## MANGLACESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY

# GROWING URBAN CENTRES IN BANGLACESH A SOCIAL ECONOMIC AND PLANNING ANATOMY

#### A THESIS

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#### Profese

The topic of study a Growing Urban Centres in Bangla Dash - a social, economic and planning analogy, issuest in nature and in segnitude, that it is difficult for the author to do proper justice with a short time period. Each and every town centre posses a real threat of problems to study and analyse its growth and development process. Each is baset with its unique physica-economic setting needs to be studied asparataly.

The ecope of this study was originally wasn't to be much wider covaring the whole field of urbanisation in Bangle Desh. The author acknowledges his limited success and deals with the all conditions prevailing before March,1971. Difficulties were there of different types and significances, like, availability of date and their relability, availability of land-use map and their validity at the present perspective and the other limitation was time. But the greatest difficulty, which was almost insurmountable to the author, like, his other fallow seven cross Bangalees, was due to the crual erey crack down in Bangle Desh cousing massive destruction of life and property.

The statistics of devestation, both, physical and material, are being prepared and yet to publish. But it is quite evident that the shole aconomic, physical and social set up of our urban as well as rural sattlement went under a considerable termoil and catastrophic change. Every square inch of the soil and every citizen of Bangla Dash, directly or indirectly are affected due to the tavages of war of Independence.

So, any specific recommendation for future planning without the careful studies of existing situation would be subject to various limitations and



qualifications. At this, the author expresses some general thoughts on the existing problems of physical planning in Bengla Deah without making any concluding remarks.

He also coined the so called independence of 1947 as 'partition' and the present glorious achievament as 'Independence' (from December 16, 1971), and former East Pakistan, as reality Bangle Dash.

The subject as already said, has many dimensions and the present study makes only a modest beginning in qualifying some espects of urbanisation. The muthor also wishos sincerely that the study will be supplemented later by him and other interested personshities in this field with an analysis of other available facts to quantify all the espects of the problem and to find out an optimum solution.

#### TABLE OF CONTENTS

Acknowledgements	III
Profece	IV
List of Tables	VI
Acknowledgements  Profece  List of Tables  List of Mops & Figures	VII
CHAPTER	
1.INTRODUCTION :	
A.Background of Physical Planning	. 1
B. Sangla Dech, the Land: A perspective	4
E.Objective and acope of study	В
D.Methoda of study	70
E.Contribution	11
II. DIAGONISIS OF SOCIO-ECONOMIC DEVELOPMENT FOR URBANISATION.	
A. High-rate of Population Stouth	13
B. Industrial Devalopment in Bangladesh	15
C. Effect of Partition	19
O. Development of Transport & Communication	20
E. Spread of Education & Training Facilities	22
F. Effect of Urbanisation On Econ. Devalopment	23

III.	PATTERN	DF	URBAN	<b>CHOALH</b>

III. PATTERN OF URBAN GROWTH		
A. Dur Urban Huritage	27	
8. Urbanisation : What It Means	30	
C. Urbenisation in the Present Century	32	
D. Urbanisation Ouring the lest Two Decades	36	
IV. Urbenisetien And Regional Transport and Communication		
A. Waterways	45	
8. Railwaya	48	
C. Roeds	52	
V. URBAN STRUCTURE		
A. Mature of Human Settlement		
in Urban Arma	57	
B. Roed Pattern	60	
C. Pattern of land-use	62	
D. findings	68	
VI. SIEWARY	74	

## LIST OF TABLES

1.1	Import of Foodgrains into Bungla Dash	5
1.2.	Flood December in Bengle Death	6
1.3	Cyclone in the Decade (1960-70)	7
3.1	Present Urben World (in order of Rank)	33
3.2	Percentage of Urben Population to Total Population	34
	(Bangle Desh)	
3.3.	Increase of Urban Population over the Decade (percented	e) <b>34</b>
3.6	Decenial Variation in Rumber of Urben Centres with	34
	population load of different size classes	
3.5	Increase of Rural and Weben Population in Bangla Dash	34
	(1901-61)	
3.6	Urben Aress and Population(Bengla Cesh)	36
3.7	Healy Grown Urban Centres	37
3,8	Percentage of Urban Population in Different Siza-class	37
4.1	Osvalopment of Railways	52
4.2	Proposel for New Roads	57
5.1	Quantitative Analysis of Land-use Pattern	67

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LIST OF MAPS , FIGURES AND GRAPHS	PAGE
1) Rep of Bengle Desh	4-5
2) Buddhist Monastery etc.	2729
3) Excevation et Bogra	
4) Agri, non-egri & urben population	34-35
5) Urban Population, Bangla Dash	25-36
6) Changing Town Population in Bangla Desh	36-37
7) Growth of Urban Centres, 1966	37-38
8) Bengla Deah Urban Centre 1971.	38-39
9) Location of New Industries	41-42
10) Major Industrial centres and Railway Link	46-47
11) Bangla Desh Communication	47-48
12) Saver Area Mep	53-54
13) Lend-ues Rep, Comille	65-66
13) Lend-ues Rep, Comille  14) Location Map Rejshahi  15) Land-was Map, Chandour  16) Land-was Map, Spore	67 <del>-60</del>
15) Land-vae Hep, Chandpur	68- <del>69</del>
16) Lend-use Hen. Boots	£0_π)

4

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CHAPTER : ONE

### INTRODUCTION

The People, Yes,

Out of what is their change
from chaos to order
and chaos again ?

— Earl Sandbug





#### A. BACKGROUND OF PHYSICAL PLANNING

The teentiath century will be recorded by the future histories as a magnificient are in the history of human civilization due to its diverse contributions to the field of science and technology, Social and economic development and the strategy of political organisation resulting into a new look towards life. Ours is the Age of New Nations mass society and global interaction. The convulsive emergence of the colonics into independence and their subsequent struggle to join the rank of prosperous, powerful and pascaful nations, is the most remarkable revolution of our time. A good number of developing countries is Asia, Africa, Letin America and some European countries have seherked on development planning to cross the hurdle of stationary equilibrium of under-development.

No race is without toil. The physical, economic and social distress bound up with the over growth of urban agglomeration are common in all developing countries of the world, but the condition in South-east Asia is, perhaps, the worst. Poverty, hunger, disease, alum, illiteracy and lack of opportunity for self-development have been lot of a large majority of people in under developed countries. Poverty there is old, but the awareness of poverty and the hope that something can be done about it are new. In fact a revolution of rising expectation is currently awarping in under developed world.

<sup>1.</sup> K.K.Dowett : Modern Economic Theory
(New Delhi, 1963), P.757

Planning is an intelligent forethought and organised effort to make human life fuller and richer through the process of hermaning and utilizing limited resources for attaining the best alternatives of unlimited objectives.

Economic planning generally means satting up physical targets, the practical attainment of which will mean a more desirable state of affairs that attempts to have a sustained increase in percepits real income. It will halp to increase the standard of living and to attain higher social welfare which the entire system of the study of economic planning size at.

In recent time a major constituent of thet organised thinking has emerged in the name of physical planning translating the economic contraints into the physical form to catre the need of living environment. Economic devalopment has concrete menifestation in space as it involves changes in activities and their spatial relationship. For example, establishment of an economic activity, say, a factory, entails parallel investment in public utilities, road, transport facilities house, sanitation, schools, hospital, etc. As in many cases these investments are not seen as an aggregated or coordinated by a physical plan, the total capital requirements are usually under estimated, and hence physical environment starts to deteriorate.<sup>2</sup>

<sup>7.</sup> I.M.Robinson : "A Comprehensive Regional Physical Planning : A Sound Pattern of Feture Urban Growth in Pakisten.", (Problems of Urbanisation in Pakisten, Karachi, NIPA, 1967)

formed plans generally concentrate on capital use. They do not include plans for the use of land, key construction material, and a desirable spatial organisation of various activities. Physical planning deals with the planning of total living environment which is composed of land, physical structures and various activities, social set up and economic behaviour of the people. It is therefore the graphic expression of a nation's economic and social policy and is related to distribution and redistribution of production phase of nation for better use of people, resources and production in a desirable physical environment. 4

So, the need for planning of the entire physical environment in which people live, work and seek nutiets for social, recreational and cultural needs is a must for the welfare and progress of the society.

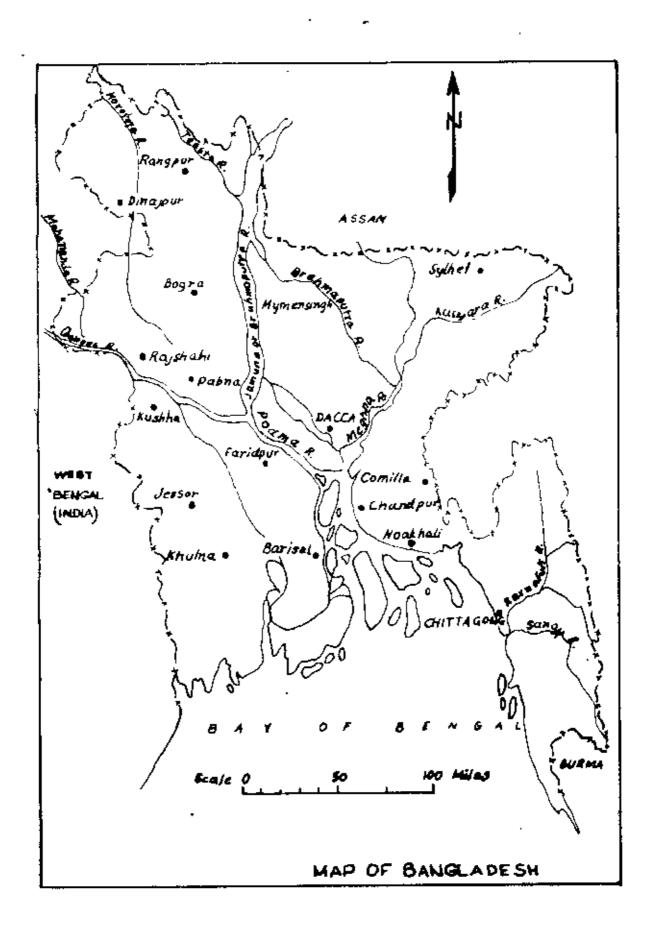
This led to the evolution of the concept of physical planning within the frame work of which optimum ellocation of resources 1 mem and deterial, in eads, has added a new dimension to the Mational Planning Sodies. It is popularly required ded so the science of urban and regional growth and desthetics of civic design. In real sense it gives proper weight to every square inch within national topo—sheet surban and rural alike.

At first the profession was wortly considered the job of civil anginesis and a bit later, of architect, but soon the students of social science and public administrators understood the real crus of the problem and case forward to accept the challenge of providing optimum environment for living to the people. The goals

<sup>3.</sup> Thid: A.F.A. Hussmin and Khelid Shibli

<sup>\*</sup>Urbanisation and Urban Development

<sup>4.</sup> Quartiddin Ahmed: Regional/Physical Plenning of West Pakistan
Third Seminar on Architecture, (Decca, Pakistan Council, 1968)



of plenning is both social and economic and the ultimate emphasis is on the physical development of the community through rational organisation and use of man-made environment besed upon a knowledge of behavioural acience, technology and insight into man's aspiration and opportunities. In a word, physical planning makes its contribution in the integrated application of knowledge from diverse disciplines.

#### 8. BANGLA DESH, THE LARD & A PERSPECTIVE

Boundaries And Spatial Relationship: Bengle Deah, the youngest muvereign state in the world and former East Pakietan, was under the domination of Pakietan occupation forces for 24 years and over the giorinus War of Independence by December 16, 1971, at the heaviest cost of bloodshed history ever recorded,

It lies at the northern and of the Bay of Sengal roughly between  $20^{\circ}30^{\circ}$  and  $26^{\circ}45^{\circ}$  north latitude and  $68^{\circ}0^{\circ}$  and  $92^{\circ}50^{\circ}$  eact longitude. It is almost completely surrounded by India with a common frontier with Burne for short etretch on the south-east.

The country has an area of 33 million ecres of which cultivable land is about 22 million acres  $^{5}$ . (Map 1).

Geology And Topography: Bengla Deah consists primarily of delta formed by the thrice great rivers - the Genges, Brahosputra and Maghina and their hundrada of tributaries. The dominating features of the topography is the extreme flatness of the country is general. In alavation the land alope gently from about 200 ft at

Nafie Ahmed: An Economic Geography of East Pakistan (Sec.Ed.London, Oxford University Press, 1968) PP 13-40

the north-western boundary to 50 ft at 200 miles and only a few feat above mean sea level at the sem commit. There are only a few hills on the north-east and mouth-east whole elevation rangem from one hundred to approximately 3,000 ft. above see level.

The geological structures of the country is simple. It stratches almost over the great buried depression, filled with alluvium deposited by the rivers.

Separal Problems And Economics :

(a) Agriculture a Agriculture is the dominant activity of Bengladesh and vast majority of population depends entirely on it. But the country is running deficient in food and has to depend on import of food grains from abroad. This is due to lack of irrigation facilities, agricultural pursuit is generally seasonal mostly confind to the wet season and optimus use of land has not been possible.

Table 1. 1 IMPORT OF FOODSRAINS INTO BANGLA DESK

Yesz		Import of Rice			import of wheat and wheat products			
	From West Pakistan	From ebrosd	Total	from Vest Pakisten	from abroad	Total	Total Food- grains (in 000 tons)	
1960	63	319	402	3	173	176	579	
196t	95	262	357	-	187	187	544	
1962	75	195	270	57	455	512	782	
1963	328	237	565	2	917	919	1484	
1964	126	107	233	•	219	219	452	
1965	140	51	191	31	759	790	981	
1966	279	138	417	-	417	417	834	
1967	191	171	362	_	723	723	1685	
1270	130	211	341	<del>-</del>	6D4	604	1145	

Source: Bengle Desh Observer, Decca, Feb. 20, 1972.

6. Ibid, pp 13-40.

All the evaluable lands that can be used for cultivation are already under plow and there is hardly any scope of increasing the area. Yields are low and crop damage by floods are frequent. Feeding of an ever increasing population has been a pressing problem of the country.

Inter-relationship of industry and agriculture is very close in the country because most of the domestic res materials for processing are from the agricultural fields and forests. Industrialisation has started in this country late with a skalaton scale, due to the colonial exploitation of the past.

(b) Flood: Being situated at the confluence of the three great rivers annual floods have, for countries, been considered normal in Bangla Dosh. The people have learned to edapt themselves to these conditions by dealling in habitation wat on artificial earthen mounds above flood waters and agricultural practices and excepting pattern have been adjusted to the normal conditions of rainfall and flooding?.

But when floods are excessive in depth, rise to rapidly, come to early or late or are too prolonged, extensive damage is caused. The areas inundated rice crop losses in most recent past floods are as follows t

Tuble 1. 2. FLOOD DAMAGES IN BANGLA DESH

Year :	1954	1955	1956	1962	1970
Flooded area (in eq. wiles)	14.200	15.000	13,700	13,600	14,600
Estimated rice crops losses (in Min.Re.)	120	129	216	408	475

Source : The Pakistan Observer, Dacca, Oct. 12, 1970.

<sup>7.</sup> EPWAPDA: Mester Plan, Vol. 1 (International Engineering Co., California)
Dacta PP 3 - 36

(c)Eyelone and Tidal Waves: Cyclone and tidal waves in the costal district is another measing problem in the country. The cyclone stroma generally occur before and after measons sesson. They originate from low depression in Boy of Bangal created by were southerly mir mass from the ses meating colder northerly mir mass. Winds over 120 aph with storm surges apto 20 ft. above the ses level are common. These cyclones cause wide apread devastation in their wake with colossel desegs to comp, property, loss of cattle and human life.

Table 1. 3
CYCLONE IN THE DECAGE (1960 - 70)

Year	Time of occurance	Valocity (aph)	Hight of the tidel waves	Loss of lives	Remarks
1960	Twice	130	20	5,149	
		130	15		
1961	Dince	92	10	11.486	****
1963	Once	135	12	11.520	*****
1965	Telcé	100		19297	
				873	
1966	Dnce			15,000	11 lacks people effected
1970	Twice	103	20	309	Loss of Property
-		150	20	2,000	Re.185 crores.

Source : Pakistan Observer, Nov. 14, 1970 (Dacca )

The figures ploted on the two above tables are by no means exact but they provide an indication of the exhaustive losses of lives and properties. Ouring the year, '70 the previous has been badly affected by cyclone twice within a period of month.

Social Scape : Bengle Desh an overwhelmingly agrarian and elemingly over crowded land, socio-economically is entering a new aga — the aga of urbanisation, main roots of which are the natural growth of population, industrial progress of the country and the influx of Muslim immigrants from adjacent territories of India mostly clustered around the urban areas. The society aspires higher living standard, years to throw off economic backwardness, illiteracy and prevailing gross inequalities in status and position in and abroad at individual and national level.

In Bangla Dash society to-day, organisation and value judgment are simultaneously tending to alter the traditional acciety. Conflict and clash between traditional and swarging attitude and values have occurse and these have touched all most every aspect of the society. Seneral adjustment and accomposation process is going on. In fact, growing urbanisation with its virtues and vices, families with its structure and role, community and its ties, social accurity and class strattification are all passing through a transformation transitory period. Under the situation a paraistant problem is occuring in the minds of thinkers and planners that how this transformation can be made through a process of balance and harmony.

#### C. OBJECTIVE AND STOPE OF THE STUDY

For Bengle Deah, there has been hardly any study made about growing urbanisation from socio-economic and specially physical planning point of view. Although a considerable amount of studies have been made concerning economic development in under-developed countries where Bangladesh has been one of the

elements of discussion, but there is hardly any proper attention made, specially for Bangle Desh in relation to her environmental growth. Apart from this, available books and studies mainly deals with aconomic aspects of country's development, its difficulties, potentialities and its benefit for the societies concerned, not in the frame work of physical planning.

It is rather a temptation to study urbanisation and analyse its devalopment under broader framework of sociology, economics and physical planning.

The real problem now poses before the development planner is to ensure maximum functional effeciency of the region in allocating resources and to establish a balance between nature and men. Enough experience now exist to make it clear that regional and urban studies and plans are essential for a variety of reasons:

to schieve growth targets, to closs—up the gaps between growing points and legging regions to increase effeciency in infire-structure investment, to maximize beneficial effects of urbanisation and to produce more adequate and less expensive anvironment in places to work and live.

In view of the aituation, it has become rather felt-need of the hour to investigate and energies the social, economic and physical aspects of urbanisations in Bangladeah to find out the better alternatives for the present problems and future progress.

The present study is primarily an attempt to :

- (1) Diagoniae the encio-aconomic pressure for urbanisation ;
- (2) Drew the pattern of urban growth;
- (3) Sketch the problem of orban-structure, its regional communication and transport system : And
- (4) Summarise the whole altustion.

<sup>5.</sup> L.Rowdin : Urben Planning in Developing Countries (U.N. Monograph, 1965)P-2

#### D. METHOUS OF STUDY

Studies in urbanisation have been handicapted by the general lack of a method of measuring or classifying the functions or activities of towns. Occupational pattern of the people, an important criterion to determine the functional himsrchy of the towns, has unfortunately not been counted in our Censers Report, 1961. So, the study has been besed mainly on historical method as sample study providing validity to this dynamic type of problem would involve a greater magnitude of work which is beyond the present resource and time. Modern urbanisation has been a complex problem in Western countries. Though our background and pace of progress is quite different, yet a marked change is there which gives us insight and clue to explain our situation. Within the apparent diversity between the last two decades, comparision and explanation gives us understanding of common strategies of urbanisation.

Societies as well as on under developed countries of similar nature to cure. As my opportunities were limited to deal with many books, particularly on Bangle Deah. I attempted to supplement the difficiency by pamplets, name reals, name paper aditorials, Government publications and office files which deal with the problems under study.

To make some assertions and arries at conclusions, I have used statistical data from Census Suports of Govt. of Pakistan, Five Year Plane of Pakistan and some recent counts made by other Govt. departments, as for, The Election Commissions, Bureau of Statistics, Malaria Eradication Office atc. Reliability and validity of the data used in the Thesis may be questioned by many. But to do better was really beyond may present means, and do hope for the empirical studies in future. I have used mostly library materials from the Library of Engineering University, Daccas Central Public

Library; USIS Library; British Council Library; Science and General Library of Dacca University; National Institute of Public Administration, Dacca.

#### E. CONTRIBUTION

This study, I hope, would help us to understand our social and emphasic needs, size and objectives of proper planning in the context of prevailing situation. It gives us to perceive dynamic nature of urbanisation which will help, in turn, to project future course of action.

This type of study when broadly based may help the economic planner to make order of preference for development; the Government to initiate policy matter with the understanding of objects needs of the people, scholars and intellectuals to feel the laten trand of the society and public in general to be conscious about desirable objectives and their respective role for achieving such goal.

It is, above all, expected to be regarded as a document of urbenisation in Bangla Desh recorded extensively from the year 1951 to 1971 (before March 25, 1971) which would help the future historians and social eclentiats to make a comparative study on Poet War Bangla Desh.

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#### CHAPTER - TWO

DIAGONISIS OF SOCIO-ECONOMIC

DEVELOPMENTFOR

URBANISATION



from the dawn of industrial Revolution, till today, great many changes took place in the process of socio-economic development of different, urbanisation had been playing, still playing in developing economics, the wost dominant role to would the destiny of nation's development pattern. During the 18th and 19th centuries a series of inventions and discoveries in the fields of insminate energy, technology of wast production, quick and efficient transportation and communication etc. ushwred in the modern industrial age, and the temp of modern Arbanisation followed mon. In Asia the tempo came lets and still later it came to Bangle Desh.

Historically, the land of Bangla Geah remained purely an agricultural one even in the late 18th century. During the Mughal period Geoca was the only centre ettracted some urban population. Most of them balonged to the Mughal Army, the artisen and service population retained by the ruters around them. Chittagong at that time was a small port and trade centre which used to be visited by the Araba, Portuguese and English traders. Ogring the latter part of the 18th century when the British rule was established in Bengal, the centre of struction of trade, conserve, industry and administration started shifting from Decre to Calcutta. The once flourising cottegs industry which reschad its zenith during the Mughal period gradually declined with the establishment of Cotton textile industries in Great Stritein and place in Indo-Bengla subcontinent. Calcutte was the main consercial centre and the region now comprising Bengla Deah turned into an agricultural respective and education of each of the administrative region developed into a urban centre where professional tredfers sattled and administrative institution graw up. Due to unsatisfactory

communication facilities and absence of industrialisation, large scale urbanisation could not take place.

After so-called independence in 1947, Decca being the capital of Bengladesh ettained greater importance and few other urban centres of the country were also coming into prominence owing to their growing functional significance.

#### A. HIGH-RATE OF POPULATION GROWTH :

"Population influences the productive forces of the country in various ways such as through labour requirements, its still and quality, markets and their especity stc. The nature and extent of material development and created opportunities, in their turn, exert a profound influence on the population, and in the process of continuing adjustment, interesting demographic shapes and patterns emerge". Too many people in a limited physical resource means limited scope for development of a country. The pressure of population growth is one of the seat important factor that affects to determine the course of human settlement. The agrerian Bangle Deah is obviously a vication of victous circle in which population density, fragmentation of land insufficient soil and mining resource, lack of capital and thereby low productivity drives the people every from their rural haslate to find seems of livelihood elements: they flock together in and around urban/industrial centres and urban centres everys.

<sup>1.</sup> H.A.Zaman : \*\*Population Trend and urbanisation in East Pakistan\*.
Urbanisation in East Pakistan ( 1967, NIPA, Karachi) PP 91-92.

<sup>2.</sup> Mafia Ahmed, OP, Cit, P 283.

Bengla Desh according to 1961 census, abode of 51 million nationals, of which 14 thousand non-Pakistania is extended over an area of 55126 square miles. Out of the total area of 55126 square miles, 3205 miles is covered by rivers end foreshores. Thus density of population is 922 per sq. mile on average and the highest density is 1786 per sq. mile, of which only 5.19 percent population live in large cities and towns, and the rest 84.91 percent of the people lived in 61,4424 villages where population range varied grantly. Obviously this is one of the very densely populated area of the world. Of the total population almost 85.26 percent of the total labour force constitute agricultural labourers. Agricultural Census Report of 1960 reports that in Bengladanh a vest population of 3.88 crores farmers live on 191.4 labb screes with an average holding of only 3.1 acres per family. This too is fragmented in most land under plough is autramely limited. A total of 1.6 million acres of culturable mests land can be tapped with difficulty and cost but at the same time allowance has to be made for growing encroschment upon agricultural land for non-egricultural purposes.

According to the planning Commission, population of Sangle Sesh is increasing at the rate about 2.7 % which weems a major repercussion of this increased population will be on agriculture. This definitely represents a vacious circle, and it is clear that agricultural sector itself is not in a position to fead, nor to apack of the increased population in future, but of present day. Surplus population is seriously threating aconomic development of the country.

<sup>3.</sup> Menager of Publication a <u>Consum of Pakintan (Kurschi. 1961)</u>

Horse population means more people to feed, to educate, to provide hogsing, health and sanitation and amenities of life. This means more and more land goes out of cultivation for housing or is devoted to food crops for subsistence than to export crops for surplus investment. The economy can not compete even with other agricultural countries with greater equipment and technology per worker, unless it introduces concentrated pattern of living in a planned way of human settlement and providing the scope of intensive utilization of non-material stock, i.e. those resources.

#### 8. INDUSTRIAL DEVELOPMENT IN DANGLA DESH ECONOMY

Industrial development has a necessary and ultimately a large role to play in any sound scorners development program. An under-developed country lacking in resources must build industry largely besing on the strength of what it has that is agriculture. And "the improvement in the productivity of agriculture is one of the most solid means of promoting industrialization; infact unless agriculture does not modernize substantially, industrial expansion in most under-developed countries is likely to be cut short by lack of markets, for the great asjority of the people will not have the purchasing power, conversely, agricultural improments can not go very for unless there is industrial development to take up the released man-power and to provide a solid technical base for the equipment and services mesential to sodernize agriculture.

<sup>4.</sup> Eugene Stately : The Future of under-developed countries (London) P-304.

Without being such bigged for or against industrialization, we can safely say, that both industry and agriculture abould remain mide by side in under developed economy as a complementary to each other and priority should be given on the basis of increesing marginal rate of contribution to the national acomomy. The Industrial organization during Mughal period clearly reflects the basic feetures of the egrarian order, the most important product of which was the textiles desiving raw rew materials from the local cotton. Village industries were magnit for catering the meeds of gelf sufficient village communities where Majority of the artisens were diagriaged unemployed labour. The artisans were maintained by the village communities by rent free homesteed and agricultural lands. Under this accorde condition there was hardly any incentive for improving the skill or technology as there was no threat of competition and the profession was hereditory. On the other hand urban industry was entirely dependent upon the petronage of the existneracy and created to their luxury demends. The Indian urban artises attained high skill of profeciency which won fame for them and for their products outside India. Indeed Indian craftmonehip was ranked highest in the world of the period ; handworks in ailk. cotton, ivery, gold and gilver had attained such technical excellence unknown in the West.

India in the 18th century was manufacturing as well as agricultural country. Along with manufacturing industries, commerce expanded so such that Indian luxury products gained market in the world at large and thus 'urban trading centram had arisen as a result of exchange and export rather than for local use'.6

<sup>5.</sup> D.R. Godgil : The Industrial Evolution of India in Recent Times(Gokhala Institute of Politics and Economics, Poons, 1945) p 134.

<sup>6.</sup> A.K. Mazzul Karim : Changing Society in India and Pakistan(Dacca, 1961)p-41.

It was the Industrial Revolution that brought about a tempendum change in British Colonial policy to find out expended market for ever increasing bulk of industrial products. East India Company and the British Parliament following the salfish commercial policy discouraged Indian manufactures in the early years. By dint of political supremety they hold the right of monopoly of exploiting the country and made India sub-survient to the Industries of Great Britain. Indian artisens were forced to work in the company's factory. Prohibitive teriff included Indian silk and cotton goods were admitted in India free of duty or on payment of nominal duty. This is rather a painful episode which can explain the economic condition of the Indian people of 19th century and their halpless dependence on agriculture. Thus issueses western elements were imported to disrupt the old society but not to bring rapid economic advence.?

In the early twentieth century, Ealcutte and other metropolitem cities of India made a remarkable progress in menufacturing industries. The European capital invested in the various branches of industry including juts on the bank of Hoogly river. 'Thus Calcutte, the hab of European enterprise, indirectly prevented development alsowhere, particularly in East Bengal Area.

So, during the lest 200 years of British occupation this region fed the more industrially developed areas of Indian subcontinent with men and materials remaining itself poor, famished and undardeveloped.

<sup>7.</sup> John Seauchemp : Sritish Imperialism in India (Landon, 1935) P-16

<sup>8.</sup> Nofis Alward : Op. Cit, P 217.

Since partition successive national Govts, contributed towards the sconomic growth though the smount of success was not much aignificant. The page of development was accelerated to a significant extent since Ayub regime took over the power in 1958, largely due to the determined purguit of a number of development oriented policies. Regining with the first five year plan a sustained affort for all round development of the country's economy has been each. With the successful implementation of the Sacond five Year Plan, trippling the industrial investment, urbanisation gained a new momentum and the tempo continued for the successive plan period. Ofcourse, "the performance of the industrial sector in the Third Pian. Though substantial, has not been entirely upto the expertation. The plan has had a chaquared corner. It got off to a difficult start in 1965-66 and the page of investment and production was again upset by the disturbences of 1968-691.

Bangla Nesh Industrial Development Corporation (former EPIOC) traces its mistory from 1962 being bifurcated of development in the country. This proved to be a major step towards the industrial growth here. The capital investment by the corporation ushared a new arm of industrial growth, both in the field of computer and capital goods.

From the above study it reveals that the wave of the Industrial Revolution effected very lete to this part of the subcontinent and as a result the demographic pattern of human settlement in urban areas developed insignificently in comparison to the countries enjoyed major industrial development. Kingsley Davie notes the vest majority of the inhabitants are city dwallers, meanly 80 percent of the people in the United Kingdom live in cities, as do nearly 70 percent of the people of the United States. Contrast this with the preindustrial civilized world, in which only a small, socially dominant minority lived in cities10 .

The magnitude of urbanisation has not been made here any substantial progress.

The traditional method of agriculture and immature state of industrial development are present in our economy due to morio-accommic capses. The world has changed so transmissually that to keep page of change it has become imperative on our part to reshape our underdeveloped agricultural society into a well belance develop/agro-industrial society.

#### C. EFFECT OF PARTISION

So-called Pakisten was born out of the historic struggle that Muslims of this subcontinent fought for finding a suitable home for their national culture. The Muslim majority areas of the subcontinent which is now composed of two separate romes was termed as Pakisten on the 14th August, 1947, as this event was termed as partition by common terminology. Since the country was originally she unit its bifurcation led to dislocation and disturbances in all espects of accommic life, especially in Angustrial activities. The economics of India and Pakisten were complementary, since during the British period some industries which were developed by the colonial administrators were located at the area which now comprises Indian territory.

<sup>9.</sup> Government of Pakistan : The Fourth Five Year Plan (Telemaked, 1970 ) P 355.

Gideon Sjoberg: "Drigin and Evolution of cities" (CITIES, Scientific America New York, Vol. 213, No.3, 1965) p.37.

The eres now marked as Bengla Desh (former East Pakisten) was the supplier of rew-materials and labour. In reality, the entreprenderal ability, technical personnel, skilled and unskilled labour employed in different industries of undivided India used to come from different parts of the country and there was no one part which was selfsufficient in this respect.

affected due to emigration of Hindu merchents, tradars and entrepreneurs of some textile mills etc. The vacum this created in the population of Bengla Desh was filled up to a great extent by the Muslim immigrants from India. This huge influx of refugees were mostly sattled in an around the different towns of Bengla Desh, among which Decca, Chittagong and Rajahahi absorbed the larget number. As result, 1951 Census of Pakistan showed sharp upward trand of population in some towns and cities of Bengla Desh.

#### D. DEVELOPMENT OF TRANSPORT AND COMMENICATION

The origin of growing urban centres, as we saw, has the product of agricultural surplus, and its accumulation in favoured location - towns or cities. This adequate food surplus was the basis of existence of towns, and the ratio of food producers to non-producers remains stable for a long time. People living in different early cities had no communication and very limited transport facilities. Residential mobility was hardly imagined and one known nothing about the man of next cities. The eros of urban space was limited with amonymous crowdy living at the centre.

Our urban life is a reversal of that encient static order and brought changes in work and mobility. It is no longer an abode of leisure class, but of a work-place for non-agricultural pursuits. Modern method of transport and communication work make it possible to reside further and participating the urban centre activities. Thus a zone of upward transition is created at different region and sub-regions breaking the barrier of rural-urban lives. This has been responsible for the creation of extensive suburban tracts of housing and sore recently has begun to inject a considerable elements of townsfolk into rural setting, and new contacts widening the rones of acquisition and exchange call for more frequent and rapid communication.

During the British rule in India, the growing concercial needs required hatter transport and communication facilities and Calcutts being a premier port and bub of administration, influenced its development focusaing towards this magnet. Road connexions between Calcutta and East Bengal centres such as Oacca Jessors, Khulne, faridpur etc. were built up and existing water transport facialities were improved to enable the hinterland to direct its goods to Calcutts.

The object of building reliways in Bengel was the same --- to supply Colcutte with raw-materials for export and carry manufactured goods from their to consumers in East Sengel. Thus chief function of rail, water and road transport was to serve with men and material to the Colcutte- Hoogly region. The means of communication between Colcutte and the erea, East Sengel was good if.

<sup>11.</sup> Nafis Ahmed : Dp.cit. P-250.

Partition of the subcontinent caused a great disruption to our transport system. Bengledesh was left with only a small port as Chittagung with limited facilities. Moreover, owing to the strain of the Second World war years, all forms of transport in Bengle Desh were badly depleted as the area was in front of supply channels for the war operations against the Japanese on the Burna-Aasse- Bengal front 12. Immediately after partition the Government started reconstruction of transport facilities connecting the important centres with unbencore and providing improved facilities for water and airports. So, the improved means of transport and communication, one of the important factor, responsible for urbanisation, does not traces its rich history in this area back to partition. Still many rural areas are left hopsiessly to contact with neighbouring communities or trade centres.

# E. SPREAD OF EQUICATION, TRAINING FACILITIES AND SPONTANEOUS TREND TOWARD URBANISATION

Economic development in the modern world demands educational facilities at every leval. This is because modern industry does not only demand skilled labour but also efficient managerial, administrative and engineering personnel. Since development of model infrastructure is a sin-que-non of economic as well as industrial development, the standard performance of teachers, doctors, nur-news, escial workers are essential. So there is need for training in those euxiliary ephages.

<sup>12</sup> Ibid, 250,

Realising the great need for development of human resources, Government in its successive plane spent a considerable amount of money on schoolston and training achomes. Needly established general and technical universities along with engineering and medical colleges at different cities/towns, drawing a good number of students and staff from different parts of the country, working as a great fillip towards urbanisation.

Education department in Bangla Desh has taken the reaponability for running vocational achools. The Directorate of Industries and Rural Industrial service of Rengla Desh email Industries Corporation are organising technician and crafts man layer training centres in the country. The latter has been found keen in carrying the training facilities in the remotest rural areas and have extended facilities to women in some suitable trades. In addition Gangla Desh Industrial Technical Assistance Centre has been opened at Cacca to offer short course training to technical man In job.

Resides the promising economic opportunity of cities, not exists in rural environment, the charm and glamour of urban life continues to draw people to cities, 'once they arive in the tity and become involved in the struggle for employment, they encounter endless difficulties, but possibility of finding employment is always present.

#### F. EFFECT OF URBANISATION ON ECONOMIC DEVELOPMENT

Positive Effect : Urban centres grow up largely because people want to be ciose to a veriety of facilities - business and professional contacts, educa-tional institutions, recreation and cultural facilities requiring participation

participation of large numbers of people, specialised shops and other people with similar tests <sup>13</sup>. Some writers uphold the idea that the correlation of industriclization and urbanisation is not perfect in any event. Large cities have developed in the past in many countries as 'cultural' and Sovernment contres or as overgrown villages. But the future economic growth will be centred in urban areas, simply because they provide both pools of labour and various public facilities. Continued urbanisation, including the growth of new population centres, is rational to be expected.

The urban centres provide both the ingredients of industrialisation:

Supply of skilled labour force and public facilities conducive to the favourable environment for investment. This is the simple reason why urbanisation and industrialisation go together. The tendency toward agglomeration of services in cities, the economics of Scale involved in urban growth and external aconomics created for other activities by each new enterprise or service established in one town are well known.

One important point is perhaps needed to atreas that highly trained people i.e. managerial class, engineers and technicians, administrative personnels of middle and high position in either the public or private sector have a great psychological inclination to live in or near cities. Even if the make of a strong resource potentiality, an industrial unit grows at a non-

<sup>13.</sup> Banjamin Higgins : Economic Development ( 1968 London) P-

urban area, public facilities are put there to give impeters for emouth functioning of the industrial business and the area is draw closer to important civic centres. Growing industrial— urban centres in and around the environs of Dacca may be ant as good examples in this lime. (Ref. Map.2) Negative affect: Sesides the welknown social problems of industrialization or urbanisation. Like delinquency, drug addiction, alcoholism, ask, gambling, bequery, crime, disease; and frustration in family bond and cultural pattern, some important fundamental problems, like unemployment and underemployment, ill bousing and alum dwelling and socio-political unrest same to be worth discussing.

Since the World war II, for substantial reason well known to most of us, eityward migration has increased to the point of pain in meny regions. The problem aspect of this sudden flight from the land is most acute in the developing countries, where the acuteness of the situation may be measured by the numbers alone, that is the employment needs of a country are to be measured by unemployment in a city excessively burdened by in-migrants.

Inspite of all the defeciencies in the employment statistics it is evident that the trend of growing unemployment in Sangla Dash is not likely to reverse itself in the near future. Economic frustration, unemployment and underemployment in urban areas are more fatal than in village. It makes political enterprise more desired as a means to status and power.

<sup>14.</sup> Senti Tangri ("Urbanisation, Political Stability and Economic Growth",

India's Urban Future (Ed. by Roy Turner, Univ. of California
Press, Burkeley, 1961) PP 192-212

From the Emmus Report of 1960 (Pakistan Housing Canaus) and from the experience of other developing countries in recent decades, it is observed that housing conditions get worse in urban areas. As confestion and slums grow, the need of to spend is more on urban areas to provide health and amenities.

A major consequence of western apprecian has been the growth of nationalist and then socialists ideologies in the Afro-Aslan countries. The constant socio-economico- political discontent, greatly manifested in urban centres, cause troubles in decision making process and smooth implementation of the public policies, retarding economic growth of the country. Its consequence is far reaching, may frustrate the whole socio-economic structure of the country. So, the desirability of the size and pattern of urbanisation is an important slement of the national planning matrix. The development cannot be skewed down on those ground. Hindering the growth cities will entail a great westage of human resource. Stability and sustained growth must be attained through the process of planned investment and distributing maximum services for the majority of the society.

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# CHAPTER - THREE

PATTERN OF URBAN GROWTH

#### A. DUR URBAN HERITAGE

The urban phenomenon is, without doubt, one of the most striking features of contemporary civilization. The history of Bengal is recorded with a rich tradition of her twon building since the 3rd century B.C. There are evidence to show that there existed a chain of planned cities with complex structure.

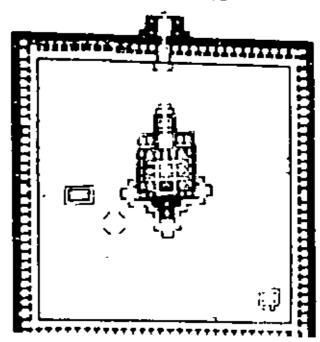
\*There were towns of considerable size in ancient and early medical times which served as centres of administration or seats of pilgrimage or commercial activity because of suitable location and facilities of transport and communications. For example, the famous towns of Mahasthangarh, the ruins of which lie on the bank of Karatoya river about seven miles north of Bogre has also been identified as the old city of Paundraverdhams. It appears to have flourished from the early Christian are till the Muslim consequent.

Panchanagri in Dinajpur (A.D. 448), Paherpur or Sampure in Rejshahi(fifth century), Nevyavakanika (perhaps in Decca), Samatata (South-eastern part of East Bangal) rose into prominance. Dither contemporary cities or those of slightly later development were Vikrampur of the Sana Kings in Decca district, Myman Maynamati near Equilia and possibly Chatigrams (Chittagong) were centres of Buddhist culture

<sup>1.</sup> Mademe J. Beenjen - Garinier: <u>Urben Geography</u> (London: Spoltiewoode, Ballentyne Co. Ltd. 1953) P.2

<sup>2.</sup> R.C. Majumder; History of Gengal, Vol. 1. (Dacca, 1943), P.643

BUDDHIST MONASTERY 10TH CENTURY AD



HINDO CIVILIZATION FTH TO 12TH CENTURY AD



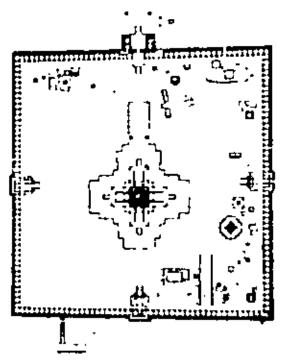
tended to serve a variety of functions being military, political, administrative, commercial or religions centres as well as catering for industrial needs. The archaeological finds at Mainemati, six miles west of Comille, reveal that Haynamati was the capital of Chandra Kinga who were Buddhists and ruled from 900 to 1050 A.O. It was then called Robbitsgiri.

Pundramagar (Mahasthangarh) was a flourising city by the 3rd camtry B.C. and remained the marliest organised city so far in Bangla Besh.According to the report of Mism-Teang, it was a prosperous city around 630 A.O. His report elso states that there was a gigantic temple at Basubihar, three miles West of citadel, built by Asoka on a relic of Lord Buddha. Paharpur somestary is a significant example of Buddhist architecture. Buildings were plenned to accommodate large groups of people and were usually laid on a rectangular grid dominated by an acropolis containing a monastery and a stupe. Excavations at Maynamati also show the same formal development as at Paharpur. Mindu architects responded to their physical invironment intelligently and edepted the form which was suthentically Bengali. The Muslims start with fortified buildings and walled cities with the special elements of architectures arch.done and

<sup>3.</sup> Mefie Ahmed : Op.cit. P. 74

<sup>4.</sup> F.A.Khan: New Archaeological Discoveries in East Pakistan (Dacca, Pub. Deptt. Govt. of E.P. 1955), P. 4-5.

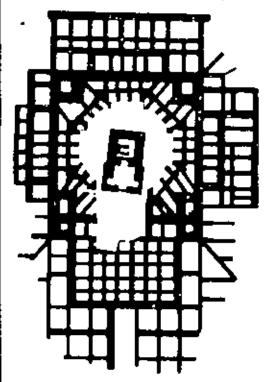
PLAN OF PAHARPUR MONASTERY.



EXCAVATIONS AT GOKUL

HINDD TEMPIA REMAINS 5TH TO 12 TH CENTURY 40

BUDDHIST MONASTERY. BTH CENTURY AD.



BY COURTESY: ARCHAEOLOGY DEPTT. GOVT. OF BANGLADESH minerate. During the early British rule, devalopment in the field of eachitecture and planning in Bengal was hardly noted worthy. However about the begining of the twentieth century we find some response to local environment in
colonial architecture. (Fig -1 and Fig.2)

Though the importance of twon building was recognised by the British rule late, the process of unbenisation was getting momentum such earlier.

\*Clives opines the city of Muraidabed\* was in his days more populous than
London and ........... Bengal at his time contained big end populous cities\*

After the solid foundation of the British rule laid over the subcontinent, 'the only cities to which growth can be definitely ascribed were the ports of
Calcutta, Boobsy and Madras and a few places in the interior, like Emmpore, but, on the other hand, there was certainly a great decrease to be accounted for in the population of a large number of old capital town, e.g. Decce.

Murahidabad, Lucknow etc., 'Industrial development in this region during the last two hundred years was almost nil. With the abolition of courts the damand for luxury goods became fade and art industry like Deccai Hualin, faced a great problem to service in competition with the cheap mechanical products of the west and ultimately due to the repeated attack on them, they succumed to ruingtion.

But a good number of district and sub-divisional head quarter towns, with a much

<sup>5.</sup> A.H. Ahmed : Architecture in East Pekisten upto 1947 (Dacce, Third Seminer On Architecture. Pakietan Council, 1968). P.87.

B.R.Gedgil : <u>Op.Cit</u>. P-

Now in West Bengel, India.
 1bid.

emaller settlements as compared to their present configuration, were surviving to catro the accio-administrative needs of the region in a limid spirit.

Orbem Planning in modern line has very much lagged behind the rate of population increase and technological advancement. The history of physical planning in the present era, for Bengla Deah, is very brist. Town planning in its rudimentary form started only after partition and continued in sema form during the first decade. From 1958 due to the growing demand of land for various development purposes planning started gaining some importance.

### B. URBANISATION : WHAT IT MEANS

Urbanisation is a process through which an increasing proportion of people live together in a concentrated locality having continuous collection of houses and enjoy in common the benefits of certain public utilities. Quantitively specking, urbanisation is a memorical concentration of people having more or less permenent settlement. Qualitatively, it is a progressive shift towards never values of life. As in numerical size there is no hard and fast line of demarcation between urban and rural, similarly, the qualitative difference between the urban and rural way of life in marginal cases tends to diminish. Still there is a minimum size below which enjoyment of public utilities is not justified by aconomy and effeciency. This may be regarded the minimum size of population to be termed as urban.

<sup>8.</sup> Urben Development Directorate: Physical Planning Progress (Darca, Govt. of East Pakistan, 1968) P-9

The standards applied for distinguishing an urban area differ from country to country and would seem to be largely based on the prevailing conditions in the country. The basis used in Pakisten for the division between rural and urban population is the population size or of administrative unit (Municipality/Town Committee) or both. According to consum definition of 1961, urban areas included all numicipalities, civil lines and contonments not included within municipal limits and any other continuous collection of houses inhabited by not ions than 5,000 persons.

In deciding the urban character of a place certain characteristics, e.g. common utilities, roads, sanitation, Schools and minimum a college, and specially non-agricultural occupation of the people are also looked into.

Thus as a special case, a few areas which had these urban characteristics but had less than 5,000 population, were declared urban areas. In the present study, some near-urban centres, from population point of view have been given the status of 'town' as they are found otherwise satisfactory with a remarkable potentiality for future development. The basic characteristics assumed here to demote a sattlement as urban area : sizable population with a non-agrarian means of livelihood and socio-cultural pattern is fundamentally different to those of rural 10.

<sup>9.</sup> Manager, Government at Publication : Census of Pakisten1961.(Kerschi) Vo. 2

<sup>10.</sup> Census of Pakistan, 1961 .

### C. URBANISATION IN THE PRESENT CENTURY

but the regions of extreme urbanisation are few and restricted. It is a varying mixture of economic and social forces which decides the pattern of urbanisation in the world to-day. A century and a helf ago only about 2.4% of the worlds population lived in town, in 1850, it reised 4.3% in 1900 it was 9.2% and 1950, 20.9%. It is estimated that in A.O. 2,000 it will be 49%. At present more than 35% of the world people living in urban environment and in 2050, it is expected to be 90%. Urbanisation decreasing a little in the older industrial countries but hardly enough to disturb the general upward trand in . (Ref. 3.1.7ab.)

Urbanization in real sense in Bungla Desh started with the dawn of this century. Municipalities which nurtured training in self- Government formed the nucleaus of politico-economico-administrative units. Facilities for education, acrops for business and commercial activities and extension of public utilities came with the administrative set up to catra the increasing needs which in turn, attracted the people to those centres. Bradually the system of transport and communication developed as flourishing trade and commerce needed and justified it. In this way a built in force was created and the growth of towns sustained exceeds by themselves.

<sup>11.</sup> Emrys Jones 1 Towns and Cities (London, Oxford University Press, 1966) P-13

TABLE 3. 1

PRESENT WAR URBAN WORLD (In order of Rank)\*

Messe of the country	Percentage(%) of Urban Pop <sup>n</sup> . (eround 1961)
England & Wales	8D.O
Israil	77.9
Cermank	74.0
Swaden	72.0
U.S.A.	69.9
Canade	69.6
Venezuale	67.2
Baharin	65.5
hapan	63.5
Union of South Africa	46.3
Hungary	39.7
Irmq	39.2
U.A.R., Jordan	37.7
Spein	37.0
Colombia	36.3
6rezil	36.2
Tunisia	35.0
Bulgeria	33.6
Algaria	32.6
Rumenia	31.3
Могоско	29.3
Pakistan (without Bangla Desh)	22.5
India	18.0
Indonesia	14.8
Bangle Desh	5.2
Mapal	2.8
Ugenda	2,4

<sup>\*</sup>Source : Kingeley Davis : "The Drbenisation of Human Population", CITIES, Scientific America, N.Y. 1965.

#### TABLE 3. 2.

#### PERCENTAGE OF URBAN POPULATION TO TOTAL POPULATION (BANGLA DESH)

1901	2.43	1921	2.3	1941	3.26	1961	5.2
1911	2.54	1931	2.67	1951	4.34	1971	7.8

#### TAULE 3.3.

#### INCREASE OF URBAN POPULATION OVER THE SECACE (percentage)

1901-11	14.96	1921-31	22.55	1941-51	18.41	1961	5.2
1911-21	8.60	1931-41	42,84	1951-61	45.11	1971	7.8

#### TABLE 3. 4

# DECENIAL VARIATION IN NUMBER OF URBAN CENTRES WITH POPULATION LOAD OF DIFFERENT SIZE CLASSES

Yest	5,000	•	10,000- 20,000	-	50,000- 1,00,000	1,00,000 and over	Total
1951	7	17	15	20	3	2	64
1961	9	21	16	23	5	4	78
1971	8	22	25	28	9	5	97

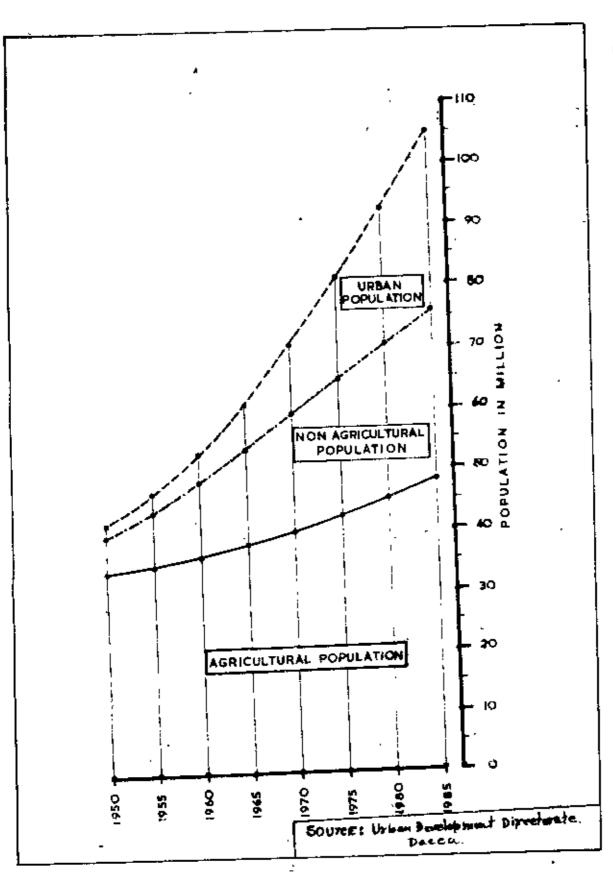
#### TABLE 3.5.

#### INCREASE OF PURAL AND URBAN POPULATION IN BANGLA DESH (1901-61)

Decade   Manarical Increase (000)   P				Percent	Percentage Increase			
	Total	Rurel	Urban	1 Total	Rur=1	Urban		
190-11	2627	2522	105	9.08	<b>0.₽</b> B	14.96		
191121	1699	1628	71	5.35	5.29	6.80		
1921-31	2250	Z152	198	7.07	6.65	22.55		
1931-41	6393	9992	461	17.96	17-81	42,84		
1941-51	-65	-384	283	0.15	0.06	18.41		
1951-61	8908	8007	821	21.24	20.16	45.11		

Source . Table 3.2, 3.3, 3.4, & 3.5 Compiled from the following envices:

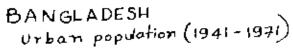
- 1. Commune of Pakinton, 1961 Va.2.
- 2. Provincial Election Commission's office Rajarbag, Oecca. (Off. files)
- 3. Project of Power Survey : Industrial Adv.Centre of Pakistan
  Motifheel, Occas.File No. PL205(Data Sabk)
- 4. Urben Cavelopment Cirectorate, Decca, Gengle Desh.

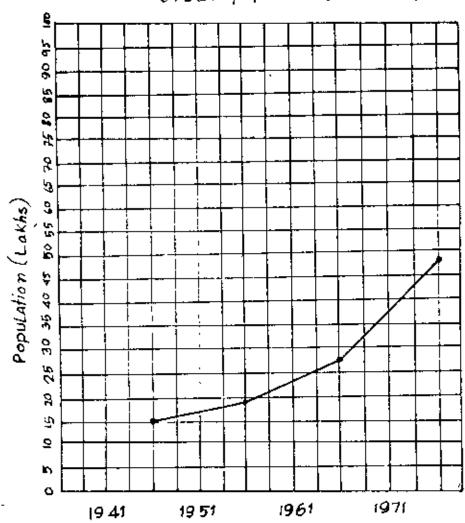


Tables 3.2, 3.3 and & 3.4 provide a Bistorical sketch of the davalopment of urbanisation of Bangla Desh. The increase in the proportion of
the urban population is more or less steady since 1901 except in 1911 when
the cities were depopulated due plague spidemic and in the dacade 1941-51.
This pariod see the second world war and the colossal famine of Bangel. These
two incidents are turning point in the history of urbanisation in Bangla Desh
In early 40 people left cities for the fear of bombing and other war rawages,
but soon the famine brought thousands and millions of hungary villagers to the
cities. Rural economy being completely shattered, people left villages with a
hope of job opportunities and better prospect for life in urban areas. There
also they met the most unfortunate fate and surrandered themselves to death.
In the decade 1941-51, though the absolute population marked a negative growth
by 65,000, urban growth trend recorded positive. (Reference Tab. 3.5.)

Then came partition (1947), which hald back to some extent the tempo of urbanisation for the time being due mean emidus and hapherard clustering of uncertainties. Actually it gave an unbalanced temp of urbanisation. But in the following decades, the extension of development activities and some amount of industrialization has turned the tide of urbanisation to an appeard direction.

Before partition the region now forme Hangla Desh fall short of other part of India in respect of urbanisation. Even after partition, this trend was continging as it was legging behind the other wing of former Pakistan. During the decade 1951-61, the rate of urbanisation was much faster in West Pakistan\* than what was going in Bangla Desh. Still, she has a wast segment of rural population





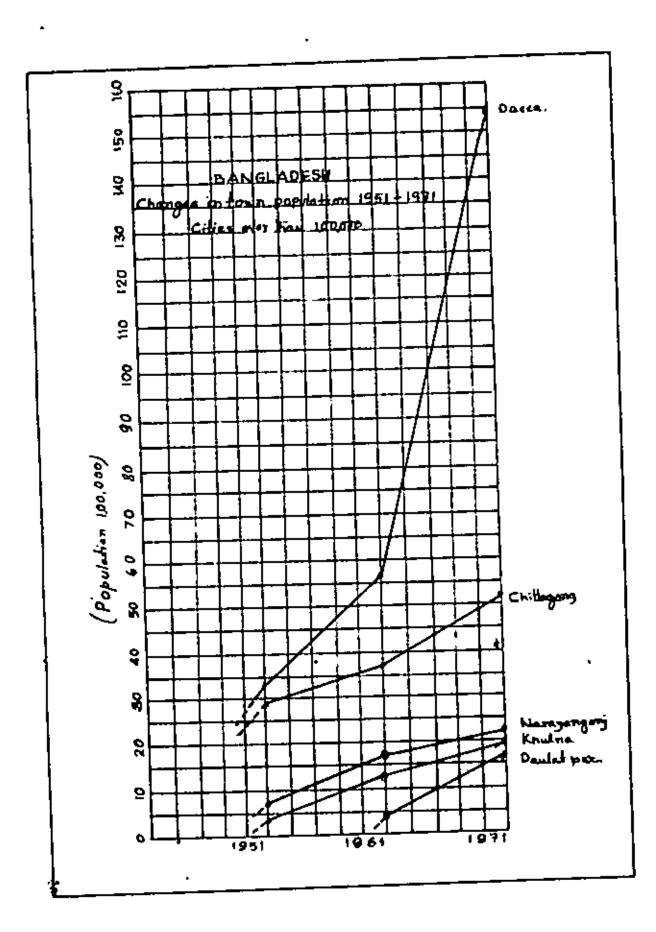
Source: Urban Development Directoral

TABLE 3.6.

URBAN AREAS AND POPULATION (BANGLA GESK)

Locality	Year 1951	Year	Year	Locality	Year	Year	Year
	4931	1961	1971		1951	1961	1971
Decce	338762	556712	1524672	Čejeca			
Chittagong	294046	364205	512974	Nersingti	1575A	15754	20819
N.Sonj	72817	162054	218670	Natora	10455	13317	15762
Khu]na	42225	127970	178030	Habigonj	10882	12097	14840
BarienlMu.	89 <i>6</i> 94	69936	95220	Bajitour	13111	12097	14920
Rajehahi	39993	56885	76582	Menikeenj		11676	15723
Comille	47526	54504	B6650	Chuedhanga	8617	11625	26990
<b>Rymensi</b> ngh	43315	53256	73406	Iswardi		11566	24610
Jessore	24176	44366	58148	Jhalukati	10009	10709	14512
Petre	32240	40792	46325	Sunangenj	8488	9642	11986
gendbar	31759	40634	4527D	Femi	4951	8917	20510
Sylhet	33124	37740	54626	Milfamari	9757	16596	16596
Dinejpur	35687	37711	46884	Jhanaidah	4570	9055	12842
Faridour	35526	20333	31796	Gopalgonj		8956	12532
Kumhtim	21628	24952	26586	Kotchendour	6004	B7D3	13714
Sigra	25303	33784	46166	Kurigram	8063	6703	13714
Tengeil	21639	23688	32162	Ruk tagacha	6982	8658	11092
Moakh <u>ali</u>	16677	19874	28712	Munchigonj	7071	6604	11013
Rangametil		6416	B212	Cox Dezer	5925	8427	12527
Sayedpuz	61369	60288	533B2	8hole	6198	8406	10760
Sirejgonj	37558	47152	55150	Sentahar	7442	6292	10614
Brahmanbari	:35B42	47784	50625	He <del>her</del> pur	7174	8147	11626
Patuekhali	10289	12325	16476	Deresna		7665	12012
Jame1puz	27076	37988	43866	Thekuzgeon	10049	7039	12252
Chenchuz	32048	34037	39860	Gouripur	6048	7028	8996
Bhairab	12040	31479	42500	Maguza		6999	14785
Rowabgonj	32446	<b>297</b> 25	35102	Houles Barar	5967	6522	0074
Maderiour	21693	25328	29272	Alexaberge		5494	8074
Speabor (MAu)		24924	<b>2</b> 9824	Kumarkhali	3896	5353	6851
Kimoregonj	29067	24031	30414	Sharpur(Bog.	}4276	4812	6519
Deulstpur		47053	1,72050	Chousehini		4544	18615
(Incl.Khalis	•			Mohaapur	2983	4153	5316
Parbatipur(T		27188	40862	Debhate	5738	4042	4621
Lazmonizhet	9170	22001	26928	Srimongai	3010	4042	5171
Nanguen	11287	202726	27128	Captal(Den.)		11967	23298
_	14758	20169	2992 <del>0</del>	Moinemoti(ce		4908	6282
	14310	17738	50550	Chandraghone	·	4331	8698
••	7431	16398	25358	Mongla port		3874	10477
	12924	1 TOOB	20660				<b>•</b>
Rajberi	11398	16004	25630				

\*\*\*\*\*\*\*\*\*



#### NEWLY GROWN URBAN CENTRES

#### Table 3.7.

1. Chatak (Coment Factory Area)	1971	4520
2. Ghoreshal		5332
3. Joydebpur		6728
4. Testingy		11515
5. Ashugonj		7850
6. Pachagoz		4209
7. Jamelgenj		3420
8. Peleshari (Oupre)		6192
9. Pekshy		5270
10. Oherapera		6180
11.Gevernadi(Berisel)		3280
12. Sarukkati *		4195
13. Ochrengonj		5115
18. Sama Mirzapur(Tangall)		9730
15. Serda		9192
16. Akgurm(Comilla)		6230
17. Bazguna(Petuakhali)		428D
18. Daudkandi		881D
19. Lekehan		7520

### <u>Teble 3.8.</u>

#### PERCENTAGE OF URBAN POPULATION IN DIFFERENT SIZE-CLASS

Year	5000	5 to 10 thm.	10 to 20 the.	20 to 50 the.	50 to 1 lac.	1 lac & over
1091	4.39	14.39	41.30	9.85	10.38	30.39
1911	4.31	11.40	29.90	23.39	<del></del>	31.10
1921	4.43	10.27	29,02	26.42	-	30.04
1931	3.98	10.66	23.13	30,64	<del></del>	31.17
1941	0.54	8.61	13.51	36.03	11.08	30.23
1951	1.48	7.42	10.02	35.96	12.49	31.38
1961	1.52	6.77	9.07	28.41	11.91	42.32
1971	1.05	3.50	8.35	23.30	15.15	48,20

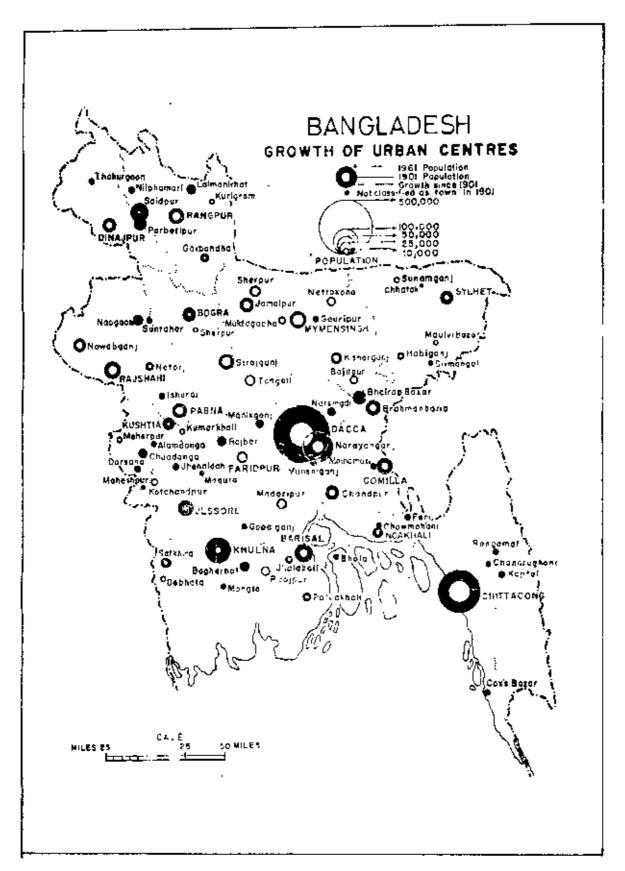
Source . Table 3.6; 3.7, 3.8, compiled from the following sources :

<sup>1.</sup> Census of Pakisten, 1961 Vol. 2

<sup>2.</sup> Provincial Election Commission's Office Rajabag, Decca(Off.files)

Project of Power Survey : Industrial Adv.Centre of Pakistan Motijheal, Decca. file No. PL205(Date Book)

<sup>4.</sup> Urban Development Directorate, Cacca, Sangla Deah.



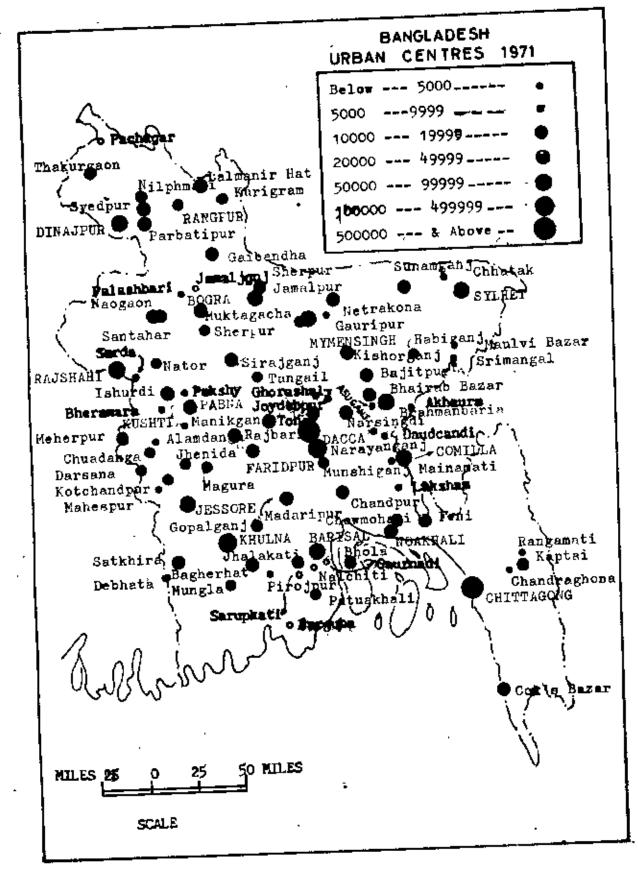
and its urben population though emall in percentage has been showing an upward trand in recent years with the impact of industrial development. In 1941 the rural population of Bangla Desh about at 96.34 percent in 1951, it was 95.66 percent in 1961, 94.81 p.c. end in 1971 it is 92.2 percent. So, during the lest sixty year (1901-61) urben population in Bangla Dash grown up alowly and gradually. The last census 1961 shows that the urben population in 1961 increased about 3.5 times, since 1901, whereas the increase of total population in the country during the same perlod was less than two folds. This means the rate of urbanisation was fester than the rate of total population growth and the ratio of urban population to the total population has been a continuous rising curve. <sup>11</sup> (Ref. Map no.3.)

### D. URBANISATION CURING THE LAST TWO DECADES (TREND ANALYSIS)

As the tables (3.6, 3.7 and 3.8 indicate that in 1951 Campus only 64 centres have been classified as urban and among them 52 full in the datagory of small and midium towns (5,000 - 50,000). Though it counts about 80 percent of total urban centres but accommodates less than 50 percent of total urban population and about 42 percent of urban population lived in towns of 50,000 to 1 lakh and over size class. In 1961 census, 78 centres have been classified as urban areas. Three include 29. Municipalities, 37 town committees and 12 other sattalite towns.

The percentage of total urban population in the smaller urban centre is decreasing while that of large urban units are increasing. (See Tab 3.6.).





All size— classes below 20,000 decline, in 1901, 41.30 percent of urban population suffering the greatest decline, in 1901, 41.30 percent of urban population blived in urban centres having a population of 10,000 — 20,000 but the corresponding figure for 1967 is unly 9.07 and in 1971 only 8.35 percent. The urban population of ever 20,000 show a continuous growth in subsequent decade till 1951 and after 1951 the lead is rather taken by the largest size—class it.e. one lash and show category cities. Moreover this size—class always cantinined the highest trend in absorbing the maximum percentage of total population. The size—class illesh and over! which in the decade period to population. The size—class illesh and over! which in the decade period to population. The size—class illesh and over! which in the decade period to

The emplyate leads the conclusion that greater percentegs of urban population in Bangla Deah live to the contemporary greatest urban centres. This trend is quite inconformity with the outside world. More than half the world people will probably be living in cities of 100.000 or more by 1990. To enjoy of scale in the process of human sattlement.

## C. CHCHING URBAN CENTRES

Afternation 50 to the tent.

Table 3.6 shows the growth of towns during the last two decados.

<sup>11,</sup> Maria AhmediOP, Cit. 308, page. 12 Kingely Davis : Urbanisetion of Ahmen Population (Cities : Scientific America New York, 1965 P-4:

While some centres have steedy rate of increase in population during each successive decade, others have widely fluctuating rates. Population as many as eleven urban centres increased at rates higher than morel. This figure includes four cities of the country- Dacca, Khulna, Marayangonj and Chittagong with a rate of growth around five four, three and two times respectively.

Another important fact, reveals from the table 3.7, is a significant number of emmerging urban centres in the country. The new small town numbering about nineteen with a population range of 3,000 to 12,000 emmerge largely because of industrial development amounted during the last decade.

Most remarkable growth is also found in the already recognised small towns like Shairab Sever, Narsingdi, Nilphamaxi, Jhinedhe, Gopalgonj, Feni, Chowmohani, Chandroghons and Mongla. The rate of increase ranges there from 200 to 400 percent. The great urban agglomeration experienced at Daulatpur(including Khaleshpur town) is an exception due to the establishment of different industrial complex and post facilities at Khulna.

After the pertition Dacce took over not only the political role of Celcutte, but also to a greater extent the commercial, financial, administrative, Industrial and ecodemic role of the country as well. Industrial development has also been notable at Khulma, Nereyangonj and Chittagong. The two ports at Chittagong Thexter and Khulma are also greatly responsible for this large applementation.

The other remaining urban centres grow at an usual rate around 100 to 200 percent over the two decades with a few exception like Iswardi, Labonirhet

and Smidpur, the three Railway colony towns inhabited by non-Bangali majority.

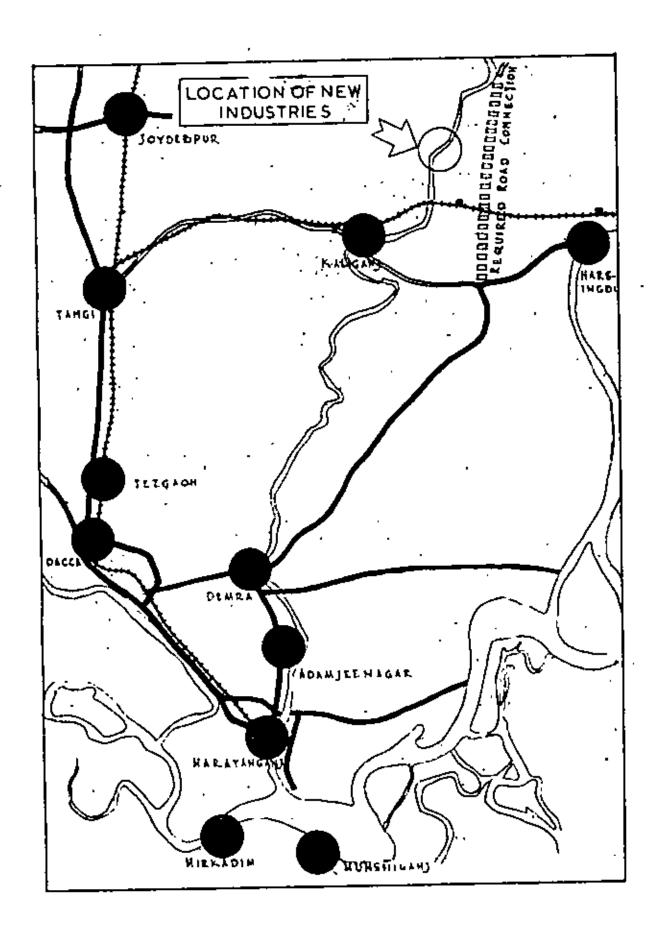
Population strength of those towns is quite considerable.

Registal gives an unique picture. During the decade 1951-61, it shows an absolute fall and by the next decade it improved somehow and represents the moral standard. The receson believed this absolute fall was, perhaps, the huge majorit migration of Hindu population after partition. The lack of better communication and other urban investments caused delay the further recovery.

Other small urban centres, like, Sreemangel, Nalchiti, Kotchandpur and Mohempur give a static or annowhat negative growth trand as is the case with Dabhata. The new town Maynemati graw basing Ar my Cantonment.

The distribution of urban centres 13 in Bengla Desh is not uniform. The total four cities of the country locate in the eastern part, and two of them, Decca and Narayangonj are within a range of 12 miles. Peculiarly enough, there is no city-like urban settlement in the rest of areas. It is true that topographical variation and urban potential difference at different regions are also responsible for that, but the deficiency in planning and resource allocation process to minimise the imbalance development by creating new growth poles in the northern region can not be avoided. In recent years, Rajahahi is gaining much importance as an important seat of administration and educational institution of the country. It is the divisional headquarters of northern districts and a considerable number of regional offices are there. The growth of its University with its attached professional and aducational colleges and also a broadcesting centre have considerably to its importance, but its location in the 13.A.M.Patel: The Urban Centres of East Pokiaten(The oriental Geographer, Decca-

<sup>13.</sup>A.M.Patel: The Urban Centres of East Pakistan(The oriental Geographer, Decca-July 1970)P-15.



Certain parts of the country have fairly large number of towns, specially in Oecca and Rajahahi divisions, while a vast areas of Chittagong and Khulma division including the Madhupur Tract of Tangail district are covered with forest and less editable for unbemisation.

The growing new towns of Bengla Desh, as said earlier, constitute and important element of the whole urban scene, giving the following interesting features :

- (1) cluster of small towns like Tongi, Joydebpur, Ghorashal, Ashuganj take place at the outer edge of Dacca city;
- (TI) the new towns of country side (Akhaura, Daudkandi, Lakhaham atc.)

  located at the cross-road exist mainly for their importance as trade centres.

  The productivity of the catchment area is the controlling factor of their size.
- (III) direct establishment of certain urban functions like health, education or industry made the centres, Mirzepur. Sarda and Demangonj to the status of town.

  Jamelgonj has come out of its own potentiality as coal reserve is found at the vicinity:
- (IV) finally, efter partition, due to the heavy migration from Barisel district, some of its prospective urban nucleus) experienced absolute decrease in the decade 1951-61, and regained moral population during the present decade.

Internal migration is an important demographic phendmans to would the pattern of urban growth and faffects many socio-ecomomic sepects of a region's development. The rural urban migration trand in Sangle Cash is evident from the growth pattern of urban centres. Continuous pressurs on more or less fixed agreeries land causing a mass rural unemployment have been exerting a mort of

"push" towards urban, but the "pull" from the urban centres, even in a hubiliating condition, has not been significant enough, perhaps, due to the most neglected condition of our rural living and limited economic scope for the providence of living. Inspits of the heavy pressure on land due to increasing rural densities, excessive indebtness, progressive subdivision and fragmentation of holdings, uncertainly of local and outside markets, decesse and environmental deterioration the present had not moved much toward the town because urban centres are also over burdened to their limited capacity and can hardly provide more economic apportunities and better physical securities to them. They simply come and tex on the existing urban facilities causing more socio-exposmic problem.

<sup>14.</sup> Mafia Ahmed JOP. Cit. P-324.

# CHAPTER IV

# URBANISATION AND REGIGNAL TRANSPORT

# A N D

# COMPUNICATION

Misterically, transportation has played a significant role in the development of any metion and there is a stringing histus between development of transportation and urbanisation. A country's economic growth, the major precondition of urbanisation, is to a great extent dependent upon the efficienty of its communications, because without adequate transport facilities there can be little progress in industry and agriculture. In places with poor communication, the extent of resource mobility is largely deprived due to surket facility. imported articles are evailable only at high prices and locally produced poods yield little profit. Lack of good communications effects not only economically bot also culturally isolated comple remain conservative and non-urban in nature as they larged behind the progress putside their world. The degree of urbanisation and influsines of equagnication system are highly correlated. Several studies show a striking correlation between urban growth and communication net work of the region. The present urban complex case much to the improvement of transport and communication on it plays an important role both in the distribution and growth of erban contres.

The serlicet of the communities ware first located on the shows of weight routes which provided a seems of exploring and utilizing the abundant natural resources. Later roads, and such loter rail mode linked the sarly sattlements and provided opportunities for expansion of existing communities and creation of new establishments. The advent of air transportation required location of sixport at convenient sites adjacent to the societing development and inswitchly high ways were constructed to service them. Since road transportation is the most flexible of all the modes of transportation and has the shility of satisfying the diversified descends

t. R.A. Ellefeen t "City- Hinterland Relationships in India" (India's Brown Future Ed. Roy Turner, California Univ.Pr 1962.) P-102

of populace for rapid and convenient movament, it has become by far the most dominant made of transportation.

Communication within the country is provided/ mainly by (1) Water ways (2) Mailways and (3) Roads.

1. Water ways : Gefore the introduction of machenical power, goods were handled river course. It was the chief wasne of communication in ancient times and even today cheep and bulkey goods which will not parish on the journey are carried by rivers including ours.

Brokenputra (James) and Maghem with their bundreds of branches of tributaries and the inland canals connecting them form an excallent system of inland water transport. There are regular stemms convices on those rivers although the year.

That from Berimal to Chittagong is particularly important for the transport of bulkey agricultural products to the ports of Chittagong for export.

The port of Chalme is connected with the water transport system of the western part of the country as apposed to the northern region due to the socibund and decaying nature of the mist of the rivers. Present position of water transportation to and into Rejababl division is very limited due to the shifting of channels in the Japane and the difficulty of satablishing docking facilities in the flood season, owing to insufficient depth of many rivers that limit the role of motorised carriers in dry season. Notorised water transport is confined to the main rivers along the seatorn and southern boundaries of the division and is limited for the reason just stated. The towns Kushtis and Jameson do not get any

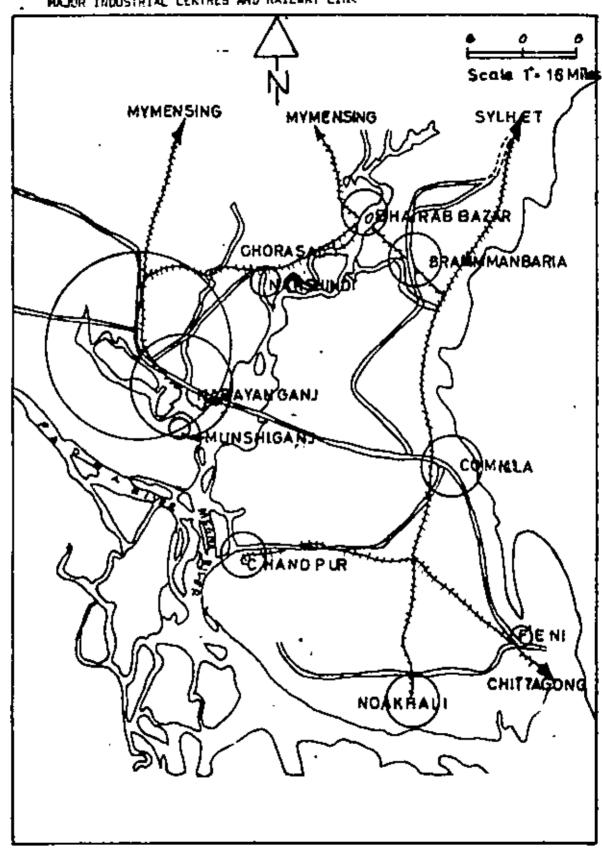
besuffit. The country bosts functions in places of secondary feeder roads and carry a large volume of traffic during the rainy sceson.

Chittagong, Carra, Marsyangonj and Khulne , the four work important urban centres of the country form a trangular zone of 'Inland water Borne Traffic. The repital Decre itself is located for water communication through the newlgable Buriquege. Water communication in Decre District is maintained by a net work of channels between large rivers. Marsyangonj occupies an excellent situation on the lower Sitelekhya and through the Dhakeswari, is connected with Meghra. This gives it steemer route commection with Decre, Gualondo, Chandpur, Maderipur, Sheirab Bayar, Sylhat, Fanchugonj, Sarieal, Khulne, Chalne and Chittagong. Chandpur, an important port town, close too the junction of Meghra and Padas, is an outlet for jute and other products of the region. The Karnephuli river with other small tributaries is the chief seems of transport into the interior to Chittagong and the Chittagong Hill Tracts.

The Khulne- Barisal route was opened as far back as 1884, etemate have been using the north —south rivers of Barisal since 1880, and a few sest—west links are also equationed. Barisal and Patuskhali districts are also well served by atsamer and during the rains small funder crafts operates ply on the di tributaries of Grahasputra. Jhalakati is a large centra of trade in this ares.

The Brahamputre (Jamune) is nevigable by steemers on far as 800 wiles
from the see, Sirejgonj en emporium for jute and other agricultural products, stands
on its right bank. In Sylhet, during the rains, the big steemers come up by HeghneSurms via Bhaireb Bazar and small steemers come upto Chhatak. There was particularly

<sup>2.</sup> Mafie Ahmed : Op.cil. P-253.



... roads in Sylhet before the British came and all communication was by water. It is not only in Sylhet, but all over the Bangla Desh, among all forms of transport and communication, water ways dominate the scene.

There are about 2, 700miles of navigable water ways on which regular steamers ply. Chandpur, Mereyangunj, Goelundo, Sazajgunj, Berisel and Khulma are the main river ports of the country. Bangle Orah fily maintains a floilile of steamers that operates between Chittagong, Mereyangunj, Khulma and Hongle.

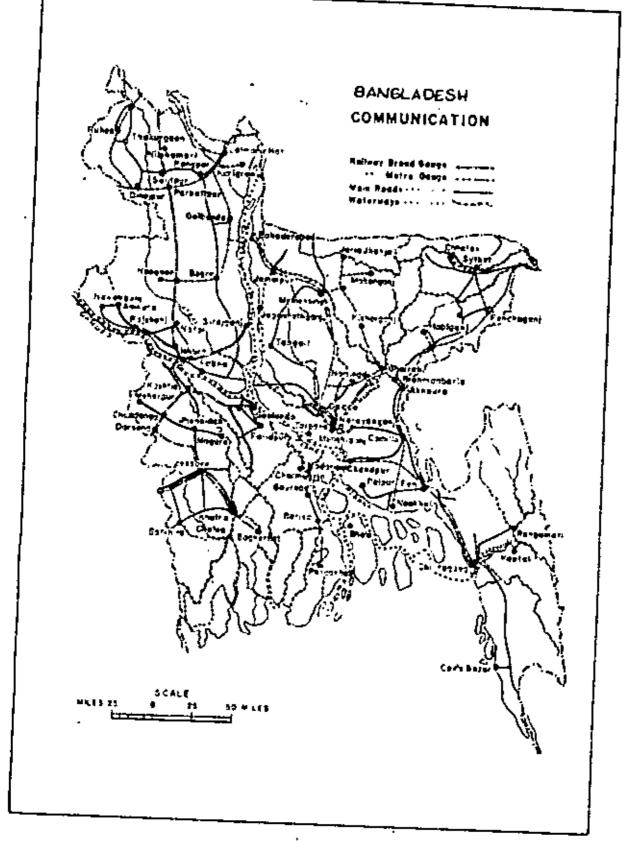
According to 1960s survey conducted by IVTA, about wore than 22,00 steamers, motor lounches and mechanised boats were operating in the country with a capacity to carry 1.07,000 passangers and 214200 tons of goods. Sesides there are more than 3 lakes country boat with a carrying capacity of about 14 lakes - passangers and 12 lakes ton of goods. There may have a programme to unchanise a good number of country boats to make the water ways communication more officient. Ouring 1966-67 the number of passanger lounch has increased considerably but in case with steamer it has been reversed.

Inland Mater Transport Authority came into being in 1958 with an object to develop the waterways communication within the country. It performs various functions relating to the development and control of inland water transport including its major achievements by the establishment of powered farry services butween (1) Marayangonj- Dauckendi, (2) Dance-Tarabo, (3) Aricha-Magarbari and (4) Aricha-Goelundo commecting main highways of the country.

In the process of inland waterways development, comparatively less deva-

<sup>3.</sup> Ibid.

<sup>4. \*</sup>TWTA: Inland Water Transport Authority of Bangle Desh, Head Office, Decca. Unofficial Source, IWTA, Decca.



loped gream of North Bengal may be connected to the important ports and port-towns of the country by establishing new river ports there. Location of each a new port may be at Gere. Shehazadpur or Ullapara of Pabna Cistrict.

After the achievement of independence, a new diseasion of communication has opened up with India. Before the war 1965 there was a convenient route through the Gange and Japane to connect Calcutta port with Asses and Tripare state. This can down be revised and developed for our mutual benefits. This will help us to boost up our trade and converce and help thereby to earn precious foreign exchange.

#### Raillwayn

Reliveys are the most popular scene of communication. Long journey on these involve little loss of time and heavy freight can be carried easily. In faciliting the movement of people and goods railways have also helped to radice the damper of famine. Besides the economic and strategic value, railways are also important gource of revenue to the Govt. and provide employment for many people.

Bengel was a century behind other north Indian Provinces in material progress which experienced neither may true road system nor any railway as late as 1862 when first railway (Celcutte- Kushtia) appear in the scene. By 1901 the railway system was much devaloped and owed its origin to political rather than convertial or agricultural reasons. Though railways were originally built in Bengal to link up the existing urban centres located on the banks of river, and have therefore, not materially affected such the distributional pattern of exis-

<sup>5.</sup> A.R. Pelik : Hundred Years of Pakisten Railway (1862-1962)Karachi, 1962. p.14

<sup>6.</sup> Ibid.

ting out the resource from the region. The sain object of the British was to supply Calcutte with rew materials for export and to carry manufactured goods from there to the communers in East Bengal and there by to make Calcutte region as a sest colonial development. This was actually not even a bimasing for the Calcutte region as it created a severe imbalance in the process of development there. Anyway, it continued to caputure an increasing percentage of total freight and passanger diverted from the river ways of wouth and South-western part of Bengle Desh.

Bengle Desh had altogether 1714.47 total route milege of railways serving about 40.5 percent of total population through 417 stations operating over 63 routes. Of this milege broad gauge (5 ft. 6 in) was 545.63 miles, matre gauge (3 ft. 8 in) 1146.64 miles and narrow gauge (2 ft. 6 in) 19.75 miles. The total 1 length of tracks operated was 2559.22 miles serving about the 30 percent of total area of the country in 1961.

#### Reilways : West of Jamuna

The Padae and Jamune deservates the mater gauge in east to the area of broad gauge in the west with a few exception in the Rajahahi division where shout 320 miles of mater gauge provail connecting Suzigram, Paristipur, Ginajpur,

T.Mafie Almed: Do.cit. p-250.

<sup>8.</sup> A.M. Hous: Economic Development of Calcutta Matropolitan Ciptrict, Indian Journal of Region Science. Vol. 1 Mo.1 Kharegpur, p-39.

<sup>9.</sup> A.M.Malik & Op.cit. P-14.

Ruhie, Thekurgson, Bogre, Southern, America, Godegeri and Mawebgonj. Actuelly it serves as feeder to the broad gauge system connecting at Sentehar and Perbotipur with a spur to the ferry service-across the Jamuna at Phulcheri ghet. The broad gauge main line stratches from Khulna to Chilahati branching to Benapole, Darsone, Goalundoghet, Faridpur, Shatispara, Kumarkhali ghet, Sirajgonj and Rajahahi. It connects all the western region except Sariesl and Patuakhali. The traffic is heaviest on the line from Khulna to Goalundo, Khulna to Sarajgonj and Sarajgonj to Rajahahi. Khulna division including the district of faridpur, there is, 355.57 miles broad gauge crossing the Marding Stridge at Paksey, and thus connects Rajahahi division with the division of Khulna 10.

## Reilways on the Eastern and Central Zone

The main metro gauge system in the Eastern and Central regions are divided into two commercial as wall as transportation districts of Sacca and Pahartali controlled by Sheirab Gazer and Chittagong respectively.

According to recent statistic, it is estimated that Sangle Desh Railways service on area of nearly 17,510 equalles or about 33 percent of the total area

<sup>10.</sup> Pakietan Eastern Railway Tima Table & Guide, Oncca June 1, 1970.

of meanly 17.515 mg. siles or about 33 percent of the total eres of the country by om intricutive system of relies networks connecting 417 stations in all 30 of which are reliesy junctions 11.

The impact of rail transport on the location of growing urban centres is apparent which have influenced the general distribution of population by an over all effect on trade and industry. Some towns one their rise and subsequent development mainly to the railways, examples are, Parhotipur, Santahar, Marayangonj and Temrdi, Saidpur, the mixth largest twon in Bongla Gash is a creation of railways. Formerly, it was on the important Calcutta-Jalpaiguri routs and was momental livelier place. At present it has the major workshop for all the broad gauge lines.

The cluster of towns in the South-Mestern districts of Kushtis and Jessors can be attributed largely to the batter railway transport facilities the eres emjoys. Socause of its military rivers, surface transport ( i.e. road and rail road) received greater importance; and because of its proximity to Calcutte. British trading interest was extensive and commercial activities better devaluped there.

All these worked as potential inputs for prospective urban growth in this area. After the war of 1965, the communication between Culcutte and Bungla Desh stopped which cast a fade shadow over the development of this region for sometime which starts gaining momentum gradually out of its own resources.

ft. Ibid.

- 52 
<u>Tuble- 4-1</u>.

<u>DEVELOPMENT OF RAILWAYS</u>

Teaz	Mos.of passenger (MDn.)	Distance covered (Min.miles)	Cargo carries Abbn.tones)	Cargo carried areas (ove- red.
1965-66	67.2	1788	5.6	856.0
1965-67	73.0	2005	5.1	<del>60</del> 9.0
1967-68	70.87	2077	4.8	805.0
1968-69	72.83	2505	4.7	725.0
				•

Source : Dainik Bangla : Fab.5, 1972, Oacca, "Economic Reconstruction of Bangla Deah : Transport" by Prof.S.M.F.Rahman.

The fig. shows two reverse trends : (1) The number of railway passengers and the distance they travelled are increasing gradually, but (ii) the cargo load showing a diminishing trend. So the conclusion may arrive that the bulk has taken alternative means and probably that is roads.

#### MOAPS

In an agricultural country like Bangle Deah roads are essential for carrying fers produce from villages to the markets, raw meterials to the factories and for distributing manufactured products to the nearby villages. In our country helf of the year remains dry and in the rest half only three months may be taken as affective for transportation by water ways. Ouring the dry season in over TD percent of the land the means of communication and transport is by roads and railways 12.

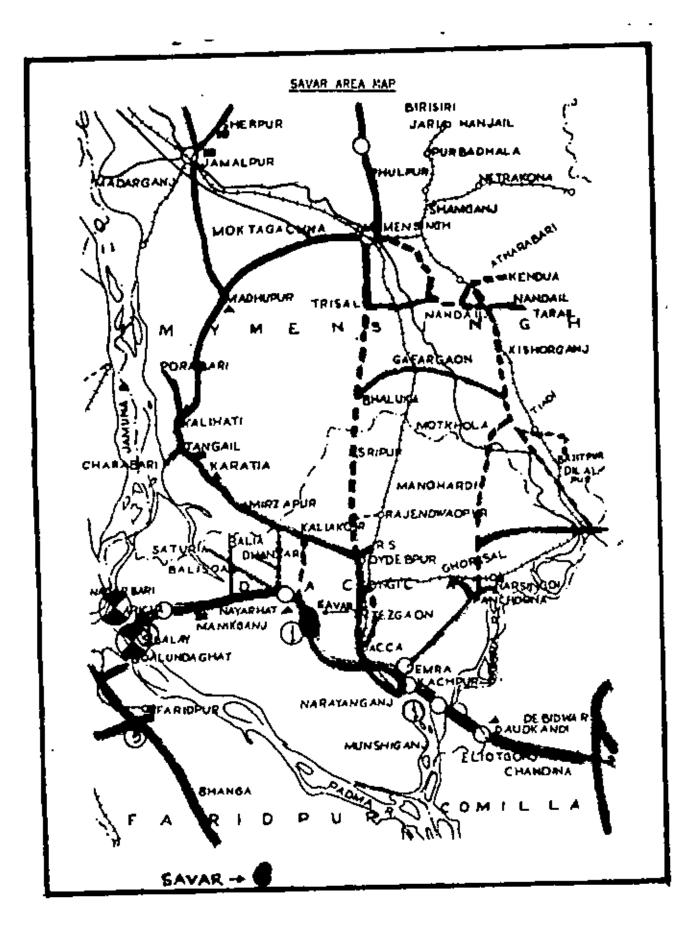
<sup>12.</sup> Physical Planning Progress Op.cit. P-

Before the middle of the 16th Century Bengla Deah had practically no roads. During the Muslim period Sher Shah built the femous Grand Trunk Road that connects Delhi with the western province. It enters in Bangla Deah through Bengpole in Jessore district. The Mughals built a number of roads passing through Bengla Deah sout of which have been disappeared as a result of neglect and river action.

mafter partition there was only 285 miles of pawed roads and the largest of superior surfaced road was a 35 mile section between Sylhet and Tamebil on the route of Shillong. In fact the road system consisted in short of segments radiating from principal centres of population and econopic activity. Convictions between these centres did not exist except possibly during the dry sceson. In 1953, in the whole province there were 990 miles of Government, district board and summicipal mettalled road and unmetalled miles did not exceed 24.446. Unload Spard and village roads were 18 miles and 32.561 miles of metalled and sametalled category respectively.

During the lest decade, noted worthy development is the Decce-Ariche Road (55 miles) constructed to connect North Bengal and Khalne via Magarbari and Goalando ghat respectively by modern farry system. Another is the largest trunk road of the country (about 350 miles) from Cox's Bazar and Mymansingh via

<sup>13.</sup> Nafis Armed : Op.cit. P-259.



via Chittagong, Comilla and Oscom, interrupted by a single forry only at Osud-kandi on the Meghna river. Other Rejor roads now in service are as follows:

(1) Jessore - Jhensidah Road, 67 miles, (2) Bogre-Rangpur, 68 miles, (3)

Sherpur- Sirejgonj, SD miles, (4) Atsikola (Pabna) - Bogra, 64 miles, (6)

Rangpur- Chnajpur, 35 miles; (6) Goalundo- Magura, 33 miles. The Bangla Dash

Trunk Roads provide the link in the system of Asian Highenya. The following

trunk roads connecting (1) Teknaf in the farthest south with Rymansingh. (2)

Exmilla- Sylhet. (3) Nagarbari-Bogra-Rangpur- Chnajpur- Tatulia, (4)Khulna
Jessore- Kushtia- Iswardi- Natara- Rajahahi- Eswabgonj and (5) Barisel-Faridpur
Goalundo- Magura- Chandreghona- Maharpur, are of recent origin. At present the

country has 1.983 miles of metalled and 57.000 miles of unmetalled roads 15.

The typical features of our road system arm :

- (i) they run paralled end close to the railways; though the recent development gives a bit different picture;
- (ii) the all over network of transport and communication is not optimally planned rather a hapharard patchwork to connect the isolated development cent without giving proportion benefits to the country.

Our wajor industrial- urban centres Dacca, Chittagong and Khulma are located on the banks of Buriganga, Karmafuli and Rupsa- Shairab river respectively. Potential industrial- urban centres like Marsyengonj and Norsingdi ere

<sup>14.</sup> Ibid.

<sup>15.</sup> A.R.Choudhury: <u>Road Development in East Pakista</u>ns past and present; Highways in East Pakistan, Sullatin, 1958-68 Great Decade of Development, R & H, Decca. P-19.

<sup>16.</sup> Nafis Almed : Op.cit. P- 239.

developing along the river Sitalskips. But the roads and railways cart their obvious influence in the process of these centres' development atructure. Occas stretches from Naraingdi and Mozoyangonj and from Marayangonj to Occas towards south and south-east, and towards north and north-west it atra-these upto Joydabpur via Tongi. The influence is also prominent in other industrial metropolis. In Chittageng from Fauzderhat to the mouth of Karnafuli, from Chittageng to Kaptai and Kaptai to Hathhazari; in Khulna from Kheliapur to Caulatpur, more than BD percent of the country's total industrial development took place along these belts<sup>17</sup>.

The Ribbon pattern of development in our many towns like Rejabelia. Heter, Chendour, Pebna and Mymensingh are found along the major routes of transportation. Indigenous forms of transportation are more efficient ancouraging traval to end from the city. Villagers are considered to fall within the ribbon of they are within one mile of rail line.

From the remember of Prof. S.M.F. Remem<sup>18</sup>, it reveals that if the following new roads are to be built to connect the subdivisional headquarters with their newrost trunk routes, it will facilitate with easy means of communication from there to Decca.

<sup>17.</sup> Physical Plenning Progress. Op-Cit. P-

<sup>16.</sup> Prof. S.M.F.Rehman 1 <u>fconomic Reconstruction of Bancle Des</u>h \*Ominik Bengle\* Feb. 5,1972, Decca.

Toble 4.2 (Proposal for New Roads)

Home of the Sub- divisional field Quarture.	Pop <sup>H</sup> (Lakh)	To be connected with	Reads to be built (Miles)	No.of Pessangers (Lakha) to be benefited from this new construction
Sirajgonj	11.0	Sogra Trunk Rd.	12	.92
Milphemeri	6.39	Milphomeri-Saidpur Rd.	14	.52
1.Endshoute9	10.70	Patoskhali-Berisal	25	.43
Segochet.	7.93	Regerhat-Khulma	20	.40 .
detrokona	9.61	Netsokona-Rysensingh	25	.36
Pirojper	9.31	Pirojpur-Barinel	28	.33
Gopelgonj	6.57	Gopalgonj—Faridour	45	.15

From the above table it is estimated that about 60 lakes of people would be benefited from the proposed total 170 miles roads.

\*\*\*\*\*\*\*

# DAPTER V. URBAN STRUCTURE

Development of urban structure reflects the sconomic attainments, it level of technological knowled and socio-cultural pattern of a puople to a greater extent in the form of street pattern, types of buildings and the distribution and arrangement of urban land wass.

No two towns have sites that are exactly similar, but it is not difficult to recognise weldefined categories of town sites. Certain physical features, for one resear or another, have been favoured for the setting of towns and provide a basis for classification of towns according to site type. The site is enlarged in the process of urban growth, yet it nevertheless remains an area local and relatively restricted, and as such is only part of a wide setting which effects the oxigin and growth of urban characteristics. Bangla Duah is a land of rivers, and most of her towns locate at their banks.

Although the internal pattern of each city is unique, in its particular combination of details, most cities have business, industrial and residential districts. The forces underlying the pattern can be appreciated if pattern is
focused on three generalisation of errangements— by concentric rones. Sectors and
multiple nuclis<sup>2</sup>.

# Mature\* of Human Settlement in Brban Areas

A. Concentric Zones : According to concentric zone theory, the pattern of growth

<sup>1.</sup> Arther E. Smalle: The Geography of Towns (London: Hutchinson and Co.Ltd. 1953) P-42.

<sup>2.</sup> Egon E.Begel : Urban Sociology (London, McGraw Hill Co. 1955) PP 94-113.

of the city can be best understood in terms of five concentric zones\*\*.

(†) The Central Business District is the focuse. It is the down-town rail district with its departmental stores, swart shope, Office head quarters.

Encircling the down town ratell district is the whole sale business district.

Sadarghet in old Dacca and the Motifheel, Gulistan and Sagun beginne areas in new Dacca are close to the pattern. Administrative sons in district head quarter does not fall in CRD, rather this forms a district zone with superior environment.

<sup>\*</sup> All those concepts developed according to the socio-economic structure, one of the main forces behind the urban form, in western countries, which is obviously not similar to ours. Bur urban form is a blending mixture of western as well as indigenous culture. This is true to the case of all old towns in our country. Still some similarities are found in our developed city-acape, specially in Dacca, where American urban pattern has been imported to introduce a modern look to a great extent. Moreover, the theories give a scientific basis to analyse the urban land-use nature and its process of growth and decay. So, incourse the theoretical discussion, some illustrations are set from the condition of Dacca and other related urban centres of our own.

<sup>3.</sup> Op. cit. Begel : P 94. \*\* Theory propounded by Burgase.

- (2) The Zone in Transition, encircling the down town area is a cone of residential deterioration. Business and light manufacturing encrach in residential areas characterised by rooming houses. In this rones, principal alums are with their subserged region of poverty, degredation and disease and their under worlds of vices. In most cases these areas are inhabited largely by colonics of lamigrants. Areabeg and Fakirapole of New Oncom area may come under this category.
- (3) The Zone of Working Men's (independent) Home: This is inhabited by independent workers who have escaped the zone in transition but also desire to live within every access of this work. In many American cities second generation immigrants are important segments of the population in this area. Tojquon may fell in this group.
- (4) The Zone of Matter Residence : This is made up of single family deallings of exclusive restricted districts and of high class appartment buildings. Democratic residential area (Dacca) is a good example in this line.
- (5) Finally, <u>Computers' Zone</u> which is located, often, beyond the city limit in suburben areas su/in satellite cities. This is a zone of epotty development of high class residences along lines of rapid travel, as Gulshan Model Town, (Gacca).

The study of urban structure needs the interpretion of the existing import of roads. (2) pattern of land-use and the (3) characteristics of essociated buildings, land use pattern of many towns of different character and magnitude have been studied and the deduced generalization has been out in this paper.

Our cities bear the impression of western civilization as well as indigenous cultural forces acted on them. The presence of chain of mosque, tembs, Idgah reflect the influence of Muslim cultural tradition. There are certain district characteristic like etreet bezer, house-shop combination are typically common to the devaloping countries of south-sest Asia with preindustrial urban status. The internal etructure of urban form, specially the narrow etreets clearly the indicate the low level of our technological devalopment and least prevalence of vehicular treffic.

#### Road Pattern

The roads of our town is a result of natural growth and not of conscious design. They can be broadly devided into the following classes on the banis of their functions :

- (1) Primary or Arterial Roads : they link the town with their unland and also other towns. These roads carry troffic which originates offside the towns and they have destination inside the towns or view-verse, and also carry through traffic which has got no function in the sity at all.
- (2) Secondary or Sub-arterial Roads: ere the major roads of the town in liniar or radial pattern. They carry the main burden of the inter-town traffic productionarily vehicular traffic. The main commercial or shoping areas of the town are located on these roads. They inter connect the neighbourhood roads of the town, and take different name at different section. They consist of establed and brick-pade surface with 8 to 20 feet width.

(3) <u>Tertiary or Maighbourhood Roads</u> t are the roads other than primary and ascendary, serving the inter-maighbourhood communication. They also provide access to secondary and primary roads. Their width is generally not more than 10 feet and often less than 8 feet.

The streets are irregular in pattern, nervow and crooked. The main vehicular thoroughfare are also not always estimatory. They are often without side welks and encroached upon by booth and projecting open fronts of the shops line on them. The side streets and alley are usually such narrower and so crocked as to be almost impessable for wheeled vehicle.

The road network in newly developed city-site gives a better account with their gridizon or richilinear pattern. The residential and commercial built up during the last decade display a rectangular pattern of streets relatively wider and in most of the cases provide side walks. The inter-urban wass transport system has improved a lot though it could not estimate the ever increasing values of traffic to and from fast growing matropolitan centre. The system also links the outlying suburbs. Absence of any official record of daily traffic movement of the city discourages any enalytical study. Nowever the existing bus services in Ducca are run by

- (1) Omeca Motor Vehicle Association
- (II) Bangla Cosh Road Transport Corporation

<sup>4.</sup> F.Karim Khan & W.Masood : "Urben Structure of Comilla Toum"
(Oriental gangrapher, Dacce, July, 62)

The Corporation bus run along almost all the roads with about 120 busses plying on various routes. The everage number of passanger travelling parday is 1,00,000 which represents about 12% of Dacca's day population 54.

Bicycles, cycle-rickshams and pedestrain account the major volume of traffic. Notor vehicles and animal-drawn carts are frequently seen on the streets of towns. Oftourse, the letter is gradually decaying in was. Cycle-rickshams provide the most popular and cheep means of transport.

#### Pattern of land-use

from a gisple look over our urban scene, with a few exception of recently developed metropoliten sites, it is quite evident that our towns have developed naturally, not in a planned memor. So, it is obvious that their growth has been haphered, inefficient and unhealthy. Mixed land-use is prominent in all towns as there was no restriction in the post which is now posing a great threat for future planning.

Sub-divisional and zoning regulation was almost unknown to them; even to-day common deallars do not such think of the benefits of planned living.

Due to the lack of modern mass transport facilities, people wants to live close to their business error resulting a small areal space with high density of living in urban scene.

<sup>5.</sup> E.P.R.T.C. 4th Angvergary calchration, Dacca, 1965.

However, the general pattern of land-use has been categorically enalyzed synthesising from the experience of different urban centres, under the following headings of separate zones consitute the whole urban space.

Residential Zone: Remidential areas are scattered all over the towns. Even in business centre, ground floor is used for commercial activity, while the upper stairs are being used for remidential purposes. There exists a great confusion of land uses due to the intermingling of shope, commercial premises, small factories, godonne, government and semi-government offices within the same zone and the district remident meighbourhood are hardly identifiable. Acute shortage of remidential accommodation is recently felt, specially, in growing industrial town like Chambur.

flid areas are densely populated in comparision to newly developed areas. For example, in Rejshehi, the old areas like Sabeb Sazar, Shoraware, Segurpare, Reni bezar and Kamarpare are most densely populated whereas new areas along the greater Road, Kezi hate, Lausiapur and Sapura are comparative liveble, and some amount of environmental opportunities are found there.

Within the residential areas there is almost no public and private planned open space, and so play ground for boys and recreational facilities for the alderly people are rere evaluable object. Incidental open space or fallow land becomes play ground under the fest of young generation.

Residential cum commercial, business and industrial land was in the same arms, which is often found in our town, leads to a hub of most undesirable crowd and congestion, a zone of residential slum. With the passage of time.

Old residential neighbourhood have deteriorated and new upper class area has developed. There are some degree of community considerance and paramel indenfication of the inhabitant with these neighbourhoods. Examples are : Nikeripara
(arms inhabited by figherman, Benis para (inhabited by Rejority of Nindus business wen) and so on. Ofcourse, these boundaries are weathering out now-a-days and
to subtrace all is becoming the trand.

- 2. Commercial Zone: The central business district which is the chief nucleus of the commercial activities is in most cases located at the heart of the town and popularly wakness as began or cheek. It developes along the main roads taking a linear pattern through not always under the same shade. But with a few exception of neally developed shopping centres in cities, they are unlike the pricint type or what central business district means in western countries, and are not free from traffic hazard. In addition to the wholesale and retail transaction of stationary, grocery, textile products, medicine, books and shoes, raw fruit, exectment shops, ten and pan- cigaratta shops, and small estrice industries like laundry, heir-cutting saloon, tailoring shop, small flour mill and vahicle repairing work shops are found, there. Sanke, restaurants, hotels and some private business offices are established facing the compound roads.
- 4. The zone is crowed with numberless small retail shops which deal not only food, cloth, jewellary end hardwere but agricultural products and things needed for agriculture too. Excups of competing marchents tend to occupy a particular section and generally some strests or areas are identified in dealing cartain particular cosmodity like "Sommpoti" means an area deals in gold and ornaments. Recently a trend

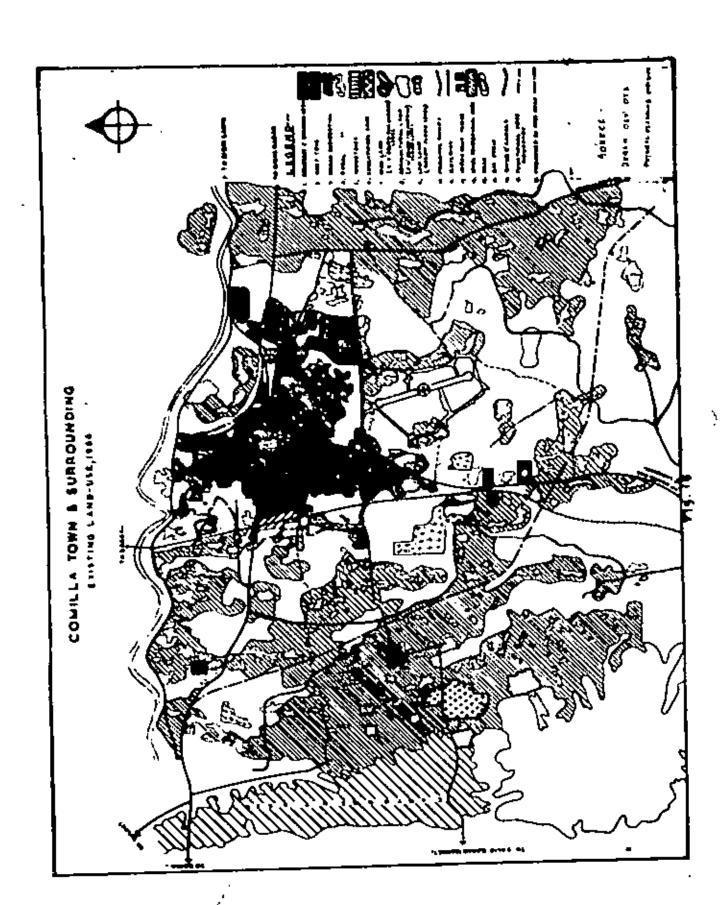


is noticed from the government muthority to develop a bettern marketing space in the form of New Market in all district and mub-divisional head quarter towns.

- 5. <u>Soverment Zone</u>: The administrative eres or civil line occupies in important part of the town. The important government offices so the collectorate, civil court, police lines, municipal office jail atc. are located in this eres. The areas engragation of the Government rone is more or less marked. Good buildings housing the government offices, Specious bungalows on western style for government officers and wide metalled roads make this eres distinctly different from other parts of the town. Share accommodation for bousing of the new offices is not svilable there, they are often housed in requisitioned private houses in some residential erems. This recent trand of administrative location is marked along the main road in a scattered menner causing great inconvenience to the public and affective administration.
- The academic institutions of both types : prefessional and general have been located wherever the space evailable without giving any consideration to its environment. Somewhere it is in the congested central business district so the case with Rajahahi Government college and Collegiate School, Comilla Zilla School and Pabna Govt. Sirla High School; examples within better neighbourhood and most of them are outside residential naighbourhood.

The newly developed computes of Rajshahi, Chittegong and Hymensingh

<sup>\*</sup> A newly designed shoping centre.



University give a different view. They are every from the spine of city and essociated with a natural surrounding guided by a considerable amount of planning quality. Outsiencies in planning are there also, but they are not so such handicapped like some famous old institutions of the capital—the Dacca University, Engineering University. Medical college, Dacca Quaid—a—Area College and Jagannath College. To illustrate this lack of Planning, it may be mentioned that faw years back a girl was run over by an automobile while crossing the road to go to class from girls' dormitory of the Dacca University. The environmental condition of tir Salimullah Medical college, located at old Dacca is more deplorable.

#### Social Space

The social and recreational areas of the towns, like Town Hall, Stadium and Edgah\* are generally located around the central business district at different apots. Town Hall is the civic centre and often this is used as a venue for musical, descing or other functions. The stadium provides the facilities for local genes and aports. It is also the venue for assual agricultural and industrial achibition.

Public parks and play grounds are there but quits insufficient to demand. In some town ambandment is used for morning and avening walk of the people. There are normally two to four cinese hall in midium and hig towns located most of them in central business district. The restaurant is, however, a must in all the neighbourhood centre of the town.

<sup>6.</sup> Meer Mobasher Ali: University Area Planning and Architecture Third Seminar on Arch. P- 108.

<sup>\*</sup> Edgah is a place where the Muslim offer congregation preyer twice a year on the occassion of Ed-ul Fitre and Ed-ul Azha.

Quantitative Analysis of Land-use Pettern

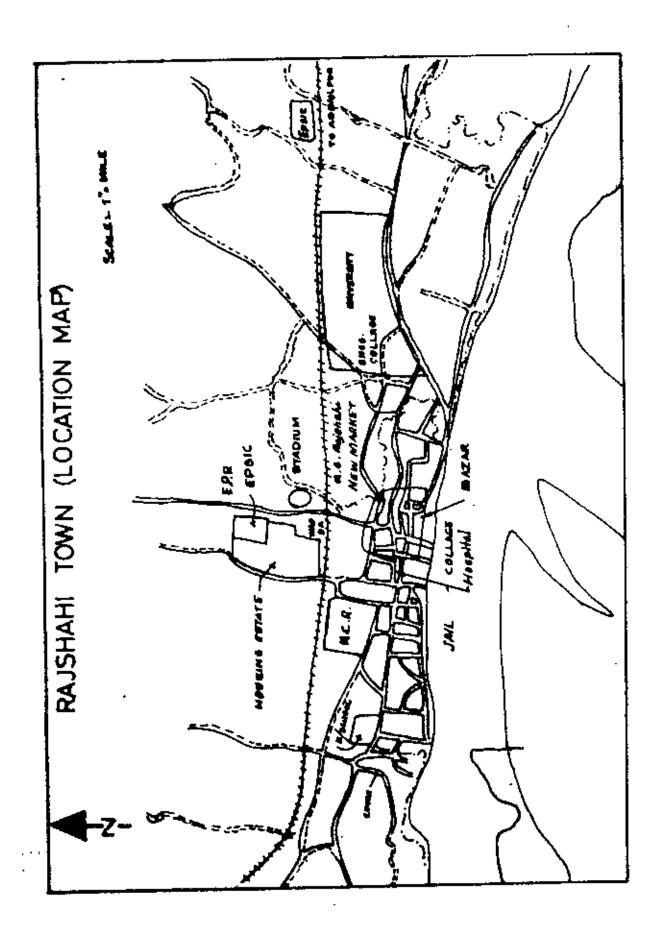
Table 5.1

- 67 -

51.   Description			[Comilla		IChendoux		Bogra	<del></del> .
no, of Use(Yons)	Area(et	re)  P.C.  tota erca		P.C.	I Arms	₱:c.	[Area	P.C.
1.Commercial	42,00	0.90	60,00	2.40	89.50	4.30	75.00	8.54
2.60 <del>vorment</del>	167.50	3.70	105,00	3.39	184.50	9.30	139.70	15.95
3.Remidential	1270.50	28.10	1127.00	42,00	610.00	30.60	240.00	27.80
4. Education	1350.00	29.80	42.00	1.57	59.75	3.00	47.30	5.40
5.Agriculturs	137.00	3.00	660.00	24.61	417.00	20.28	168,50	18.34
6.Industry	320.50	7.20	40.00	1.50	53,80	2.70	44.70	5.10
T. Emberkment	date do ĝot evei lebla	-	709.00	12.00	14.40	סד.נו		-
C. Roads	\$55,00	12.30	708,00	4.40	50.00	2.50	120,00	4.5
9.Terk,open space & Perk	661.00	15.00	262,00	9.38	210.00	10.60	154.00	6.75
D.River Commai		<del></del>	235	8.79	6.25 (Jetty)	.30		
<del></del>	4529.00	100.00	2680.65	100	1967.25	100	877.00	100,00

Source : (I) Author's unpublished paper : Lend-use Analysis.

<sup>(2) 0.0.0.,</sup> Dacca.



R

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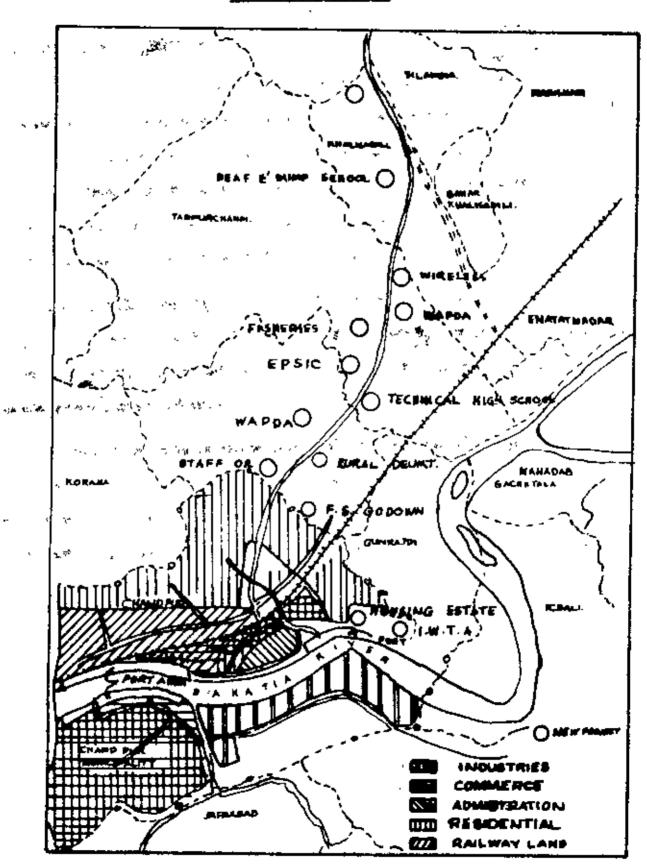
1

#### Findings

- (1) About twenty to forty percent of urban space is used for residential perposes and the density of housing in some town, like Rejshahi, is such higher incomparision to other towns.
- (2) Some amount of agricultural land exists within urban space in all towns.

  Though the main difference from rural to urban living is the non-agricultural occupation, interesting enough, wixed profession and living are quite common in our urban seems.
- (3) Around ten penet of total space is left open in the form of park, vacant or fallow land resulting a great wisuse of scarce urban space. A good park or any other planned recreational space is rare available.
- (4) Assume Educational zone constitutes a negligable percentage of total land use, except in University towns. This way be taken as one of the criteria to justify the minimum opportunity provided for education in our country.
- (5) Except a few industrial-based cities like Datce, Hereyengonj, Khulna and Chittegong, Industrial establishment in other everage towns is poor, and autometically enjoy smaller apare.
- (6) Most of the town have the danger to be washed by flood and so there is a need for exhankment to protect the ravages.
- (7) Higher the agglemeration, higher is the percentage of road Space- During the leat decade, urban roads experienced a development both in width and surface quality.

# CHANDPUR LAND USE MAP



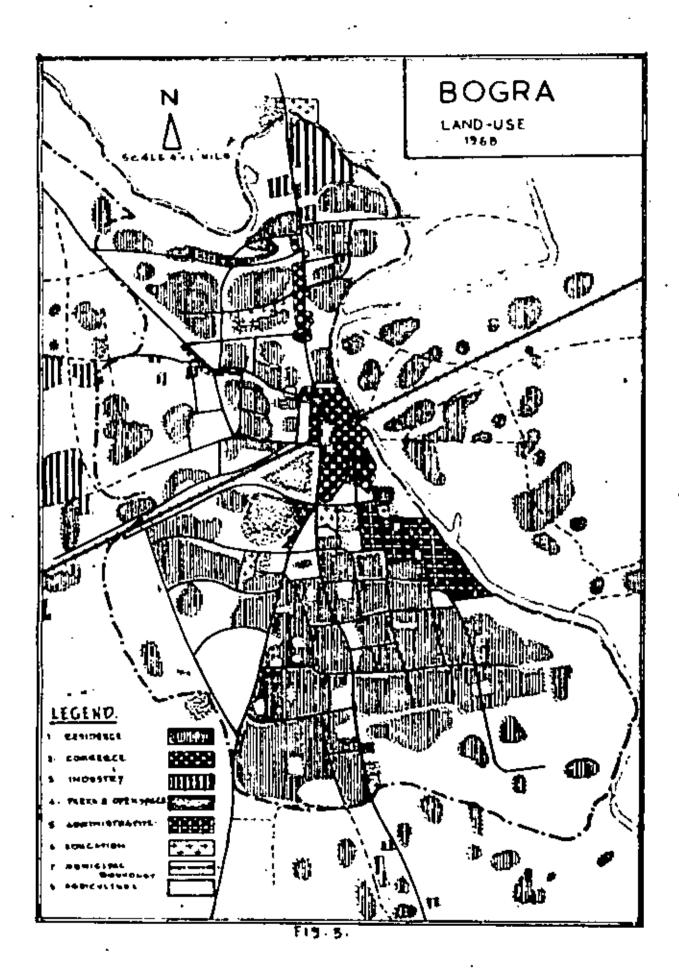
### Cherecteristics of Buildings

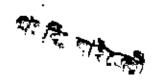
Two hundred years of British colonialism was empressedly effective in strangulating the florious Mughal culture of this subcontinent. The highly developed indigenous building arts of the latter Mughals was replaced by the proto-typed buildings of the British constructed by curveyor and engineers of lower echelons. So, our present buildings characteristics, as I have eaid before, ore the mixture of indigenous and western art.

Indigenous Pattern: The old towns of distinctively Bengali character exhibit a number of common fratures, like, the ground is completely covereby structures, sweept for the street, the interior courts of some deallings and incidental open spaces around public buildings.

One or two storied houses are predminent extending in a row along a street or an alley, though high-rise buildings of three to four-storied are also occasionally found along the main etreets. They consist of two to four congested roose with a winimum scope for light and air. From the building material point of view. They consist of 'Kutche' or construction of sud wall and thatch roof, and 'pucce' of beick-cement made. The former type is progressively decreasing with increasing city sizes. Suilding materials very from region to region. However, in general, bricks, cement, corrugated iron and timber are widely used. Bud houses are moreally found in the part pheries. Saligious places with structures are inevitably found within a short distance.

<sup>7.</sup> Zahidul Hessen : Architecture in East Pakistan after 1947
Third Saminer on Architecture. Op.mit. P-92.





Western pattern: In contrast to the patterns of indigenous urban sattlements, the British made civil lines, military contonments and railways colonies are found more systematic with a definite function areas. A new type of building devaloped known as the 'Bumpalow' which with its usual north south orientation and provision of deep over henge was appropriate for the climatic conditions. Structures were almost purce and many of them stand in the mids of large feaced compounds with much space devoted to trans and grass-land scaped in formal garden. There were, ofcourse, rose-houses for servants and lower-class employers.

with the socio-sconomic development of the country, some new urban alements like rows of living quarters, newly built specious hospital, officers' club, and very recently transmittion lower ( in five cities) are found dispursely.

Poverty striken urban scene gives enother important look of alums and dilapidated living. This invenitary and degraded living in squarters and bushes are appealing. Yet, lowest paid workers and unsuplayed millions cross into a few square feet on space, glad for more shalter at the different packets of the twon. The condition is more prominent in some jute -mill towns on the bank of rivers.

B. 5.H.M.Raqavi : "Traffic of Chandour" Port" ( The oriental Geographer, Dacca July, 1968).

CHAPTER - SIX

SUMMARY

#### SLIFFARY

One of the most striking features of contemporary civilization is, no doubt, the phenomenon of growing urbanisation. The work is devoted to analyse the pattern of urbanisation in Bengla Geeh, particularly from 1951 to 1971 (before March 25, 1971). It is an enquiry into the nature of urban settlement, their structure and characteristics of land-wass with an introduction to physical planning and other socio-economic problems preveiling in the country.

The process of urbanisation which in otherwords, a new look toward life and living, is more rapid and of greater significance than ever before. Urbanisation is defined pracisally, as a process through which are increasing proportion of people live together in a concentrated locally having continuous collection of houses and anjoy in common benefits of certain public utilities.

Urban population is spread very unevenly over the world surface, but the regions of extreme urbanisation are few and restricted. It is a varying mixture of economic and social forces which decides the pattern of urbanisation in the world to-day. A century and a half ago only about 2.4% of the world's population lived in town, in 1850, it reised 4.3% in 1900 it was 9.2% and 1950, 20.7%. It is estimated that in A.D. 2.000 it will be 45%. At present more than 35% of the world people living in urban anvironment and in 2050, it is expected to be 90%. Urbanisation is nowhere in its peak. The rate of urbanisation is decreasing a little in the order industrial countries but hardly shough to disturb the general upward trend.



Urbanisation in real cases in Bangle Cesh storted with the data of this century. Municipalities which nurtured training in self-Government formed the nucleus of politics-economic—administrative units. Facilities for education, scope for business and commercial activities and extension of public wtilities case with the administrative and up to catre the increasing needs which in turn, ettracted the people to those centres. Graduelly the system of transport and communication developed as flourishing trade and commerce mested and justified it. In this way a built in force was created and the growth of towns sustained anashow by themselves.

Tables 3.2, 3.3, 3.4, 3.5, and 3.8 (page 34 and 35) provide a historical sketch of the development of urbanisation of Bengla Desh. The increase in the proportion of the urban population is more or less steady since 1901 except in 1911 when the cities were depopulated dus/plague epidemic and in the decade 1941-51. This period saw the second world war and the colossal famine of Bengal. These two incidents are turning point in the history of urbanisation in Sangle Oesh. In early 40 people left cities for the fear of boobing and other war ravegue, but soon the famine brought thousands and millione of hungary villagers to the cities. Sural economy being completely shettered, people left villages with a hope of job opportunities and better prospect for life in urban axess. There also they mat the most unfortunate fate and surrendered themselves to death. In the decade 1941-51, though the absolute population marked a negative growth by 65,000, urban growth trend recorded positive.

After partition, growth of towns both in number and magnitude is swident from the above tables. The growth of towns shows the trand that while some centres have steady rate of increase in population during each successive decade, other have widely fluctuating rates, but the number of towns belonging to a particular size-class is mans or less uniform, except the size-class 10,000-20,000 during the present decade. Interesting enough to note that greater porcentage of urban population clustered in a few biger cities, and this tendency of applomeration is steadily progressive.

Population of as many as aleven urban centres increased at rates higher than normal. This includes four cities of the country— Oseca, Marsyangonj, Khulna and Chittagong with a rate of growth around five, four, three and two respectively.

The other remaining urban centres grew at an usual rate around 100-200 p.c. over the two decades with a few exception like Iswardi, Labourithet, Smidpur, the three Mailwey coloney towns and Daulatpur, an industrial centre made a remarkable progress in positive direction while Sarieal want to a negative direction and few other towns suffered more or less stagnancy in the process of devalopment.

Another important fect that reveals from the study, is a good number of emerging urban centres in the country. These new towns numbering about 19 (nineteen), namely, Chhatak, Ghorashal, Joydevpur, Tongi, Ashugonj, Pachagor, Jemalyonj, 8.Pālashbari, Pakshy, Bharamara, Gaurnadi, Sarupkhati, Dawangonj, Mirzapur, Sarda, Akhaura, Barguna, Daudkandi, and Lakahas, with a population range of between 3,000 to 12,000 marge largely because of economic development amounted there dgiring the last decade.

The distribution of urban centres in Sample Desh is not uniform.

The total four cities of the country locate in the seatern part and two of them Decce and Nareyangonj are within a range of 12 miles. There is no city like urban-settlement in rest of the areas, which shows the deficiency in planning and recourse allocation process to minimize development pattern by creating new prowth poles in the northern region. Ofcourse, in recent years, Rejshahi is gaining such importance as a sest of higher education and administrative head quarters.

Considering the size of the country and its population, the number of towns and particularly small towns are rather few. This is because the people of the country do not generally live the town life. Limited means of communication, main dependence on agrarian resources and meagre development of modern industry are the main resource for less urbanisation in the country.

In appearance most of the towns have some pattern of development along the arterial roads in an agricultural surrounding. The streets are narrow and single; their pattern emerge out of natural growth and not of conscious design. The road net in newly developed city-sites gives a fair account with their rectlliniar or gridiron pottern. They are relatively wider and provide side-walks.

With a few exception, the wost of the towns are shabby, unclear and dull.

In most cases the people are congregated in remahelkle structures. Senitation is poor,

lend-use pattern is poorer and modern exemities evailable are below all the standard.

Government offices, some aducational institutions and prominent businesses only are

lodged in better etructures.

Most of the towns are again located near rivers for facility of transport and trade. Industrial activity is found in few larger Towns and their surroundings. Building characteristics are the mixture of indigenous and western art. Slume and dilapidated living bears the impression of poverty striken economy of the country.

However, 'the urbanisation gives a new look toward life' the statement is justified from the following experience of our social-dynamics :(i) male dominance and undue superiority in the family is declining, (ii) draws and consumption pattern is changing, (iii) early marriage is no longer predominant and polygony rarely found, but court-slip is getting more understandable, (iv) Love for single family and tendency to reduce its mize are more common;

(V) increasing employment of women folk and female education are getting importance.

reduce its size are more common; and finally fift

The migration of thousands of rural folk to cities in an agro-bessed economy is a short of revolution to the life of humanity and it is the problem necessarily social, economic and political, needs to be solved more carefully and wost honestly.

C. A. MARCHAN

19年1年10月1日 国际国际国际企业的企业实 WELSTAY WESTERN

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