with the facility of International subscriber dialling. This facility will be available in Dhaka within December, 1983 and at other places by the middle of 1984.

REPLACEMENT OF DHAKA-CHITTAGONG MICROWAVE SYSTEM :

To cater for the increased traffic demand due to the introduction of nationwide trunk dialling scheme, the old 960 Microwave system between Dhaka and Chittagong is being replaced by an 1800 channel analogue transmission system with 2 + 1 M.F. The contract agreement for equipments is being finalised and the system will be ready for use by the end of 1984.

T. S. C. PROJECT :

(i) Up to 30th June, 1983, the construction work of the Admn. Building reached the plinth level at a cost of Tk. 2,61,78,000/-. Further work was suspended due to paucity of fund.

(ii) The Project work of the Joydebpur T.S.C. is in progress now. Up to 30th June, 1983, the expenditure incurred stood at Tk. 1,90,22,097/-. The progress was hampered due to various anomalies amongst the consultant, the Contractor and the Department. Ultimately these were settled by arbitration. A new Consultant and another Contractor have been engaged by the Board. The work is in progress now but due to fund constraints, the progress is not satisfactory.

(iii) The Project work of T.T.C., Begra, PHASE-I, is in the planning stage. The consultant has been engaged and at present, he is preparing the Tender documents which he hopes to submit soon.

LIST OF THE WORKS CARRIED OUT INCLUDING PROGRESS  
DURING THE YEAR 1982-83 UNDER BUILDING DIRECTORATE

FUNCTIONAL BUILDING .

Sl.No.	Name of works	Completed	% completed for works under progress June, '83.	Remarks
1	2	3	4	5
1.	Chandanga Exchange Building	100 %	-	
2.	Baraha Exchange Building	100 %	.	
3.	Ragura Exchange building		95 %	Some payment is left.
4.	Satkhira Exchange Building (Renovation works)		90 %	Work physically completed excepting FDB connection.
5.	NVD Cum Bagra-II Exchange Building.	-	90 %	
6.	Auxiliary Building at Nilkhet Exchange compound.	-	-	Work order being issued.
7.	Barail Exchange Building including guard room, boundary wall etc.	-	-	-do-
8.	Chandpur Exchange Building	-	-	Tender being floated.
9.	Barisal Telegraph Office Building.	-	-	-do-

RESIDENTIAL BUILDING :

1.	550 Sft quarter at Bagherhat	100 %	-	
2.	550 Sft quarter at Brahmanbaria	100 %	-	
3.	550 Sft quarter at Jamalpur	100 %	-	
4.	Remaining works 854 Sft Qtr. at Barisal.	100 %	-	
5.	550 Sft qtr. at Madaripur	-	95%	Final payment is due.
6.	Electrification of 10 units low cost house at Noghbarar.		90 %	FDB Connection is due. Progress is held up due to presence of unauthorized occupants.

1	2	3	4	5
7.	Electrification of low cost house at Mehakhali.	-	60 %	PDB Connection is due. Progress is held up due to presence of unauthorised occupants.
8.	3 Unit F-type Qtr. at Rangpur (Vertical Expansion).	-	5 %	Work just started.
9.	2 X 550 Sft. Qtr. at Pabna.	-	5 %	-do-
10.	2 X 550 Sft. Qtr. at Dinajpur	-	5 %	-do-
11.	1 X 550 Sft. Qtr. at Faridpur	-	-	Work order being issued.
12.	1 X 550 Sft. Qtr. at Patuakhali	-	-	-do-
13.	Electrification of Administrative Building, Godown, Compound lighting etc. at Tongi Store Compound.	-	15 %	
14.	Vehicle shed at Telegraph Workshop at Tejgaon, Dhaka.	-	20 %	
15.	Sanitary work of Guard room at Tongi Store depot, Dhaka.	-	5 %	
16.	Covering the roof of Maghbazar Exchange Building.	-	5 %	
17.	Boundary Wall, Engine room etc. at Chapai Nawabganj.	-	-	Work order is issued.
18.	Boundary Wall, Engine room etc. at Jamalpur.	-	-	-do-
19.	Boundary Wall, Engine room etc. at Madaripur.	-	-	-do-

OTHERS NIG, MONK 1

1	2	3	4	5
1.	Construction of Boundary and security wall at Tongi Store depot, Dhaka.	100 %	-	
2.	Earth filling & Construction of security wall approach road at Milknet Exchange Compound, Dhaka.	100 %	-	
3.	Construction of vehicle garraze at Agrabad Exchange Compound, Chittagong.	100 %	-	
4.	Remaining works of store godown at store depot Chittagong.	100 %	-	
5.	Construction of Boundary Wall at Chandpur.	100 %	-	
6.	Sanitation, Water supply & drainage facilities at T&T Colony, Kushtia.	100 %	-	
7.	Boundary Wall around Microwave Exchange Compound at Kushtia.	100 %	-	
8.	Earth filling work at Mirshatia.	100 %	-	
9.	Construction of Boundary wall at Kalurghat Chittagong.	-	85 %	Work being completed in July'83.
10.	Boundary fencing at Labanchara, at Khulna.	-	35 %	Work held up due to land dispute.
11.	Boundary wall, Engine room etc., at Bagherhat.	-	90 %	
12.	Remaining works of Administrative Building Tongi store depot.	-	2 %	Work just started.

## **CHAPTER 4**

**MAINTENANCE AND OPERATION WING**

MAINTENANCE AND OPERATION WING AND ITS ACTIVITIES.

The responsibility of maintaining all the assets of T&T Board, and efficient operations of Telecommunication services both inside and outside the country are vested in the maintenance and operation wing. Member (M&O), is the head of this wing who is appointed directly by the Govt. to look after the maintenance and operational affairs of the T&T Board, and the interest of the Govt.

The (M&O), wing of the Bangladesh T&T Board consists of five maintenance regions and two directorates for continuous supervision and operation of Telecom. services Provided for public users to the best of the efficiency and to mitigate all complaints and difficulties faced by the users in respect of Telecom Services. Regions and directorates comprising the (M&O), wing are :

- (1) Dhaka Telecom. Region,  
( Dhaka, Mymensingh, Tangail & Jamalpur Revenue districts )
- (2) Chittagong Telecom. Region,  
( Chittagong, Chittagong Hill Tracts Bandarban, Noakhali, Coxilla & Sylhet Revenue Districts.).
- (3) Rajshahi Telecom. Region,  
( Rajshahi, Pabna, Dinajpur, Rangpur & Bogra Revenue District ).
- (4) Khulna Telecom. Region,  
( Khulna, Jessore, Faridpur, Kushtia, Barisal & Patankhali, Revenue districts.).
- (5) Long Distance Telecom. Region,  
( Long Distance Communication all over the country ).
- (6) Directorate for International affairs.
- (7) Directorate for Maintenance and operation.

Besides these three more Directors and three Divisional Engineers are also working directly under the administrative control of Member (M&O), who are engaged to least the different field problems and to bring its to the notice of the Member (M&O) expeditiously for further processing and advice. These are :-

- (1) Director Procurement,
- (2) Director Stores & Workshop,
- (3) Director Satellite Communication,
- (4) Divisional Engineer Exchange, Acceptance, Test,
- (5) Divisional Engineer Cable Acceptance, Test.
- (6) Divisional Engineer Air-Conditions.



Each maintenance region is headed by a General Manager and he is assisted by a number of Directors, Deputy Directors, Divisional Engineer and other field officers and maintenance Staff who are to take care of all TET installations within the region and maintaining efficient services to satisfaction of the public.

Each Directorate is headed by a Director and is assisted by a number of Deputy Directors, Divisional Engineers, Assistant Engineers and Assistant Directors to discharge his duty. These Directorates exercise Supervisory functions over the maintenance Regions and Co-Ordinate among the regions in all matters of Telecommunication on behalf of the Member (MSO). In addition to these each Directorate is also to make necessary arrangements for the replacement repair and reuse of assets to meet the requirements of the field and to arrange spare parts & Stores for maintenance purpose.

The maintenance and operation wing headed by Member (MSO), and supported by the Directorates and regional field units is thus responsible for the upkeep maintenance of all TET assets and rendering efficient service for public and Govt. for smooth disposal of traffic.

MAINTENANCE AND OPERATION REPORT FOR 1982-83

A. GENERAL :

During the year 1982-83 the T&T Board tried to maintain the system for both inland and overseas telecommunication up to the satisfaction of its subscribers through active co-operation and team work between the employees and the management. The integrated efforts helped in providing more reliable and efficient services to the general Public.

During the period, comparatively more efforts were directed towards improvement of telecom. Services in the rural areas. In addition to the installation of some new and expansion of the existing ones for improvement of Telecom. Services, thorough overhauling of some existing and replacement of the outlived exchanges were also undertaken.

However a number of technical and financial constraints like frequent disruption of underground cables by other developing agencies, un-stable power supply, frequent theft of copper and other wires from the physical lines passing through remote areas, rapid growth of high traffic volumes, shortage of trained personnel to cope with the development activities and limited resources have restricted attainment of the desired level of efficiency and reliability of services. The climatic condition of this area especially heavy rainfall in the summer is also a hindrance in maintaining services to the utmost satisfaction.

B. TELEPHONE :

Exchanges :

Considerable importance is given for opening of new exchanges in rural areas. The following table shows the region-wise numbers of automatic and Manual exchanges for the year under review as compared with the previous year. In total, 89 exchanges were opened in the reviewing year, 6 (six) Automatic and 83 Manual exchanges. All the Manual exchanges were opened in rural areas. However the urban areas were also not neglected. One 10,000 line Automatic Telephone exchange at Nilkhet/Dhaka was commissioned during the period. It may be mentioned that it is the first time in Bangladesh that one 10,000 line Exchange has been opened at a time. Gulshan Exchange in Dhaka city has been expanded 2,000 lines. Moreover, Auto exchanges were opened at Jamalpur with 600, Saidpur with 600, Sagerhat with 400, Mongla with 400 and Rampars with 200 lines.

Region	Year	Total Number of Exchange		
		Automatic	Manual	Total
DTR.	1981-82	17	65	82
	1982-83	18	86	104
CTR.	1981-82	17	106	133
	1982-83	17	134	151
KTR.	1981-82	11	98	109
	1982-83	14	120	134
RTR.	1981-82	10	79	89
	1982-83	12	101	113
TOTAL	1981-82	55	358	413
	1982-83	61	441	502

39 36  
 29 39  
 33 38  
 30 32  
 -----  
 62 35  
 30 31  
 31 31  
 93

EQUIPPED CAPACITY :

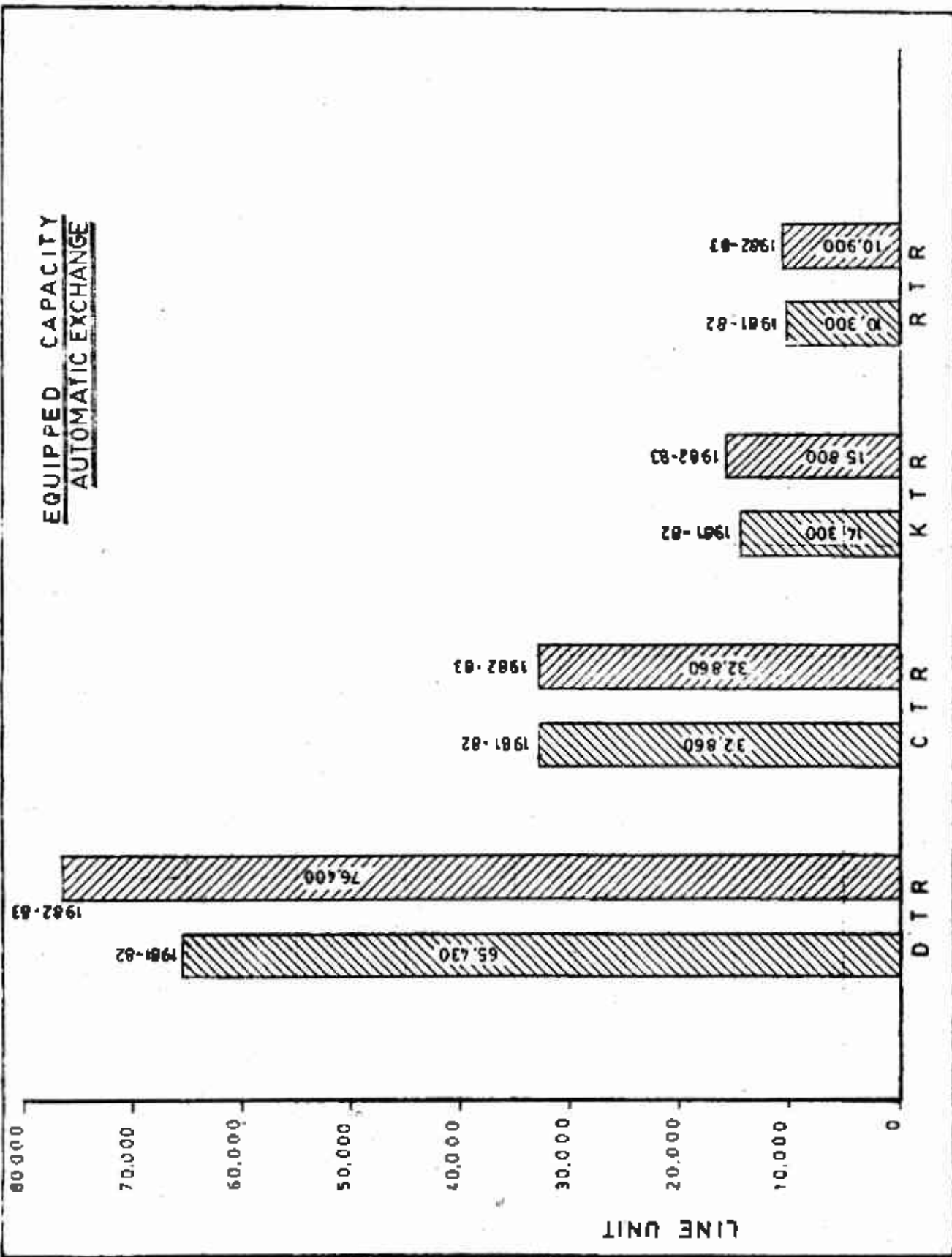
The total equipped capacity of different types of exchanges increase by 11.14% from 141859 to 157552. The following table shows the regionwise equipped capacity of Automatic and Manual Exchanges of the year under review as compared to the previous year.

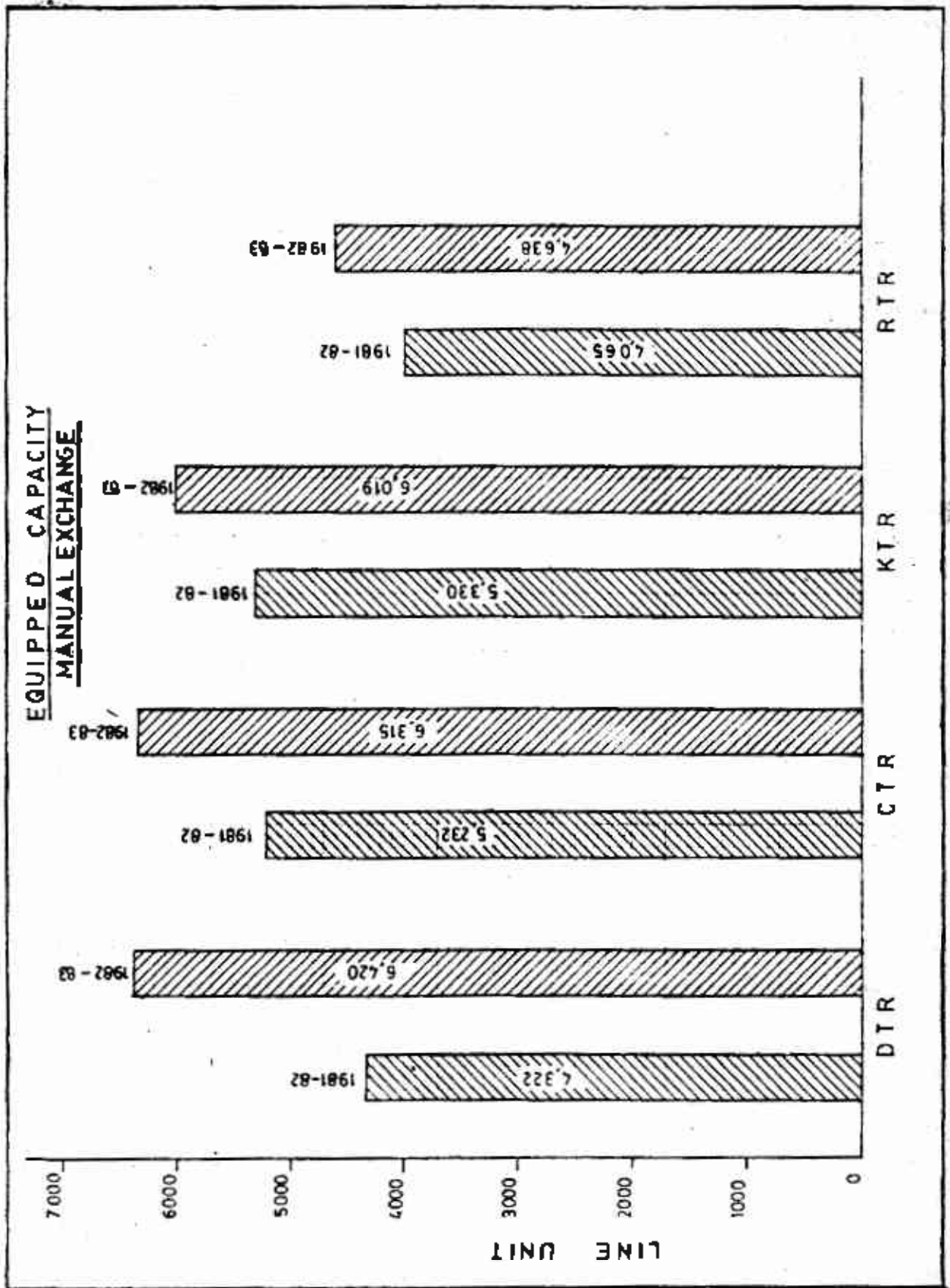
Region	Year	Equipped Capacity		Total
		Automatic	Manual (CB, & MAG)	
DTR.	1981-82	65,430	4,322	69,752
	1982-83	76,400	6,420	81,020
CTR.	1981-82	52,860	5,232	58,092
	1982-83	52,860	6,315	59,175
KTR.	1981-82	14,300	5,330	19,630
	1982-83	15,800	6,019	21,819
RTR.	1981-82	10,300	4,065	14,365
	1982-83	10,900	4,638	15,538
TOTAL	1981-82	1,22,890	18,969	1,41,859
	1982-83	1,35,960	21,592	1,57,552

Main Working Connections :

The bulk of the activities of the Board was concerned with the telephone system, the revenue being principally earned from the Telephone Subscribers. The regionwise breakup of main working connections existing in the reviewing year as compared to that of the previous year are given in the following table. The main working connections indicate a substantial growth of 12.99%

EQUIPPED CAPACITY  
AUTOMATIC EXCHANGE





REGIONS :

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YEAR	DTR	CTR	KTR	RTR	TOTAL	PERCENTAGE GROWTH
1981-82	57493	26643	11783	10675	106594	
1982-83	65434	30085	12888	11576	119983	12.55 %

PENDING DEMAND :

The demand for Telephone connections continued to remain high. With the new connections as high as 12.55 percent during the year the demand has slightly decreased as compared with that of the previous year, but still the number was as high as 31542. The following table shows the pending demand for Telephone connections of the reviewing year and the previous year. The pending demand decreased by 8.37%.

YEAR	TYPE OF EXCHANGE	DTR	CTR	KTR	RTR	TOTAL	PERCENTAGE
1981-82	Automatic	28345	2487	398	133	31,563	
	Manual	1567	586	578	129	2,860	
<b>TOTAL</b>		30,112	3,073	976	262	34,423	- 8.37%
1982-83	Automatic	26,384	2,056	249	236	28,825	
	Manual	1,010	665	876	166	2,717	
<b>TOTAL</b>		27,294	2,721	1,125	402	31,542	- 8.39%

B PRIVATE BRANCH EXCHANGES :

The Board provides facilities of Private Branch Exchanges, both Automatic and Manual, to the subscribers. In the reviewing year the number of PBX increased by 21, junction lines by 51, working connections by 3118 and the capacity by 1028. The following table shows the particulars of the private Branch Exchanges of the reviewing year as well as the previous year.

No.	1981-82	1982-83	Including the Year 1982-83	Total
No. of PABX	659	680	21	
No. of Junction line	2270	2321	51	
No. of Working connection	17488	20606	3118	
Capacity of PBX	24082	25110	1028	

Complaints & Interruptions :

In all automatic exchanges there are complaint desk to record the complaints from the subscriber. On receipt of a complaint from the subscriber it is recorded in the register and complainant is given a number to enable how to pursue the case afterwards. The subscriber line is there tested by the testing operator to localise the nature of faults. If the fault is localised in the external plant then the faulty line is hooked to the concerned line man through the camp office of that area for speedy removal of faults. If however the fault is located in the internal plant it is passed on to the concerned exchange staff for necessary action. Normally no fault is allowed to be carried over except in special circumstances such as cable faults which needs repairing and sometime replacement for the clearance of the fault. In such cases road cutting permission, incessant rainy weather etc. sometimes causes delay in the rectification of faults inspite of prompt & speedy action taken by the field staff. But the percentage of such faults is negligible although a country like ours with heavy rain fall tends to jeopardize the external plant in the rainy season.

A statement showing the interruption report of Dhaka Telephone system during the year under review is given below :-

Interruptions :

In Dhaka Telephone System more than half of the telephone subscribers of Bangladesh are located. The interruptions of telephones in Dhaka Telephone systems during the year under review are shown below :

July/82	2.88%
August/82	2.80%
September/82	2.04%
October/82	1.35%
November/82	1.36%
December/82	1.02%
January/83	1.11%
February/83	1.26%
March/83	1.57%
April/83	1.76%
May/83	1.68%
June/83	1.58%

PCO's and Coin Boxes :

The Board also provides the facilities of public call offices and coin boxes. The total number of PCOs is 937 with 29 added in the year 1982-83. The total number of coin boxes is 494 with 91 added during the year.

MAINTENANCE MEASURES :

(A) External Plant :

Special cells for controlling of faults in the regions have been formed for improvement of telephone service. Test of Junction cables and repeaters between the different exchanges of Dhaka, Chittagong and Khulna are carried out at regular intervals for smooth inter-exchange working of the telephone of these cities. Routine and surprise inspection of exchanges, camp offices, D.P.s, C.T. Boxes and external lines are carried out by the senior officers and even by the GM's of the maintenance regions.

(B) Exchange Equipments :

Thorough overhauling of EMD Exchanges have been started, a separate Division, namely Corrective Maintenance Programme Division has been created for this purpose. Overhauling of Mirpur Exchange at Dhaka and Faridpur Exchange have been completed and that of Tongi Exchange taken up. Old and out dated exchanges are being withdrawn. Dhaka Central Exchange 1 (24) has already been withdrawn and efforts are being made for withdrawing Khulna Central and Daulatpur Exchanges. For providing improved service, 5 C.B. Exchanges have been converted to Auto Exchanges. Although the number of Telephone connections in ours is much less than these in the advanced countries, the annual growth rate of 12.55 % is not however insignificant, rather it is too high. Difficulties are encountered due to inadequate fund and shortage of technical staff, equipments and spare parts to cope with the increasing demands in the face of abnormal rains and frequent floods in this low-lying deltaic country. Shortage of vehicles and high cost of fuel severely restrict movement of staff and materials in course of maintenance and supervision duties.

TELEGRAPH :

The Board provides telegraph facilities for the Government Departments and offices as well as for the Public. Various types of telegraph offices are functioning to meet the demands. The following table shows the number of I.T.O., C.T.O.'s, D.T.O.'s, S.T.O.'s and Exchange T.O.s, managed by the Board. Besides, telegraph facilities are also available in the 144 wireless PCO's 74 E.D. PCO's and 449 combined offices.

GENTEX SERVICE :

There are two Gentex Exchanges, one located in Dhaka and the other at Chittagong with capacities of 24 and 10 respectively. The number of working connections are 17 and 9 respectively.



TELEX SERVICE :

There are 5 Telex Exchanges in the country having a capacity of 738 with the working connection for 634. The number of pending demands for telex connections is 221. In the year 1982-83, 130 new telex connections were provided and the capacity of the telex exchanges expanded by 104 lines. The number of Telex exchanges with the capacities, working connections and pending demands as existed in the reviewing year compared to the previous year are given in the following tables .

Year	Name of Region.	No. of Telex Exchanges.	Capacity of Telex Exchanges.	Working connection of Telex	Pending Demand.
1981-82	DTR.	3	484	382	132
"	CTR.	1	100	99	20
"	KTR.	1	50	23	3
TOTAL		5	634	504	155
1982-83	DTR.	3	548	494	212
"	CTR.	1	140	114	5
"	KTR.	1	50	26	4
TOTAL		5	738 + 104	634 + 130	221 + 66 (increased in 1982-83)

AIRCONDITION :

Delicate telecommunication equipments require to be installed in special airconditioned Equipment Rooms for proper maintenance and smooth operation.

(a) During 1982-83, equipments rooms were provided with new aircondition plants at the following exchanges.

Sl.No.	Name of Station	Capacity	No. of Unit	Remarks
1.	Moghbanar N.W.D. Exchange,	10 Ton	3	
2.	Khulna N.W.D. Exchange	10 "	1	
3.	Chittagong N.W.D. Exchange	10 "	1	
4.	Bogra N.W.D. Exchange	1 1/2 "	5	
5.	Rajshahi N.W.D. Exchange	1 1/2 "	2	
6.	Bogra M/W Station	1 1/2 "	2	
7.	Moulvibazar Auto Exchange	1 1/2 "	2	
8.	Madaripur Auto Exchange	1 1/2 "	2	
9.	Patuakhali Auto Exchange	1 1/2 "	2	
10.	Bagerhat Auto Exchange	1 1/2 "	2	

<u>Sl. No.</u>	<u>Name of Station</u>	<u>Capacity</u>	<u>No. of Unit</u>	<u>Remarks</u>
11.	Korigram Auto Exchange	1½ Ton	2	
12.	Jamshyr Auto Exchange	1½ "	2	
13.	Neopara Auto Exchange	1½ "	2	
14.	Bandarban Auto Exchange	1½ "	1	

(b) In addition to the installation of new Air-Condition plants at the above places, 42 existing ones were repaired including the 240, 120 and 50-Ton Air-Condition plants at Ramna, Sher-e-Bangla Nagar and Chittagong Telephone Exchanges respectively.

SUBSCRIBERS' TRUNK DIALLING :

The existing STD circuits between Dhaka and other District head quarters and places till 30-6-83 are shown in the table below :

Circuit between	Nos. of circuits O/S and I/Coming	Circuits between	Nos. of Circuits O/S and I/Coming
Dhaka-Chittagong	144 + 144	Dhaka-Cowilla	12 + 12
Dhaka-Khulna	36 + 36	Dhaka-Kustia	12 + 12
Dhaka-Sylhet	24 + 24	Dhaka-Chowmohoni	12 + 12
Dhaka-Rajshahi	12 + 12	Dhaka-Barisal	6 + 6
Dhaka-Nymensingh	12 + 12	Dhaka-Faridpur	6 + 6
Dhaka-Bogra	12 + 12	Dhaka-Patnaakhali	6 + 6
Dhaka-Fabna	6 + 6	Khulna-Mohla	12 + 12
Dhaka-Jessore	12 + 12	Chittagong-Bandarban	12 + 12
Dhaka-Rangpur	12 + 12	Chittagong-Cox'sbazar	6 + 6
Dhaka-Dinajpur	6 + 6		

Inland Trunk Circuits :

There are a number of Trunk Circuits over physical line, UHF and MW throughout the country. The following figures denote the trunk circuits maintained by different Regions and the increase/decrease of circuits from the previous year.

Location	Trunk Circuits 1979-80	Trunk Circuits 1982-83
Dhaka Telecom. Region	259	241
Chittagong Telecom. Region	310	453
Khulna Telecom. Region	140	323
Rajshahi Telecom. Region	140	190

Circuit Efficiency :

The efficiency of different Inland Trunk Circuits during the period of 1-7-1982 to 30-6-1983 is shown in the following table :-

( As per annexure 'A', 'B'. )

TELEPHONE STATEMENT

AMENUE - 'A'

MONTH	BOOKED	O U T G O I N G				REMARKS
		EFFECTIVE	INEFFECTIVE	DURATION ( EFFO. )	PERCENT	
JULY '82	13,194	8,546	4,648	67,935	64%	
AUG. '82	16,838	9,323	7,515	78,261	59%	
SEPT '82	15,443	9,516	5,927	75,609	61%	
OCT. '82	17,290	9,553	7,737	75,895	55%	
NOV. '82	15,610	9,479	6,191	75,660	60%	
DEC. '82	18,765	9,479	9,286	78,818	50%	
JAN. '83	18,853	12,150	6,703	1,06,423	64%	
FEB. '83	15,991	10,591	5,400	93,289	66%	
MAR. '83	22,545	14,715	7,830	1,30,616	65%	
APR. '83	22,918	13,163	9,755	1,10,988	57%	
MAY. '83	19,147	11,994	7,153	1,01,271	62%	
JUNE '83	20,437	11,365	9,072	1,00,346	55%	
	<u>2,17,091</u>	<u>1,29,874</u>	<u>87,157</u>	<u>10,95,071</u>	<u>59%</u>	

ANNEXURE - 'B'

PERCENTAGE OF EFFECTIVE CALLS FROM JULY, 1982 TO JUNE, 1983.

Sl. No.	Cts. from Dhaka to	July/82	Aug/82	Sept/82	Oct/82	Nov/82	Dec/82	Jan/83	Feb/83	March/83	April/83	May/83	June/83	Remarks
1.	Comilla	69	73	66	67	72	59	68	66	67	63	63	63	
2.	Kustia	65	69	68	69	68	64	65	61	66	58	68	65	
3.	Dhulian	64	63	65	64	64	66	60	66	72	68	62	67	
4.	Chittagong	61	62	63	66	61	60	63	70	60	65	59	63	
5.	Cox's Bazar	68	71	71	70	74	74	74	77	67	61	71	77	
6.	Chowchoti	63	67	76	62	69	69	64	69	62	62	54	65	
7.	Jasajpur	69	70	69	72	72	75	70	74	70	70	60	64	
8.	Faridpur	67	69	72	69	66	68	72	70	70	73	70	69	
9.	Rograh	56	64	69	75	70	67	67	68	68	64	70	62	
10.	Barisal	70	74	79	62	69	69	76	75	67	60	71	64	
11.	Mynosingh	66	57	74	66	71	62	73	69	71	66	67	61	
12.	Jessore	65	63	56	67	64	70	75	73	61	57	55	58	
13.	Tangail	68	76	67	76	72	69	62	79	66	64	54	71	
14.	Dibajpur	62	78	77	78	77	62	71	82	76	74	70	72	
15.	Patuakhali	54	59	52	59	61	60	50	72	71	67	55	67	
16.	Pabna	65	62	45	67	74	72	64	80	55	71	78	70	
17.	Mangpur	65	62	67	56	49	59	79	61	68	59	69	61	
18.	Rangmati	55	70	71	57	71	68	71	77	59	64	62	69	
19.	Rajshahi	68	64	71	68	63	63	70	75	76	68	71	60	
20.	Sylhet	68	58	61	66	70	65	63	68	61	60	61	55	

INTERNATIONAL TELECOMMUNICATIONS.

- 1.1. This includes overseas Telephones, Telex, Telegraph, Television Broadcast etc. For this purpose Bhubaneswar Satellite Earth Station and Talibabad Earth Station are mainly used. Besides, Telecommunication with India and Nepal has been established through the regional Microwave System.
- 1.2. Standard A type Satellite Earth Station at Bhubaneswar (BTB) was installed in 1975 replacing the age old HF System with more channels to meet the present demand. At present, contact can be established with 8 (eight) other Earth Stations in the Indian Ocean Region (IOR). As many as 36 telephone channels and 8 VFT Bearer channels on FDM/FM systems are at the moment working via BTB Earth Station. By December/83 or January/84, the number of telephone channels via BTB is likely to go up to more than 150.
- 1.3. Satellite Earth Station at Talibabad (TDB) (Standard SCPC Type) was established in 1981 to have direct telephone or VFT bearer circuits with the countries where we need lesser number of circuits (oct) i.e. upto 5 or 6. At present as many as 5 telephone octs in 5 different directions are working via TDB Earth Station. However, by December/83, the number of telephone octs. via TDB is likely to be more than 30.
- 2.1. Besides we have opened direct octs. with USA, Canada, FRS, France and Italy, the receiving Earth Station being noddy, London with extension to these countries through TAT-6 Cable, Contact-1, Cable or European regional Cable network.
- 2.2. A comprehensive synopsis of direct working of bothway octs. is given in the Table-1.
- 3.1. BSS Service via HF System :  
Our HF System is at present utilized by the BSS for external transmission of news.
- 3.2. Teletext :  
The transmission of two Television and various reception programmes continued during the period under review.
- 4.1. Telephone Traffic for the period July/82 to June/83.
- 4.2. Telex outgoing traffic July/82 to March/83.  
The total paid minutes was 1053296 in all the directions.

4.3. Telegraph Traffic July/82 to June/83.

There were as many as 7280180 paid words passed to various destinations as against 73,66,316 in the incoming direction.

5. Special Leased Telephone Circuits.

a) During 1982-83 as many as 12 Ty Telephone ccts. were opened during the visit of our CMA to Fiji (Suva), Australia (Sydney), Hongkong, China (Peking), Nepal, Kuwait, Morocco (Rabat), France, (Paris), India (Delhi), Burma and Yugoslavia.

b) During the same period, 2 Ty telephons ccts. were opened during the visit of Foreign VVIPs to Bangladesh from Maldives and Malaysia.

Facsimile Service.

The T&T Board offered Radio picture services specially for national newspapers. In spite of the fact that reasonably good facilities were available, the service was not put to such use during the period under review. A comparative statement of the last few years as compared with the current one is given below :

	1976-77	1977-78	1978-79	1979-80	1982-83
Transmitted abroad.	3	140	50	7	27
Received from .	41	29	8	20	34

Overseas Trunk Circuits.

Three sets of Signalling Units manufactured in the year 1981-82 have been installed in the year 1982-83 at I.M.C. Ramna, Dhaka for Overseas Trunk Circuits, as detailed below :

1. Dhaka-Fiji Hot Line the Circuit can now be used as hot line when needed.
2. CTG.-DUBAI.
3. DHAKA-COLOMBO.

Besides, three more sets of Signalling Units were assembled, tested and installed during the year 1982-83 at I.M.C. Ramna, Dhaka for Overseas Trunk Circuits which are working satisfactorily.

These are 1-

1. DHAKA-LONDON-5.
2. DHAKA-RABAT Hot line now working as DHAKA-LONDON-6.
3. SYLHET-LONDON-2.

Further installation of both incoming and outgoing NWD repeater circuits (Electronics) under direct supervision of Director, Technological Development and Research is nearing completion and expected to be commissioned soon.

TOTAL INTERNATIONAL CABLES UP TO 30-6-63. TABLE 1.

COUNTRY	TERMINAL	TELEPHONE	VPT BEARER	TELEX	TELEGRAPH	LEASED	MEDIA
U. S.	DA-LON	6	2	16	2	70	WIRESAT
	SL-LON	2	-	-	-	1	"
	CG-LON	1	-	-	-	-	"
	XL-LON	1	-	-	-	-	"
USA (ITT)	DA-NY	-	1	8	1	-	"
	KA "	-	-	3	1	1	"
	WT "	-	-	4	-	-	"
	STMT "	4	-	-	-	-	"
CANADA	DA-MONTL	1	-	-	-	1	"
JAPAN	DA-TYO	2	1	7	1	6	"
	CG-TYO	1	-	-	-	-	"
KRG	DA-KRG	3	1	12	1	6	"
	DA-KXS	1	-	-	-	-	TDS SAT
SNG	DA-SNG	3	1	12	1	1	SNG SAT
	CG-SNG	1	-	-	-	-	"
AUSTRALIA	DA-SYD	-	-	-	-	1	"
PAKISTAN	DA-KR	4	1	3	1	-	"
	CG-KR	1	-	-	-	-	"
	DA-SMP	-	-	-	1	-	"
INDIA	DA-CAL	6	1	-	1	3	INDUSTRIAL
	DA-MD	3	-	-	-	-	"
	DA-BD	-	-	-	-	1	KYS SAT
	DA-BY	1	-	3	-	-	"
	DA-BY	2	-	-	-	-	INDUSTRIAL
S. AFRICA	DA-NYN	2	-	-	-	-	NYN SAT
	DA-JOH	1	-	-	-	-	"
U.A.E.	DA-AIN	1	-	-	-	-	"
	DA-DXB	1	1	8	1	1	"
	CG-DXB	1	-	-	-	-	"
QATAR	DA-DHT	1	-	-	-	-	TDS SAT



COUNTRY	TERMINAL	TELEPHONE	VFT BEAMER	TELEX	TELEGRAPH	LEASED	MEDIA
NETLANDS	DG-SIL	1	-	-	-	-	120 SAT
FRANCE	DG-PARIS	1	-	-	-	-	-
	DG-PARIS	-	-	4	-	-	170 SAT
YUG	DG-ZFR	1	-	3	-	-	-
	DG-ZFR	-	-	-	1	-	-
ITALY	DG-ROMA	-	-	-	1	-	-
	DG-ROMA	1	-	3	-	-	120 SAT
NETAL	DG-IND	2	-	-	-	-	TELEPHONAL
SOUTH LAND	DG-SID	-	-	6	1	-	170 SAT
NETLANDS	DG-SIL						
S. KOREA	DG-SEOUL						
THAILAND	DG-BKK						
NETLANDS	DG-SIL						

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## **CHAPTER-5**

**FINANCE WING**

FINANCE WING AND ITS ACTIVITIES.

The financial management and control of Bangladesh T&T Board and its establishment in Bangladesh are vested in the Finance Wing headed by the Member (Finance) who is appointed directly by the Government to look after the overall financial affairs of the Board and the interests of the Govt.

The Finance Wing of the Bangladesh T&T Board consists of the following Directorates, namely,

- (a) Directorate of Finance,
- (b) Directorate of Accounts,
- (c) Directorate of Audit,
- (d) Directorate of Revenue ( Field Unit).

Each Directorate is headed by a Director assisted by a number of Deputy Directors, Assistant Directors and Accounts Officers and Auxiliary Staff.

Besides the above Directorates, there is a post of Chief Accounts Officer entrusted with the task of commercialisation of the accounting system from the age-old traditional Govt. accounting system and co-ordination of the activities of the Directorates under the Finance Wing in respect of all accounts and financial matters.

The Finance Wing is headed by the Member (Finance) to whom the Chief Accounts Officer and all the Directors and field units of the Finance Wing are responsible.

REVENUE INCOME AND EXPENDITURE.

The period under review witnessed a balanced growth of financial position of the Board along with overall progress in all sectors of the Telecommunication services. The growth rate calculate at 26% was considered satisfactory under the prevailing conditions.

BUDGET PERFORMANCE.

The increased revenue realisation which exceeded the budget provision was due mainly to streamlining of the revenue administration and collection system including special drive for realisation of the outstanding dues. The amount of realisation of revenue during the year under review amounting to Tk. 104,90,31,300 against revised budget provision of Tk. 90,00,00,000 is shown in the table below .

Taka in thousand.

	Actual -81-82	B/E.-82-83	R/E. 82-83	Actual - 82-83
Revenue Receipt	83,46,27'5	81,00,00	90,00,00	104,90,31'3
Total Expenditure	65,67,84'2	69,83,20	77.62,80	80,04,80'4
Surplus (Net)	17,78,43'3	11,16,80	12.37,20	24,85,50'9

The total working expenses including pay and allowances, contingencies including maintenance, audit and accounts, pensionary charges, contribution to Renewal Reserve Fund and Interest amounting to Taka 80,04,80,400 resulted in a net surplus of Tk. 24,85,50,900 of Tk. 12,48,30,900 compared to that of the revised budget estimate. The expenditure of Tk. 2,42,00,000 incurred in excess was partly due to increase in the prices of spares and equipments, fluctuation of exchange rates and increased demands for maintenance and operation expenses.

REVENUE COLLECTION :

Revenue collection in the field of Telephone services which constituted 77.20% of the total revenue was quite significant and satisfactory. The following table shows revenue collection and outstanding dues at the end of the reviewing year :-

Assets as on	1.7.1982	= Tk.	14,45,72,500
Billed for in	1982-83	= Tk.	103,52,72,500
Total bills collectable during	.. 1982-83	= Tk.	117,98,45,000
Total bills collected during	.. 1982-83	= Tk.	104,90,31,300
Bills outstanding as on	.. 1.7.1983	= Tk.	13,08,13,700

The amount of outstanding revenue as on 1.7.83 shows a decreasing trend compared to the arrears of the previous year. This was mainly due to a special drive launched by the Board for realisation of the outstanding revenue.

OPERATING REVENUE :

A comparative statement of operating revenue during the year under review and other years since 1978-79 is shown below servicewise :-

Item	Head	1978-79	1979-80	1980-81	1981-82	1982-83
Revenue	Telegraph	42610'0	46244'2	52544'2	55233'8	51201'9
Percentage Growth . . .			8'53%	13'62%	5'12%(-)	7'3%
Revenue...	Telephone	229441'6	509008'7	533742'4	661950'0	811852'3
Percentage Growth			121'85%	4'86%	24'02%(+)	22'65%
Revenue ..	Telex	28744'8	37056'7	65639'3	73641'5	110527'9
Percentage Growth			28'92%	77'13%	13'15%(+)	50'09%
Revenue...	Others	20959'2	17549'6	47191'5	43802'2	75449'2
Percentage Growth			16'27%	168'9%	7'18%(+)	72'25%
Total Revenue..		321755'6	609859'2	699117'4	834627'5	1049031'3
percentage.			(+) 89'54%	(+) 14'64%	19'38%(+)	25'69%

Thus there was an increase of 23.69% (say 26%) in revenue receipt in the year under review as compared to that in the preceding year.

OPERATING EXPENSES :

The operating expenses under different heads could not be strictly calculated due to existing accounting and costing (cash) system. This is being overcome under the newly introduced commercial accounting system. The following table was worked out under the existing system on a comparative basis :-

I t e m	1978-79	1979-80	1980-81	1981-82	1982-83
Operating Expenses.	18450.4	261425.2	289282.3	523169.2	395458.4
Percentage.		41.7%	10.66%	11.71%	22.37%

The operating expenditure shows an increase of 22.37% from that of the previous year; but in view of over-all revenue income and increase in the maintenance and operational load due to expansion of Telecommunication services, the operational expenses in real terms, were however, proportionately lower.

NET SURPLUS :

The year under review has been a year of progress. The net total revenue receipt was Tk. 104,90,13,300 against the total expenditure of Tk. 80,04,80,400 resulting in a net surplus of Tk. 24,85,30,900 which is 23.69% of total revenue receipt.

The over all progress in the financial management and the revenue income was highly appreciated by the World Bank mission (IDA) in their aide memoire.

ANNUAL DEVELOPMENT PROGRAMME  
(CAPITAL EXPENDITURE)

The development finance of the T&T Board was till recently looked after by the Planning and Development Wing of the T&T Board except for accounting purpose. Due to some difficulties in co-ordination of the financial management and accounting, it has been decided that from the financial year 1983-84, the financial management side would also be looked after by the Finance Wing of the T&T Board.

During the year under review, the approved revised budget under ADP and expenditure for the year 1982-83 were as follows :-

I t e m	Amount 'Tn. in lac )			No. of Schemes approved out of Col. 5.	No. of Schemes approved out of Col. 5.	R e m a r k s
	D. Currency	F.A. or F.I.C.	Total ADP.			
1	2	3	4	5	6	7
<b>I. Allocation:</b>						
On going (Core)	2219'49	700'00	2919'49	8	8	
On going (Non-Core)	2072'31	1100'00	3172'31	17*	7	*Out of 10 un-approved project 1 was originally approved but after revision not yet approved. 2 FEU recommended. 6 un-approved 1 wound up.
New (Non-core)	303'00	-	303'00	1	-	
<b>Total</b>	<b>4594'80</b>	<b>1800'00</b>	<b>6394'80</b>	<b>26</b>	<b>15</b>	
<b>II. Expenditure.</b>						
On going (Core)	2406'02	-	2406'02	8	8	
On going (Non-core)	2145'21	1800'00	3945'21	17	7	
New (Non-Core)	188'52	-	188'52	1	-	
<b>Total</b>	<b>4739'75</b>	<b>1800'00</b>	<b>6539'75</b>	<b>26</b>	<b>15</b>	
<b>III. Balance :</b>						
On going (Core)	(+)186'53	(-)700'00	(-)513'47	-	-	
On going (Non-core)	(+)72'90	(+)700'00	(+)772'90	-	-	
New (Non-core)	(-)114'48	-	(-)114'48	-	-	
<b>Total Balance</b>	<b>(+)144'95</b>	<b>-</b>	<b>(+)144'95 (Net balance)</b>			

The excess expenditure of Tn. 144'95 lac was incurred mainly due to fluctuation in exchange rates and resultant effect on payment of C.D.S.T. at enhanced rates on imported stores since the amount mostly related to on-going projects. The excess amount would be ultimately adjusted against total provisions.

CAPITAL OUTLAY :

The progressive total interest bearing capital outlay upto the end of the previous year 1981-82 was Tk. 258,52,00,000. During the year under review, an additional capital outlay of Taka. 65,39,75,000 was added, thereby bringing the total to Taka 323,91,75,000 by the end of 1982-83. The yearwise capital outlay since 1978-79 is shown below :

Financial Year	Amount in Taka
Before 1978-79	105,99,64,000
1978-79	24,69,80,000
1979-80	45,94,98,000
1980-81	39,91,58,000
1981-82	42,36,00,000 *
1982-83	65,39,75,000 *
Total upto - 1982-83	323,91,75,000

\* Provisional Figure, not yet audited.

NON-DEVELOPMENT :

Non-Development foreign exchange budget for the year 1982-83 was as follows :-

Imports	Taka in Lac.	280'00
Invisible	" " "	296'66
Total :	Taka	576'66

The entire amount was utilized during the year.

OVERALL FINANCIAL POSITION.

During the year under review, expenditure was incurred in Revenue Sectors for Tk. 80,04,80,400 against budget allotment for Tk. 77,62,80,000 thereby recording an excess of Tk. 2,42,00,000. The main reasons for such excess expenditure in revenue budget was due to increase in the prices of spares, fluctuation in the exchange rates and increased demands for maintenance and operational expenses, due to rapid expansion of the telecom net works in & around the country. Against the capital budget under ADP during the year of Tk. 6394.80 lac including a foreign exchange component of Tk. 1800 Lac, the actual expenditure incurred was Tk. 63,39.75 lac. The excess expenditure was mainly due to fluctuation in exchange rates and resultant effect on payment of C.D.S.T. at enhanced rates on imported stores.

To streamline the over all financial management and control of the Bangladesh T&T Board, efforts were made to make the spending units cost-conscious by introducing budgetary control system at all levels and enforcing financial discipline. Involvement of the controlling officers responsible for revenue collection and expenditure in the preparation of budget and operation of budgetary control was expected to go a long way to fix up responsibility and determine accountability in financial matters. Efforts were also made to make the spending units convinced that budget was one of the primary devices of financial control through which common objectives of the organisation can be achieved.

INTRODUCTION OF MODERN COMMERCIAL ACCOUNTING SYSTEM.

Parallel to the existing one on cash basis, the Board has also introduced a modern accounting system to cater to its commercial needs and establish sound financial management and control in the organisation. The work for this has been satisfactorily progressing since 1980-81 and the draft financial accounts for the year 1981-82 under the modern commercial accounting system based on accrual basis have been submitted to the World Bank. Besides, preparation of final accounts for the year 1982-83 under the same system is under progress.



