

Research Study Series  
Number 55

# Urban Development Strategy for the State of Gujarat

Vol. III

Case Studies and Annexures

(Prepared for the Urban Development and  
Urban Housing Department,  
Government of Gujarat)

VOL III I

National Institute of Urban Affairs  
New Delhi  
December 1993

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## REGULATORY MECHANISM FOR BUILDING ACTIVITIES IN URBAN GUJARAT : A CASE OF RAJKOT CITY

### INTRODUCTION

In order to strengthen the operational part of this study, it was decided to document a few case studies on the issues of critical importance so as to better understand the deficiencies of existing system and suggest corrective measures to tone up the urban administration. This case study on regulatory mechanism is one of such studies.

Though, there exists an elaborate Regulatory Mechanism (RM) to promote, guide and control the building activities, it is often claimed that its procedures are very restrictive and difficult to comply. Such rigidity in RM has minimised its scope. Almost 66 to 75 per cent addition to the housing stock is estimated to be made informally without obtaining necessary permissions and sanctions (Draft Housing Policy 1992). These deficiencies in the RM not only lead to a substantial loss of revenue to the public exchequer but also contribute to the development of unauthorised colonies and proliferation of slums.

At this stage the question arises as to why the RM has become so restrictive and rigid? What are the underlying factors that discourage the building activities to be performed in accordance with the respective regulations and

codes? and How can the rigidity and restrictiveness of RM be removed?

A response to these questions calls for a better understanding of deficiencies in the RM. Within the ambit of these issues, this study has examined the RM and its enforcement in urban Gujarat with a special reference to the city of Rajkot.

### METHODOLOGY

Owing to the time and data constraints it was decided to document this case in a single city. For this purpose the city of Rajkot was selected on the following grounds :

- I. It is one of the six largest cities of the state.
- II. It's land and housing market has consistently maintained a buoyancy.
- III. It has both the types of agencies that provide the building permission in urban Gujarat viz. the Municipal Corporation and the Development Authority.
- IV. With a population of more than three lakh (300,000), the city comes within the purview of Urban Land Ceiling and Regulation Act-1976 (ULCRA).

This study highlights four major aspects of RM :

- I. Travel Route to obtain necessary approvals/permissions; it's procedure, stages, official cost, and documents to be attached alongwith the application;
- II. Processing of application in terms of its movement from one stage to otherto locate the problem areas (an examination of specific cases);
- III. Deficiencies in the system; and
- IV. Corrective Measures and areas for possible action.

Collection of requisite information discussion with officials and study of official files and documents were completed in a single visit to Rajkot city for a period of two weeks. During this period four rounds of contacts were made :

- In the first round series of discussions were held with the senior officials from RMC (Rajkot Municipal Corporation) and RUDA (Rajkot Urban Development Authorities) in order to identify the sequence of necessary permissions. As a feedback from these discussions, it was observed that two more authorities are involved in the process of granting permissions. These are the office of Additional Collector (Revenue) and Additional Collector-ULC (Urban Land Ceiling). Hence discussions were held with these two authorities as well.
- This was followed by the collection of information, from the middle level functionaries of these authorities on the travel route of applications and it's processing for obtaining the permissions. This also included the related information on various stages of processing, documents to be attached and the official cost to obtain a permission.
- In the third round information was collected from the files of respective agencies on specific cases wherein the requisite permission has already been given. Two

individual cases were selected for this purpose in respect of each permission.

- In the final round, the discussions were held, with the officials from respective agency as well as the architects, builders and individuals, on the feedback from evaluation of travel route and examination of specific cases.

#### LEGAL AND CONCEPTUAL FRAMEWORK

Before taking up the specific case, it seems imperative to first examine the legal and conceptual framework within which the building activities are being completed. Regulatory mechanism in Urban Gujarat is specified by a series of Acts and Codes namely:

- (1) Bombay Land Revenue Code 1879;
- (ii) Land Acquisition Act 1894;
- (iii) Gujarat Cooperative Societies Act 1961;
- (iv) Gujarat Municipalities Act 1961;
- (v) Urban Land Ceiling and Regulation Act 1976; and
- (vi) Gujarat Town Planning and Urban Development Act 1976.

The building activities involve a variety of steps wherein the permissions and sanctions are accorded as per the parameters laid down in the respective Acts and Codes. It was observed during the discussions at Rajkot that three types of permissions are required to be obtained before the commencement of building activities. These are:

- I. Non-agricultural Use Permission ;
- II. ULC-NOC (No objection certificate on urban land ceiling); and
- III. Building Permission  
(known as Development Permission)

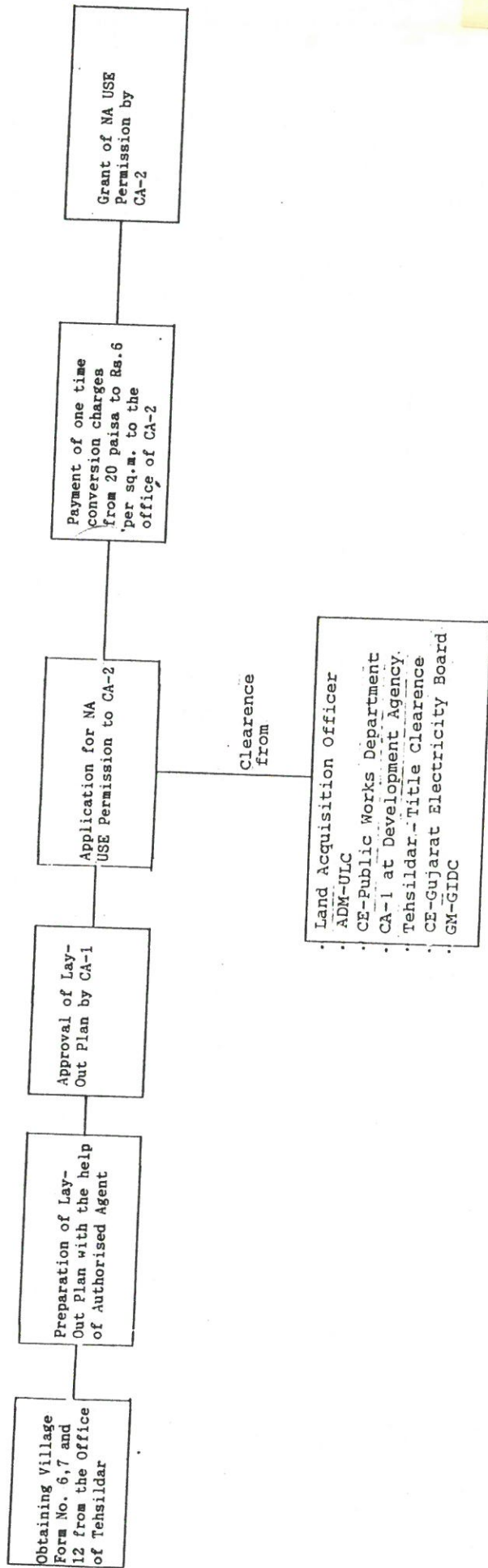
**Travel Route and Official Cost**

To begin with, if the land is currently put to agricultural use, the landowner has to procure Non-agricultural (NA) use (status) permission, under section (65) of the Bombay Land Revenue Code-1879, for the intended use from the office of Additional Collector (revenue). This permission is essential even if the land parcel is zoned under Town Planning (TP) scheme or forms a part of city Master Plan. The travel route to obtain NA Use permission and its official cost's are as follow:

- I. As is evident from Chart I, the NA use permission involves a variety of stages wherein the requisite documents and approvals are taken from as many as 13 authorities. At each stage the related papers have to be processed at atleast four desks. Hence, the NA Use permission require clearence from as many as 52 desks. This process appears to be abnormally lengthy and problemetic. For instance, If a single desk gives a negative clearence, the whole process has to be started again with a suitable clarification to the respective query.



TRAVEL ROUTE FOR NA (Non-Agricultural) USE PERMISSION



CS-6

(NA USE Permission is granted as per section - 65 - of Bombay Land Revenue Code)

ADM-U/LC Additional District Collector - Urban Land ceiling Regulation Act - 1976

CA-1 Town Planner from Development Authority/Municipal Corporation or District representative of Town Planning Department; Government of Gujarat,

CA-2 Additional District Collector (Revenue)  
CE Chief Engineer

GM-GIDC General Manager - Guajrat Industrial Development Corporation  
Village Form 6 and 7 Histroy of Plot  
Village Form 12 Cropping Pattern for the last three years

Note: NA USE Permission is required even if the land belongs to a development / municipal area for which a development plan has already been prepared once the NA USE Permission is granted, the plot owners are expected to pay NA Assessment @ 4 to 6 paise per sq. m.

II. The official cost to obtain NA Use permission is rather low. Once the permission is approved the land owner has to pay one time conversion charges @20 paise to Rs.6 per sq.m. depending upon the market price of the land as well as the type of intended use. Besides this the land owner is also expected to pay NA Assessment @ 4-6 paise per sq.m.per annum.

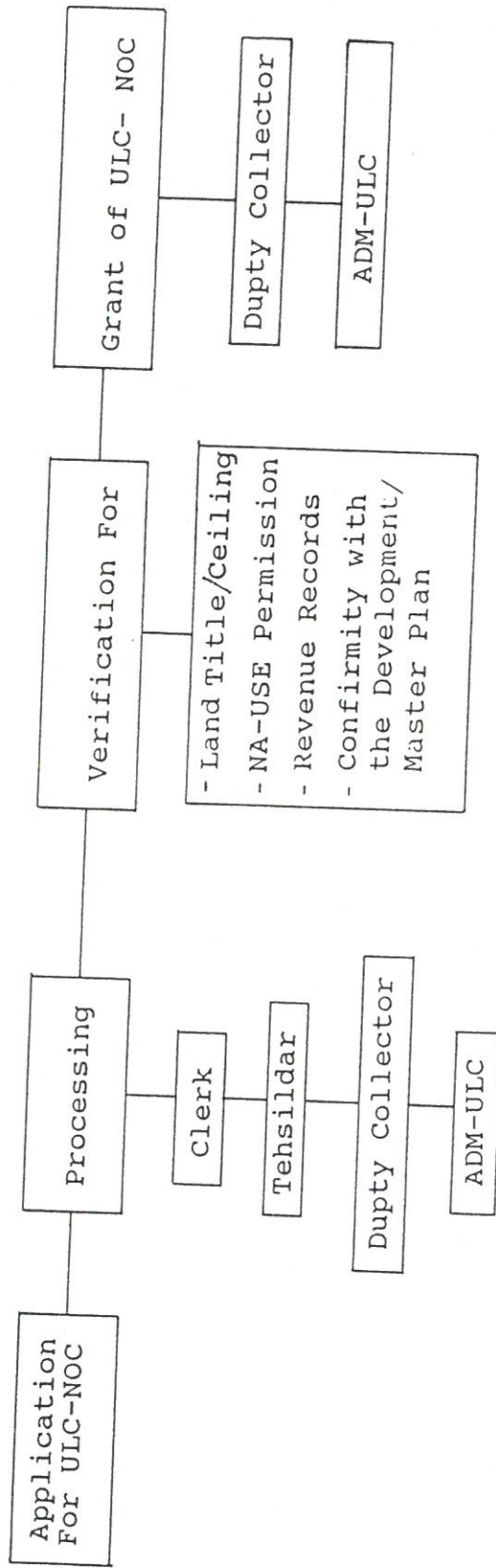
In case the city falls under the jurisdiction of ULCRA (having a population of more than 300,000 people), the land owner before applying for DP is also required to obtain NOC under Section 26 of Urban Land Ceiling and Regulation Act 1976. NOC under ULCRA is required for all the plots irrespective of their size, i.e., whether they fall within the ULCRA ceiling or not. Four main documents are required to be attached alongwith the application for ULC-NOC. These are:

- I. Revenue Records;
- II. Land Title;
- III. NA Use Permission; and
- IV. Conformity with the Development/Master Plan.

The processing of application for ULC-NOC involves a verification from all the authorities whose approvals have been attached (Chart-2). Although, no direct cost is involved in this process, the applicant has to bear the respective costs to obtain the requisite documents.

CHART-2

TRAVEL ROUTE FOR NO OBJECTION CERTIFICATE UNDER ULCRA



ULC-NOC is granted under section 26 of Urban Land Ceiling and Regulation Act-1976

ULCRA =Urban Land Ceiling and Regulation Act  
ADM-ULC = Additional District Magistrate -Urban Land Ceiling

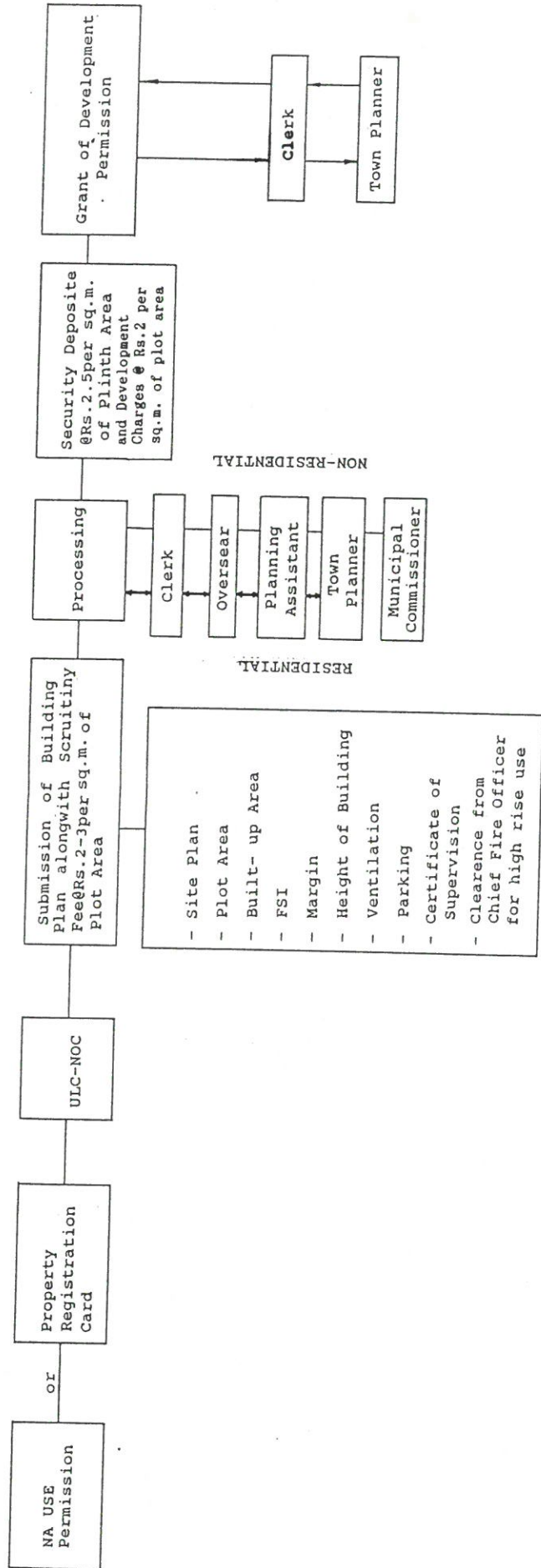
There are two main authorities which grant the development permission (DP) in their respective jurisdiction. These are the municipal body/corporation and development authority. As is evident from chart III and IV, this also involves a variety of initiatives wherein the requisite documents and/or approvals are needed from 15 to 20 authorities. The official cost to obtain DP includes scrutiny fee @ Rs.2-3 per sq.m. of plot area and security deposit @ Rs.2.5 per sq.m. of plinth area. Besides the DP for the areas falling within the jurisdiction of municipal corporation also include the payment of development charges @ Rs. 2 per sq.m. of plot area.

#### Review and Clearance

During the period elapsing between initial submission of plan and granting of Development Permission (DP) various changes in the general economic conditions in a city might cause conversions in the prescribed land use. In such cases CA is authorised to review the permissions anytime in future for which no time limit has been fixed.

Once a person applies for any of these three permissions, the respective authority will have to clear the application within a period of three months. However, during this period the application has to travel a lengthy route and there could be several queries and clarifications at each desk in the successive stage (Chart I to IV). These are the points wherein the persuasion and non-official efforts

CHART-3  
TRAVEL ROUTE FOR DEVELOPMENT PERMISSION  
 (At Rajkot Municipal Corporation)



The Development Permission is granted under(as per the norms laid down by) General Development Control Regulation (GDCR)1984.

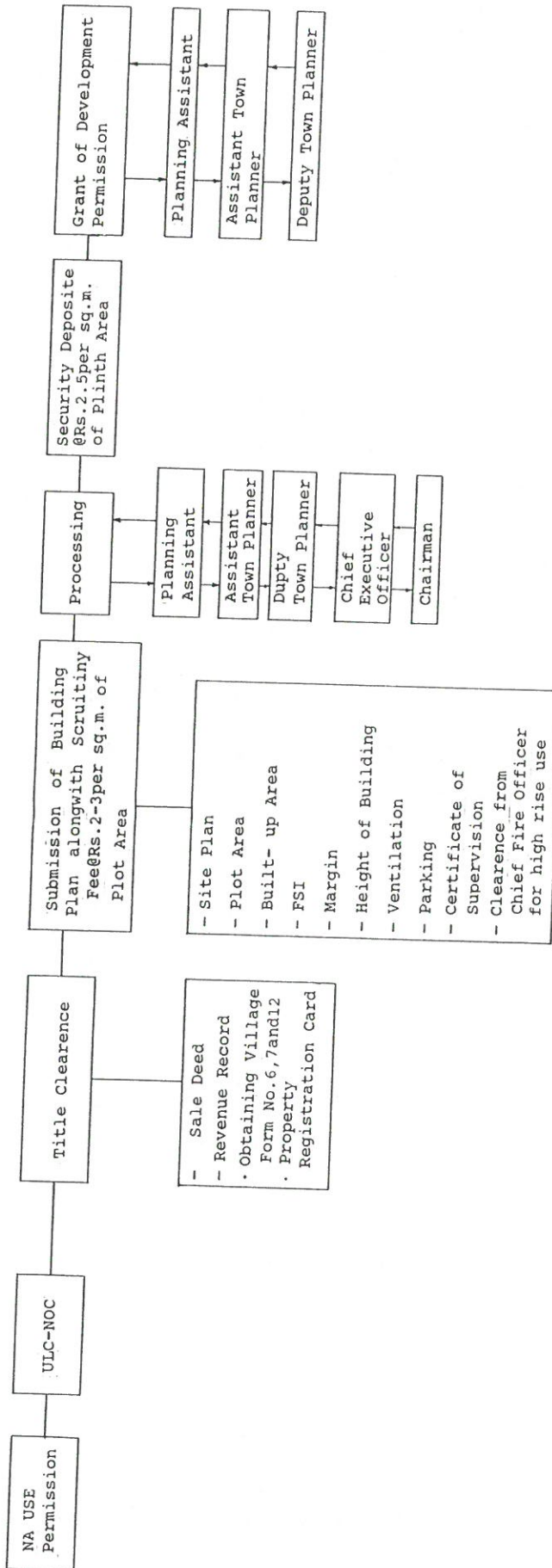
FSI=Floor Space Index NA USE= Non-Agriculture Use

ULC-NOC=No Objection Certificate

Note=NA USE Permission and ULC NOC are granted by the office of the District Magistrate(Collector)

CHART-4

TRAVEL ROUTE FOR DEVELOPMENT PERMISSION  
(At Rajkot Urban Development Authority)



The Development Permission is granted under(as per the norms laid down by)General Development Control Regulation (GDCR)1984.

FSI=Floor Space Index NA USE= Non-Agricultural Use  
ULC-NOC=No Objection Certificate

Village Form 6 and 7 =History of Plot  
Village Form 12=Cropping Pattern for the last three years  
Note=NA USE Permission and ULC NOC are granted by the office of the District Magistrate(Collector)

play a crucial role. Even the builders claim that they spend more time and energy on obtaining necessary permissions than their main activity. Thus, the legal and conceptual framework of RM appear to be rather restrictive and rigid.

## ENFORCEMENT OF REGULATORY MECHANISM IN RAJKOT

### City Profile

Rajkot is the fourth largest city of Gujarat. It is not only the most important trading and industrial centre of Saurashtra region, but also a major national centre for trade in groundnut oil and manufacturing of diesel and electric motors. Rajkot has a total land area of 483 sq.km. which falls under the jurisdiction of two agencies i.e. 413 sq.km. for Rajkot Urban Development Authority (RUDA) and 70 sq. km. for Rajkot Municipal Corporation (RMC). As per 1991 Census the city has a population of 651007 people out of which 85 per cent people (556137) reside within the RMC limits.

### Real Life Situation

It was observed during the discussions with the officials at RUDA and RMC that nearly three thousand five hundred dwelling units (DU's) are being added annually to the housing stock of the city. In contrary to this, the number of applications for Development Permission recieved by both the RUDA and RMC is stated to be as low as one thousand only. However, many of these applications are taken for a multi-storied building having more than one DU. On these

grounds, it is estimated that nearly half of the DU's are constructed beyond the frame-work of RM. In most cases these DU's are constructed for lower income groups and the formal sector particularly the private and household sector caters to the needs of middle and high income groups.

The Development Permission (DP) in the Rajkot city is accorded as per the specifications given in the General Development Control Regulation 1984 (GDCR) which is sanctioned under section 17 of the Gujarat Town Planning and Urban Development Act 1976. Both the agencies -RUDA and RMC-follow the sanctioning procedure laid down by GDCR. However, as mentioned earlier, before applying for DP, one has to necessarily obtain NA use status (if land is agricultural) and ULC-NOC from respective CA (Competent Authority).

#### **NA Use Permission**

NA use permission is granted as per provisions under section (65) of the Bombay Land Revenue Code 1879. Although, it appears from the files that the permissions are being accorded within a period of 90 days of application, it was observed during the discussions that the travel route for NA use permission is fairly long and require special efforts and contacts with or clearance from several departments/authorities/agencies. For instsnce:



The very first stage of travel route includes the requisition of documents pertaining to the history of plot (Village Form No.6,7) and cropping pattern for the last three years (Village Form No.12). The builders claim that quite often these records have not been updated since long (in many cases 3 to 4 decades). At this stage, the respective applicant has to make special efforts to get the records updated so as to obtain the requisite documents.

This type of solutions are not only time consuming but also require payment of non-official dues at every stage. As observed during the discussions, the non-official dues or corruption charges constitute 5 to 10 per cent of total cost of plot. These aspects have made it difficult for a common man to obtain NA use permission and facilitated the informal entry of specialised brokers/private builders. These are stated to be the major factors that have made the NA Use permission a marketable commodity which is bought, sold and resold in the market in anticipation of speculation

"The Development Permission for a plot measuring 2000 sq.m. of land located in TP Scheme 3 of RUDA was requested on 3.4.91 whereas the NA use permission for the same plot was obtained on 1.1.1966. Thus, the plot, upon having NA Use permission, remained vacant for a period of 25 years. Since then the plot has been sold six times in the market. This is equally important to note from this case that the follow-up action of NA use permission by respective authorities is extremely poor. For a period of 25 years the plot under question remained vacant, although as per the Revenue code the applicant should construct the building as per intended use within a period of two years from the issuing of NA use permission failing which the applicant has to pay a penalty @ of 200 times. However, in view of insignificant rate of NA assessment (which is as low as 4 to 6 paise per sq.m.), such penalties have become totally ineffective (Case-1)."

"Similarly for yet another plot (measuring 680 sq.m. of land area) located in T.P. Scheme No. 2 of RUDA, the application for Development Permission was made on 23.11.1989 whereas the NA use permission was taken on 1.10.1960. Hence the plot remained vacant for a period of 29 years. During this period the plot has been sold to four different buyers. (Case-2)."

It was also observed during the discussions that the whole system of NA Use Permission seem to be a futile exercise. The conformities and clarifications (such as the clearance from Public Works and Electricity departments) sought during the processing of NA Use permission are normally replied through a reference to the respective Master/Zonal plan.

Hence, the exercise to accord NA Use permission appears to be a duplication of what has already been done in the respective plan. This is important to mention at this stage that if the land parcel already forms a part of city/zonal plan, the NA Use permission is not required at several other places in the country, such as : Lucknow (Uttar Pradesh) Hyderabad (Andhra Pradesh) and Madras (Tamilnadu).

#### ULC-NOC

Besides the NA Use permission, a land owner in Rajkot (being a city falling under the jurisdiction of ULCRA) who want to put up a building has to obtain NOC under ULCRA. An application for NOC to the CA (Competent Authority) should be accompanied by four main documents. These are (i) Title Clearance, (ii) NA Use Permission, (iii) Revenue Records and (iv) Evidence of Conformity with the city Master Plan.

Once the application is submitted alongwith these documents, the CA sends them back to the respective authorities for verification. As is clear from Chart II, this is a lengthy process and requires special efforts and persuasion which is rather difficult for the individual households. These complexities have encouraged the entry of speceialised brokers/ private builders who have better resources for making necessary efforts to get the requisite clearance.

"The weakness of individual household is reflected from a case wherein the ULC clearance was delayed by 9 years for an applicant in RMC area who applied for NOC in 1980 and got it in 1991. The reason was attributed to the size of plot (1534 sq.m.) which was marginally higher than the ceiling limit. Finally the applicants got the permission on the evidence that the plot belongs to two adult members of a family. These delays show that the applicant did not know as to what is to be arranged and how. (Case-3)

On the other hand, obtaining ULC-NOC is rather easier for resourceful applicants. For instance, in a crucial case the ULC-NOC was given within a period of five months from the date of application. This plot measuring 10100.34 sq.m. was originally used as a sugar mill. The owner who is actually operating as a proxy to some builder wanted to redevelop this plot as a commercial-cum-residential complex and applied for NOC under ULCRA on 13.3.91. CA refused the clearance on the ground that the total area exceeds the ceiling of 1500 sq.m. Now the land owner approached Urban Land Tribunal (at Ahmedabad) and argued that (i) the land belongs to the 6 adult members of a family and (ii) out of 10100.34 sq.m. of plot area a sizable portion to the tune of 1341 sq.m. was used as drying platform of the sugar mill. The Land Tribunal accepted this argument and decided in favour of the landowner on 28.8.91". (Case-4)

Besides the procedural problems, it is equally important to note that for a vast majority of city land in Rajkot it is virtually not possible to obtain NOC under ULCRA. This includes the lands under litigations, encroachment and illegal marketing. As may be seen from the following table, the authorities could acquire only 35% of land notified for acquisition. However, the disposal of land (already acquired) for housing is extremely poor. Only 1.88% of surplus land or 5.4% of acquired land was finally made available for housing. This also means that the authorities have simply failed to suitably handle the already acquired land. It was observed during the discussions that in most cases such lands are either encroached by squatters or have been sold in the informal market.

Availability of Land Under ULCRA in  
Rajkot by September 1990.

			Sq.m.
Notification Issued for acquisition	Disputed Land	Land Finally Acquired	Land Disposed for housing
6,142,737 (100.00)	4,006,132 (65.00)	2,136,605 (34.78)	115,620 (1.88)

Source: Office of the Additional Collector (Revenue), Rajkot.

Development Permission

Once the NA Use Permission and NOC are obtained, the land owner becomes eligible to submit building plan to CA for the grant of Development Permission (DP). The requisite documents include a certificate of supervision and a site-

plan covering Plot area, Built-up area, FSI, Margins, Height of buildings, Size of room, Ventilation and Parking. In case of high-rise buildings, a clearance of fire safety from Chief Fire Officer is also required.

The processing of plan begins at the level of from Assistant/Clerk and moves upto Municipal Commissioner in RMC (Chart III) and Chairman in RUDA (Chart IV). In both the cases the plan requires clearance from five different desks. However, in case of residential use, the Town Planner at RMC is the Competent Authority to accord clearance and the plan does not require approval from Municipal Commissioner. Thus, RMC has a relatively shorter route of plan processing for residential use.

The processing at RUDA has one more problem associated with the availability of it's Chairman .

At the time of the field study RUDA did not have a full time Chairman. The District Collector (DC)-Rajkot functioned as ex-officeo Chairman of RUDA. Since, DC is busy person, he did not find much time to look after RUDA affairs in a routine manner. It was observed that he visited RUDA once in 15 days. During these short visits quite often the DC did not find time to clear the pending cases for his signatures. This finally resultd in a delay in the DP.

During processing, the authorities have to see if the plan complies with the building byelaws and zoning regulations (as prescribed by GDCR-1984). It was observed during the discussions that GDCR contains a number of practical problems. For instance:

Spacing for margins is determined according to the plot size. Since the plot-size shows a great deal of variation in any given lane (particularly in TP Schemes), this provision leads to haphazard built form.

Similarly there is a ceiling of minimum plot size of only 80 sq.m. of land area subject to a relaxation to EWS (Economically Weaker Section housing in which even 30 sq.m. plots are permitted. This prohibits the development of smaller plots for low and middle income housing.

These are only two of the several examples wherein the respective byelaws and zoning regulations require suitable modifications.

The cost for obtaining DP is rather low. Alongwith the application for DP, the applicant has to pay scrutiny fee @ Rs. 2 to 3 per sq.m. of plot area. Once the plan is processed and approved, the applicant is supposed to make security deposit @ Rs. 2.5 per sq.m. of plinth area. These charges are same for RMC and RUDA areas. However, for RMC areas there is an extra provision of development charges @ Rs.2 per sq.m. of plot area. On the other hand RUDA is not authorised to levy development charges which has finally contributed to a poor level of infrastructure specially in TP Schemes. On the other hand, the T.P. Schemes in RMC areas have a relatively better level of infrastructure.

#### **Implications for Housing Activities**

The enforcement of RM has a wide-ranging impact on housing activities. Owing to its complexities, the private

developers/builders play a key role in the process of house building. For instance :

A land owner in RMC area applied for ULC-NOC on 27.10.80 for a plot measuring 1035.23 sq.m. and got it within the stipulated period i.e. three months. However, after a period of almost 11 years on 10.7.91 he could get the final clearance from CA. Subsequently, he moved very fast and obtained DP for a multy storied building within a period of only 3 months i.e. on 7.10.91. This indicates that the land owner waited for speculation and had some understanding with a developer who could put up the necessary floors on his behalf (Case-5).

Similarly for a plot measuring 10500 sq.m. the ULC-NOC was pending since 1978. Upon having some understanding with the builders, this case was also processed rather quickly. To begin with the owners of the plot who were seven adult members from a family submitted mutual settlement in the court of ADM-ULC and got DP on 4.1.91. This paved a way for the ULC-NOC which was accorded to them on 10.7.91. Since then within a period of one and half months, the owners managed to get the DP for a high rise building. In this case as well the land owner was acting as a proxy to some builder". (Case-6).

It should be obvious that, the RM has adversely affected the pace of house construction in the formal sector with a particular reference to the initiatives likely to come from individual households. In a nut-shell the implications of RM are stated to be as follow :

- I) The ULCRA has simply failed to increase the formal supply of Urban land for housing. This has, in turn, minimised the scope for house building within the ambit of RM. This is reflected from the fact that only half of the DU's are estimated to be constructed within the net-work of formal approvals.
- II) The complexities in obtaining NA use permission and NOC under ULCRA have discouraged the individual households to take up the house building activities in accordance with the formal

standards. On the other hand, ULCRA's inability to increase the formal supply of urban land together with the hurdles of NA Use permission have induced the element of speculation in the land market.

- III). At the same time the inadequacies of RM have been a major factor behind the large scale development of unauthorised colonies particularly on the lands declared as surplus for acquisition under ULCRA. This is mainly caused by low rate of acquisition (being only upto Rs.10) and the provision of exemptions under section (20) and (21) of ULCRA.
- IV) These inadequacies have also caused a substantial amount of revenue loss on account of stamp duty, official charges to grant respective permissions and tax on land and buildings popularly known as Property Taxes.
- V) The existing frame-work of RM does not encourage direct entry of private builders and has forced them to manipulate a backdoor entry into the house building activities. The private builders are operating either under the cooperative umbrella or by using the land owners name as a proxy. Operating on the name of a cooperative, the builders save the payment of stamp duty to the extent of 50% and also avoid hurdles of minimum plot size under ULCRA. Similarly, operating on the landowners name is equally beneficial to them on account of problems pertaining to ULCRA limits and legal transactions of properties.

#### Areas For Intervention

In the light of its implication on urban housing, the Regulatory Mechanism requires suitable intervention in several ways for making it more conducive to house building activities :

- i) Some of the Regulations and Codes are outdated and have not been suitably revised since their inception. For instance the cost of obtaining NA use permission is almost insignificant. Subsequently the penalties on inordinate delays in the construction (which are based upon a multiplier of NA assessment) have no effective check on such delays. Similarly various specifications in the building bye laws too need to be re-examined and modified e.g. the building



setback (margins) should be allowed in accordance with the width of road and not according to the size of plot.

- ii) The formal supply of land needs to be substantially increased. This is a well established fact that the ULCRA has simply failed to achieve its objective. This calls for a suitable revision of ULCRA on the lines of recommendations made by several committee/reports in recent past.
- iii) The approval procedure for NA use permission and ULC-NOC is time consuming and cumbersome. Modalities for such procedures need to be re-examined with a view to make them easily accessible for individual households.
- iv) The provision of NA Use permission should not be imposed for the land parcels falling in the jurisdiction of city Master/Zonal plan.
- v) The processing route for development permission should not go upto the head of institution. Barring a selective cases (e.g. non-residential or high rise use) the processing route needs to be cut short.
- vi) Currently the development authorities are not allowed to levy 'development charges' particularly with regard to the house building activities under TP Schemes. The possibility of imposition of development charges by these authorities deserves to be considered seriously. It will go a long way in improving the levels of infrastructure.
- vii) The role and responsibilities for land servicing need to be redefined. The public agencies should basically operate as a "facilitator" and their role as a "builder" should be confined to the housing for weaker sections only.
- viii) At the same time the private sector deserves to be allowed to directly participate in the process of house building. This calls for a suitable modification of relevant Acts and Codes. For instance, the relaxation of plot size as well as the provision of exemption for private builders and developers should be suitably considered. This will substantially increase the formal supply of land and housing.

Annex.I

List of Persons Contacted at Rajkot

1. Shri M. Mewada at RUDA.
2. Shri B. Rupani at RUDA.
3. Shri B. D. Joshi at RMC.
4. Shri M. Bhaumik at RMC.
5. Shri S.S. Jadeja-Builder.
6. Shri Kirit Kamdar -Builder/ Architect.
7. Shri J.G. Hingarajiya Additional District Collector (Revenue).
8. Shri S.M.Patel Deputy Collector(Revenue)

## T.P. SCHEME - A CASE STUDY OF RAJKOT

The T.P. Scheme of Gujarat is similar in concept as the Land Pooling/Readjustment Technique of Eastern Asia, that pools irregular plots of undeveloped land of individuals, services them and reconstitutes them into systematic plots. But before returning the improved land to the owners, the local authority/developing agency retains a portion of their land for public use, such as roads, commercial areas, parks, parking space and so on and another portion to sell to buyers, in order to raise funds for development. The method, thus has potential to become a self-financing technique and is less costly for the local authorities, as no compensation has to be paid for land acquisition. Besides, a portion of the cost of infrastructure is realised from the land owner in anticipation of the incremental value (50% of it) each plot will assume after development.

Initially, the sale of plots was not prevalent in Gujarat. This created financial constraints for the implementing agencies. Hence, at the behest of the World Bank, an amendment was made in the Town Planning Act in 1986, to permit the sale of plots to generate resources for development.

### The Purpose :

The T.P. Scheme is basically a legal tool to open up land for development. It is a useful alternative to land acquisition and development, which takes both time and money

with which neither the citizens nor the local authority can cope with. Even the Urban Land Ceiling Act, which was devised to make urban land available for development, could do so only in a limited way. Rising land prices is the cause of non-availability of urban land for development. Increase in land prices is due to (a) intensity of land development, (b) short supply of developable land, (c) management problems under the Urban Land Ceiling Act, leading to non-availability of land, and (d) absence of a policy for supply of affordable dwelling units.

To counteract such land constraints and to offset the market mechanism, the land readjustment technique provides appropriate legislative support to the local authority to open up undeveloped land in the city's periphery with the expansion of the urban population and cater the increased demand for serviced land. The T.P. Scheme mechanism can be appropriately used to solve land scarcity, as well as resource constraints of the local authorities to develop land for urban use. The major benefits of the scheme are

- land owners are not fully deprived of their possession
- land acquisition under this scheme is simple and cheap
- if managed well, planned development keeps pace with urbanisation and prevents haphazard growth
- the scheme can be more or less self-financing
- resources for the community can be generated by developing different kinds of facilities, like schools, playgrounds, health and community centres, without taxing the community

- easy procurement of land by the developing authority
- provides an opportunity to the local authority to use urban land as a resource
- gives an opportunity to the community to participate in land development and planning.

In sum total, if a T.P. Scheme is operated well it can help a town to develop systematically along with the pace of urbanisation. Though in practice the process is not all that simple, because of the numerous litigations on disputed ownerships, the scheme at least opens up land for physical planning and thereby helps to avoid haphazard development so common in the fringe of a city.

#### The Process :

The scheme follows the Master/Development Plan and is prepared in three stages - the draft, preliminary and final stages. The Draft scheme is an initial proposal that contains factual details such as the area, ownership, tenure of original plots, the particulars of land allotted or reserved, the extent to which the scheme proposes to alter boundaries of original plots, the estimated cost and the physical plan of the area.

The Preliminary Scheme prepared after the site survey, defines and demarcates the plots for various uses, determines plot ownership and estimates the time to be taken to develop the area. This stage essentially deals with the physical aspect of the plot reconstruction exercise.

The Final Scheme's major focus is on the financial aspects of the exercise. These relate to refinements in computations of the betterment levy and the compensations. The agency can also take possession of the plots identified for public use, and develop them during the preparation of the final stage of the scheme.

In short, the Draft Scheme is the initial Plan of the area, the Preliminary Scheme the Physical Plan and the Final Scheme the Financial Plan, according to which the implementation is to be done.

The Draft Scheme :

- Declaration of intension through a resolution, by the appropriate authority, in consultation with the Chief Town Planner, to prepare a scheme for a particular area (section 41/1).
- Publishing of intention along with a plan of the area (section 41/2) - within 21 days of declaration.
- Display of the plan to the public (section 41/3).
- Preparation of the Draft Scheme and publishing the same in the Official Gazette (Section 42/1) - within 12 months from the date of declaration. There is provision to extend this period by 6 months more than once.
- Suggestions for the Draft Scheme from the public (section 47) - within one month from the date of publication.
- Submission of the Draft Scheme with modifications, after considering the suggestions from the public (section 48/1) - within 4 months from the date of publication of the Draft Scheme.
- Sanction of Draft Scheme by State Government with or without the modification, or refusal to sanction (section 48/2) - within 6 months from the date of its receipt.

The Preliminary Scheme :

- Appointment of the T.P.O. for the Preliminary and the Final Schemes (Section 50) - one month after the Draft Scheme is sanctioned.
- Sub-division of the Town Planning Scheme into preliminary and final Schemes by the T.P.O. (Section 51) - within 12 months from date of appointment of T.P.O.
- Preparation of Preliminary Scheme (Section 52/1).
- Submission of Preliminary Scheme to State Govt. (Section 52/2).
- Sanction of Preliminary Scheme (Section 65/1a) - within 2 months from the date of receipt.
- Enforcement of the Preliminary Scheme (Section 65/3).
- Implementation of Preliminary Scheme.

The Final Scheme :

- Preparation of the Final Scheme by T.P.O. (Section 52/3).
- Declaration of decision of T.P.O. to parties (Section 54).
- Constitution of the Board of Appeal to hear and decide appeals (Section 55/1) - one month from the date of communication of the decision.
- Board of Appeal's decision communicated to TPO (Section 62/2).
- Sanction of the Final Scheme with or without the modifications (Section 65/1b) - within 3 months from the date of receipt.
- Final scheme comes into force (Section 65/2) - there is provision to extend the date by 3 months at a time, by the State Government.

It takes a minimum of 42 months to formulate a T.P. Scheme, without any appeal for objections and

clarifications. Once the Board of Appeal is constituted, the time taken for the final Plan to mature can be much more. With the Board of Appeal's intervention, the time taken is roughly 5 years.

#### Case Studies :

The purpose of the case studies is to examine the effectiveness of the stated objectives of T.P. Scheme and identify the problems and bottlenecks. There are altogether 16 on-going schemes in Rajkot - 8 with the Development Authority and another 8 with the Municipal Corporation. One scheme each has been selected from these two authorities for detailed studies.

#### **RAIYA - T.P. SCHEME I OF RUDA**

##### Selection of Site

When RUDA was constituted in February 1978, RMC had already initiated a few T.P. Schemes on the western limit of the corporation boundary not very far away from the city centre. Since this area was coming up as a good residential neighbourhood, RUDA decided to select the virgin land to the west of the corporation schemes, but outside its boundary, and develop it through T.P. Schemes. The Scheme area of 160 hectares is very conveniently bounded by the University Road, the Raiya Road and the Nirmala Convent Road. Reasons for selection of this site were (a) proximity to the city centre, (b) availability of virgin land that prevent



litigation problems common in the built up areas and (c) its advantageous position vis-a-vis the transportation routes.

Decision on the size of the scheme was influenced by (a) the prevailing trends, (b) the capacity of the developing agency and (c) the physical characteristics of the area. The more recent T.P. Schemes are much smaller in size.

Formulation of the Scheme and the Time Taken :

RUDA initiated the scheme in consultation with the Chief Town Planner of the State Town Planning and Valuation Department. Permission for the Scheme was given under section 41/1 of the town Planning Act, 1976, on 5.6.1978. The Authority (RUDA) then declared its intention to promote the scheme in the government gazette and the local newspapers on 13.7.1978. Subsequently, a physical demarcation of the area was made by the Authority and a list of owners was obtained from the Gram Panchayat Office (the area being rural was being governed by the Gram Panchayat) to intimate the owners individually. A meeting of the owners was held on 4.6.1979. Side by side a draft scheme was prepared and published in the government gazette on 21.6.1979 to invite objections and suggestions from the landowners. After passing the Draft Scheme through the Authority's Board it was submitted to the government on 5.9.1979. The government took almost 3 years (instead of 6 months) to sanction the scheme on 5.9.1982, after which the Town Planning Officer (T.P.O.) was appointed by the

Department of Urban Development on 6.9.1982. The T.P.O. took over charge on 11.11.1982.

Appointment of an arbitrator is a very important stage of a T.P. Scheme, as the T.P.O. is supposed to finalise the scheme. After appointment, the T.P.O. becomes the sole official in-charge of the T.P. Scheme. He is supported by an office, whose staff is seconded from various departments of the Government. Often delay in formulating a T.P. Scheme is caused on account of the time taken to form the T.P.O.'s office, which means renting an office premises, borrowing equipments from different departments and the like.

Once the T.P.O.'s office is formed, work begins on the Preliminary Scheme, which is the physical planning section of the scheme. As mentioned earlier, this is an exercise of determining the size of the plots, the street layouts, location of public and utility services, infrastructural support and so on. In the course of formulating the preliminary scheme active community participation is required to hasten the formulation of the scheme. Individual land owners are given the opportunity to discuss on the reconstitution of their plots. In the Raiya Scheme the land owners were intimated individually and through the newspapers on 27.3.1986. The preliminary scheme was completed and submitted to the government on 29.5.1986, after about 3 years instead of one year. The scheme in question was submitted late as the T.P.O. was transferred

and a new T.P.O. had to be appointed on 8.6.1983. But even then the scheme could have been completed earlier, i.e. on 8.6.1984. The government took one year and 6 months to sanction the scheme thereafter on 9.11.1987.

It is worthwhile to mention here that delay in the Raiya Scheme was from both the sides - the T.P.O. as well as the government. Once a draft scheme is submitted to the government, the latter should not take more than 6 months to sanction the scheme. In the case of Raiya the time taken was one year and 6 months. Again, a T.P.O. is supposed to finalise the scheme within one year from the date of his appointment. In Raiya the T.P.O.'s were appointed on 6.9.1982 and 8.6.1983 and the scheme was submitted on 29.5.1986, after 3 years. Even if the time is estimated from the date of appointment of the second T.P.O., the scheme was late by 2 years.

The final scheme of a T.P.S. deals with the cost estimates and is formulated almost simultaneously with the preliminary scheme. As soon as the plots are reconstituted, the cost is determined. In the case of Raiya the final scheme was submitted on 2.5.1988 and was sanctioned by the government on 23.6.1990, after two years. There were no appeals from the public and hence no time was taken to constitute the Board of Appeal or deal with disputed cases.

On completion of the scheme the plots are handed over to the owners. In Raiya, this process is still going on.

The owner's contribution, which is 50% of the incremental cost minus the compensation paid by the government for retaining a portion of their land, is normally paid in installments.

An inventory of the formulation and sanction of the scheme at different stages will indicate the time taken for the scheme to materialise.

<u>Stage</u>	<u>Time taken</u>	<u>Remarks</u>
- Declaration of intention	13.7.78	--
- Draft scheme submitted	21.6.79	No delay, as this has to be done within one year of date of intention.
- Draft scheme sanctioned	5.9.82	Late by 2 1/2 years. A draft Scheme should be sanctioned within 6 months from the date of submission.
- Preliminary Scheme	29.5.86	This should be completed and submitted within 12 months of the date of appointment of T.P.O. In this case the second T.P.O. was appointed on 8.6.83. The scheme is late by 2 years.
- Preliminary scheme	9.11.87	The time sanctioned prescribed for sanctioning is just 2 months. The scheme is, therefore, late by one year and 3 months.
- Final scheme submitted	2.5.88	Late by 4 years.
- Final scheme sanctioned	28.6.90	Late by one year and 10 months.

In total, the scheme has been delayed by 16 years and 7 months. But since many of the stages overlap, in effect the scheme took 12 years to materialise. Implementation of the scheme is still going on.

Costing :

The estimated expenditure for the scheme was Rs. 43,56,039 out of which 60.73% was estimated as the cost of infrastructure development. Compensation for retention of public land was only 21.06%. Legal and administrative expenses were estimated at 18.20% of the total expenses. The owner's contribution for betterment was Rs. 43,28,753 which is 99.37% of the estimated expenditure. Hence, if the appropriate authority had carried out the infrastructure development on time, the expenses to develop Raiya would have been nominal. Now, with the new amendments to the Act, there is scope to sell land. If plots are sold, earnings from the sale of plots would probably cover RUDA,s expenses.

But with the delay in implementation, the cost has multiplied 2.8. times (as per the all India consumer price index of 1991-92, with 1960 as the base year). It must also be remembered that all costs of development were calculated as of the date of intention from which costs have escalated by now. The expenses for the scheme at current prices work out to Rs. 1,05,45,272 i.e. Rs. 1.05 crores, instead of Rs. 43.56 lakhs which was estimated in 1978. The owner's contribution now works out to only 41% as against 99.37% of the initial estimates. The implementing agency will, therefore, have to bear 59% of the cost of development. This is a rather tall order for any developing agency. Hence the T.P. Scheme has neither reduced the time taken for development, nor has it been of any assistance for the

developing agencies in generating resources for land development.

Existing Problems :

The actual implementation of a T.P. Scheme is infrastructure development. Formulation of the scheme is only a planning process. In the case of Raiya, implementation work has been extremely poor. RUDA has taken up only road construction and street lights. Even this process is slow. No water is provided. Neither is there any sewage system. Individuals are meeting their requirements by setting up bore wells and deep tube wells and by constructing septic tanks.

RUDA follows the policy of developing an area only when demand arises. Hence the appropriate authority waits for the people to build their houses and settle down. This causes immense hardships to the people and undue expenses are incurred for make-shift arrangements.

**T.P. Scheme No. 2 of R.M.C.**

Selection of Site :

Situated on the western limit of the Corporation, this area was selected adjacent to important educational institutions that were acting as catalysts for residential growth. The scheme area of 132 hectares is bound by the Municipal Corporation boundary in the west, the railway line in the east, the Kalawad Road in the north, which is a state

highway and the Nana/Mava Road in the south. The area is roughly about 5-6 kms. away from the centre of the city.

Formulation of the Scheme and the time taken : The scheme was initiated before the 1976 amendment of the Town Planning Act. Permission for the scheme was given on 13.8.75 and the intention was declared on 28.8.75. A list of the owners was obtained from the city survey records and the first meeting of the owners was held on 27.5.76. The draft scheme was sent for consultation to the Chief Town Planner on 2.6.76. The scheme was then published in the government gazette on 12.8.76 and finally submitted to the govt. for approval on 16.10.76. The govt. sanctioned the scheme on 25.2.77.

The R.M.C. scheme had two T.P.O.s during the scheme formulation. The first T.P.O. appointed for the Scheme on 5.4.77, was also the Deputy Town Planner of Junagarh. Because of his preoccupations with his parent department no work on the said T.P. scheme could be done. The government then appointed another T.P.O. on 15.9.77. The new T.P.O. joined his duty on 20.10.77.

According to the Act the T.P.O. was to formulate the preliminary scheme within one year. But the scheme was submitted to the government for approval only on 23.12.82, after 5 years, with seven extensions of time. The Board of Appeal was constituted on 3.3.84, to solve 16 appeals. The decision of the Board of Appeal was sent on 20.1.86, which the T.P.O. received on 4.2.86.

The preliminary scheme was sanctioned on 30.1.86, four years after the submission of the scheme and only after the judgement of the Board of Appeal. The scheme came into force from 14.3.86.

The final scheme dealing with the financial estimates was forwarded to the government on 27.5.86 and sanctioned on 15.6.87. The final notice was served to the owners on 20.7.87, after 12 years from the date of intention.

The stagewise details are given below :

<u>Stage</u>	<u>Time</u>	<u>Remarks</u>
Intention	28.8.75	-
Submission of Draft scheme	16.10.76	Late by 2 months.
Draft Scheme sanctioned	25.02.77	On time
Appointment of first TPO	05.04.77	Time wasted was 5 months
Appointment of second TPO	15.09.77	
Submission of preliminary Scheme	23.12.82	Late by 4 years
Board of Appeal constituted on	3.03.84	After one year and 2 months
Decision of the Board sent on	20.01.86	After 2 years,
Sanction of preliminary scheme	30.01.86	After almost 4 years instead of 2 months
Submission of Final Scheme	27.05.86	After almost 4 years instead of 2 months
Submission of Final Scheme	27.05.86	
Sanction of Final Scheme	15.06.87	On time.



In this case most of the stages were on time. But the Preliminary scheme was submitted late by 4 years and sanctioned late by another 4 years. The scheme's problem in identifying a T.P.O. also delayed the scheme by 5 months. The Board of Appeal took another 2 years to solve the disputed cases. So that in total the scheme took 12 years to mature.

Costing :

The total cost of the scheme was estimated at Rs. 92,55,596 out of which 76% was allocated for infrastructure, about 20% as compensation to the landowners and only 4% for legal and administrative expenses. The betterment levy covered 81% of the expenses. This actually left the municipality with a cost of Rs. 17,59,439, which was only 19% of the total expenses.

But the problems which the T.P. Schemes face are with cost escalations, as the cost estimates are calculated from the market value prevailing on the date of intention. Infrastructure development, therefore, faces serious financial constraints, as development begins almost 10-15 years after the date of intention. This procedure needs to be modified, or else, the developing agencies will shy away from developing the infrastructures.

In the case of T.P. Scheme No. 2 of the R.M.C., the betterment levy, as of the date of intention, was 81% of the estimated cost of development. But 12 years later on

completion of the project, taking into account the cost escalations the estimated cost of implementing the scheme worked out to Rs.2.26 crores instead of Rs. 92.55 lakhs as of the date of intention. Thus, over time, the betterment levy has as dropped down to a mere 33% of the estimated cost at the current prices (1990-91 prices), which means the RMC will have to fend for 67% of the cost of development.

Implementation :

The schemes of the RMC are better implemented than those of RUDA for the simple reason that the RMC already has a Public Works Department and are supposed to be providing services to all areas within the municipality.

In the case of T.P. scheme 2 of the R.M.C. the municipality has provided most of the facilities, though some roads are still under construction. The R.M.C. also has a Town Planning Department that carries out the tasks of formulating schemes very smoothly.

Comments :

T.P. Schemes were adopted by Gujarat to overcome resource constraints and to cut short the time taken for land acquisition and development. But the scheme has failed to fulfill both these objectives. The two case studies show how the processing of a T.P. Scheme is delayed and the extent to which the price of development escalates because of the delay. Hence, the only contribution of the T.P. Scheme as a development technique is that it makes land

easily available for planned development. The problems faced by T.P. Schemes are actually management problems. Our enquires revealed that there are a few T.P. Schemes which have been completed in a short span of time. Delay in formulating T.P.. Schemes can also be attributed to the built-in delays of the Town Planning Act. T.P.O.s complain of vague instructions given in the Act. There is, therefore, a need to revise the Act and weed out all the ambiguities.

With the introduction of the sale of plots, a T.P. Scheme, if not delayed, should have no resource constraints. The only unavoidable delay is on account of disputed ownership. In India, where multiple ownership of property is a common practice, such problems are inevitable. But where disputes are non-existent, as it is in the case of the Raiya Scheme of RUDA, there should be no delay in formulating the scheme.

Delay, therefore, seems to be the main culprit for the malfunctioning of the T.P. Schemes. Since this is basically a management problem, efforts should be made to solve this constraint.

NOTES

- 1] The strategies being adopted for planning and development of economic and social goods can be broadly divided in three classes :
- a. measures adopted to increase incomes of weaker groups by improving their productive capabilities and employment prospects;
  - b. investment in development of infrastructure and public utilities to serve depressed areas and backward communities; and
  - c. provision of social services and free public goods involving direct transfer of benefits thus adding indirectly to the disposable income of the beneficiaries.
- 2] The survey conducted by NIUA on 'Managing Urban Services' in four urban centres namely Baroda, Tiruchirapalli, Sehore and Devakottai revealed that in Sehore the municipal system reportedly served only 25 per cent of population in one zone and 90 per cent in another; while in Baroda, though the municipal system covered the entire population of the city, it supplied 36 litres per capita/day in one zone and 310 litres per capita/day in another. In most cases zones with lower average household income had low supply levels also.
- 3] The urban poor are at the intersection between underdevelopment and industrialization, and the resulting pattern of disease is complex, even paradoxical. Alongside persisting mal-nutrition and infectious diseases (the diseases of poverty), are an increasing prevalence of chronic diseases (the diseases of affluence), and a variety of social diseases and accidents.

## **Management of Water Delivery System A Case of Rajkot**

### **INTRODUCTION**

Development of systems for obtaining water for a variety of uses has been in existence in India for a long time. Besides, securing water from natural resources such as rivers, ponds, streams, lakes; well digging and construction of bawris could perhaps be termed as one of the earliest attempts of man's initiative to procure water. With the process of urbanisation and industrialisation, the demands on water for various uses increased manifold. To deal with the situation various agencies have been set up in order to secure water right from the source to the consumer. This comprises a variety of components like dams, storage reservoirs, treatment plants, underground and overhead tanks and city distribution network.

In Gujarat, two types of agencies are functioning for provision of water supply and sanitation in urban areas. Whereas the operation and maintenance of water supply vests with the municipal governments, its development and execution is the responsibility of the Gujarat Water Supply and Sewerage Board (GWSSB). GWSSB designs and constructs the water distribution systems and after completion of the project hands over the same to the concerned municipal bodies for its regular operation and maintenance.

This case study is an attempt to analyse the methodological and operational aspects of water delivery system in Rajkot - a city which falls in the category of water scarcity zone of Gujarat State. The study focuses basically on three major issues :

- i) Raw Water Resources in Rajkot with their capacity;
- ii) Procedure to get a new water connection; and
- iii) Tariff structure.

The aim of this case study is to provide a deeper insight into water connection procedure and tariff structure. The study is based on the scrutiny of official records, followed by the personal discussions with the officer-in-charge of water supply department of the Rajkot Municipal Corporation and his colleagues. Following issues were raised during the discussions :

- which agency is responsible for water delivery system;
- what are the sources of water supply;
- augmenting the water supply during recent years and reasons for such augmentation;
- factors taking into account while fixing water tariff;
- who initiates the tariff structure and the final authority to decide on it;
- system of granting water connection;
- time taken at various processing stages;
- types of connection given;
- billing procedure;
- in what circumstances, the authorities could refuse the water connection to the applicant.

**RAW WATER RESOURCES AND THEIR CAPACITY**

The public water distribution system in Rajkot was established in the beginning of 19th Century by the Rajkot Municipality.<sup>1</sup> As per the available statistics, upto 1974-75, the Aji Dam and twin lakes of Lalpari and Randarda were the only sources of water supply to Rajkot. The city had experienced a severe shortage of water in 1973-74, when the lakes had completely dried out and water level went down substantially in Aji Dam due to the failure of monsoon in the entire Saurashtra Region. This situation forced the State and local authorities to search for new sources of water other than the Aji Dam and twin lakes, not only to augment the normal water supply, but also to meet the increased demands from the increasing population. It may be mentioned that the population of Rajkot Corporation has gone up from about 132 thousand persons in 1951 to more than 556 thousand persons in 1991 - an increase of about 321 per cent in 40 years (Table 1).

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1. The first municipality was set up in Rajkot in 1870 and the Rajkot Municipal Act came into force in 1910. Its administration was controlled by 'Praja Pratinidhi Sabha' till the merger of Rajkot in Saurashtra state in 1948. After formation of Gujarat state. the Rajkot Municipality was governed by the Gujarat Municipalities Act, 1963. This municipality was upgraded to Municipal Corporation in 1973. It is being governed presently by the Bombay Provincial Municipal Corporation Act, 1949 (BPMC).

Table 1  
Population Growth in Rajkot Urban Centre  
(Municipal Corporation)

Census year	Population	Decadal growth rate(%)
1951	132,069	-
1961	194,145	47.00
1971	300,612	54.83
1981	445,076	48.06
1991	556,137	24.95

Source : Census of India

To deal with this situation, both short term and long term schemes were prepared. As a short-term measure, the State Government undertook a crash programme of supplying water from Bhadar Dam irrigation project. This emergency scheme was executed at a cost of Rs.200 lakhs to supply about 9 million litres water per day to the inhabitants of Rajkot in order to provide temporary relief from the water crisis. The scheme was later on terminated. As a long term solution to the water problem, Nyari Dam I project was implemented in 1975-76 which has a capacity of about 27 million litres water per day. Thus, in normal years (good monsoon years) the total quantity of water available for public distribution has been increased from 38.75 mlpd. to about 65.25 mlpd. to cater to the needs of about 5 lakhs inhabitants of Rajkot city. However, the rainfall character indicates that on an average, the actual stored water is only about 70 per cent of the designed capacity. In fact,



normal monsoon years are quite rare in the areas of Saurashtra region and inadequate water is a constant feature of this region. For instance, from 1985-86 to 1987-88, Rajkot was in the grip of severe water crisis, as the rainfall was only about 30 per cent of the average level. In those years, the availability of water to inhabitants was just 27 litres per capita per day which is quite inadequate even to meet the drinking requirements, not to say about water needs for other purposes such as bathing, washing and flushing. With a view to provide partial relief, the Corporation had prepared scarcity plans and implemented it. This included the transportation of water through tankers, drilling of tube wells, cleaning of wells and such other measures. But most of the scarcity plans were of temporary nature and also unproductive as hardly any permanent assets were created in those years. To find out permanent solution to such problems and also to meet the rising demand of water for the rapid growth of Rajkot, a half way implemented Bhadar Dam project was recommissioned in 1985 by the civic authorities with approval of the Government. The project has three phases with the total capacity of 45 mlpd water supply. At the time of survey, two phases of the project had been implemented with the capacity of 33.75 mlpd. The work of the last phase is in progress. In fact, Bhadar Dam is the second largest dam in the Saurashtra Region and has a catchment area of about 8000 sq.kms. Therefore, even in lean monsoon years the dam has enough storage capacity to supply water both for irrigation and other purposes. The

details regarding water sources, their capacity and distance from the city centre is given in Table 2.

Table 2  
Raw Water Sources and their Capacity in Normal Years

Sources	Approx. distance (kms.)	Designed capacity (mlpd.)	Treatment capacity (mlpd.)
I. Aji Dam-I including twin lakes	6	38.25	38.75
II. Nyari Dam-I	14	27.00	27.00
III. Bhadar Dam Project	65	33.75*	45.40
TOTAL	-	99.00	111.10

\* The project has three phases with the designed capacity of 45 mlpd. Till date, two phases of the project has been completed with the capacity of 33.75 mlpd. water supply.

Source : Rajkot Municipal Corporation

Presently, the designed capacity of water distribution systems in Rajkot is of the order of 99 mlpd. This works out to be about 178 litres per capita per day (lpcd.) which is quite reasonable keeping in view the norms and standards prescribed by various agencies. However, on an average, only 70 per cent of the system's total capacity is available for distribution and roughly 25 per cent of this goes as waste at different stages of water production and transmission. Thus, the actual availability of water to the consumers of Rajkot is only to the extent of 52.0 mlpd. In terms of per capita it works out to be about 94 lpcd.

During peak summer seasons, water crisis become more acute and in many cases residents have to purchase water from private vendors.

In order to meet the demand, the Municipal Corporation had dug around 400 bore wells and provided hand pumps at different locations. In addition, most of the residents of Rajkot have their own water supply arrangements such as tubewells and handpumps. But during peak summer season, many of them go dry. Therefore, adequate water supply is a constant problem of Rajkot Urban Centre.

It is significant to mention that along with execution of Bhadar Dam project, Rajkot Municipal Corporation has also initiated the water supply project based on Machchhu-I reservoir which is being implemented jointly by Rajkot Municipal Corporation and Jamnagar Municipal Corporation. The initial work of the project is already over. The proposed scheme will supply about 6.75 mlpd. water to Rajkot. Further, after completion of both the projects, a water grid will be established among the different water sources viz. Aji Dam, Nyari Dam, Machchhu and Bhadar Dam. This water grid will facilitate inter reservoir transfer of water which will be helpful in minimising natural losses like evaporation and seepage which vary from 45 per cent in Aji-I to 75 per cent in Bhadar Dam.

**Water Distribution and Treatment**

Raw water from the above three sources is pumped to the three different treatment plants with the help of pump sets. Before filtration, alum treatment is given to water and thereafter it is tested and carried to another chamber for chlorination. After chlorination, the water is received in six underground reservoirs located in three different water distribution zones. Regular tests are carried out in each case to maintain the quality of water. From these underground reservoirs (clean water), the water goes to the overhead tanks for distribution purpose. The city is being served by six overhead tanks (O.T.) located in the three zones. Zone I has one O.T., whereas zones 2 and 3 have two and three overhead tanks respectively. The distribution of water from reservoirs to overhead tanks is by pumping and from overhead tanks to the consumers is by gravity. However, in some cases pumping is required due to typical topography of Rajkot. The capacity of the underground reservoirs and overhead tanks is given in Table 3.

Table 3

## Capacity of Underground Reservoirs and Overhead Tanks

Sources	Reservoirs		Overhead Tanks	
	No.	Designed capacity (million litres)	No.	Designed capacity (million litres)
I. Aji Dam and Twin Lakes	1	11.25	1	11.25
II. Nyari Dam	2	4.50	2	2.25
III. Bhadar Dam	3	11.25	3	13.25
All	6	27.00	6	26.75

Source : Rajkot Municipal Corporation

In order to maintain the water pressure and ensure equitable distribution, 750 valves have been provided at the control room which are being operated manually by the pump operator. The supply of water to the consumers is once in a day with half-an-hour duration.

In case of complaints for break downs and repairs, the matter may be reported to the zonal office. Technical staff such as fitter is deputed for such works under the overall supervision of Deputy Engineer. The working hours of zonal offices are from 8.00 a.m. to 12 p.m. and from 2.00 p.m. to 6.00 p.m.

#### WATER CONNECTION PROCEDURE

There are two types of water connections in Rajkot - Metered and Unmetered. Out of a tally of about 67,000 connections. 56 thousands are unmetered and only 11,000 are metered. The number of different types of connections are given in Table 4.

Table 4  
Types of Connection

Types of connection	Domestic	Commercial and others	Total
Metered	-	11,000	11,000
Unmetered	56,000	-	56,000
All	56,000	11,000	67,000

Source : Rajkot Municipal Corporation

The population coverage by these connections is about 90 percent of the total population of Rajkot Municipal Corporation (RMC). The remaining 10 per cent of population is being served by public stand posts and other means of water supply. According to official estimates, there are approximately 600 public stand posts to serve over 60 thousand people of Rajkot. These standposts are generally located in low income settlements.

It may be mentioned that recognised slum dwellers are also entitled to get an in-house water connection from the Corporation. However, to get a connection, they are required to submit a zerox copy of conservancy tax paid to the Corporation for the current financial year along with the prescribed application form and other related documents.

#### **A New Water Connection - How to get it?**

On the basis of discussions with the RMC officers, it is observed that an applicant has to follow the following

route for obtaining a new water connection in his premises/house :-

- I. Formal request in the prescribed application form to the Municipal Commissioner;
- II. Scrutiny of request, keeping in view the feasibility and accessibility of water distribution system; and
- III. Final approval and installation of water connection.

At the first stage applicant is required to submit a formal request in the prescribed application form to the Commissioner, Rajkot Municipal Corporation for obtaining a new water connection. Following documents are also to be submitted in the office of the Commissioner along with the application form :-

- I. If the applicant is owner of the property where water connection is to be given
  - a) a copy of receipts for payment of house tax for the current financial year;
  - b) a copy of receipt of development charges;
  - c) a copy of ownership documents; and
  - d) a copy of ration card/electric connection or bill/gas connection or bill/telephone connection or bill.
- II. If the applicant is a tenant where water connection is to be given :

- a) a copy of the assessment order for house tax from the tax department of Corporation; and
- b) a copy of ration card/electric bill/gas connection or bill/telephone connection or bill.

Besides the above documents, Rs.500/- as a security deposit for each connection should also be deposited by the applicant in the Head Office for obtaining a fresh water connection. It is important to note that in case of newly constructed house, a building completion certificate from the Town Planning department of the Corporation is also required in order to get a water connection.

With a view to assess the real situation in securing a water connection at individual household level, issue of water connection was discussed at length with some of the officers of RMC having practical experience on the subject. It is observed from the discussions that getting a new water connection for a common man is a complicated procedure and time consuming job. Practically, each request has to follow a long route for final approval of a water connection. In all such technical matters, for the City Engineer (Water Supply) is the competent authority. The route is as follows:

Step 1 : Formal Request :

By the applicant to the Commissioner, Rajkot Municipal Corporation in the prescribed application form duly filled.



Step 2 : Processing:

From Commissioner's office to the City Engineer and from the City Engineer to the Deputy Engineer concerned.

Step 3 : Scrutiny :

By the Deputy Engineer (DE) concerned. He is required to visit the site and see the feasibility of giving a new water connection keeping in view the distance of water mains, water pressure, availability of water, need of the applicant, and such other factors. After making all kinds of enquires DE is required to submit his report to the City Engineer for his decision.

Step 4 : Decision :

City Engineer may approve or reject the case. In case of approval, City Engineer is required to send back the application to the Deputy Engineer concerned, who in turn mark it to the fitter for installation of water connection. It may be mentioned that the Fitter is responsible for final installation of water connection in the premises of connection holder.

Step 5 : Installation:

Fitter will first contact the applicant and ask him to provide material for water connection such as meter, (if needed), water tap, feeder line for connection and so on. In addition to this, the connection holder is required to deposit, at least a week in advance, work

charges including road cutting and repair-charges, security for connection and such other expenses in the tax department of RMC. After completion of all formalities, fitter is required to report the matter to the Deputy Engineer concerned for releasing the water connection.

Step 6 : Entry in Tax Department :

Before final installation of water connection in the premises of applicant, the DE is required to report the matter in writing to the City Engineer for its onward transmission to the Tax Superintendent. This is necessary for accounting and billing purpose. Tax department has a separate register for water supply with the following columns :

Sl.No.	Name of the applicant	Location/ Address	House No.	Ward No.	Size of connection	Date of sanction
1.	2.	3.	4	5.	6.	7
.	.	.	.	.	.	.

Step 7 : Final Installation of connection:

After making necessary entries in the tax register, the officer concerned (Tax Inspector) of the Tax department is required to send back all the papers related to water connection to the Deputy Engineer concerned

through proper channel, i.e. the Tax Superintendent and the City Engineer. At the final stage, Deputy Engineer will pass on an order to the fitter to connect the applicants' premises with municipal water supply.

On an average, the city water supply system has an addition of about 500-700 connections per year. However, in special circumstances like water scarcity, the Municipal Commissioner is empowered to refuse the permission for a fresh water connection. In the acute water crisis years from 1985 to 1988, no fresh connection was given to any person in Rajkot.

A close examination of official records indicates that, on an average, 30 to 90 days are required to get a water connection, starting from a formal request to practical installation of municipal water supply. The real life situation thus is in contrast to the official claims of about 10-15 days duration for final installation of water connection.

Two stages of water connection procedures are quite time consuming, i.e., scrutiny of request and the final decision. From the discussion it emerged that each stage takes about 15-20 working days. This can be reduced to a maximum one week by way of streamlining the entire procedure.

**BILLING**

The Deputy Municipal Commissioner, Rajkot Municipal Corporation is the head of Taxation Department and the Tax Superintendent who is next to the DMC in hierarchy is the Competent Authority who is responsible for preparation and collection of water charges, water tax and such other dues from the consumers. Billing procedure in Rajkot is fully computerized. Billing proforma has following six components : (i) Name of the consumer; (ii) Address; (iii) Register No. of connection or Registration No; (iv) Size of connection; (v) Rate; and (vi) Charges.

The collection of water rates are on annual basis. The tax department is required to sent these water bills to the consumers by post with a request to deposit the billing amount within 15 days either in the designated banks or in the Head office. There are six banks designated for this purpose. In case of non-payment within a given time, an interest @18% per annum is levied on the dues. However, in such cases, the Corporation is required to issue a demand notice to the defaulters. This is followed by a public notice. The next stage in case of non-payment is legal procedure in which the property of a defaulter may be attached. The organisation of Tax Department (Billing section) is as follows :-

Deputy Municipal Commissioner(1)---Tax Superintendent(1)  
--- Tax Inspector(18)---Clerks/Accountants

**TARIFF STRUCTURE:**

In principle, water tariffs are expected to cover all the operating costs of the service, such as, salary and wages, repair and maintenance, materials, interest alongwith instalments for repayment of loans, depreciation on capital assets and proportionate amount needed for replacement and renewal of capital assets. In practice, however, most of the local bodies find it difficult to meet even half of the expenditure on operation and maintenance of water supply system; rarely the local bodies have enough means to generate resources for meeting the needs for loan repayments or replacement and renewal of created capital assets. The situation of Rajkot is in no way different from the other municipal governments. The tariffs are low and distribution of water in most cases is through unmetered connections. In addition, significant population is being served by public stand posts which provide free supply of water.

There are two methods of charging for water in Rajkot Municipal Corporation.

**i. Charges based on Ferrule Rating**

This is a simple method for charging water and is based on the size of the connection. In Rajkot, most of the consumers are having unmetered water supply with 1/2" connection size. This system simplifies the accounting procedures and eliminates the problems of reading and repairing of water meters and billing to the consumers. However, this system has no control on the quantity of water

consumed and level of wastages. The same size of ferrule discharges varying quantities of water due to pressure zones - low and high, resulting in unequal service for a specific payment. This also leads to a reduction in the earnings. The existing (1990-91) water rates for a 1/2" connection are as follows :

Uses	Rate (Rs./p.m.)	Rate (Rs./anatum)
Domestic	20.00	240.00
Non-domestic such as industrial, commercial and gardening	40.00	480.00

Source : Rajkot Municipal Corporation

ii. **Charges based on Meter Reading**

This is a scientific method of charging for water as it is based on the quantity of water consumed. Rajkot is being served partially by metered water supply. Out of a tally of about 67,000 connections, only 11,000 connections (16.47%) are having metered water supply. Most of these connections are given for commercial and industrial purposes and have a minimum ferrule size of 3/4".

There are significant variations in the rates applicable to the domestic and non-domestic categories of consumers. The rates for non-domestic uses of water are almost three times higher than that of the domestic uses.

Uses	Rates/1000 litres of water consumed (Rs.), 1990-91
Domestic	2.40
Non-Domestic	9.60

Source : Rajkot Municipal Corporation

There are certain amount of minimum monthly charges which metered water connection holders are required to pay, irrespective of their meter readings and water bills. This system was introduced in order to discourage tampering of meters and calculations for defective meters. These charges are :

Size	Rate for domestic uses and for Govt. recognised schools	Rates for non-domestic uses such as industrial commercial & gardening
3/4"	72.00	576.00
1"	120.00	960.00
1 1/4"	180.00	1440.00
2"	480.00	3840.00
2 1/2"	720.00	5760.00
3"	1200.00	9600.00
4"	1800.00	14400.00
8"	3600.00	28800.00
12"	4800.00	38400.00

Source : Rajkot Municipal Corporation

It is important to mention here that none of the consumers with domestic water supply (1/2" connection size)

is having metered water supply for charging water. Similarly, all the consumers having water connections (3/4" size and above) for non-domestic uses are provided with metered water supply. Therefore, rates prescribed for 1/2" connection holders with non-domestic uses and 3/4" + connection holders for domestic uses are not in practice in Rajkot.

#### Fixation of Water Tariffs

As per the BPMC Act, 1949, the Standing Committee of the Corporation is empowered to prescribe water tariffs for different categories of consumers for a variety of uses. The Committee, generally approves the water rates for a renewable term of one or more years not exceeding five. In case of disagreement on tariff structure with the Designated Officers of the Corporation, the Committee may refer the issue to the General Board for its consideration and approval.

In case of rejection of tariff structure by the General Board on specific grounds, the Municipal Commissioner has power to refer the matter to the State Government for its intervention. In this situation, there is no escape for the General Board except to follow the State orders. These are, however, extreme situations and no such case has been reported by the authorities of Rajkot till date.

Within the Corporation, the City Engineer (Water Supply) is responsible for designing and revision of water



tariffs at different points of time, keeping in view different aspects on provision of water supply including direct and indirect costs. The components of these direct and indirect costs are as follows :

a) Direct Costs:

Establishment, power, chemicals, repairs, materials, purchase of spare parts, raw water charges, and such other expenses:

b) Indirect Costs:

Depreciation on capital assets and debt servicing such as interest alongwith instalments for repayment of loans:

As per the discussions with the officials of Rajkot, water rates for various uses have been revised twice during the last 10 years. It was revised first in 1980 and then in 1988. The following Table illustrates this :

Table 5  
Revision of Water Tariffs for Domestic Uses:  
Proposed and Approved

Years	Water Rates (Rs./annum)		% increase in approved rates (Base : 1980)
	Proposed	Approved	
Before 1980	-	60.00	-
1980	240.00	120.00	100.00
1988	360.00	240.00	300.00
1990	-	240.00	300.00

Source : Rajkot Municipal Corporation

The Table show that the approved water tariffs for domestic uses have been increased from Rs.60 p.m. in 1979 (Before 1980) to Rs.240 p.m. in 1990 - an increase of over 300 percent in 8 years. It is important to note that in 1988, the proposed rates for domestic unmetered water supply was Rs. 360 per annum as against the approved rates of Rs.240/- per annum.

### Operating Ratios

In this section of the study an attempt has been made to examine the expenditure-income relationship, the focus being on the proportion of expenditure that the Corporation is able to recover by way of income derived from sale of water to the consumers. The reference year is 1990-91. .pa

Table 6

Operating Ratios on Provision of Water Supply in Rajkot  
1990-91

Indicators	Expenditure (Rs.)*	Income (Rs.)**	Incomes as a proportion of expenditure(%)	Operating Ratio
I.Total	832,10,000	194,79,000	23.41	1:4.27
II.Per capita	149.62	35.02	23.41	1:4.27
III.Per 1000 litres water				
a)Produced	2.33	0.54	23.18	1:4.31
b)Actually distributed	4.38	1.02	23.28	1:4.29

- 1) Expenditure includes the expenses on regular operation and maintenance of water supply system including salary and wages; debt servicing and depreciation charges on capital assets.
- 2) Income includes the receipts from water charges/rates both from metered and unmetered connections.

Source : Rajkot Municipal Corporation

Data given in Table 6 shows that provision of water supply in Rajkot is a major financial liability on the Corporation, as the incomes by way of selling water to the consumers is far below than that of the operating expenditure on the system. The Table shows that at the existing tariff rates and the mode of supplies, the Corporation covers only 23.4 per cent of the total expenditure that it incurs on the operation and maintenance of the service in reference. The present collection level of water bills is said to be about 80 per cent of the demand, and even if it is raised by 100 per cent the cost recovery is not expected beyond 28 per cent of the operating expenditure.

The issue of income-expenditure gap is also looked at with the help of operating ratios - ratios of incomes to expenditure on a unit basis. It can be seen from Table 6 that the operating ratio is quite unfavourable in Rajkot - (1:4.31) which once again showing that the incomes from water supply form only a marginal proportion of the total expenditure on the service.

It may be mentioned that while making an attempt to examine the operating ratio in provision of water supply in Rajkot, all the components of cost-recovery had been clubbed together. These are : operation and maintenance costs, interest and instalments for repayment of loans and depreciation charges on capital assets.

Costwise breakup of these cost-recovery elements is given below :

Table 7  
Breakup of operating costs, 1990-91

Cost Recovery elements	Amount(lakh Rs.)	% to total
I. Operation and Maintenance	345.60	41.53
II. Interest+instalment for repayment of loans	336.50	40.44
III. Depreciation* on created capital assets	150.00	18.03
Total Costs	832.10	100.00

\* Calculated @10% per annum, keeping in view average life expectancy of 15 years for pump sets and related machinery; 20 years for distribution mains and other pipe lines; 30 years for civil work such as buildings.

Source : Rajkot Municipal Corporation

The analysis of operating ratios brings out clearly that water supply is highly a subsidized service and to bridge the income-expenditure gap, the Corporation is utilising other sources of their domestic revenues. It may be mentioned that water supply, sanitation and such other services are in the list of obligatory functions of the Corporation. Therefore, provision of these services has no relationship with the principle of full cost recovery from the service. In other words, these services are being financed by other means of Corporation earnings and for this purpose the Rajkot Municipal Corporation has developed a **pool of municipal funds**. It consists of the earnings from octroi, tax on properties, non-tax revenues and other

earnings which fall in the category of domestic sources of the Corporation. Approximately 25-30 per cent of this fund is said to be utilised for developmental activities including capital nature projects and the remaining amount is spent on the provision of core civic services.

#### **DIS-CONTINUE PROCEDURE**

The Corporation has powers to discontinue the municipal water supply of the consumer in case of non-payment of Corporation dues such as house tax, water charges or misuse of water by way of connecting booster pumps to the water distribution mains. Installation of booster pumps adversely affects the water supply to the neighbouring areas.

In order to detect the misuse of water, the Rajkot Corporation had set up a special squad under the overall supervision of the Deputy Engineer (Water Supply) to check unauthorised installation of booster pumps on the water supply mains and to take immediate action to discontinue the supply and removal of booster pumps wherever such misuse is noticed. Legally, restoration of water supply is very difficult in such cases and the defaulters are liable to pay a heavy penalty in order to resume their water supply.

In case of non-payment of dues, the Deputy Engineer (water supply) has a power to discontinue water supply to the defaulters. However, in all such cases, a consumer has a legal right to fight his case upto the level of civil

courts. Therefore, discontinuation of water supply in this case is not very easy and in most cases the matter is solved at the negotiable table. An Appalet Officer has been appointed by the Corporation for such cases and at the Corporation level, the Commissioner is the final authority to take decisions. In recent years, 24 thousand cases for re-assessment were reported to the Appalet Officer and 20 thousand of them were solved through negotiations.

#### **BROAD CONCLUSIONS AND SUGGESTIONS**

1. Due to unfavourable rainfall in the Saurashtra region, Rajkot is having a constant problem of adequate water supply and water crisis becomes more acute during peak summer seasons. During this period, the availability of water to the citizens of Rajkot sometimes even shrunked at the level of 27 litres per capita per day from the average supply of about 94 litres. Even the private arrangements of residents like borwells and handpumps go dry in this season.

With a view to provide sufficient water to the inhabitants of Rajkot, the Rajkot Corporation had undertaken two major water supply projects in the recent past. These are Bhadar dam project and Machchhu project. After implementation of these projects, the supply will be enhanced from the existing level of about 90 million litres per day (mlpd.) to approximately 108 million litres per day. It is also

proposed to establish a water grid among the various water sources such as Aji dam, Nyari dam, Machchhu dam and Bhadar dam in order to facilitate inter reservoir transfer of water. Through this grid, natural water loss like evaporation and seepage could be minimised to considerable extent.

2. The existing water utilisation ratio is about 70 per cent of the system's designed capacity. Further, approximately 25 per cent of the available water goes as waste at different stages of water distribution. Therefore, there is a need to utilise water supply system at its optimum level in order to supply more water to the consumers of Rajkot. By way of regular maintenance of the system and conversion of unmetered supply into metered supply this objective could be achieved. Operational efficiency can be improved substantially by way of fixing maintenance responsibilities at the zonal level.
3. In practice, on an average, 30 to 90 days are required to get a new water connection against the official claims of 10-15 days. In order to get a connection, one has to go through various bureaucraties and procedural hurdles, starting from a formal request to the final installation of connection. It was observed from the field that two stages, i.e., scrutiny of application and final decision on the request for a water connection, is quite time consuming.

Keeping in view the importance of potable water supply for human survival, there is an urgent need for streamlining the entire water connection procedure. One way could be to delegate the powers in this regard to lower levels like Deputy Engineer (water supply) and Assistant Engineer (water supply).

4. The provision of water supply in Rajkot is grossly underpriced, in the sense that what is spent on its provision is not being recovered. The prospects of full cost recovery on the provision of water do not appear to be bright, keeping in view the obligatory character of the service, on the one hand, and the social acceptency and political will on the other. However, a significant proportion on provision of water supply service can be realised by way of metering of the unmetered connections, charging the water supplies through public stand posts by way of levying a water tax on the properties, linking the tariff structure both with the direct costs and indirect costs, periodical revision of tariffs in tune with prices and partially privatisation of the water distribution system in order to minimize operational leakages.



## **BASIC SERVICES AND FINANCES:**

### **A STUDY OF NON-MUNICIPAL AREAS OF AHMEDABAD METROPOLITAN REGION**

#### **I. THE SETTING**

It was observed by the Committee of Direction of Gujarat Urban Development project that NIUA assessment report concentrated largely on municipal centres in relation to local finances and level of services and no information has been provided on the status of Nagar Panchayats and Village Panchayats. The Committee members were in the opinion that many villages especially adjoining the major urban centres are likely to be classified as urban settlements in near future. They proposed to study some of the settlements at the level of Nagar Panchayats and Village Panchayats which fall within the limits of a metropolitan region and development authorities.

Accordingly, five settlements with the status of Nagar Panchayats and Village Panchayats have been selected in relation to Ahmedabad Urban Agglomeration (AUA) and Ahmedabad Urban Development Authority (AUDA). The selection of these settlements has been done on the basis of population, socio-economic linkages with the metropolitan region and future development prospects. The area, civic

status and population of these settlements are presented in Table 1.1 below.

Table 1.1  
Area and Population of Selected Settlements  
(Non-Municipal Centres)

Settlements	Civic Status	Area 1981 (sq.km)	Population	
			1981	1991
Ranip	Nagar Panchayat	5.68	35438	60476
Mehmedabad	"	13.15	22309	26102
Sanand	"	40.42	22465	25656
Memnagar	Village Panchayat	2.10	6269	23369
Vastrapur	"	4.22	4924	11459

Source : Draft Development Plan of AUDA, 1981 and Census of India.

Being a part of Ahmedabad Metropolitan Region (AMR), the standard of services in these settlements are expected to have the same level as provided in the metropolitan centre. Therefore, an assessment of basic services as well as availability of resources to finance these services in the selected centres both municipal and non-municipal assume importance. With this objective in mind, besides five selected non-municipal areas, two municipal areas within Ahmedabad Metropolitan Region, viz., Ahmedabad Municipal Corporation (AMC) and Dehgam Municipality (DM) have also been selected for analysis purposes. The area and population of AMC and DM is given below.

Table 1.2

## Area and Population of Selected Municipal Centres

Municipal Centres	Civic Status	Area 1981 (sq.km.)	Population	
			1981	1991
Ahmedabad	Municipal Corporation	98.15	2059725	2872865
Dehgam*	Municipality	26.99	24865	31341

\* Upgraded at the level of Municipality in 1986 from Nagar Panchayat.

Source: Census of India 1991.

It is important to mention that whereas Ahmedabad Municipal Corporation and Dehgam Municipality are being governed by the Bombay Provincial Municipal Corporation Act (BPMC), 1949 and the Gujarat Municipalities Act, 1963 respectively, the non-municipal areas such as Nagar Panchayats and Village Panchayats are being governed by the Gujarat Panchayats Act, 1961. The taxation powers as well as basic functions of Nagar and Village Panchayats are more or less same as in the case of municipal governments. The taxation powers, however, vary in terms of its application and rate structure. It is observed that tax rates are considerably low in Village Panchayats and Nagar Panchayats compared to the municipal bodies of the State. The taxation powers and functions of Nagar Panchayats and Village Panchayats in Gujarat are given in Annex-I & II.

The data for the study have been collected from the selected Nagar Panchayats and Village Panchayats for the year 1988-89. In addition, data collected for the Assessment Report on Gujarat have also been used wherever it was necessary. For example, in order to compare the service levels and resources in the non-municipal areas with that of municipal areas, the data collected for earlier report have been utilised.

Besides the introductory section, the subject matter of the study is presented in four sections. The first three sections deal with the level of services, spendings on services and resource structure of Nagar Panchayat and Village Panchayat. In the last section, major issues and highlights of the study have been presented.

## **II. LEVEL OF SERVICES:**

The study has covered only four basic services, namely : water supply, sewerage, drainage and inner city roads and streets. The selection of services is governed by two criteria : Firstly, time constraints and data limitations have not allowed us to widen the scope of the analysis and secondly, we felt that these are, by and large, the most important functions of the Nagar Panchayats and Village Panchayats in Gujarat which need to be upgraded at satisfactory level in the first step of development. Whereas services like water supply and sanitation are essential for the healthy environment of a city and survival

of human being, a well managed road network is required to facilitate orderly development of a town or settlement.

Water Supply:

As in the case of Municipal Corporations and Municipalities, the provision of safe water supply is an obligatory duty of the Nagar Panchayats and Village Panchayats in Gujarat. The data collected from the Nagar Panchayats (NP) and Village Panchayats (VP) regarding population coverage by protected water supply show that, on an average, approximately 16.17 per cent of the population of these settlements have no access to the piped water supply system.

With the exception of Sanand, Mehmedabad Nagar Panchayats, in all the other settlements, a significant proportion of population is not being served by the protected water supply. This ranges from about 28.7 per cent in Ranip NP to as high as 40 per cent in Vastrapur V.P. In a sense, many of the habitants specially of Vastrapur Village Panchayat are dependent heavily on other sources of water supply such as open wells, or wells, tanks and sources, to meet their day-to-day requirements, including domestic needs. Since most of these sources are not safe for drinking purposes, use of water from these sources has a serious impact on the health of the people (Table 2.1).

Table 2.1

## Population Coverage by Piped Water Supply, 1988-89

Settlements	Total Population (Projected) 1989	% Population	
		Served	Unserved
<b>a. <u>Municipal Bodies</u></b>			
Ahmedabad Municipal Corporation	2707083	92.54	7.46
Dehgam Municipality	29612	100.00	Nil
Sub-Total	2736695	92.64	7.36
<b>b. <u>Nagar Panchayats</u></b>			
Sanand	24895	100.00	Nil
Mehmedabad	25092	100.00	Nil
Ranip	50754	71.25	28.75
Sub-Total	100741	88.19	14.48
<b>c. <u>Village Panchayats</u></b>			
Memnagar	17727	71.96	28.04
Vastrapur	9596	59.95	40.05
	27323	67.74	32.26
Total (b + c)	128064	83.83	16.17
Grand Total (a+b+c)	2864759	91.70	8.30

Source : NIUA Survey, 1992.

Yet another indicator to assess the performance of water supply among the selected settlements is the per capita water supply. Larger per capita supply with equally good coverage is the basic characteristics of well managed civic centres. Survey of selected settlements shows that the average per capita per day supply of water is about 84 litres, ranging from merely 58.85 lpcd in Ranip NP to as high as 156.79 lpcd in Memnagar VP. (Table 2.2)

Table 2.2

## Per Capita Water Supply and Gap in Service, 1988-89

Settlements	Existing per capita supply (litres/day)	Norms as Proposed by Zakaria Committee (lpcd)	Suggested Level (lpcd)	Gap (+)/(-)	
				Actual (lpcd)	% to supply
<b>a. Municipal Bodies</b>					
Ahmedabad Municipal Corporation	201.95	270.00	202		
Dehgam Municipality	81.05	67.50	202	-120.95	149.23
Sub total	200.21	-	202	-1.79	0.89
<b>b. Nagar Panchayats</b>					
Sanand	138.86	67.50	202	-63.14	45.47
Mehmedabad	127.89	67.50	202	-74.11	57.95
Ranip	58.85	112.50	202	-143.15	243.25
Sub total	98.98	-	202	-103.02	104.08
<b>c. Village Panchayats</b>					
Memnagar	156.79	45.00	202	- 45.21	28.83
Vastrapur	149.49	45.00	202	- 52.51	35.13
Sub total	154.52	-	202	- 47.48	30.73
Total (b+c)	108.56	-	202	- 93.44	86.07
Grand Total(a+b+c)	193.44	-	202	-8.56	4.43

- 1) Worked out on the basis of population served.
- 2) Current levels of Ahmedabad Municipal Corporation.
- 3) Litres per capita per day.

Source : NIUA Survey 1992.

Although in comparison to Zakaria Committee norms, the status of many settlements is high in terms of availability of per capita water supply, when compared it with that of Ahmedabad metropolitan city, none of the settlements comes up to existing levels, i.e., 202 litres per capita per day. The status of Dehgam municipality in this regard is not

satisfactory and needs to be upgraded at the metropolitan level.

In two Nagar Panchayats, i.e., Sanand and Mehmedabad, both the accessibility as well as adequacy of protected water supply seems to be at satisfactory level keeping in view their present status. However, to attain the level of service of Ahmedabad metropolitan city, further efforts would be required in terms of per capita water supply. On the other hand, the situation is grim in Ranip Nagar panchayat, where population coverage and also per capita water supply levels are quite below the accepted norm.

#### Sewerage

Standards for sewerage and drainage have not been specified. Many areas of the State do not have a sewerage system, and even where it exists, the capacity is not adequate to cope with the requirements. The effectiveness of sewerage system depends on the adequacy of water supply. (Refer : Issues & Strategies - Gujarat Assessment Report).

A recent survey undertaken in the settlements of Ahmedabad metropolitan region shows that with the exception of Sanand and Memnagar, all the other three settlements have sewerage system. The population coverage by sewerage system in these metropolitan settlements is quite appreciable, being the highest in Mehmedabad (100%), followed by Ranip (98.21%) and Vastrapur (66.67%).



It is significant that population coverage by sewerage in Mehmedabad and Ranip Nagar Panchayats is even higher than that of the Ahmedabad Municipal Corporation. It is indeed alarming that Dehgam Municipality is not having a sewerage system although it is a part of Ahmedabad Metropolitan Region (Table 2.3).

Table 2.3  
Population Coverage by Sewerage in the  
Selected Settlements, 1988-89

Settlements	Total population (projected) 1989	Population served, 1989	% to total
<b>a. <u>Municipal Bodies</u></b>			
Ahmedabad Municipal Corporation	2707083	2100000	77.57
Dehgam Municipality	29612	-	-
Sub total	2736695	2100000	76.73
<b>b. <u>Nagar Panchayats</u></b>			
Sanand	24895	-	-
Mehmedabad	25092	25092	100.00
Ranip	50754	49845	98.21
Sub-total	100741	74937	74.39
<b>c. <u>Village Panchayats</u></b>			
Memnagar	17727	-	-
Vastrapur	9596	6904	71.95
Sub-total	27323	6904	25.27
Total (b+c)	128064	81841	63.91
Grand Total (a+b+c)	2864759	2181841	76.16

Source : NIUA Survey, 1992.

It needs to be pointed out that two settlements namely, Mehmedabad and Ranip do not have an effective sewerage

system keeping in view their existing water supply levels. As per the accepted norms, atleast 150 litres per capita per day water supply is needed for efficient functioning of the sewerage system. Only Vastrapur settlement of the metropolitan region would seem to have effective sewerage system in terms of per capita water availability. Significantly, the sewerage system of Vastrapur has been connected with the sewerage net work of Ahmedabad Metropolitan city.

Thus, with a view to provide effective sewerage system in the settlements of Ahmedabad Metropolitan Region, it is important that first they should improve their water supply levels at least at the level of 150 litres per capita per day. The settlements which do not have sewerage at present may provide this service to their inhabitants keeping in view their water supply sources and resource affordability.

#### Drainage

Table 2.4 indicates the abysmal state of the drainage network in most of the settlements within the Ahmedabad Metropolitan Region. Of five settlements, only three could furnish the information on the surface drainage network meant for disposal of surface water from streets and other settlement areas. Two settlements, namely, Mehmedabad and Vastrapur have not provided the information on this service. Since these settlements already have sewerage system, they may not require a separate network of surface drainage for disposal of waste water.

Table 2.4

Population Coverage by Surface Drainage System in  
Selected Settlements, 1988-89

Settlements	Population (Projected) 1989	Population served (Projected) 1989	% to total
<b>a. <u>Municipal Bodies</u></b>			
Ahmedabad Municipal Corporation	2707083	2000000	73.88
Dehgam Municipality	29612	28195	95.21
Sub total	2736695	2028195	74.11
<b>b. <u>Nagar Panchayats</u></b>			
Sanand	24895	25702	100.00
Mehmedabad	25092	-	-
Ranip	50754	24171	47.62
Sub total	100741	49873	49.50
<b>c. <u>Village Panchayats</u></b>			
Memnagar	17727	12000	67.69
Vastrapur	9596	-	-
Sub total	27323	12000	43.91
Total (b+c)	128064	61873	48.31
Grand Total (a+b+c)	2864759	2090068	72.95

Source : NIUA Survey, 1992.

Considering three settlements, the maximum proportion of unserved population is to be found in Ranip, N.P. (52.38%), followed by Memnagar (32.31%). In Sanand, 100 per cent population coverage has been provided by surface drainage network. It is worth mentioning that the coverage by drainage network in all the Panchayat settlements except Sanand NP, is significantly low as compared to the municipal bodies of Ahmedabad and Dehgam. This shows the poor status

of these settlements in so far as drainage service is concerned. It is quite possible however, that these settlements may have natural drainage system for disposal of waste water for which data are not available.

#### Inner Settlement Roads and Streets

A well designed and well laid out road network is a civic necessity as well as convenience. While the inter-city highways and roads are managed by the State Government agencies, the internal road network of a settlement is the responsibility of the local authorities such as Nagar Panchayats and Village Panchayats.

The road pattern is generally based on the physical plan of a town or settlement, area, traffic intensity and functional character of the settlement. Two indicators are important to measure the quality and connectivity of roads. These are i) Road density, expressed in terms of kms per sq. km. of area; and ii) Ratio of surfaced roads (all-weather) and unsurfaced roads.

The road density level in all the settlements of Ahmedabad Metropolitan Region (AMR) is significantly low compared to the Ahmedabad Municipal Corporation level of 14.57 kms/sq. km. (Table 2.5). The situation is critical in Sanand (0.21 km./sq.km.), Mehmedabad (1.09 km./sq.km) and Vastrapur (1.66 km/sq.km.). Even in Dehgam Municipality, the road density is just 0.60 km/sq.km. area which should otherwise be at much higher level keeping in view the civic

status of the city. In fact, Dehgam has been upgraded at the level of Municipality recently (1986) from its original status of Nagar Panchayat. Therefore, the level of services in Dehgam in .pa principle should not be expected to be better than that of the other Nagar Panchayats of the Region.

Table 2.5

Road Density and Quality of Roads in the Selected Settlements, 1988-89						
Settlements	Road Length (kms.)				Area in sq.kms. (as per 1981 census)	Road density (km./sq.km.)
	Surfaced	Unsur- faced	Total	% Surfaced Roads		
<b>a. <u>Municipal Bodies</u></b>						
Ahmedabad Mun. Corporation	1225.00	205.00	1430.00	85.66	98.15	14.57
Dehgam Municipality	9.24	7.04	16.28	56.76	26.99	0.60
Sub total	1234.24	212.04	1446.28	85.34	125.14	11.56
<b>b. <u>Nagar Panchayats</u></b>						
Sanand	8.32	-	8.32	100.00	40.42	0.21
Mehmadabad	12.85	1.50	14.35	89.55	13.15	1.09
Ranip	20.80	7.20	28.00	74.29	5.68	4.93
Sub total	41.97	8.7	50.67	82.83	59.25	0.86
<b>c. <u>Village Panchayats</u></b>						
Memnagar	11.60	4.40	16.00	72.50	2.10	7.62
Vastrapur	5.50	1.50	7.00	78.57	4.22	1.66
Sub total	17.10	5.90	23.00	74.35	6.32	3.64
Total (b+c)	59.07	14.60	73.67	80.18	65.57	1.12
Grand Total (a+b+c)	1293.31	226.64	519.95	85.09	190.71	7.97

Source : NIUA Survey, 1992.

With regard to quality of roads, the survey shows that in a majority of settlements, the proportion of surfaced

roads to the total road network is close to the level of Ahmedabad Municipal Corporation. Interestingly, Sanand N.P. reported to have 100 per cent coverage by surfaced road network, followed by Mehmedabad (89.55%), Vastrapur (78.57%) and Memnagar (72.50%). Of all the services, a relatively better quality of roads in some of the settlements as compared to Ahmedabad City is perhaps the most striking feature of this analysis.

### III. SPENDING ON SERVICES

It is evident from the previous section that the quality and quantity of basic services in a majority of the Panchayat settlements is poor. Since spendings on services have a direct impact on the delivery and maintenance of services, we have examined the pattern of expenditure on the selected services provided by the Nagar Panchayats and Village Panchayats in a metropolitan region. The study covers only revenue expenditures (non-plan) which include the financial spendings on the establishment and operations of services. These are of recurring nature.

The analysis of data on spendings show that on an average, the Panchayat bodies in Gujarat spend Rs. 99.74 per capita per annum on the operation and maintenance of various services. The degree of variation in per capita expenditure in various settlements is exceptionally wide, ranging from a little over Rs. 73 in Memnagar Village Panchayat to as much as Rs. 163.74 in Mehmedabad Nagar Panchayat. It is

important to note that none of the settlements have the comparable per capita expenditure of the Ahmedabad Municipal Corporation, and in all the cases the gap is substantial. Even the per capita annual expenditure on services in Dehgam municipality in 1988-89 was just Rs. 181 as against the metropolitan level of Rs. 510 which is three times higher than that of Dehgam (Table 3.1).

Table 3.1

Per Capita Expenditure on Services vis-a-vis  
Zakaria Expenditure Norms at 1988-89 prices

Settlements	Z.C norms (Rs/per capita/annum)	Expending Expenditure (Rs./per capita/annum)	Gap (+)/(-) (Rs/per capita annum)
<u>a. Municipal Bodies</u>			
Ahmedabad Mun. Corp.	286.48	510.07	223.59
Dehgam Municipality	178.14	180.97	2.83
<u>b. Nagar Panchayats</u>			
Ranip	202.73	155.80	-46.93
Mehmedabad	178.14	176.08	-2.06
Sanand	178.14	119.79	-58.35
<u>c. Village Panchayats</u>			
Memnagar	154.65	82.47	-72.18
Vastrapur	154.65	91.21	-63.44
Total (b+c)	-	137.78	-
Grand Total (a+b+c)	-	490.02	-

Source : NIUA Survey, 1992.

Considering the proposed expenditure norms of Zakaria Committee at 1988-89 prices, no settlements qualify the standards. The situation is critical in Ranip N.P., Memnagar and Vastrapur Village Panchayats where the per

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capita expenditure is less than Rs. 100 which is not even 50 per cent of the norms proposed by the Zakaria Committee (ZC). It may be mentioned that per capita expenditure on services is comparatively better in Nagar Panchayats as compared to Village Panchayats of the region. In Mehmedabad Nagar Panchayat, the per capita expenditure on services is very close to the level maintained by the Dehgam Municipality in 1988-89. This indicates that upgradation of Nagar Panchayat to a municipal council alone does not help much in terms of level of services, it is the resources which needs to be developed in this regard.

An analysis of per capita expenditure on different services shows that the per capita expenditure is the highest on Public Safety (Rs.32.88), followed by Water Supply (Rs.30.59), General Administration (Rs.18.57) and Public Health/Sanitation (Rs.15.91). Medical Relief has the lowest per capita expenditure (Rs.5.81) whereas Education and Public Works have more or less the same levels of spendings - Rs.13.53 and Rs.11.36 respectively (Table 3.2).

Table 3.2

Per capita Expenditure on Different Service, 1988-89

Settlements	General adm.	Public safety	Water supply	Public health/ sanitation	Medical	Education	Public works	Commercial	Others	Total
a) Municipal bodies										
Ahmedabad	56.66	15.93	36.56	71.82	51.53	111.11	19.30		147.12	510.07
Dehgam	14.64	6.07	52.27	30.65	2.12	9.95	9.99		55.25	180.97
b) Nagar Panchayats										
Ranip	7.56	66.74	57.05	21.65	2.77	-	-	-	-	155.80
Mehmedabad	49.22	6.18	13.71	9.85	14.00	61.28	7.02	-	14.78	176.08
Sanand	19.98	8.83	13.76	26.34	7.52	7.79	4.45	-	31.08	119.79
c) Village Panchayats										
Mainagar	5.86	18.27	2.53	1.97	-	-	52.85	-	0.95	82.47
Vastrapur	16.46	13.02	30.26	0.14	6.73	0.12	24.02	-	0.41	91.21
Total (a+b+c)	18.57	32.88	30.59	15.91	5.81	13.53	11.36	-	9.10	137.78
Rank	3	1	2	4	8	5	6		7	-
Grand (a+b+c)	54.52	16.59	36.46	68.90	48.97	105.70	18.85		140.00	490.02

Source : NIUA Survey, 1992.

It is to be noted that the average per capita expenditure on important basic services such as water supply and sanitation is extremely low in most cases compared to the level maintained by the Ahmedabad Municipal Corporation. The situation is particularly grim with respect to sanitation where the gaps are substantial.

### Spending Pattern

The pattern of expenditure among the selected Nagar Panchayats and Village Panchayats has been analysed with a view to ascertain the relative importance of such services vis-a-vis other services provided by the Panchayat

administration in the Ahmedabad Metropolitan Region. Table 3.3 indicates that public safety accounts for the highest share of spendings (23.87%). Water supply and sanitation which are the most important services for human kind occupies only 2nd and 4th rank respectively.

A high level of expenditure on public safety in comparison to Public Health and Sanitation indicates that the Panchayat authorities have not paid adequate attention on allocation of resources keeping in view the importance of service.

It is significant to note that proportionate expenditure on sanitation (drainage, sewerage and solid waste disposal) is substantially low in the village Panchayats as compared to the Nagar Panchayats. Whereas the Memnagar V.P. has recorded only 2.39 percent proportionate expenditure on sanitation services, Vastrapur Village Panchayat has shown almost negligible expenditure on this account (0.16%). Water supply has also been accorded a low priority in Memnagar Village Panchayat as it accounted for only 3 per cent of the expenditure outlay of the Panchayat. Infact, both of these Panchayats had spent a significant proportion of their resources on development of roads and other similar activities in the reference year, 1988-89. Such a high level of expenditure on public works in comparison to sanitation and Water Supply is not the case with any other settlement of the Region.

Table 3.3

## Pattern of Revenue Expenditure, 1988-89

Settlements	Total expenditure (Rs.)	% share to total								
		General adm.	Public safety	Water supply	Public health/ sanitation	Medical relief	Education	Public works	Commercial activities	Others
a) Municipal bodies :										
Ahmedabad M. Corp.	1380812000	11.11	3.12	7.17	14.08	10.10	21.78	3.79	0.00	28.84
Dehgam M.	5359161	8.09	3.36	28.88	16.94	1.17	5.50	5.52	0.00	30.53
Sub total	1386171161	11.09	3.14	7.25	14.09	10.06	21.72	3.79	0.00	28.85
b) Nagar Panchayats :										
Ranip	7907691	4.86	42.84	36.62	13.90	1.78	0.00	0.00	0.00	0.00
Mehmedabad	4418394	27.95	3.51	7.79	5.59	7.96	34.81	3.99	0.00	8.40
Sanand	2982253	16.68	7.38	11.49	21.99	6.28	6.51	3.72	0.00	25.95
Sub Total	15308338	13.83	24.58	23.40	13.08	4.44	11.31	1.88	0.00	7.48
c) Village Panchayats :										
Mamnagar	1462000	7.11	22.16	3.08	2.39	0.0	0.00	64.09	0.00	1.16
Vastrapur	875253	18.05	14.28	33.18	0.16	7.39	0.13	26.34	0.00	0.46
Total (b+c)	17645591	13.48	23.87	22.20	11.55	4.22	9.82	8.24	0.00	6.42
Rank	-	3	1	2	4	8	5	6	0.00	7
Grand (a+b+c) total	1408816752	11.13	3.39	7.44	14.06	9.99	21.57	3.85	0.00	28.57

Source: NIUA Survey, 1992.

**IV. RESOURCE STRUCTURE**

It is evident from the preceding discussion that the Nagar Panchayats and the Village Panchayats do not spend adequately on services. Keeping in view the levels that are currently being maintained by the Ahmedabad Municipal Corporation and also the levels that have been proposed by

the Zakaria Committee, updated at 1988-89 prices, the study of a both sources of revenue as well as the structure of revenue is necessary with a view to examine the current level of income-expenditure differential in the selected settlements and additional financial requirements that the Panchayat institutions of the Region will require in order to bridge the current resource gap.

#### Income - Expenditure Deferential

Before analysing the fiscal resources of Panchayats in the settlements, it would be useful to examine first the present levels of revenue with regard to expenditure needs. It can be seen from Table 4.1 that both absolute and annual percapita expenditure of selected Panchayats is higher than their resources.

Table 4.1

Income - Expenditure Differentials :		
Selected Nagar Panchayats and Village Panchayat's, 1988-89		
Components	Total amount (Rs.)	Per capita (Rs.)
Income	13244329	103.41
Expenditure	17645591	137.78
Income-expenditure Differential	-4401262	-
% to income	-33.23	-

Source: NIUA Survey, 1992.

The average per capita income of nagar and village Panchayats of Ahmedabad Metropolitan Region is about Rs.103.41/- as against the expenditure level of Rs. 137.78 Income- expenditure analysis at individual settlement level

points out that with the exception of Mehmedabad where the Nagar Panchayat has recorded a marginal deficit of Rs. 2477 on the revenue account, in all the other settlements, the fiscal year 1988-89 closed with a huge amount of deficits, ranging from approximately 9 percent to income in Vastrapur V.P. to as high as 109 percent in Ranip Nagar Panchayat - (Annex-III).

In order to match the revenue and expenditure sides of the recurrent budget, the Panchayat authorities adopt different mechanism such as, diversion of funds from capital account, post poning the payment of contractors and suppliers, withholding the repayment of loans, over draft on liquid assets and other such measures.

As in the case of per capita expenditure, all the selected Panchayat settlements have lower levels of per capita incomes compared to Ahmedabad Municipal Corporation (AMC) and Dehgam Municipality (DM).

With an exception of Mehmedabad Nagar Panchayat which has almost similar income levels as in the Dehgam municipality, in all the other settlements the situation is grim more particularly in Ranip Nagar Panchayat.

Table 4.2

Percapita Income Levels in Selected Settlements, 1988-89				
Settlements	Percapita income (Rs.)	Rank	AMC	DM 2
<b>Municipal Bodies</b>				
Ahmedabad	441.71	1	Level	Level
Dehgam	194.39	2	Level	Level
<b>Nagar Panchayats</b>				
Ranip	74.64	6	Below	Below
Mehmedabad	175.98	3	Below	Below
Sanand	121.58	4	Below	Below
<b>Village Panchayats</b>				
Memnagar	68.42	7	Below	Below
Vastrapur	83.37	5	Below	Below
<b>Nagar/Village Panchayat Average</b>				
	103.41	-	-	-

Note: 1. AMC: Ahmedabad Municipal Corporation  
2. DM: Dehgam Municipality

Source: NIUA Survey, 1992.

In Ranip nagar Panchayat the percapita income level is even below Rs.50 per annum - almost six times lesser than the AMC average of Rs. 471/- (Table 4.2).

Poor level of per capita incomes in most of the Nagar Panchayats and Village Panchayat compared to the municipal centres of Dehgam and Ahmedabad leads to the conclusion that these institutions by and large, have poor resource base which needs to be strengthened in order to upgrade the service levels in these settlements to the level that are currently being maintained by the metropolitan city. Even to attain the half of the current levels, massive efforts would require at various levels including at the levels of Nagar Panchayats and Village Panchayats. Besides the resource mobilisation efforts of various nature, the

Panchayat authorities should also raise their efficiency in order to provide better services as compared to the existing levels. If Mehmedabad Nagar Panchayat can provide comparable better services within the existing resource network why can't Ranip Nagar Panchayat which has a similar delegated powers to generate resources as Mehmedabad. This shows that efficiency in a majority of the Panchayat bodies is low, and will need to be improved.

#### Income Components

As in the case of municipal authorities, the Nagar Panchayats and the Village Panchayats of Gujarat derive their revenue income mainly from two sources, viz. i) internal source and ii) external source. Whereas the internal sources consist of taxes and non-tax income, grants-in-aid and subsidies form part of the external sources. Table 4.3 gives the percentage distribution of revenues in the selected settlements according to major components.



Table 4.3

Sources of Revenue in the Selected Settlements, 1988-89

Settlements	Total revenue income (Rs.)	% share to total income			
		Internal			External
		Taxes	Non-tax	Others	Grants & subsidie
<b>a. <u>Municipal bodies</u></b>					
Ahmedabad	1195747000	70.54	6.82	4.98	17.66
Dehgam	5756522	22.68	39.75	19.21	18.35
Sub Total	12015035	70.31	6.98	5.04	17.67
<b>b. <u>Nagar Panchayat</u></b>					
Ranip	3788538	54.64	10.56	22.69	12.12
Mehmedabad	4415917	10.45	12.06	31.83	45.66
Sanand	3026761	11.27	46.03	31.03	11.66
Sub Total	11231216	25.58	20.71	28.53	25.18
<b>c. <u>Village Panchayat</u></b>					
Memnagar	1213000	92.00	2.64	0.00	5.36
Vastrapur	800113	55.74	2.86	38.86	2.55
Sub Total	2013113	77.59	2.73	15.44	4.24
Total (b+c)	13244329	33.46	17.98	24.35	24.20
Grand Total (a+b+c)	1214747851	69.91	7.09	5.26	17.74

Source: NIUA Survey, 1992.

Taxes form the most important source of revenue in a majority of Panchayats. On an average, roughly 33.5 per cent of revenue accrues from Panchayat taxes and a marginal 18.0 per cent from non-tax sources; grants come 2nd in order. A significant proportion of income has been

generated from 'other sources' for which details are not available. It may be noted that internal sources of revenues account for approximately three-fourth of the total Panchayat incomes, suggesting a low dependency on higher governments in the form of grants-in-aid. This situation is in no way different from the resource pattern in Ahmedabad and Dehgam municipal bodies where internal sources of income have a dominance over the external funding.

Settlementwise comparison of the composition of revenue income shows that with the exception of Mehmedabad and Sanand Nagar Panchayats, where other sources of income have shared a substantial proportion of their total incomes, in all the other settlements, taxes form the dominant position. However, dependency level on taxes varies from one settlement to another, ranging from about 55 per cent in Ranip Nagar Panchayat to as much as 92 percent in the Memnagar Village Panchayat. In all the Panchayat settlements, non tax revenues, such as charges for services rendered, rents and premiums from created assets and so on, have not shown significant contribution in the Panchayat incomes. This is not the case with many municipal bodies. For example, Dehgam municipality generated almost 40 per cent of its income from non tax sources. With a view to expand resource base of the Panchayat institutions and in order to improve service levels, it is desirable that they should concentrate more on the non-tax sources as compared to the traditional sources of funding such as taxes, which

have a limited scope of expansion due to variety of reasons, including legal constraints.

The non-tax sources have a great scope for resource generation to finance civic infrastructure. But it is unfortunate that many of the Panchayat institutions have not utilised it fully for raising their income levels. Keeping in view the resource generation potential in this sector, it is desirable that the Panchayat institutions should develop and widen their non-conventional sources, not only by utilising the sale proceeds of their properties and produce of such properties, but also by way of proper pricing of existing infrastructure and by undertaking additional revenue generating financially viable public activities such as distribution of milk supply, cooking gas and so on.

## **V. ISSUES AND HIGHLIGHTS**

### **Physical Service Levels**

Despite being a part of the Ahmedabad Metropolitan Region, most of the services in a majority of the Panchayat settlements are at low level. With the exception of quality of roads and inner settlement streets, the situation with regard to other basic services such as water supply and sanitation is grim. The average per capita availability of water works out to about 84 litres per day, ranging from 32 lpcd in Ranip Nagar Panchayat to 150 lpcd in Vastrapur Village Panchayat. In all the settlements including Dehgam Municipality, the per capita levels of water supply are

extremely low as compared to the metropolitan level of 202 lpcd. The situation is critical in Ranip and Memnagar Panchayats where both the accessibility as well as quantity of water supply is low.

This shows that many of the habitants of Nagar Panchayats and village Panchayats of Gujarat are still using traditional sources of water supply like wells and tanks in order to meet their day to day requirements. The consumption of water from these sources especially for drinking purpose is not safe and may affect the health of the user.

With regard to sewerage, there are two settlements, out of five selected in the Region which do not have sewerage systems. These are Sanand Nagar Panchayat and Memnagar Village Panchayat. Among the three sewerred settlements, in Vastrapur Village Panchayat, the population coverage by sewerage system is low as compared to Ahmedabad city, and in the other two settlements - Mehmabad and Ranip, they do have an effective sewerage systems keeping in view their existing water supply levels. The performance regarding surface drainage system is also not very encouraging. With the exception of Sanand Nagar Panchayat which has recorded 100 per cent coverage by drainage network, in all the other settlements, a significant proportion of population is not being served by this basic service, and in these settlements the population coverage by drainage network is significantly

low as compared to the level maintained by the Ahmedabad metropolitan city.

### **Financial Levels**

The analysis of spending on services has revealed that the per capita expenditure is far below the levels of Ahmedabad Municipal Corporation as well as Zakaria Committee expenditure norms. On an average, the Panchayat institutions spend Rs.99.74 per capita per annum on the operation and maintenance of the services. This amount is exceptionally lower than the levels currently being maintained by the Ahmedabad Municipal Corporation. Another indicator in this regard is the Zakaria Committee expenditure norms. Here again, all the settlements have recorded lower per capita expenditures than the levels proposed by the Committee. It may be mentioned that only Mehmedavad Nagar Panchayat has recorded expenditure on services which is close to the levels proposed by the Zakaria Committee. However, in comparison to Ahmedabad Municipal Corporation standards, the expenditure levels are quite low even in this 'better off' settlement. Significantly, the Mehmedabad nagar Panchayat has shown better performance of services in physical terms as compared to other settlements and in many cases like water supply and sewerage, the accessibility of the service is even higher than the levels currently being maintained by the Ahmedabad municipal corporation.

The situation is critical in Ranip Nagar Panchayat and Vastrapur Village Panchayat, where the expenditure levels of less than Rs.100 per capita are not even 50 per cent of the norms proposed by the Zakaria Committee, not to say about Ahmedabad Municipal Corporation which has much higher expenditure levels than that of Zakaria Committee's proposed norms. Incidentally, the physical level of services in the most sectors in these Panchayats is significantly low as compared to other settlements of the region.

A cross sectional analysis of expenditures on different services shows that the average per capita expenditure is significantly low on water supply and sanitation which are the most important services in the list of civic priorities. The Panchayat institutions spend just Rs. 34 per capita annually on these two services as against the Corporation level of more than Rs.155, a bare 22 percent of the suggested level. The situation of Village Panchayats in this regard is more critical as compared to Nagar Panchayats and more particularly in sanitation sector where both the Village Panchayats, namely, Memnagar and Vastrapur have recorded almost negligible amount in terms of per capita expenditures as well as proportionate expenditure on sanitation services.

The resource situation of the Panchayat institutions is very unsatisfactory which explains a low level of expenditure on services. The average per capita income placed at about Rs. 75 is extremely low as compared to the

expenditure level of Rs.99.74. With an exception of Mehmedabad where the Nagar Panchayat has recorded a marginal deficit of just Rs.2477, in all the other settlements, the fiscal year 1988-89 closed with a huge deficit. Obviously, the Panchayat institutions of the region are not an exception to the fiscal stress being taxed by many municipal bodies in the state.

As in the case of municipal governments, Taxes constitute the principal source of revenue in a majority of Panchayats and approximately three-fourth of the total incomes accrues only from the domestic sources which include besides taxes, non-tax sources also. This shows that dependency on State funding in order to finance Panchayat infrastructure is low in Nagar Panchayats and Village Panchayats. However, exceptional cases are there such as Mehmedabad Nagar Panchayat where external funding (Grants) accounts a little less than 50 per cent of the total income in the fiscal year -1988-89. This indicates that the level of services in Mehmedabad are better as compared to the other Panchayat settlements of the Region mainly because of heavy financial support from the State Government, which is not the case with any other settlement in reference.

Finally, it may be reiterated that the level of services both in physical as well as financial terms are low in Panchayat settlements as compared to the levels suggested. The sample Nagar Panchayats and Village

Panchayats of Ahmedabad Metropolitan Region will require an additional amount of approximately Rs.82 million in order to operate and maintain the basic services at levels that are currently being maintained by the Ahmedabad Municipal Corporation. The additional requirements, however, will shrink to Rs. 21 million if they choose to upgrade their service levels at levels proposed by the Zakaria Committee at 1988-89 prices. While working out the additional financial requirements for the horizon years, 1990-91 to 2010-11 at 1988-89 prices, it is assumed that the financial health of the sample Nagar Panchayats and Village Panchayats will be maintained at least at the existing levels, and will not be allowed to deteriorate further. (Table 5.1).



Table 5.1  
Additional Financial Requirements of Selected  
Nagar Panchayats and Village Panchayats  
for the Upgradation of Services, 1988-89 to 2010-11

Suggested Level	Requirements ('000 Rs.)				
	1988-89	1990-91	1995-96	2005-06	2010-11
<b>1. Metropolitan Level (543.78)</b>					
<u>Nagar Panchayat</u>					
- Sanand	10511	10924	12015	14460	15827
- Mehmabad	9229	9778	11249	14666	16644
- Ranip	23810	29097	47179	118634	185946
<u>Village Panchayat</u>					
- Memnagar	8427	11495	24144	99752	200255
- Vastrapur	4418	5431	8909	22773	35930
Sub Total	56395	66725	103496	270285	454602
<b>2. Municipality Level (163.78)</b>					
<u>Nagar Panchayat</u>					
- Sanand	1051	1175	1504	2240	2652
- Mehmabad	-	-	302	1331	1927
- Ranip	4524	6116	11562	33084	53357
<u>Village Panchayat</u>					
- Memnagar	1690	2614	6424	29196	59467
- Vastrapur	772	1077	2124	6300	10263
Sub Total	8037	10982	21916	72151	127666
<b>3. Zakaria Committee Level</b>					
<u>Nagar Panchayat</u>					
- Sanand (178.14)	1408	1544	1901	2702	3150
- Mehmabad (178.14)	54	234	716	1835	2483
- Ranip (202.73)	6501	8472	15213	41852	66947
<u>Village Panchayat</u>					
- Memnagar (154.65)	1528	2401	5998	27501	56084
- Vastrapur (154.65)	684	972	1961	5904	9646
Sub Total	10175	13623	25789	79794	138310
Grand Total	74607	91330	151201	422230	720578

Source: NIUA Projections, 1992.

Note: Figures in brackets refer to suggested level/standards.

The quantum of additional financial requirements for upgrading the services is substantial, and will require massive efforts at various levels including at the levels of Nagar Panchayats, Village Panchayats, Ahmedabad Urban Development Authority and State Government. At the level of Panchayats, the actions are almost similar as in the case of municipal bodies. This includes effective utilisation of existing domestic sources; efficiency linked external funding and resource generation through innovations. (Refer Gujarat Assessment Report: Issues and Strategies).

## Annex - I

**TAXATION POWERS OF NAGAR PANCHAYATS AND  
VILLAGE PANCHAYATS OF GUJARAT**

According to the Gujarat Panchayats Act, 1961, subject to any general or special order (including an order fixing the minimum and maximum rates of a tax or fee) which the State Government may make in this behalf, it shall be competent to a gram panchayat and to a nagar panchayat to levy all or any of the following taxes and fee:

- a tax on buildings (whether subject to payment of agricultural assessment or not) and lands (which are not subject to payment of agricultural assessment);
- octroi on animals or goods or both brought within the gram or nagar for consumption, use or sale therein;
- a pilgrim tax;
- a tax on fairs, festivals and other entertainments;
- a tax on vehicles, boats or animals used for riding, draught or burden;
- a toll on vehicles and animals;
- a tax on dogs kept within the gram or nagar;
- a general sanitary cess for the construction or maintenance, or the construction and maintenance, of public latrines and for the removal and disposal of refuse;
- a general water rate which may be imposed in the form of a rate assessed on buildings and lands or in any other form as may be best adopted to the circumstances of any class of cases;
- any other prescribed tax (not being a toll on motor vehicles or trailers, save as provided by section 20 of the Bombay Motor Vehicles Act, 1958 or tax on professions trade, callings and employment - Bom. & LXV of 1958 or tax on payments for admission to any entertainment which the State legislature has under the Construction, powers to impose in the State.

- a fee on markets and weekly bazars;
- a fee on cart-stands and tanga-stands;
- a special water rate for water supplied by the panchayat through pipes, which may be imposed in any form including that of charges for such water supplied fixed in such mode or modes as shall be best adopted in the circumstances of any class of cases;
- a fee for the supply of water from wells and tanks vesting in it, for purposes other than domestic use and for cattle;
- a fee for temporary erection, on, or putting up projections over, or temporary occupation of, any public street or place;
- a special sanitary cess upon private latrines, premises or compounds cleaned by the panchayat agency;
- a drainage tax;
- a lighting tax;
- a fee for cleansing a cess pool constructed on land whether belonging to a panchayat or not;
- a fee for grazing cattle or grazing lands vesting in a panchayat.

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Source: The Gujarat Panchayats Act, 1961.

**Annex II****FUNCTIONS OF THE NAGAR PANCHAYATS AND  
VILLAGE PANCHAYATS IN GUJARAT**

According to the Gujarat Panchayats Act 1961, the following are the duties of the Nagar/Village Panchayats in the matters pertaining to public health; public works; education and culture; planning and administration, community development and so on.

**In the sphere of sanitation and health:**

- supply of water for domestic use and for cattle;
- construction and cleaning of public roads, drains, ponds, tanks and wells other than tanks and wells used for irrigation purposes and other public places;
- sanitation, conservancy, the prevention and abatement of nuisance;
- preservation and improvement of public health, establishing and maintaining public hospitals and dispensaries providing public relief;
- regulation by licensing or otherwise of tea, coffee, and milk shops;
- provision, maintenance and regulation of burning and burial grounds;
- ensuring systematic disposal of carcasses, provision of definite place for the purpose and other means for the disposal of unclaimed crops and carcasses;
- construction and maintenance of public latrines;
- taking of measures to prevent the outbreak, spread and recurrence of any infectious disease;
- reclaiming of unhealthy localities;
- removal of rubbish heaps, jungle growth, prickly pear, the filling in of disused wells, insanitary ponds, pools, ditches, pits or hollows, the

prevention of water-logging in irrigated areas and other improvements of sanitary conditions;

- maternity and child welfare;
- the encouragement of human and animal vaccination;
- the provision and maintenance of compost pits;
- 1[regulating the keeping of cattle and taking necessary steps against stray cattle and dogs];
- regulating, checking and abating of offensive or dangerous trade or practices;
- watering public streets and places;
- cleaning public streets, places and sewers, and all spaces not being private property, which are open to the enjoyment of the public, whether such places are vested in the panchayat or not; removing the noxious vegetation, and abating all public nuisances;
- extinguishing fires, and protecting life and property when fires occur;
- removing obstruction and projections in public streets or places, and in spaces not being private property, which are open to the enjoyment to the public, whether such spaces are vested in the panchayat or belong to Government;
- securing or removing dangerous buildings or place;
- constructing, altering and maintaining public streets, culverts, panchayat boundary marks, markets, slaughter-houses, latrines, privies, urinals, drains, sewers, drainage works, sewage works, baths, washing places, drinking fountains, tanks, wells, dams and the like;
- obtaining a supply of an additional supply of water, proper and sufficient for preventing danger to the health of the inhabitants from the insufficiency or unwholesomeness of the existing supply when such supply or additional supply can be obtained at a reasonable cost;
- paying the salary and the contingent expenditure on account of such police or guards as may be required by the panchayats for the purposes of this Act or for the protection of any panchayat property;

- constructing and maintaining residential quarters for the conservancy staff of the panchayat;
- giving relief and establishing and maintaining relief works in time of famine or scarcity to or for destitute persons within the limits of the Panchayat.

**In the sphere of public works:**

- removing of obstructions and projections in public streets or places and in sites, not being private property, which are open to the public whether such sites are vested in the panchayat or belong to Government;
- construction, maintenance and repair of public roads, drains, bunds and bridges:  
  
Provided that if the roads, drains, bunds and bridges vest in any other public authority, such work shall not be undertaken without the consent of that authority;
- maintenance and regulation of the use of buildings handed over to the panchayat or of Government buildings under the control of the panchayat, grazing lands, forest lands including lands assigned under section 28 of the Indian Forest Act, 1927, XVI of 1927 and tanks and wells (other than tanks and wells for irrigation);
- lighting of the gram or nagar as the case may be;
- control of fairs, bazars, tonga-stand and cart-stands;
- construction and maintenance or control of slaughter houses;
- planting of trees in market places and other public places and their maintenance and preservation;
- construction and maintenance of Dharmashalas;
- management and control of bathing and washing ghats which are not managed by any authority;
- establishment and maintenance of markets;
- construction and maintenance of houses for conservancy staff and village functionaries of the panchayat;

- provision and maintenance of camping grounds;
- establishment, control and management of cattle pounds;
- establishment and maintenance of works for the provision of employment particularly in times of scarcity;
- extension of village sites or nagar sites as the case may be and the regulation of buildings and housing schemes in accordance with such principles as may be prescribed;
- construction and maintenance of buildings for warehouses, shops, purchasing centres and such others;
- construction and maintenance of buildings for common use and of buildings necessary for development activities;
- generation, distribution and supply of electrical energy and other matters connected therewith.

**In the sphere of education and culture :**

- spread of education;
- establishment and maintenance of akhada, parks, clubs and other places of recreation for the welfare of women and youth;
- establishment and maintenance of theatres for promotion of art and cultural;
- establishment and maintenance of libraries and reading rooms;
- promotion of social and moral welfare of the village including prohibition propaganda, removal of untouchability, amelioration of the condition of the backward classes, the eradication of corruption and the discouragement of gambling and other antisocial activities;
- assisting the introduction of compulsory primary education as planned by the state;
- provision of school-buildings and of necessary equipment for education;
- pre-primary education and child-welfare activities;



- repairs and maintenance of school buildings;
- maintenance of school funds;
- offering financial assistance to needy students;
- celebration of school functions and festivals;
- arranging cultural programmes for the purposes of popular education;
- provision for light meals for school children, if possible;
- establishment, construction and maintenance of secondary schools.

**In the sphere of self-defence and village-defence:**

- watch and ward of the gram or nagar and of crops therein and raising volunteer organisations or organisations of any other kind, encouraging and assisting such organisations;
- providing for training facilities to the youth of the gram or nagar as the case may be for the purpose of self-defence and gram-defence and assisting such training that may be organised by the Government;
- preventing of fires, rendering assistance in extinguishing fires and protecting life and property when fire occurs.

**In the sphere of planning and administration:**

- the preparation of plans for the development of the gram or nagar, as the case may be;
- assisting the implementation of soil improvement projects of the State Government;
- economic survey of the gram or nagar as the case may be accompanied by the provision of employment to the unemployed or under employed residents thereof;
- preparation of budget, collection and maintenance of accounts, custody and utilization of funds, assessment and collection of taxes and maintenance of an Account Code;

- use of assistance given by the Central or State Government for any purpose of the village;
- making independent surveys of the gram or nagar as the case may be or assisting such surveys undertaken by the Central or State Government;
- recruitment, training and management of staff to be employed by panchayat;
- control of cattle-stands, thrashing floors, grazing grounds and community lands;
- establishment, maintenance and regulation of fairs, pilgrimages and festivals;
- reporting to proper authorities complaints which are not removable by the panchayat;
- preparation, maintenance and up-keep of the panchayat records;
- registration of births, deaths and marriages in such manner and in such form as may be laid down by the State Government by general or special order in this behalf;
- numbering of premises.

**In the sphere of Community Development:**

- relief of the crippled, destitute and sick;
- assistance to the residents when any natural calamity occurs;
- organising, encouraging and assisting co-operative activities in the economic and social fields;
- propagation of family planning;
- organising voluntary labour for community works and works for the uplift of the gram or nagar as the case may be;
- opening fair-price shops;

**In the sphere of agriculture, preservation of forests and pasture lands:**

- planned improvement of agriculture;

- securing minimum standards of cultivation in the gram or nagar as the case may be with a view to increasing agricultural production;
- establishment and management of model agricultural farm;
- the establishment and maintenance of granaries;
- bringing under cultivation waste and fallow lands vested by the State Government in the panchayat;
- ensuring conservation of manurial resources, preparing compost and sale of manure;
- production of improved seeds, the establishing of nurseries of improved seeds and promoting the use of improved seeds;
- promoting the use of improved agricultural implements and making such implements easily available;
- the promotion of co-operative farming;
- crop-protection and crop-experiments;
- minor irrigation, construction and maintenance of filled channels and distribution of water;
- raising preservation and improvement of village forests, pastures and orchards;
- taking steps against harmful animals with a view to protection of crops.

**In the sphere of Animal Husbandry :**

- improvement of cattle, and cattle-breedings;
- the general care of live-stock;
- providing and maintaining stud bulls for purposes of cattle-breeding;
- promotion of dairy farming.

**In the sphere of Village Industries :**

- surveying and harnessing industrial and employment potential of the gram or nagar as the case may be;

## Annex III

## Statement of Revenue Income and Expenditure in Ahmedabad Metropolitan Region, 1988-89

Selected settlements	Income (Rs.)	Expenditure (Rs.)	Income expenditure differential		Per capita (Rs.)	
			Amount (Rs.)	% to total	Income	Expenditure
a) Municipal bodies						
Ahmedabad (MC)	1195747000	1380812000	- 185065000	- 15.48	441.71	510.07
Dahgam (M)	5756522	5359161	397361	6.90	194.39	180.97
Sub total	1201503522	1386171161	- 184667639	- 15.37		
b) Naga panchayats						
Ranip	3788538	7907691	- 4119153	- 108.70	74.64	155.80
Mehmedavad	4415917	4418394	- 2477	- 0.05	175.98	176.08
Sanand	3026761	2982253	44508	- 1.47	121.58	119.79
Sub total	11231216	15308338	- 4077122	- 36.30	111.48	151.95
c) Village panchayats						
Memnagar	1213000	1462000	- 249000	- 14.76	68.42	82.47
Vastrapur	800113	875253	- 75140	- 9.31	83.37	91.21
Sub total	2013113	2337253	- 324140	- 16.10	73.67	85.54
Total (b+c)	13244329	17645591	- 4401262	- 33.23	103.41	137.78
Grand total (a+b+c)	1214747851	1403816712	- 189068861	- 15.56	424.03	490.02

Source: NIUA Survey, 1992.

## Annex IV

## Component wise Per Capita Revenue Income in the Selected Settlements of Ahmedabad Metropolitan Region, 1988-89

(Rs.)					
Selected settlements	Total	Tax	Non-tax	Grants	Others
a) Municipal bodies					
Ahmedabad (MC)	441.71	311.57	30.12	78.00	22.00
Dehgam (M)	194.39	44.09	77.27	35.67	37.34
b) Nagar panchayats					
Ranip	74.64	40.78	7.88	9.04	16.93
Mehmedavad	175.98	18.38	21.22	80.36	56.01
Sanand	121.58	13.70	55.96	14.16	37.72
c) Village panchayats					
Memnagar	68.42	62.78	1.80	3.66	-
Vastrapur	83.37	46.47	2.38	32.39	2.12
All (a+b+c)	424.03	296.43	30.09	75.20	22.30

Source: NIUA Survey, 1992.

- promoting hand-spinning, hand-weaving, dying, printing, embroidery, sewing, oil-pressing industry, leather-industry, pottery, carpentry, smithy, industries processing agricultural raw materials into finished products, other cottage industries and special arts or craft of the village, if any and protecting, encouraging and assisting these with a view to improving and develop them;
- providing necessary raw materials for cottage industries and arts and crafts;
- making efforts for the production by the village craftsmen of modern and improved tools for cottage industries and making such tools easily available to them;
- encouraging and assisting artisans for training in cottage industries and handicrafts;
- providing for the organisation, management and development of cottage industries on a co-operative basis.

**In the sphere of collection of land revenue:**

- collection of land revenue when so empowered by the State Government under section 149;
- maintenance of records relating to land revenue in such manner and in such form as may be prescribed from time to time by or under any law relating to land revenue.

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Source: Gujarat Panchayats Act, 1961.

## Annex V

Population Estimates of Selected Settlements of  
Ahmedabad Metropolitan Region

	Projected Population				
	1989	1991	1996	2006	2011
<u>MUNICIPAL BODIES</u>					
AHMEDABAD	2707083	2872865	3333108	4486606	5205376
DEHGAM	29612	31341	36119	47970	55282
<u>NAGAR PANCHAYAT</u>					
SANAND	24895	25656	27662	32157	34671
MEHMADABAD	25092	26102	28808	35091	38729
RANIP	50754	60476	93728	225132	348917
<u>VILLAGE PANCHAYAT</u>					
MEMNAGAR	17727	23369	46631	185672	370495
VASTRAPUR	9596	11459	17855	43350	67546

# SERVICES



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## Annex A.1

## Population and Area of the Sample Urban Centres (Municipal Bodies)

Region/ Sample cities	Civic status (as per 1981)	Municipal area in sq. kms. (as per 1981 census)	Population		
			1981 (census)	1984 (esti- mates)	1989 (esti- mates)
<u>SOUTH</u>					
Vadodara	AA	108.26	734473	841508	1055673
Navsari	A	8.52	106793	119714	144817
Godhra	B	20.16	85784	92634	105289
Bilimora	C	16.00	43755	50971	65738
Total		152.94	970805	1104827	1371517
<u>CENTRAL</u>					
Ahmedabad	AA	98.15	2059725	2227915	2539300
Nadiad	A	28.48	142669	154976	177893
Anand	B	21.13	83936	93226	111049
Borsod	C	24.89	38684	41447	46496
Total		172.65	2325014	2517564	2874738
<u>NORTH</u>					
Mahesana	B	12.87	72872	80824	96051
Unjha	C	35.15	37725	41624	49039
Total		48.02	110597	122448	145090
<u>SAURASHTRA</u>					
Rajkot	AA	69.00	445076	500683	609223
Junagarh	A	13.47	118646	126633	141159
Veraval-Patan	A	38.40	105307	116353	137396
Wadhwan	C	18.41	38832	41716	47005
Total		139.28	707861	785385	934783
<u>KUCHCHH</u>					
Bhuj	B	9.48	69693	76016	87853
Anjar	C	17.81	33623	35791	39718
Total		27.29	103316	111807	127571
All/Average		540.18	4217593	4642031	5453699

Source: NIUA Survey, 1991.

## Civic Status:

AA Population Size of a Municipal Body  
Municipal Corporation (1,00,000+ having a status of  
Municipal Corporation).

A	1,00,000+
B	50,000 - 1,00,000
C	25,000 - 50,000

Selection Criteria of Cities

The following criteria has been adopted in the selection of 16 urban centres (municipal bodies) in Gujarat :

- i. Status of the urban centre;
- ii. Zonal or regional representation;
- iii. Population Growth Rate (1971-81);
- iv. Existing of IDSMT Scheme; and
- v. Classified GEMS according to the National Commission on Urbanisation Report.

Annex A.2

Performance Indicators for Assessing the Level of Services

Service	Indicators
I. Water Supply	a. Percentage of Urban Centres having potable water supply b. Percentage of Population served by water supply c. Per capita Water Supply (Litre per capita per day) d. Gap in per capita water supply according to suggested norms.
II. Sewerage	a. Percentage of urban centres having sewerage system b. Percentage of population served by sewerage c. Adequacy of sewerage system. d. Gap in population coverage by sewerage according to norms
III. Surface Drainage	Percentage of population served by drainage
IV. Refuse Disposal	Refuse Disposal Level (Extent of Disposal as a Proportion to Generation)
V. Inner City Roads/Streets	a. Road Density (Road Length/Sq. Kms. municipal area) b. Quality of Roads (Percentage of Surfaced Roads as a proportion to total road network)
VI. Medical Relief	a. Medical Institutions - Population Ratio (No. of medical institutions per 20,000 persons) b. Bed-population Ratio (No. of Beds per 1000 persons)

Contd....



Service	Indicators
	c. Doctor-population Ratio (No. of Doctors per 1000 persons).
	d. Medical Institution Ratio (No. of Doctors per medical institution)
VII. Primary Education	a. School-population Ratio (No. of schools per 4000 persons)
	b. Students-Teacher Ratio (No. of Students per teacher)
	c. Percentage of Enrolment to school going population (Enrolment in primary schools as a percent of total population in 6-14 years of age group).
	d. Students-School Ratio (No. of students per primary school).

Annex A.3

Status of Potable Water Supply in Urban Gujarat  
(as on 1st April, 1988)

Region/ Sample cities	No. of towns as per 1981 census	No. of towns at present (1.9.88)	No. of towns fully covered required augmentation till 1995	No. of towns fully covered required extension of service level	No. of towns partly covered required extension of Pipe line	No. of towns partly covered needs augmen- tation & extension	No. of towns having no protected water supply
1	2	3	4	5	6	7	8
<u>SOUTH</u>							
Valsad	22	22	5	17	-	-	-
Surat	21	12	8	4	-	-	-
Bharuch	8	8	1	-	2	5	-
Vadodara	19	19	9	4	3	3	-
Panchmahals	9	9	4	2	1	2	-
Dangs	-	-	-	-	-	-	-
<u>CENTRAL</u>							
Kheda	18	18	8	5	5	-	-
Ahmedabad	30	30	20	-	5	4	1
Gandhinagar	1	1	1	-	-	-	-
<u>NORTH</u>							
Mahesana	14	16	7	1	-	8	-
Sabarkantha	8	10	-	2	-	8	-
Banaskantha	5	5	1	-	-	4	-
<u>SAURASHTRA</u>							
Jamnagar	17	17	3	1	3	8	2
Junagadh	22	25	16	6	-	-	3
Amrela	12	12	-	-	1	8	3
Bhavnagar	16	17	3	-	10	4	-
Surendranagar	11	12	5	-	3	1	-
Rajkot	12	14	7	-	1	5	1
<u>KUCHCHH</u>							
Kachchh	10	10	3	3	1	3	-
All States	255	257	101	48	35	63	10

Source : Gujarat-2005, Papers on Perspective Plan, Planning Division, Govt. of Gujarat, 1989.

Annex A.4

Gap in Per Capita Water Supply Levels in the Same Urban Centres, 1988-89

Region/ Sample cities	Civic status	Population (est.) 1989	Total water supply 1988-89 (mlpd)	Per capita water supply (lpcd)*			
				Norms as recommended by Zakaria Committee	Actual supply	Gap (+)/ (-)	% to total
<b>SOUTH</b>							
Vadodara	AA	1055673	193.50	202.5	193.50	-9.00	4.4
Navsari	A	144817	24.35	157.5	191.84	+34.30	21.8
Godhara	B	105289	4.50	157.5	54.22	-103.28	65.6
Bilimora	C	65738	2.70	112.5	72.97	-39.53	35.1
Total		1371517	255.05	157.5	180.48	+22.98	14.6
<b>CENTRAL</b>							
Ahmedabad	AA	2539300	474.60	270.0	201.95	-68.05	25.2
Nadiad	A	177893	22.50	157.5	142.41	-15.19	9.6
Anand	B	111049	8.15	157.5	82.32	-75.18	47.7
Borsod	C	46496	3.69	67.5	123.00	+55.50	82.2
Total		2874738	508.94	163.1	192.99	+29.87	18.3
<b>NORTH</b>							
Mahesana	B	96051	9.10	112.5	126.38	+13.88	12.8
Unjha	C	49039	4.50	67.5	112.50	+45.00	66.7
Total		145090	13.60	90.0	121.42	+31.42	34.9
<b>SAURASHTRA</b>							
Rajkot	AA	609223	66.18	202.5	120.33	-82.17	40.6
Junagarh	A	141159	22.62	157.5	167.56	+10.06	6.4
Veraval-Patan	A	137396	4.50	157.5	49.21	-108.29	68.8
Wadhwan	C	47005	4.00	67.5	114.74	+47.24	69.9
Total		934783	97.30	146.3	119.93	-26.37	18.0
<b>KUCHCHH</b>							
Bhuj	B	87853	8.00	112.5	100.00	-12.50	11.1
Anjar	C	39718	3.20	67.5	114.28	+46.78	69.3
Total		1257571	11.20	90.0	103.70	+13.7	15.2
All/Average		5453699	856.09	129.38	174.17	+44.79	34.61

\* Worked out with the population served.  
Source : NIUA Survey, 1991

Annex A.5

Population Coverage by Water Supply in the  
Sample Urban Centres 1988-89

Region/ Sample Cities	Population (Ests.) 1989	Population Served		Unserviced Population (% to total)	Rank
		Actual	% of total		
<u>SOUTH</u>					
Vadodara	1055673	1000000	94.72	5.28	15
Navsari	144817	126927	87.64	12.36	9
Godhara	105289	83000	78.83	21.17	7
Bilimora	65738	37000	56.28	43.72	1
<b>Total</b>	<b>1371517</b>	<b>1246927</b>	<b>90.91</b>	<b>9.09</b>	<b>-</b>
<u>CENTRAL</u>					
Ahmedabad	2539300	2350000	92.54	7.46	14
Nadiad	177893	158000	88.81	11.19	10
Anand	111049	99000	89.14	10.86	11
Borsod	46496	30000	64.52	35.48	2
<b>Total</b>	<b>2874738</b>	<b>2637000</b>	<b>91.73</b>	<b>8.27</b>	<b>-</b>
<u>NORTH</u>					
Mahesana	96051	72000	74.96	25.04	6
Unjha	49039	40000	81.56	18.44	8
<b>Total</b>	<b>145090</b>	<b>112000</b>	<b>77.19</b>	<b>22.81</b>	<b>-</b>
<u>SAURASHTRA</u>					
Rajkot	609223	550000	90.27	9.73	12
Junagarh	141159	135000	95.63	4.37	16
Veraval-Patan	137396	91444	66.55	33.45	3
Wadhwan	47005	34860	74.16	25.84	5
<b>Total</b>	<b>934783</b>	<b>811304</b>	<b>86.79</b>	<b>13.21</b>	<b>-</b>
<u>KUCHCHH</u>					
Bhuj	87853	80000	91.06	8.94	13
Anjar	39718	28000	70.49	29.51	4
<b>Total</b>	<b>127571</b>	<b>108000</b>	<b>84.65</b>	<b>15.35</b>	<b>-</b>
<b>All/Average</b>	<b>5453699</b>	<b>4915231</b>	<b>90.12</b>	<b>9.88</b>	<b>-</b>

Source : NIUA Survey, 1991

Annex A.6

Per Capita Water Supply levels in the Sample Urban Centres,  
1983-84 and 1988-89

Region/ Sample cities	Water supply (mlpd)		Per capita water supply (lpcd)*	
	1983-84	1988-89	1983-84	1988-89
<u>SOUTH</u>				
Vadodara	167.00	193.50	198.45	183.30
Navsari	18.00	24.35	150.36	168.14
Godhara	5.50	4.50	59.37	42.74
Bilimora	2.69	2.70	52.78	41.07
Total	193.19	225.05	174.86	164.09
<u>CENTRAL</u>				
Ahmedabad	440.00	474.60	197.49	186.90
Nadiad	14.08	22.50	90.85	126.48
Anand	7.69	8.15	82.49	73.39
Borsod	3.69	3.69	89.03	79.36
Total	465.46	508.94	184.89	177.04
<u>NORTH</u>				
Mahesana	9.49	9.10	117.42	98.80
Unjha	4.05	4.50	97.30	91.76
Total	13.54	13.60	110.58	96.42
<u>SAURASHTRA</u>				
Rajkot	65.80	66.18	131.42	108.63
Junagarh	17.00	22.62	134.25	160.24
Veraval-Patan	1.60	4.50	13.75	32.75
Wadhwan	3.73	4.00	89.41	85.09
Total	88.13	97.30	112.21	104.08
<u>KUCHCHH</u>				
Bhuj	8.60	8.00	113.13	91.06
Anjar	4.20	3.20	117.35	80.57
Total	12.80	11.20	114.48	87.79
All/Average	773.12	856.09	166.55	156.97

\* Worked out with the total population,  
Source : NIUA Survey, 1987 and 1991

Annex A.7

Status of Sewerage and Sanitation in Urban Gujarat  
(as on 1st April, 1988)

Region/ Sample cities	No. of towns as per 1981 census	No. of towns at present (1.9.88)	No. of towns fully covered with sewerage & treatment facilities	No. of towns fully covered with sew. & having inadequate treatment facilities	No. of towns Partly covered with sew. & sewage treatment facilities	No. of towns fully covered with outside sanitation facilities i.e. work in progress	No. of towns not covered with any sanitation facilities
<u>SOUTH</u>							
Valsad	22	22	1	1	-	3	17
Surat	21	12	3	5	-	2	2
Bharuch	8	8	1	-	2	5	-
Vadodara	19	19	4	-	1	-	14
Panchmahals	9	9	-	-	-	-	9
Dangs	-	-	-	-	-	-	-
<u>CENTRAL</u>							
Kheda	18	18	10	-	-	-	8
Ahmedabad	30	30	4	-	-	22	4
Gandhinagar	1	1	1	-	-	-	-
<u>NORTH</u>							
Mahesana	14	16	-	-	-	-	16
Sabarkantha	8	10	-	-	-	-	10
Banaskantha	5	5	-	-	-	-	5
<u>SAURASHTRA</u>							
Jamnagar	17	17	-	-	-	1	16
Junagadh	22	25	1	-	-	-	24
Amrela	12	12	-	-	-	-	12
Bhavnagar	16	17	-	1	4	-	12
Surendranagar	11	12	-	-	-	-	12
Rajkot	12	14	-	-	2	-	12
<u>KUCHCHH</u>							
Kachchh	10	10	-	-	3	-	7
All state	255	257	25	7	12	33	180

Source : Gujarat 2005 Papers on Perspective Plan, Planning Division, Govt. of Gujarat, 1989

Annex A.8

Population coverage by Sewerage System in the  
Sample Urban Centres, 1988-89

Region/ Sample cities	Civic status	Total population	Population served	% to total
<u>SOUTH</u>				
Vadodara	AA	1055673	72000	68.29
Navsari	A	144817	90000	62.15
Godhara	B	105289	Nil	-
Bilimora	C	65738	Nil	-
<u>CENTRAL</u>				
Ahmedabad	AA	2539300	2100000	82.70
Nadiad	A	177893	100000	56.21
Anand	B	111049	75000	67.53
Borsod	C	46496	Nil	-
<u>NORTH</u>				
Mahesana	B	96051	Nil	-
Unjha	C	49039	Nil	-
<u>SAURASHTRA</u>				
Rajkot	AA	609223	Nil	-
Junagarh	A	141159	Nil	-
Veraval-Patan	A	137396	Nil	-
Wadhwan	C	47005	Nil	-
<u>KUCHCHH</u>				
Bhuj	B	87853	Nil	-
Anjar	C	39718	Nil	-
All/Average		5453699	3085000	76.57*

\* Worked out with the population of Sewered cities  
(40,28,732)

Source : NIUA Survey, 1991

Annex A.9

Population coverage by Sewerage System in the Sample Urban Centres, 1983-84 and 1988-89

Region/ Sample cities	Civic status	Total population (Est.)		Population served by sewerage			
		1984	1989	1983-84		1988-89	
				Actual	% to total	Actual	% to total
<u>SOUTH</u>							
Vadodara	AA	841508	1055673	574666	68.29	720000	68.29
Navsari	A	119714	144817	89833	75.04	90000	62.15
Godhara	B	92634	105289	Nil	Nil	Nil	Nil
Bilimora	C	50971	65738	Nil	Nil	Nil	Nil
<u>CENTRAL</u>							
Ahmedabad	AA	2227915	2539300	2089784	93.80	2100000	82.70
Nadiad	A	154976	177893	81455	52.56	100000	56.21
Anand	B	93226	111049	32778	35.16	75000	67.53
Borsod	C	41447	46496	Nil	Nil	Nil	Nil
<u>NORTH</u>							
Mahesana	B	80824	96051	Nil	Nil	Nil	Nil
Unjha	C	41624	49039	Nil	Nil	Nil	Nil
<u>SAURASHTRA</u>							
Rajkot	AA	500683	609223	Nil	Nil	Nil	Nil
Junagarh	A	126633	141159	Nil	Nil	Nil	Nil
Veraval- patan	A	116353	137396	Nil	Nil	Nil	Nil
Wadhwan	C	41716	47005	Nil	Nil	Nil	Nil
<u>KUCHCHH</u>							
Bhuj	B	76016	87853	Nil	Nil	Nil	Nil
Anjar	C	35791	39718	Nil	Nil	Nil	Nil
All/Average		4642031	5453699	2868516	80.09	3085000	76.57

Source : NIUA Survey, 1987 and 1991



Annex A.10

Population Coverage by Surface Drainage System in  
the Sample Cities, 1989

Region/ Sample cities	Civic status	Population estimates, 1989	Population served	% to total	Rank	Below(-)/ above(+) average
<u>SOUTH</u>						
Vadodara	AA	1055673	800000	75.78	6	+
Navsari	A	144817	110000	75.95	5	+
Godhara	B	105289	50000	47.49	15	-
Bilimora	C	65738	40000	60.85	13	-
<u>CENTRAL</u>						
Ahmedabad	AA	2539300	2000000	78.76	3	+
Nadiad	A	177893	130000	73.07	7	-
Anand	B	111049	100000	90.05	1	+
Borsod	C	46496	22000	47.31	16	-
<u>NORTH</u>						
Mahesana	B	96051	80000	83.29	2	+
Unjha	C	49039	30000	61.17	12	-
<u>SAURASHTRA</u>						
Rajkot	AA	609223	394265	64.72	10	-
Junagarh	A	141159	108126	76.59	4	+
Veraval-Patan	A	137396	89305	65.00	9	-
Wadhwan	C	47005	32300	68.72	8	-
<u>KUCHCHH</u>						
Bhuj	B	87853	51668	58.81	14	-
Anjar	C	39718	25232	63.53	11	-
All/Average		5453699	4062896	74.50	-	-

Source : NIUA Survey, 1991

Annex A.11

Population coverage by Surface Drainage System in the Sample Cities,  
1984 and 1989

Region/ Sample cities	Civic status	Total Population (Est.)		Population Served by Drainage			
		1984	1989	1983-84		1988-89	
				Actual	% to total	Actual	% to total
<u>SOUTH</u>							
Vadodara	AA	841508	1055673	287291	34.14	800000	75.18
Navsari	A	119714	144817	74857	62.53	110000	75.95
Godhara	B	92634	105289	N.A.	N.A.	50000	47.49
Bilimora	C	50971	65738	26704	52.39	40000	60.85
Total		1104827	1371517	388852	36.90	1000000	72.91
<u>CENTRAL</u>							
Ahmedabad	AA	2227915	2539300	N.A.	N.A.	2000000	78.76
Nadiad	A	154976	177893	N.A.	N.A.	130000	73.07
Anand	B	93226	111049	N.A.	N.A.	100000	90.05
Borsod	C	41447	46496	19849	47.89	22000	47.31
Total		2517564	2874738	19849	47.89	2252000	78.34
<u>NORTH</u>							
Mahesana	B	80824	96051	72742	90.00	80000	83.29
Unjha	C	41624	49039	23118	55.54	30000	61.17
Total		122448	145090	95860	78.29	110000	75.82
<u>SAURASHTRA</u>							
Rajkot	AA	500683	609223	317933	63.50	394265	64.72
Junagarh	A	126633	141159	94468	74.60	108126	76.59
Veraval-Patan	A	116353	137396	68648	59.00	89305	65.00
Wadhwan	C	41716	47005	20829	49.93	32300	68.72
Total		785385	934783	501878	63.90	623996	66.75
<u>KUCHCHH</u>							
Bhuj	B	76016	87853	49410	65.00	51668	58.81
Anjar	C	35791	39718	19878	55.54	25232	63.53
Total		111807	127571	69288	61.97	76900	60.28
All/Average		4642031	5453699	1075727	51.88	4062896	74.50

Source : NIUA Survey, 1987 and 1991

Annex A.12

Refuse Collection and Disposal Level in the Sample Urban Centres, 1988-89

Region/ Sample cities	Civic status	Functional category*	Average per capita refuse (grams/day)		% Disposal (as proportion to generation)	Rank	Below(-)/ above(+) average
			Generation	Disposal & collection			
<u>SOUTH</u>							
Vadodara	AA	I/S	300	200	66.67	6.5	+
Navsari	A	I	400	250	62.50	11.5	-
Godhara	B	S/C/I	250	150	60.00	13.5	-
Bilimora	C	I	250	175	70.00	5.0	+
<u>CENTRAL</u>							
Ahmedabad	AA	I	350	220	62.86	10.0	-
Nadiad	A	I/C/S	300	220	73.33	4.0	+
Anand	B	S/C/I	250	200	80.00	1.0	+
Borsod	C	P	200	150	75.00	3.0	+
<u>NORTH</u>							
Mahesana	B	S/C/I	250	150	60.00	13.5	-
Unjha	C	C/P/I	200	125	62.50	11.5	-
<u>SAURASHTRA</u>							
Rajkot	AA	I/S	213	125	58.68	16.0	-
Junagarh	A	S	275	180	65.45	8.0	-
Veraval-Patan	A	I/C/S	250	160	64.00	9.0	-
Wadhwan	C	I/S/P	200	120	60.00	13.5	-
<u>KUCHCHH</u>							
Bhuj	B	S	260	200	76.92	2.0	+
Anjar	C	I/C/S	225	150	66.67	6.5	+
All/Average			260.81	173.44	66.50	-	-

\* According to the NIUA study on Maintaining Gujarat's Municipal Service 1987.  
I - Industry; C - Commerce; S - Service; P - Primary.

Source : NIUA survey, 1991.

Annex A.13

Road Density in the Sample Urban Centres, 1988-89

Region/ Sample cities	Civic status	Road length (Kms.)			Area in sq.kms. (as per 1981 census)	Road density in sq.kms.	Rank	Below (-)/ above (+) average
		Surfaced	Unsurfaced	Total				
<u>SOUTH</u>								
Vadodara	AA	1170.19	238.68	1408.87	108.26	13.01	3	-
Navsari	A	153.00	40.00	193.00	8.52	22.65	1	+
Godhara	B	64.00	11.00	75.00	20.16	3.72	11	-
Bilimora	C	34.00	14.00	48.00	16.00	3.00	13	-
Total		1421.19	303.68	1724.87	152.94	11.28	-	
<u>CENTRAL</u>								
Ahmedabad	AA	1225.00	205.00	1430.00	98.15	14.57	2	+
Nadiad	A	66.45	234.47	300.92	28.48	10.57	6	+
Anand	B	80.57	80.43	161.00	21.13	7.65	7	-
Borsod	C	20.00	62.06	82.06	24.89	3.30	12	-
Total		1392.02	581.96	1973.98	172.65	11.43	-	
<u>NORTH</u>								
Mahesana	B	37.27	14.73	52.00	12.87	4.04	10	-
Unjha	C	33.00	38.00	71.00	35.15	2.02	15	-
Total		70.27	52.73	123.00	48.02	2.56	-	
<u>SAURASHTRA</u>								
Rajkot	AA	758.40	33.60	792.00	69.00	11.48	5	+
Junagarh	A	74.00	5.00	79.00	13.47	5.86	8	-
Veraval-Patan	A	32.00	3.75	35.75	38.40	0.93	16	-
Wadhwan	C	38.00	46.00	84.00	18.41	4.56	9	-
Total		902.40	88.35	990.75	139.28	7.11	-	
<u>KUCHCHH</u>								
Bhuj	B	58.00	52.00	110.00	9.48	11.60	4	+
Anjar	C	31.12	14.00	45.12	17.81	2.53	14	-
Total		89.12	66.00	155.12	27.28	5.68	-	
All/Average		3875.00	1092.72	4967.72	540.18	9.20	16	-

Source : NIUA Survey, 1987 and 1991.

Annex A.14

Road Density and Extent of Surfaced Roads in the  
Sample Urban Centres, 1983-84 & 1988-89

Region/ Sample cities	Civic status	Municipal area (Sq.kms.)	Total road length (Kms.)		Surfaced roads (Kms.)	
		As per 1981 census	1983-84	1988-89	1983-84	1988-89
<u>South</u>						
Vadodara	AA	108.26	621.87	1408.87	497.57	1170.19
Navsari	A	8.52	150.00	193.00	66.00	153.00
Godhara	B	20.16	28.48	75.00	16.37	64.00
Bilimora	C	16.00	36.90	48.00	33.37	34.00
<u>Central</u>						
Ahmedabad	AA	98.15	1001.19	1430.00	878.50	1225.00
Nadiad	A	28.48	91.44	300.92	53.54	66.45
Anand	B	21.13	150.57	161.00	33.07	80.57
Borsod	C	24.89	72.06	82.06	12.06	20.00
<u>North</u>						
Mahesana	B	12.87	37.37	52.00	24.00	37.27
Unjha	C	35.15	38.00	71.00	11.00	33.00
<u>Saurashtra</u>						
Rajkot	AA	69.00	567.00	792.00	357.00	758.40
Junagarh	A	13.47	65.29	79.00	64.00	74.00
Veraval-Patan	A	38.40	33.13	35.75	21.90	32.00
Wadhwan	C	18.41	67.89	84.00	8.00	38.00
<u>Kachchh</u>						
Bhuj	B	9.48	49.35	110.00	38.86	58.00
Anjar	C	17.81	41.68	45.12	20.84	31.12
All/Average		540.18	3052.22	4967.72	2136.08	3875.00

Source : NIUA survey, 1987 and 1991.

Annex A.15

Percentage of Surfaced Roads and Road Density in the Sample Urban Centres, 1983-84 and 1988-89

Region/ Sample cities	% surfaced roads		Road density (sq.km.)	
	1983-84	1988-89	1983-84	1988-89
<u>SOUTH</u>				
Vadodara	80.01	83.06	5.74	13.01
Navsari	44.00	79.27	17.61	22.65
Godhara	57.48	85.33	1.41	3.72
Bilimora	90.43	70.83	2.31	3.00
Total	69.27	82.39	5.47	11.28
<u>CENTRAL</u>				
Ahmedabad	87.75	85.66	10.21	14.57
Nadiad	58.55	22.08	3.21	10.57
Anand	22.00	50.04	7.13	7.62
Borsod	16.74	24.37	2.90	3.30
Total	74.29	70.52	7.65	11.43
<u>NORTH</u>				
Mahesana	64.22	71.67	2.90	4.04
Unjha	29.0	46.48	1.08	2.02
Total	46.44	57.13	1.56	2.56
<u>SAURASHTRA</u>				
Rajkot	63.00	95.76	8.22	11.48
Junagarh	98.02	93.67	4.85	5.86
Veraval-Patan	66.10	89.51	0.36	0.93
Wadhwan	11.78	45.24	3.60	4.56
Total	61.49	91.08	5.26	7.11
<u>KUCHCHH</u>				
Bhuj	78.74	52.73	5.21	11.60
Anjar	50.00	68.77	2.34	2.53
Total	65.58	57.45	3.33	5.68
All/Average	69.98	78.00	5.65	9.20

Source : NIUA Survey, 1987 and 1991.

Annex A.16

Medical Facilities Provided by the Municipal Bodies  
in the Sampled Urban Centres, 1988-89

Region/ Sample cities	Civic status	Number of various types of medical institutions							Total no. of insti- tution per 20,000 persons	Rank	
		Hospitals	Dispen- saries	Maternity & child health clinic	Family planning centres	X-ray clinic	Path- ologi- cal	Others			
<u>South</u>											
Vadodara	AA	1	12	-	1	-	-	-	14	0.27	9
Navsari	A	-	2	-	-	-	-	-	2	0.28	8
Godhara	B	-	1	-	-	-	-	-	1	0.19	11
Bilimora	C	1	-	1	1	-	-	-	3	0.91	2
<u>Central</u>											
Ahmedabad	AA	8	31	17	3	-	-	3	62	0.49	5
Nadiad	A	1	-	-	1	-	-	-	2	0.22	10
Anand	B	1	-	1	1	-	-	-	3	0.54	4
Borsod	C	1	-	-	-	-	-	-	1	0.43	6
<u>North</u>											
Mahesana	B	1	2	-	1	-	-	-	4	0.83	3
Unjha	C	-	-	-	-	-	-	-	-	-	-
<u>Saurashtra</u>											
Rajkot	AA	-	5	-	-	-	-	-	5	0.16	12
Junagarh	A	-	-	1	-	-	-	-	1	0.14	13
Veraval-Patan	A	1	-	-	1	-	-	-	2	0.29	7
Wadhwan	C	-	-	-	-	-	-	-	-	-	-
<u>Kachchh</u>											
Bhuj	B	-	-	-	-	-	-	-	-	-	-
Anjar	C	-	1	-	1	-	-	-	2	1.01	1
All/Average		15	54	20	10	-	-	3	102	0.37	-

- Facility not available at Municipal Level.

Source : NIUA Survey, 1991 and Statistics of Municipal Towns and Cities Gujarat, 1989.

Annex A.17

Number of Doctors and Beds per 1000 persons in the Sample Urban Centres, 1988-89

Region/ Sample cities	Number of		Number of beds per 1000 persons (Norms : 3 beds/1000 persons)			Number of doctors/Municipal Medical Institutions		
	Doctors	Beds	Number	Rank	(-)/(+) below/above average	Number	Rank	(-)/(+) below/above average
<u>SOUTH</u>								
Vadodara	16	28	0.03	8	-	1.14	8.0	-
Navsari	2	-	-	-	-	1.00	9.5	-
Godhara	1	-	-	-	-	1.00	9.5	-
Bilimora	4	40	0.61	4	-	1.33	7.0	-
<u>CENTRAL</u>								
Ahmedabad	1365	5865	2.60	1	+	22.20	1.0	+
Nadiad	3	49	0.28	7	-	1.50	6.0	-
Anand	6	135	1.22	3	+	2.00	4.5	-
Borsod	2	65	1.40	2	+	2.00	4.5	-
<u>NORTH</u>								
Mahesana	15	43	0.45	6	-	3.75	2.0	-
Unjha	-	-	-	-	-	-	-	-
<u>SAURASHTRA</u>								
Rajkot	5	-	-	-	-	1.00	9.5	-
Junagarh	1	-	-	-	-	1.00	9.5	-
Veraval-Patan	7	82	0.60	5	-	3.50	3.0	-
Wadhwan	-	-	-	-	-	-	-	-
<u>KUCHCHH</u>								
Bhuj	-	-	-	-	-	-	-	-
Anjar	2	-	-	-	-	1.00	9.5	-
All/Average	1429	6307	1.16			14.01		

Source : NIUA Survey, 1991 and Statistics of Municipal Towns & Cities, Gujarat, 1989.



Annex A.18

Number of Doctors and Beds in various Types  
of Medical Institutions in Gujarat, 1985-86

Type of medical institu- tions	Total no. of doctors	Total no. of beds	No. of doctors		No. of beds per 1000 of persons*
			Per 1000 persons*	Per medical institu- tions	
Government	1224	12180	0.13	6.65	1.31
Municipal	914	4207	0.10	4.91	0.45
Aided	174	2365	0.02	4.70	0.25
Private	300	2732	0.03	5.66	0.29
All	2612	21484	0.28	5.68	2.31

\* Worked out with the population estimates of 1986.

Source : Statistics of Municipal Towns and Cities, Government of Gujarat, 1989.

Annex A.19

Status of Primary Education (Municipal) in the Sample Urban Centres, 1988-89

Region/ Sample cities	Civic status	No. of schools		No. of teachers		Enrolment	
		Actual	Per 4000 popula- tion	Actual	No. of students/ teacher	Actual	No. of students/ primary school
<u>SOUTH</u>							
Vadodara	AA	203	0.77	1986	37.9	75245	371
Navsari	A	35	0.97	299	48.6	14541	415
Godhara	B	27	1.02	280	38.7	10823	401
Bilimora	C	--	-	-	-	-	-
Total		265	0.77	2565	39.22	100609	380
<u>CENTRAL</u>							
Ahmedabad	AA	696	1.10	6511	39.8	259022	372
Nadiad	A	53	1.19	385	36.3	13957	263
Anand	B	17	0.61	147	41.6	6112	360
Borsod	C	-	-	-	-	-	-
Total		766	1.07	7043	39.63	279091	364
<u>NORTH</u>							
Mahesana	B	-	-	-	-	-	-
Unjha	C	13	1.06	101	39.6	4000	308
Total		13	0.36	101	39.6	4000	308
<u>SAURASHTRA</u>							
Rajkot	AA	110	0.72	944	44.5	41975	332
Junagarh	A	-	-	-	-	-	-
Veraval- Patan	A	1	0.03	2	57.5	115	115
Wadhwan	C	-	-	-	-	-	-
Total		111	0.47	946	44.5	42090	379
<u>KUCHCHH</u>							
Bhuj	B	-	-	-	-	-	-
Anjar	C	17	1.71	121	39.1	4731	278
Total		17	0.53	121	39.1	4731	278
All/Average		1172	0.86	10776	39.95	430521	367

Source : NIUA Survey, 1991.

Annex A.20

Gap in Primary Education Facilities (Municipal)  
in the Sample Urban Centres, 1988-89

Region/ Sample cities	No. of schools per 4000 population (1:4000)		Teacher-students ratio (1:40)	
	Actual gap (-)/(+)	% gap to norm level	Actual gap	% gap to norm level
<u>SOUTH</u>				
Vadodara	- 0.23	- 23.0	- 2.1	- 5.3
Navsari	- 0.03	- 3.0	+ 8.6	+ 21.5
Godhara	+ 0.02	+ 2.0	- 1.3	- 3.3
Bilimora	-	-	-	-
Total	- 0.23	- 23.0	- 0.3	- 2.0
<u>CENTRAL</u>				
Ahmedabad	+ 0.10	+ 10.0	- 0.2	- 0.5
Nadiad	+ 0.19	+ 19.0	- 3.7	- 9.3
Anand	- 0.39	- 39.0	+ 1.6	+ 4.0
Borsod	-	-	-	-
Total	+ 0.7	+ 7.0	- 0.4	Neg.
<u>NORTH</u>				
Mahesana	-	-	-	-
Unjha	+ 0.06	+ 6.0	- 0.4	- 1.0
Total	- 0.64	- 64.0	- 0.4	- 1.0
<u>SAURASHTRA</u>				
Rajkot	- 0.28	- 28.0	+ 4.5	+ 11.30
Junagarh	-	-	-	-
Veraval-	- 0.97	- 97.0	- 17.5	+ 43.28
Patan	-	-	-	-
Wadhwan	-	-	-	-
Total	- 0.53	- 53.0	+ 4.5	+ 11.3
<u>KUCHCHH</u>				
Bhuj	-	-	-	-
Anjar	+ 0.71	+ 71.0	- 0.9	- 2.3
	- 0.47	- 47.0	- 8.9	- 2.3
All/Average	- 0.14	- 14.0	- 0.1	- 0.3

Source : NIUA Survey, 1991

Annex A.21

Enrolment of Children in Primary Schools in the Sample Urban Centres, 1983-84 and 1988-89

Region/ Sample cities	Status (as per 1981 Census)	Estimated population		Estimated no. of children in 6-14 years age group		Enrolment		Percent enrolment to school going population	
		1984	1989			1984	1989	1984	1989
				1984	1989				
<b>SOUTH</b>									
Vadodara	AA	840508	1055673	185132	232248	72648	75245	38.2	32.4
Navsari	A	119714	144817	26337	31860	13410	14540	50.9	45.6
Godhara	B	92634	105289	20379	23164	10941	10823	53.4	40.7
Bilimora	C	50971	65738	11214	14462	-	-	-	-
Total		1104827	1371517	243062	301734	96999	100609	40.0	33.3
<b>CENTRAL</b>									
Ahmedabad	AA	2227915	2539300	490141	558646	229311	259022	46.8	46.4
Nadiad	A	154976	177893	34095	39136	13524	13957	39.7	35.7
Anand	B	93226	111049	20510	24431	6332	6112	30.9	25.0
Borsod	C	41447	46496	9118	10229	-	-	-	-
Total		2517564	2874738	553864	632442	249167	279091	45.0	44.1
<b>NORTH</b>									
Mahesana	B	80824	96051	17781	21131	-	-	-	-
Unjha	C	41624	49039	9157	10789	3639	4000	39.7	37.1
Total		122448	145090	26938	31920	3639	4000	13.5	12.5
<b>SAURASHTRA</b>									
Rajkot	AA	500683	609223	110150	134029	40655	41975	36.9	31.3
Junagarh	A	126633	141159	27859	31055	-	-	-	-
Veraval- Patan	A	116353	137396	25598	30227	-	115	-	0.4
Wadhwan	C	41716	47005	9178	10341	-	-	-	-
Total		785385	934783	172785	205652	40655	42090	23.5	20.5
<b>KUCHCHH</b>									
Bhuj	B	76016	87853	16724	19328	-	-	-	-
Anjar	C	35791	39718	7874	8738	4824	4731	61.3	54.1
Total		111807	127571	24598	28066	4824	4731	19.6	16.9
All/Average		4642031	5453699	1021247	1199814	395284	430521	38.7	35.9

Source : NIUA Survey, 1987 and 1991

Annex A.22

Status of Primary Education (Municipal) in the Sample  
Urban Centres, 1983-84 & 1988-89

Region/ Sample cities	No. of school per 4000 population		Teacher-students ratio		School-students ratio	
	1983-84	1988-89	1983-84	1988-89	1983-84	1988-89
<u>SOUTH</u>						
Vadodara	0.75	0.77	1:39	1:38	1:457	1:371
Navsari	1.20	0.97	1:45	1:49	1:373	1:415
Godhara	1.16	1.03	1:41	1:39	1:405	1:401
Bilimora	-	-	-	-	-	-
Total	0.80	0.77	1:40	1:39	1:437	1:380
<u>CENTRAL</u>						
Ahmedabad	1.23	1.10	1:38	1:40	1:334	1:372
Nadiad	1.03	1.19	1:40	1:36	1:338	1:263
Anand	0.68	0.61	1:44	1:42	1:396	1:360
Borsod	-	-	-	-	-	-
Total	1.18	1.07	1:39	1:40	1:335	1:364
<u>NORTH</u>						
Mahesana	-	-	-	-	-	-
Unjha	0.86	1.06	1:38	1:40	1:404	1:308
Total	0.29	0.36	1:38	1:40	1:404	1:308
<u>SAURASHTRA</u>						
Rajkot	0.84	0.72	1:41	1:45	1:384	1:382
Junagarh	-	-	-	-	-	-
Veraval-	-	0.03	-	1:58	-	1:115
Patan	-	-	-	-	-	-
Wadhwan	-	-	-	-	-	-
Total	0.53	0.47	1:41	1:45	1:384	1:379
<u>KUCHCHH</u>						
Bhuj	-	-	-	-	-	-
Anjar	1.89	1.71	1:48	1:39	1:284	1:278
Total	0.60	0.53	1:48	1:39	1:284	1:278
All/Average	0.94	0.86	1:39	1:40	1:366	1:367

Source : NIUA Survey, 1987 and 1991.

# **MUNICIPAL RESOURCES**

# **MUNICIPAL SPENDINGS**

## ANNEX B:1

POPULATION ESTIMATES OF URBAN CENTRES (WITH A MUNICIPAL STATUS)  
ACCORDING TO SIZE CLASS OF CITIES

MUNICIPAL BODY/ SIZE CLASS	CENSUS POPULATION		ACGR	ESTIMATED POPULATION				
	1971	1981		1984	1985	1986	1987	1988
1	2	3	4	5	6	7	8	9
<b>CLASS AA</b>								
AHMEDABAD	1,585,544	2,059,725	2.65	2,227,914	2,286,976	2,347,603	2,409,837	2,473,722
BHAVNAGAR	225,358	307,121	3.14	337,008	347,603	358,531	369,803	381,430
JAMNAGAR	199,709	277,915	3.36	306,878	317,188	327,845	338,860	350,245
RAJKOT	300,612	445,076	4.00	500,682	520,721	541,561	563,236	585,778
SURAT	471,656	776,583	5.11	901,896	948,009	996,481	1,047,430	1,100,985
VADODARA	466,696	734,473	4.64	841,508	880,546	921,396	964,141	1,008,869
<b>TOTAL</b>	<b>3,249,575</b>	<b>4,600,893</b>	<b>3.54</b>	<b>5,115,886</b>	<b>5,301,043</b>	<b>5,493,417</b>	<b>5,693,307</b>	<b>5,901,029</b>
<b>CLASS A</b>								
BHARUCH	91,589	110,070	1.86	116,309	118,467	120,665	122,903	125,183
JUNAGADH	95,485	118,646	2.20	126,633	129,413	132,254	135,158	138,126
NADIAD	108,279	142,669	2.80	154,976	159,310	163,765	168,345	173,053
NAVSARI	72,979	106,793	3.88	119,714	124,360	129,185	134,199	139,406
PORBANDAR	96,881	115,182	1.75	121,318	123,436	125,590	127,782	130,013
VERAVALPATAN	75,520	105,307	3.38	116,352	120,286	124,352	128,556	132,902
<b>TOTAL</b>	<b>540,733</b>	<b>698,667</b>	<b>2.60</b>	<b>755,302</b>	<b>775,272</b>	<b>795,811</b>	<b>816,943</b>	<b>838,683</b>
<b>CLASS B</b>								
AMRELI	39,520	56,598	3.66	63,037	65,342	67,731	70,208	72,776
ANAND	59,155	83,936	3.56	93,225	96,545	99,983	103,543	107,230
BHUJ	52,177	69,693	2.94	76,015	78,247	80,546	82,911	85,346
BOTAD	32,179	50,274	4.56	57,474	60,096	62,838	65,706	68,704
DAHOD	44,506	55,256	2.19	58,961	60,250	61,568	62,915	64,291
DHORAJI	59,773	76,556	2.51	82,455	84,521	86,639	88,810	91,035
DHRANGADHRA	40,792	51,280	2.31	54,923	56,194	57,495	58,826	60,187
GANDHIDHAM	38,824	61,415	4.69	70,473	73,780	77,243	80,868	84,663
GODHRA	66,403	85,784	2.59	92,634	95,037	97,502	100,031	102,626
GONDAL	54,928	66,096	1.87	69,869	71,175	72,504	73,859	75,238

CONTD...



1	2	3	4	5	6	7	8	9
JETPUR	41,926	62,806	4.12	70,901	73,825	76,870	80,040	83,341
KALOL	50,321	69,946	3.35	77,208	79,793	82,465	85,225	88,079
KHAMBHAT	62,097	68,791	1.03	70,936	71,666	72,403	73,148	73,901
MAHUVA	39,497	53,625	3.11	58,777	60,602	62,484	64,424	66,424
MAHESANA	51,598	72,872	3.51	80,823	83,662	86,601	89,643	92,791
MORVI	60,976	73,327	1.86	77,498	78,941	80,411	81,908	83,432
PALANPUR	42,114	61,262	3.82	68,552	71,170	73,887	76,709	79,639
PATAN	64,519	79,196	2.07	84,218	85,962	87,742	89,559	91,414
SIDHPUR	40,521	51,953	2.52	55,974	57,382	58,826	60,307	61,824
SURENDRANAGAR	66,667	89,619	3.00	97,937	100,877	103,906	107,027	110,240
UPLETA	35,326	54,907	4.51	62,674	65,499	68,453	71,539	74,765
VALSAD	43,254	54,017	2.25	57,740	59,038	60,364	61,721	63,107
TOTAL	1,087,073	1,449,209	2.92	1,582,304	1,629,604	1,678,461	1,728,927	1,781,053
CLASS C								
ANJAR	27,302	33,623	2.10	35,790	36,543	37,312	38,097	38,899
ANKLESVAR	24,814	36,123	3.83	40,430	41,977	43,584	45,251	46,983
BAGASARA	18,999	23,015	1.94	24,377	24,849	25,330	25,821	26,321
BARDOLI	19,262	28,131	3.86	31,515	32,732	33,995	35,308	36,671
BILIMORA	26,305	43,755	5.22	50,971	53,631	56,431	59,377	62,477
BORSAD	30,738	38,684	2.33	41,446	42,410	43,396	44,406	45,439
DABHOI	37,892	44,357	1.59	46,503	47,241	47,992	48,754	49,528
DAHEBAM	17,768	24,868	3.42	27,506	28,447	29,419	30,425	31,466
DEESA	28,324	41,730	3.95	46,874	48,726	50,651	52,653	54,733
DHOLKA	35,520	44,270	2.23	47,293	48,346	49,422	50,523	51,648
HIMMATNAGAR	23,764	39,959	5.33	46,700	49,191	51,815	54,579	57,491
JAMBUSAR	24,251	28,369	1.58	29,735	30,205	30,683	31,168	31,660
KADI	27,901	34,595	2.17	36,900	37,702	38,522	39,359	40,215
KAPADWANJ	30,748	35,178	1.36	36,627	37,123	37,626	38,136	38,653
KESOD	19,613	32,036	5.03	37,116	38,983	40,943	43,002	45,165
KHAMBHALIYA	19,973	26,368	2.82	28,659	29,466	30,296	31,149	32,027
LIMBADI	25,462	30,929	1.96	32,787	33,431	34,088	34,757	35,440
MANDVI	27,849	32,114	1.44	33,516	33,997	34,485	34,980	35,482
MANGROL	27,183	36,992	3.13	40,574	41,843	43,153	44,503	45,896
MODASA	22,483	31,989	3.59	35,558	36,834	38,156	39,526	40,945
PADRA	24,229	27,064	1.11	27,977	28,288	28,603	28,921	29,243
PALITANA	27,355	34,449	2.33	36,916	37,777	38,658	39,560	40,483
PETLAD	39,535	47,020	1.75	49,530	50,396	51,278	52,175	53,087
RAJPIPLA	25,769	29,226	1.27	30,350	30,735	31,124	31,519	31,918
SAVARKUNDLA	37,957	49,740	2.74	53,942	55,420	56,939	58,499	60,102

CONTD...

1	2	3	4	5	6	7	8	9
UMRETH	24,225	28,299	1.57	29,649	30,114	30,586	31,065	31,551
UNA	21,558	29,171	3.07	31,941	32,922	33,933	34,974	36,048
UNJHA	27,179	37,725	3.33	41,624	43,011	44,445	45,926	47,457
VIRAMGAM	43,790	48,275	0.98	49,708	50,195	50,686	51,183	51,685
VISNAGAR	34,863	46,631	2.95	50,882	52,384	53,929	55,521	57,159
VYARA	18,910	23,998	2.41	25,776	26,397	27,034	27,686	28,353
WADHWAN	30,584	38,832	2.42	41,715	42,723	43,755	44,813	45,896
WANKANER	28,001	32,200	1.41	33,578	34,050	34,530	35,015	35,508
TOTAL	900,106	1,159,715	2.57	1,254,465	1,288,089	1,322,799	1,358,631	1,395,629
GUJARAT	5,777,487	7,908,484	3.19	8,707,957	8,994,008	9,290,488	9,597,808	9,916,394

MUNICIPAL BODY/ SIZE CLASS	CENSUS POPULATION		ACGR	ESTIMATED POPULATION				
	1971	1981		1989	1990	1991	2001	2011
1	2	3	4	10	11	12	13	14
<b>CLASS AA</b>								
AHMEDABAD	1,585,544	2,059,725	2.65	2,539,299	2,606,616	2,675,717	3,475,930	4,515,460
BHAVNAGAR	225,358	307,121	3.14	393,422	405,790	418,548	570,404	777,354
JAMNAGAR	199,709	277,915	3.36	362,012	374,175	386,746	538,196	748,953
RAJKOT	300,612	445,076	4.00	609,223	633,605	658,964	975,640	1,444,500
SURAT	471,656	776,583	5.11	1,157,278	1,216,449	1,278,646	2,105,294	3,466,374
VADODARA	466,696	734,473	4.64	1,055,672	1,104,646	1,155,892	1,819,111	2,862,866
<b>TOTAL</b>	<b>3,249,575</b>	<b>4,600,893</b>	<b>3.54</b>	<b>6,116,906</b>	<b>6,341,281</b>	<b>6,574,513</b>	<b>9,484,575</b>	<b>13,815,507</b>
<b>CLASS A</b>								
BHARUCH	91,589	110,070	1.86	127,505	129,870	132,280	158,971	191,049
JUNAGADH	95,485	118,646	2.20	141,158	144,257	147,424	183,184	227,618
NADIAD	108,279	142,669	2.80	177,892	182,867	187,981	247,685	326,351
NAVSARI	72,979	106,793	3.88	144,816	150,436	156,274	228,682	334,639
PORBANDAR	96,881	115,182	1.75	132,282	134,590	136,940	162,808	193,563
VERAVALPATAN	75,520	105,307	3.38	137,395	142,040	146,842	204,761	285,524
<b>TOTAL</b>	<b>540,733</b>	<b>698,667</b>	<b>2.60</b>	<b>861,048</b>	<b>884,060</b>	<b>907,741</b>	<b>1,186,091</b>	<b>1,558,744</b>
<b>CLASS B</b>								
AMRELI	39,520	56,598	3.66	75,437	78,196	81,056	116,083	166,246
ANAND	59,155	83,936	3.56	111,048	115,003	119,098	168,990	239,783
BHUJ	52,177	69,693	2.94	87,853	90,433	93,089	124,339	166,080
BOTAD	32,179	50,274	4.56	71,838	75,116	78,544	122,711	191,715
DAHOD	44,506	55,256	2.19	65,697	67,134	68,602	85,172	105,745
DHORAJI	59,773	76,556	2.51	93,316	95,654	98,051	125,582	160,842
DHRANGADHRA	40,792	51,280	2.31	61,580	63,006	64,464	81,038	101,874
GANDHIDHAM	38,824	61,415	4.69	88,636	92,796	97,151	153,681	243,106
GODHRA	66,403	85,784	2.59	105,288	108,019	110,821	143,167	184,953
GONDAL	54,928	66,096	1.87	76,644	78,076	79,534	95,705	115,164
JETPUR	41,926	62,806	4.12	86,779	90,358	94,084	140,940	211,132
KALOL	50,321	69,946	3.35	91,027	94,075	97,224	135,141	187,846
KHAMBHAT	62,097	68,791	1.03	74,662	75,430	76,206	84,421	93,522
MAHUVA	39,497	53,625	3.11	68,487	70,613	72,806	98,849	134,207
MAHESANA	51,598	72,872	3.51	96,051	99,425	102,917	145,350	205,278

CONTD...

1	2	3	4	10	11	12	13	14
MORVI	60,976	73,327	1.86	84,986	86,568	88,179	106,041	127,520
PALANPUR	42,114	61,262	3.82	82,680	85,837	89,116	129,634	188,575
PATAN	64,519	79,196	2.07	93,307	95,239	97,211	119,325	146,470
SIDHPUR	40,521	51,953	2.52	63,380	64,975	66,610	85,402	109,496
SURENDRANAGAR	66,667	89,619	3.00	113,551	116,960	120,472	161,949	217,704
UPLETA	35,326	54,907	4.51	78,136	81,659	85,341	132,646	206,170
VALSAD	43,254	54,017	2.25	64,525	65,975	67,458	84,243	105,206
TOTAL	1,087,073	1,449,209	2.92	1,834,908	1,890,547	1,948,034	2,640,409	3,608,634
CLASS C								
ANJAR	27,302	33,623	2.10	39,718	40,554	41,407	50,994	62,800
ANKLESVAR	24,814	36,123	3.83	48,781	50,647	52,586	76,552	111,440
BAGASARA	18,999	23,015	1.94	26,830	27,350	27,879	33,773	40,912
BARDOLI	19,262	28,131	3.86	38,086	39,556	41,083	60,000	87,626
BILIMORA	26,305	43,755	5.22	65,738	69,170	72,780	121,061	201,370
BORSAD	30,738	38,684	2.33	46,496	47,577	48,684	61,269	77,107
DABHOI	37,892	44,357	1.59	50,314	51,113	51,925	60,784	71,155
DAHEBAM	17,768	24,868	3.42	32,541	33,654	34,805	48,713	68,178
DEESA	28,324	41,730	3.95	56,896	59,144	61,481	90,580	133,453
DHOLKA	35,520	44,270	2.23	52,798	53,973	55,175	68,767	85,707
HIMMATNAGAR	23,764	39,959	5.33	60,557	63,788	67,190	112,980	189,976
JAMBUSAR	24,251	28,369	1.58	32,161	32,669	33,186	38,821	45,413
KADI	27,901	34,595	2.17	41,089	41,982	42,895	53,186	65,946
KAPADWANJ	30,748	35,178	1.36	39,177	39,708	40,246	46,044	52,678
KESOD	19,613	32,036	5.03	47,436	49,822	52,327	85,472	139,611
KHAMBHALIYA	19,973	26,368	2.82	32,929	33,856	34,810	45,956	60,670
LIMBADI	25,462	30,929	1.96	36,136	36,846	37,569	45,636	55,435
MANDVI	27,849	32,114	1.44	35,991	36,508	37,032	42,703	49,243
MANGROL	27,183	36,992	3.13	47,332	48,813	50,340	68,506	93,226
MODASA	22,483	31,989	3.59	42,414	43,937	45,514	64,758	92,138
PADRA	24,229	27,064	1.11	29,569	29,898	30,230	33,767	37,719
PALITANA	27,355	34,449	2.33	41,427	42,393	43,382	54,633	68,801
PETLAD	39,535	47,020	1.75	54,016	54,960	55,922	66,509	79,101
RAJPIPLA	25,769	29,226	1.27	32,322	32,732	33,146	37,593	42,636
SAVARKUNDLA	37,957	49,740	2.74	61,749	63,442	65,180	85,414	111,930

CONTD...

1	2	3	4	10	11	12	13	14
UMRETH	24,225	28,299	1.57	32,046	32,548	33,058	38,617	45,112
UNA	21,558	29,171	3.07	37,155	38,296	39,472	53,411	72,273
UNJHA	27,179	37,725	3.33	49,039	50,674	52,363	72,680	100,882
VIRANGAM	43,790	48,275	0.98	52,191	52,702	53,219	58,670	64,679
VISNAGAR	34,863	46,631	2.95	58,846	60,583	62,371	83,424	111,584
VYARA	18,910	23,998	2.41	29,037	29,737	30,454	38,649	49,048
WADHWAN	30,584	38,832	2.42	47,005	48,141	49,304	62,600	79,483
WANKANER	28,001	32,200	1.41	36,008	36,514	37,028	42,581	48,966
TOTAL	900,106	1,159,715	2.57	1,433,830	1,473,287	1,514,043	2,005,103	2,696,298
GUJARAT	5,777,487	7,908,484	3.19	10,246,692	10,589,175	10,944,331	15,316,178	21,679,183

SOURCE: NIUA SURVEY, 1991

ANNEX B:2

POPULATION ESTIMATES OF URBAN CENTRES (WITH A MUNICIPAL STATUS)  
ACCORDING TO REGIONS

MUNICIPAL BODY/ REGIONS	CENSUS POPULATION		ACGR	ESTIMATED POPULATION				
	1971	1981		1984	1985	1986	1987	1988
1	2	3	4	5	6	7	8	9
<b>SOUTH</b>								
ANKLESVAR	24,814	36,123	3.83	40,430	41,977	43,584	45,251	46,983
BARDOLI	19,262	28,131	3.86	31,515	32,732	33,995	35,308	36,671
BHARUCH	91,589	110,070	1.86	116,309	118,467	120,665	122,903	125,183
BILIMORA	26,305	43,755	5.22	50,971	53,631	56,431	59,377	62,477
DABHOI	37,892	44,357	1.59	46,503	47,241	47,992	48,754	49,528
DAHOD	44,506	55,256	2.19	58,961	60,250	61,568	62,915	64,291
GODHRA	66,403	85,784	2.59	92,634	95,037	97,502	100,031	102,626
JAMBUSAR	24,251	28,369	1.58	29,735	30,205	30,683	31,168	31,660
NAVSARI	72,979	106,793	3.88	119,714	124,360	129,185	134,199	139,406
PADRA	24,229	27,064	1.11	27,977	28,288	28,603	28,921	29,243
RAJPIPLA	25,769	29,226	1.27	30,350	30,735	31,124	31,519	31,918
SURAT	471,656	776,583	5.11	901,896	948,009	996,481	1,047,430	1,100,985
VADODARA	466,696	734,473	4.64	841,508	880,546	921,396	964,141	1,008,869
VALSAD	43,254	54,017	2.25	57,740	59,038	60,364	61,721	63,107
VYARA	18,910	23,998	2.41	25,776	26,397	27,034	27,686	28,353
<b>TOTAL</b>	<b>1,458,515</b>	<b>2,183,999</b>	<b>4.12</b>	<b>2,472,019</b>	<b>2,576,913</b>	<b>2,686,607</b>	<b>2,801,324</b>	<b>2,921,300</b>
<b>CENTRAL</b>								
AHMEDABAD	1,585,544	2,059,725	2.65	2,227,914	2,286,976	2,347,603	2,409,837	2,473,722
ANAND	59,155	83,936	3.56	93,225	96,545	99,983	103,543	107,230
BORSAD	30,738	38,684	2.33	41,446	42,410	43,396	44,406	45,439
DAHEBAM	17,768	24,868	3.42	27,506	28,447	29,419	30,425	31,466
DHOLKA	35,520	44,270	2.23	47,293	48,346	49,422	50,523	51,648
KAPADWANJ	30,748	35,178	1.36	36,627	37,123	37,626	38,136	38,653
KHAMBHAT	62,097	68,791	1.03	70,936	71,666	72,403	73,148	73,901
NADIAD	108,279	142,669	2.80	154,976	159,310	163,765	168,345	173,053
PETLAD	39,535	47,020	1.75	49,530	50,396	51,278	52,175	53,087
UMRETH	24,225	28,299	1.57	29,649	30,114	30,586	31,065	31,551
VIRAMGAM	43,790	48,275	0.98	49,708	50,195	50,686	51,183	51,685
<b>TOTAL</b>	<b>2,037,399</b>	<b>2,621,715</b>	<b>2.55</b>	<b>2,828,810</b>	<b>2,901,528</b>	<b>2,976,167</b>	<b>3,052,786</b>	<b>3,131,435</b>

CONTD...

1	2	3	4	5	6	7	8	9
<b>NORTH</b>								
DEESA	28,324	41,730	3.95	46,874	48,726	50,651	52,653	54,733
KADI	27,901	34,595	2.17	36,900	37,702	38,522	39,359	40,215
KALOL	50,321	69,946	3.35	77,208	79,793	82,465	85,225	88,079
MAHESANA	51,598	72,872	3.51	80,823	83,662	86,601	89,643	92,791
PALANPUR	42,114	61,262	3.82	68,552	71,170	73,887	76,709	79,639
PATAN	64,519	79,196	2.07	84,218	85,962	87,742	89,559	91,414
SIDHPUR	40,521	51,953	2.52	55,974	57,382	58,826	60,307	61,824
UNJHA	27,179	37,725	3.33	41,624	43,011	44,445	45,926	47,457
VISNAGAR	34,863	46,631	2.95	50,882	52,384	53,929	55,521	57,159
<b>TOTAL</b>	<b>367,340</b>	<b>495,910</b>	<b>3.05</b>	<b>543,055</b>	<b>559,792</b>	<b>577,068</b>	<b>594,902</b>	<b>613,311</b>
<b>SAURASHTRA</b>								
AMRELI	39,520	56,598	3.66	63,037	65,342	67,731	70,208	72,776
BAGASARA	18,999	23,015	1.94	24,377	24,849	25,330	25,821	26,321
BHAVNAGAR	225,358	307,121	3.14	337,008	347,603	358,531	369,803	381,430
BOTAD	32,179	50,274	4.56	57,474	60,096	62,838	65,706	68,704
DHORAJI	59,773	76,556	2.51	82,455	84,521	86,639	88,810	91,035
DHRANGADHRA	40,792	51,280	2.31	54,923	56,194	57,495	58,826	60,187
GONDAL	54,928	66,096	1.87	69,869	71,175	72,504	73,859	75,238
HIMMATNAGAR	23,764	39,959	5.33	46,700	49,191	51,815	54,579	57,491
JAMNAGAR	199,709	277,915	3.36	306,878	317,188	327,845	338,860	350,245
JETPUR	41,926	62,806	4.12	70,901	73,825	76,870	80,040	83,341
JUNAGADH	95,485	118,646	2.20	126,633	129,413	132,254	135,158	138,126
KESOD	19,613	32,036	5.03	37,116	38,983	40,943	43,002	45,165
KHAMBHALIYA	19,973	26,368	2.82	28,659	29,466	30,296	31,149	32,027
LIMBADI	25,462	30,929	1.96	32,787	33,431	34,088	34,757	35,440
MAHUVA	39,497	53,625	3.11	58,777	60,602	62,484	64,424	66,424
MANGROL	27,183	36,992	3.13	40,574	41,843	43,153	44,503	45,896
MODASA	22,483	31,989	3.59	35,558	36,834	38,156	39,526	40,945
MORVI	60,976	73,327	1.86	77,498	78,941	80,411	81,908	83,432
PALITANA	27,355	34,449	2.33	36,916	37,777	38,658	39,560	40,483
PORBANDAR	96,881	115,182	1.75	121,318	123,436	125,590	127,782	130,013
RAJKOT	300,612	445,076	4.00	500,682	520,721	541,561	563,236	585,778
SAVARKUNDLA	37,957	49,740	2.74	53,942	55,420	56,939	58,499	60,102
SURENDRANAGAR	66,667	89,619	3.00	97,937	100,877	103,906	107,027	110,240
UNA	21,558	29,171	3.07	31,941	32,922	33,933	34,974	36,048
UPLETA	35,326	54,907	4.51	62,674	65,499	68,453	71,539	74,765

CONTD...

1	2	3	4	5	6	7	8	9
VERAVALPATAN	75,520	105,307	3.38	116,352	120,286	124,352	128,556	132,902
WADHWAN	30,584	38,832	2.42	41,715	42,723	43,755	44,813	45,896
WANKANER	28,001	32,200	1.41	33,578	34,050	34,530	35,015	35,508
TOTAL	1,768,081	2,410,015	3.15	2,648,279	2,733,208	2,821,060	2,911,940	3,005,958
KUCHCHH								
ANJAR	27,302	33,623	2.10	35,790	36,543	37,312	38,097	38,899
BHUJ	52,177	69,693	2.94	76,015	78,247	80,546	82,911	85,346
GANDHIDHAM	38,824	61,415	4.69	70,473	73,780	77,243	80,868	84,663
MANDVI	27,849	32,114	1.44	33,516	33,997	34,485	34,980	35,482
TOTAL	146,152	196,845	3.02	215,794	222,567	229,586	236,856	244,390
GUJARAT	5,777,487	7,908,484	3.19	8,707,957	8,994,008	9,290,488	9,597,808	9,916,394



MUNICIPAL BODY/ REGIONS	CENSUS POPULATION		ACGR	ESTIMATED POPULATION				
	1971	1981		1989	1990	1991	2001	2011
1	2	3	4	10	11	12	13	14
<b>NORTH</b>								
ANKLESVAR	24,814	36,123	3.83	48,781	50,647	52,586	76,552	111,440
BARDOLI	19,262	28,131	3.86	38,086	39,556	41,083	60,000	87,626
BHARUCH	91,589	110,070	1.86	127,505	129,870	132,280	158,971	191,049
BILIMORA	26,305	43,755	5.22	65,738	69,170	72,780	121,061	201,370
DABHOI	37,892	44,357	1.59	50,314	51,113	51,925	60,784	71,155
DAHOD	44,506	55,256	2.19	65,697	67,134	68,602	85,172	105,745
GODHRA	66,403	85,784	2.59	105,288	108,019	110,821	143,167	184,953
JAMBUSAR	24,251	28,369	1.58	32,161	32,669	33,186	38,821	45,413
NAVSARI	72,979	106,793	3.88	144,816	150,436	156,274	228,682	334,639
PADRA	24,229	27,064	1.11	29,569	29,898	30,230	33,767	37,719
RAJPIPLA	25,769	29,226	1.27	32,322	32,732	33,146	37,593	42,636
SURAT	471,656	776,583	5.11	1,157,278	1,216,449	1,278,646	2,105,294	3,466,374
VADODARA	466,696	734,473	4.64	1,055,672	1,104,646	1,155,892	1,819,111	2,862,866
VALSAD	43,254	54,017	2.25	64,525	65,975	67,458	84,243	105,206
VYARA	18,910	23,998	2.41	29,037	29,737	30,454	38,649	49,048
<b>TOTAL</b>	<b>1,458,515</b>	<b>2,183,999</b>	<b>4.12</b>	<b>3,046,789</b>	<b>3,178,051</b>	<b>3,315,363</b>	<b>5,091,867</b>	<b>7,897,239</b>
<b>CENTRAL</b>								
AHMEDABAD	1,585,544	2,059,725	2.65	2,539,299	2,606,616	2,675,717	3,475,930	4,515,460
ANAND	59,155	83,936	3.56	111,048	115,003	119,098	168,990	239,783
BORSAD	30,738	38,684	2.33	46,496	47,577	48,684	61,269	77,107
DAHEBAM	17,768	24,868	3.42	32,541	33,654	34,805	48,713	68,178
DHOLKA	35,520	44,270	2.23	52,798	53,973	55,175	68,767	85,707
KAPADWANJ	30,748	35,178	1.36	39,177	39,708	40,246	46,044	52,678
KHAMBHAT	62,097	68,791	1.03	74,662	75,430	76,206	84,421	93,522
NADIAD	108,279	142,669	2.80	177,892	182,867	187,981	247,685	326,351
PETLAD	39,535	47,020	1.75	54,016	54,960	55,922	66,509	79,101
UMRETH	24,225	28,299	1.57	32,046	32,548	33,058	38,617	45,112
VIRAMGAM	43,790	48,275	0.98	52,191	52,702	53,219	58,670	64,679
<b>TOTAL</b>	<b>2,037,399</b>	<b>2,621,715</b>	<b>2.55</b>	<b>3,212,166</b>	<b>3,295,038</b>	<b>3,380,111</b>	<b>4,365,615</b>	<b>5,647,678</b>

CONTD...

1	2	3	4	5	6	7	8	9
NORTH								
DEESA	28,324	41,730	3.95	46,874	48,726	50,651	52,653	54,733
KADI	27,901	34,595	2.17	36,900	37,702	38,522	39,359	40,215
KALOL	50,321	69,946	3.35	77,208	79,793	82,465	85,225	88,079
MAHESANA	51,598	72,872	3.51	80,823	83,662	86,601	89,643	92,791
PALANPUR	42,114	61,262	3.82	68,552	71,170	73,887	76,709	79,639
PATAN	64,519	79,196	2.07	84,218	85,962	87,742	89,559	91,414
SIDHPUR	40,521	51,953	2.52	55,974	57,382	58,826	60,307	61,824
UNJHA	27,179	37,725	3.33	41,624	43,011	44,445	45,926	47,457
VISNAGAR	34,863	46,631	2.95	50,882	52,384	53,929	55,521	57,159
TOTAL	367,340	495,910	3.05	543,055	559,792	577,068	594,902	613,311
SAURASHTRA								
AMRELI	39,520	56,598	3.66	63,037	65,342	67,731	70,208	72,776
BAGASARA	18,999	23,015	1.94	24,377	24,849	25,330	25,821	26,321
BHAVNAGAR	225,358	307,121	3.14	337,008	347,603	358,531	369,803	381,430
BOTAD	32,179	50,274	4.56	57,474	60,096	62,838	65,706	68,704
DHORAJI	59,773	76,556	2.51	82,455	84,521	86,639	88,810	91,035
DHRANGADHRA	40,792	51,280	2.31	54,923	56,194	57,495	58,826	60,187
GONDAL	54,928	66,096	1.87	69,869	71,175	72,504	73,859	75,238
HIMMATNAGAR	23,764	39,959	5.33	46,700	49,191	51,815	54,579	57,491
JAMNAGAR	199,709	277,915	3.36	306,878	317,188	327,845	338,860	350,245
JETPUR	41,926	62,806	4.12	70,901	73,825	76,870	80,040	83,341
JUNAGADH	95,485	118,646	2.20	126,633	129,413	132,254	135,158	138,126
KESOD	19,613	32,036	5.03	37,116	38,983	40,943	43,002	45,165
KHAMBHALIYA	19,973	26,368	2.82	28,659	29,466	30,296	31,149	32,027
LIMBADI	25,462	30,929	1.96	32,787	33,431	34,088	34,757	35,440
MAHUVA	39,497	53,625	3.11	58,777	60,602	62,484	64,424	66,424
MANGROL	27,183	36,992	3.13	40,574	41,843	43,153	44,503	45,896
MODASA	22,483	31,989	3.59	35,558	36,834	38,156	39,526	40,945
MORVI	60,976	73,327	1.86	77,498	78,941	80,411	81,908	83,432
PALITANA	27,355	34,449	2.33	36,916	37,777	38,658	39,560	40,483
PORBANDAR	96,881	115,182	1.75	121,318	123,436	125,590	127,782	130,013
RAJKOT	300,612	445,076	4.00	500,682	520,721	541,561	563,236	585,778
SAVARKUNDLA	37,957	49,740	2.74	53,942	55,420	56,939	58,499	60,102
SURENDRANAGAR	66,667	89,619	3.00	97,937	100,877	103,906	107,027	110,240
UNA	21,558	29,171	3.07	31,941	32,922	33,933	34,974	36,048
UPLETA	35,326	54,907	4.51	62,674	65,499	68,453	71,539	74,765

CONTD...

1	2	3	4	10	11	12	13	14
VERAVALPATAN	75,520	105,307	3.38	137,395	142,040	146,842	204,761	285,524
WADHWAN	30,584	38,832	2.42	47,005	48,141	49,304	62,600	79,483
WANKANER	28,001	32,200	1.41	36,008	36,514	37,028	42,581	48,966
TOTAL	1,768,081	2,410,015	3.15	3,103,224	3,203,861	3,307,990	4,572,257	6,363,507
KUCHCHH								
ANJAR	27,302	33,623	2.10	39,718	40,554	41,407	50,994	62,800
BHUJ	52,177	69,693	2.94	87,853	90,433	93,089	124,339	166,080
GANDHIDHAM	38,824	61,415	4.69	88,636	92,796	97,151	153,681	243,106
MANDVI	27,849	32,114	1.44	35,991	36,508	37,032	42,703	49,243
TOTAL	146,152	196,845	3.02	252,198	260,291	268,679	371,717	521,229
GUJARAT	5,777,487	7,908,484	3.19	10,246,692	10,589,175	10,944,331	15,316,178	21,679,183

SOURCE: NIUA SURVEY, 1991

Annex B.3

Municipal Taxation Powers and its Utilization \*  
in Gujarat State

Region	District	Municipal body	Tax on land & buildings (Prop. tax)	Tax on all vehi- cles & boats & animals do (2)	Toll on vehicles and ani- mals	Octroi	Tax on dogs	Special sanitary cess	General sanitary cess	Drain- age Tax	General water rate	Special water tax	Light- ing tax	Fee on pilgrims cess	Special educa- tional cess	Tax on sale of cattle	Retier- ment levy	19	20	21	22	23	24	25	Remark		
South	Valsad	Valsad	Yes	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	Yes	-	-	-	-	Yes	-	-	-	-	-	-	-		
		Navsari	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	-	Yes	-	Yes	-	-	-	-	Yes	-	-	-	-	-	-	-	
		Bilimora	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	-	
	Surat	Surat (MC)	Yes	Yes	Yes	Yes	-	-	Yes	-	-	Yes	-	-	-	-	-	-	Yes	-	-	-	-	-	-	-	
		Bharuch	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	-	Yes	Yes	Yes	-	-	-	-	Yes	-	-	-	-	-	-	-	
		Anklesvar	Yes	Yes	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	Yes	-	-	-	-	Yes	-	-	-	-	-	-	-	
	Padodara	Rajpipla	Yes	Yes	-	Yes	-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	Yes	-	-	-	-	-	-	-	
		Padodara (MC)	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	-	Yes	-	-	-	-	-	-	Yes	-	-	-	-	-	-	-	
		Dabhoi	Yes	Yes	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	-	
		Godhra	Yes	Yes	Yes	Yes	-	-	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	-	
Panchmahal	Dahod	Yes	Yes	Yes	Yes	-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	Yes	-	-	-	-	-	-	-		
	Godhra	Yes	Yes	Yes	Yes	-	-	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	-		
Central	Khhera	Radiad	Yes	Yes	-	Yes	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-	-	Yes	-	-	-	-	-	-		
		Anand	Yes	Yes	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	Yes	-	-	-	-	Yes	-	-	-	-	-	-	-	
		Khabhat	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	Yes	-	-	-	-	-	-	-	
		Pellad	Yes	Yes	-	Yes	-	-	Yes	Yes	-	Yes	Yes	Yes	-	-	-	-	Yes	-	-	-	-	-	-	-	
		Borsad	Yes	Yes	-	Yes	-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	Yes	-	-	-	-	-	-	-	
		Kapadwanj	Yes	Yes	Yes	Yes	-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	Yes	-	-	-	-	-	-	-	
		Umreth	Yes	Yes	-	Yes	-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	Yes	-	-	-	-	-	-	-	
		Ahmedabad	Ahmedabad (MC)	Yes	Yes	-	Yes	-	-	Yes	Yes	-	Yes	-	-	-	-	-	-	Yes	-	-	-	-	-	-	-
		Viragan	Yes	Yes	Yes	Yes	-	-	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	-	
		Dholka	Yes	Yes	Yes	Yes	-	Yes	-	Yes	Yes	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	-	
North	Mahesana	Sardarnagar	Yes	-	-	Yes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Saljparbhoga	Yes	-	-	Yes	-	-	-	Yes	-	Yes	Yes	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Mahesana	Yes	Yes	Yes	Yes	-	Yes	-	Yes	-	Yes	Yes	Yes	-	-	-	-	Yes	-	-	-	-	-	-	-	
		Kalol	Yes	Yes	Yes	Yes	-	-	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	-	
		Sidhpur	Yes	Yes	Yes	Yes	-	-	Yes	Yes	-	Yes	Yes	Yes	-	-	-	-	Yes	-	-	-	-	-	-	-	
Visnagar	Yes	Yes	-	Yes	-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	Yes	-	-	-	-	-	-	-			
Unjha	Yes	Yes	Yes	Yes	-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	Yes	-	-	-	-	-	-	-			
Kadi	Yes	Yes	-	Yes	-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	Yes	-	-	-	-	-	-	-			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
		Banskantha	Palampur Dessa	Yes Yes	Yes Yes	Yes Yes	- -	Yes Yes	- -	- -	- -	Yes Yes	- -	- -	- -	- -	- -	Yes Yes	- -	- -	- -	- -	- -	- -	
	Sarasbtra	Jannagar	Jannagar (MC)	Yes	Yes	Yes	-	Yes	Yes	-	Yes	-	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Jannagarh	Jannagarh Porbandar Patan	Yes Yes Yes	- Yes Yes	Yes Yes Yes	- - -	- - -	- - -	- - -	Yes Yes Yes	- - -	- - -	- - -	- - -	- - -	- - -	- - -	Yes Yes Yes	- - -	- - -	- - -	- - -	- - -	- - -
		Veravalpattan	Veravalpattan	Yes	Yes	Yes	-	Yes	-	-	Yes	-	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Mongrol	Mongrol	Yes	Yes	Yes	-	Yes	-	-	Yes	-	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Amreli	Amreli	Yes	Yes	Yes	-	Yes	Yes	-	-	-	-	-	-	-	-	Yes	Yes	Yes	-	-	-	-	
		Bhannagar	Bhannagar (MC)	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Mahuva	Mahuva	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Savarkundla	Savarkundla	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Botad	Botad	-	Yes	Yes	-	-	-	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Palitana	Palitana	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Surendernagar	Surendernagar	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Wadhwan	Wadhwan	Yes	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Dharangadhra	Dharangadhra	Yes	Yes	Yes	-	Yes	Yes	-	-	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Limbdi	Limbdi	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Rajkot	Rajkot (MC)	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Jetpur	Jetpur	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Dhoraji	Dhoraji	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Korvi	Korvi	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Gondal	Gondal	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Upleta	Upleta	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Wankaner	Wankaner	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Kuchchh	Bhuj	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Gandhidham	Gandhidham	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Ahjar	Ahjar	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	
		Mandvi	Mandvi	Yes	Yes	Yes	-	Yes	Yes	-	Yes	Yes	-	-	-	-	-	Yes	-	-	-	-	-	-	

Note : 1. In case of municipalities, a municipality in lieu of imposing separately any or two or more of the four taxes viz. (i) Property Tax (ii) General Sanitary Cess (iii) General Water Rate and (iv) tax can impose a consolidated tax assessed as property tax. In Uresh, Kadi, Unjha, Dessa and many other municipalities, the municipal bodies are levying consolidated tax in the areas of their jurisdiction.

2. Yes - refer that tax/rate is being levied in a municipal body and No - refer that it is not being levied dispute of Provincial in the Act.

Source : 1. Bombay Provincial Municipal Corporation Act, 1949, and the Gujarat Municipality Act, 1963.  
2. Gujarat Municipal Finance Board, Statistics of Municipal Bodies, Gujarat 1985.

ANNEX B:4

STATEMENT OF REVENUE INCOME AND EXPENDITURE OF MUNICIPAL BODIES  
ACCORDING TO SIZE CLASS OF CITIES, 1988-89

MUNICIPAL BODY/ SIZE CLASS	INCOME ( '000 RS)	EXPENDITURE ( '000 RS)	INCOME - EXPENDITURE DIFFERENTIAL		PER CAPITA (RS.)	
			AMOUNT ( '000 RS)	% TO TOTAL	INCOME	EXPENDITURE
1	2	3	4	5	6	7
CLASS AA						
AHMEDABAD	1,195,747	1,380,812	185,065	-15.48	470.90	543.78
BHAVNAGAR	94,287	90,763	3,524	3.74	239.66	230.70
JAMNAGAR	94,994	93,571	1,423	1.50	262.41	258.47
RAJKOT	179,385	157,638	21,747	12.12	294.45	258.75
SURAT	647,638	446,954	200,684	30.99	559.62	386.21
VADODARA	517,161	375,784	141,377	27.34	489.89	355.97
TOTAL	2,729,212	2,545,522	183,690	6.73	446.18	416.15
CLASS A						
BHARUCH	30,730	32,471	1,741	-5.67	241.01	254.66
JUNAGADH	21,092	21,916	824	-3.91	149.42	155.26
NADIAD	44,265	36,994	7,271	16.43	248.83	207.96
NAVSARI	35,184	22,909	12,275	34.89	242.96	158.19
PORBANDAR	22,603	24,694	2,091	-9.25	170.87	186.68
VERAVALPATAN	16,923	15,759	1,164	6.88	123.17	114.70
TOTAL	170,797	154,743	16,054	9.40	198.36	179.71
CLASS B						
AMRELI	16,568	16,404	164	0.99	219.63	217.45
ANAND	29,301	27,983	1,318	4.50	263.86	251.99
BHUJ	16,236	14,373	1,863	11.47	184.81	163.60
BOTAD	9,311	9,925	614	-6.59	129.61	138.16
DAHOD	8,654	8,964	310	-3.58	131.73	136.44
DHORAJI	10,618	6,151	4,467	42.07	113.79	65.92
DHRANGADHRA	8,238	7,145	1,093	13.27	133.78	116.03
GANDHIDHAM	12,640	11,775	865	6.84	142.61	132.85
GODHRA	20,214	18,408	1,806	8.93	191.99	174.83
GONDAL	18,060	15,661	2,399	13.28	235.63	204.33

CONTD....

1	2	3	4	5	6	7
JETPUR	14,596	13,557	1,039	7.12	168.20	156.22
KALOL	12,729	12,182	547	4.30	139.84	133.83
KHAMBHAT	11,793	12,821	1,028	-8.72	157.95	171.72
MAHUVA	16,046	16,127	81	-0.50	234.29	235.48
MAHESANA	14,426	13,389	1,037	7.19	150.19	139.39
MORVI	16,425	16,450	25	-0.15	193.27	193.56
PALANPUR	41,019	35,270	5,749	14.02	496.12	426.58
PATAN	25,208	27,799	2,591	-10.28	270.16	297.93
SIDHPUR	23,096	19,464	3,632	15.73	364.41	307.10
SURENDRANAGAR	22,194	20,390	1,804	8.13	195.45	179.57
UPLETA	12,616	8,157	4,459	35.34	161.46	104.39
VALSAD	13,007	12,866	141	1.08	201.58	199.40
TOTAL	372,995	345,261	27,734	7.44	203.28	188.16
CLASS C						
ANJAR	10,559	10,775	216	-2.05	265.85	271.29
ANKLESVAR	14,273	16,308	2,035	-14.26	292.59	334.31
BAGASARA	3,079	3,164	85	-2.76	114.76	117.93
BARDOLI	4,503	2,481	2,022	44.90	118.23	65.14
BILIMORA	10,091	10,284	193	-1.91	153.50	156.44
BORSAD	5,326	4,639	687	12.90	114.55	99.77
DABHOI	8,388	10,074	1,686	-20.10	166.71	200.22
DAHEBAM	3,806	2,529	1,277	33.55	116.96	77.72
DEESA	9,435	21,799	12,364	-131.04	165.83	383.14
DHOLKA	4,577	5,829	1,252	-27.35	86.69	110.40
HIMMATNAGAR	7,319	6,459	860	11.75	120.86	106.66
JAMBUSAR	4,592	2,781	1,811	39.44	142.78	86.47
KADI	3,923	4,498	575	-14.66	95.48	109.47
KAPADWANJ	11,930	10,722	1,208	10.13	304.52	273.68
KESOD	4,802	3,472	1,330	27.70	101.23	73.19
KHAMBHALIYA	4,009	4,092	83	-2.07	121.75	124.27
LIMBADI	4,716	7,131	2,415	-51.21	130.51	197.34
MANDVI	3,826	4,595	769	-20.10	106.30	127.67
MANGROL	2,689	2,716	27	-1.00	56.81	57.38
MODASA	4,672	3,254	1,418	30.35	110.15	76.72
PADRA	6,126	5,804	322	5.26	207.18	196.29
PALITANA	9,600	11,690	2,090	-21.77	231.73	282.18
PETLAD	5,678	5,807	129	-2.27	105.12	107.51
RAJPIPLA	8,242	8,806	564	-6.84	255.00	272.45
SAVARKUNDLA	13,275	18,706	5,431	-40.91	214.98	302.94

CONTD....

1	2	3	4	5	6	7
UMRETH	3,635	2,574	1,061	29.19	113.43	80.32
UNA	5,973	686	5,287	88.51	160.76	18.46
UNJHA	11,033	12,686	1,653	-14.98	224.98	258.69
VIRAMGAM	6,245	6,810	565	-9.05	119.66	130.48
VISNAGAR	14,564	13,873	691	4.74	247.49	235.75
VYARA	4,875	3,299	1,576	32.33	167.89	113.61
WADHWAN	4,839	5,968	1,129	-23.33	102.95	126.97
WANKANER	4,086	4,251	165	-4.04	113.47	118.06
TOTAL	224,686	238,562	13,876	-6.18	156.70	166.38
GUJARAT	3,497,690	3,284,088	213,602	6.11	341.35	320.50

SOURCE: NIUA SURVEY, 1991



ANNEX B:5

STATEMENT OF REVENUE INCOME AND EXPENDITURE OF MUNICIPAL BODIES  
ACCORDING TO REGIONS, 1988-89

MUNICIPAL BODY/ REGION	INCOME ( '000 RS)	EXPENDITURE ( '000 RS)	INCOME - EXPENDITURE DIFFERENTIAL		PER CAPITA (RS.)	
			AMOUNT ( '000 RS)	% TO TOTAL	INCOME	EXPENDITURE
1	2	3	4	5	6	7
<b>SOUTH</b>						
ANKLESVAR	14,273	16,308	2,035	-14.26	292.59	334.31
BARDOLI	4,503	2,481	2,022	44.90	118.23	65.14
BHARUCH	30,730	32,471	1,741	-5.67	241.01	254.66
BILIMORA	10,091	10,284	193	-1.91	153.50	156.44
DABHOI	8,388	10,074	1,686	-20.10	166.71	200.22
DAHOD	8,654	8,964	310	-3.58	131.73	136.44
GODHRA	20,214	18,408	1,806	8.93	191.99	174.83
JAMBUSAR	4,592	2,781	1,811	39.44	142.78	86.47
NAVSARI	35,184	22,909	12,275	34.89	242.96	158.19
PADRA	6,126	5,804	322	5.26	207.18	196.29
RAJPIPLA	8,242	8,806	564	-6.84	255.00	272.45
SURAT	647,638	446,954	200,684	30.99	559.62	386.21
VADODARA	517,161	375,784	141,377	27.34	489.89	355.97
VALSAD	13,007	12,866	141	1.08	201.58	199.40
VYARA	4,875	3,299	1,576	32.33	167.89	113.61
<b>TOTAL</b>	<b>1,333,678</b>	<b>978,193</b>	<b>355,485</b>	<b>26.65</b>	<b>437.73</b>	<b>321.06</b>
<b>CENTRAL</b>						
AHMEDABAD	1,195,747	1,380,812	185,065	-15.48	470.90	543.78
ANAND	29,301	27,983	1,318	4.50	263.86	251.99
BORSAD	5,326	4,639	687	12.90	114.55	99.77
DAHEBAM	3,806	2,529	1,277	33.55	116.96	77.72
DHOLKA	4,577	5,829	1,252	-27.35	86.69	110.40
KAPADWANJ	11,930	10,722	1,208	10.13	304.52	273.68
KHAMBHAT	11,793	12,821	1,028	-8.72	157.95	171.72
NADIAD	44,265	36,994	7,271	16.43	248.83	207.96
PETLAD	5,678	5,807	129	-2.27	105.12	107.51
UMRETH	3,635	2,574	1,061	29.19	113.43	80.32
VIRAMGAM	6,245	6,810	565	-9.05	119.66	130.48
<b>TOTAL</b>	<b>1,322,303</b>	<b>1,497,520</b>	<b>175,217</b>	<b>-13.25</b>	<b>411.65</b>	<b>466.20</b>

CONTD...

1	2	3	4	5	6	7
<b>NORTH</b>						
DEESA	9,435	21,799	12,364	-131.04	165.83	383.14
KADI	3,923	4,498	575	-14.66	95.48	109.47
KALOL	12,729	12,182	547	4.30	139.84	133.83
MEHESANA	14,426	13,389	1,037	7.19	150.19	139.39
PALANPUR	41,019	35,270	5,749	14.02	496.12	426.58
PATAN	25,208	27,799	2,591	-10.28	270.16	297.93
SIDHPUR	23,096	19,464	3,632	15.73	364.41	307.10
UNJHA	11,033	12,686	1,653	-14.98	224.98	258.69
VISNAGAR	14,564	13,873	691	4.74	247.49	235.75
TOTAL	155,433	160,960	5,527	-3.56	245.82	254.56
<b>SAURASHTRA</b>						
AMRELI	16,568	16,404	164	0.99	219.63	217.45
BAGASARA	3,079	3,164	85	-2.76	114.76	117.93
BHAVNAGAR	94,287	90,763	3,524	3.74	239.66	230.70
BOTAD	9,311	9,925	614	-6.59	129.61	138.16
DHORAJI	10,618	6,151	4,467	42.07	113.79	65.92
DHRANGADHRA	8,238	7,145	1,093	13.27	133.78	116.03
GONDAL	18,060	15,661	2,399	13.28	235.63	204.33
HIMMATNAGAR	7,319	6,459	860	11.75	120.86	106.66
JAMNAGAR	94,994	93,571	1,423	1.50	262.41	258.47
JETPUR	14,596	13,557	1,039	7.12	168.20	156.22
JUNAGADH	21,092	21,916	824	-3.91	149.42	155.26
KESOD	4,802	3,472	1,330	27.70	101.23	73.19
KHAMBHALIYA	4,009	4,092	83	-2.07	121.75	124.27
LIMBADI	4,716	7,131	2,415	-51.21	130.51	197.34
MAHUVA	16,046	16,127	81	-0.50	234.29	235.48
MANGROL	2,689	2,716	27	-1.00	56.81	57.38
MODASA	4,672	3,254	1,418	30.35	110.15	76.72
MORVI	16,425	16,450	25	-0.15	193.27	193.56
PALITANA	9,600	11,690	2,090	-21.77	231.73	282.18
PORBANDAR	22,603	24,694	2,091	-9.25	170.87	186.68
RAJKOT	179,385	157,638	21,747	12.12	294.45	258.75
SAVARKUNDLA	13,275	18,706	5,431	-40.91	214.98	302.94
SURENDRANAGAR	22,194	20,390	1,804	8.13	195.45	179.57
UNA	5,973	686	5,287	88.51	160.76	18.46
UPLETA	12,616	8,157	4,459	35.34	161.46	104.39

CONTD...

1	2	3	4	5	6	7
VERAVALPATAN	16,923	15,759	1,164	6.88	123.17	114.70
WADHWAN	4,839	5,968	1,129	-23.33	102.95	126.97
WANKANER	4,086	4,251	165	-4.04	113.47	118.06
TOTAL	643,015	605,897	37,118	5.77	207.21	195.25
KUCHCHH						
ANJAR	10,559	10,775	216	-2.05	265.85	271.29
BHUJ	16,236	14,373	1,863	11.47	184.81	163.60
GANDHIDHAM	12,640	11,775	865	6.84	142.61	132.85
MANDVI	3,826	4,595	769	-20.10	106.30	127.67
TOTAL	43,261	41,518	1,743	4.03	171.54	164.62
GUJARAT	3,497,690	3,284,088	213,602	6.11	341.35	320.50

SOURCE: NIUA SURVEY, 1991

ANNEX B:6

COMPOSITION OF REVENUE INCOME OF MUNICIPAL BODIES  
ACCORDING TO SIZE CLASS OF CITIES, 1988-89

('000 RS.)

MUNICIPAL BODY/ SIZE CLASS	TOTAL INCOME	INTERNAL SOURCES			EXTERNAL SOURCES GRANTS & SHARED TAXES
		TAX	NON-TAX	OTHERS	
1	2	3	4	5	6
CLASS AA					
AHMEDABAD % SHARE	1,195,747	843,472 70.54	81,541 6.82	59,556 4.98	211,178 17.66
BHAVNAGAR % SHARE	94,287	63,434 67.28	8,810 9.34	1,201 1.27	20,842 22.10
JAMNAGAR % SHARE	94,994	64,069 67.45	8,159 8.59	5,349 5.63	17,417 18.33
RAJKOT % SHARE	179,385	122,339 68.20	3,250 1.81	16,916 9.43	36,880 20.56
SURAT % SHARE	647,638	520,913 80.43	13,164 2.03	29,527 4.56	84,034 12.98
VADODARA % SHARE	517,161	354,084 68.47	44,355 8.58	50,038 9.68	68,684 13.28
TOTAL % SHARE	2,729,212	1,968,311 72.12	159,279 5.84	162,587 5.96	439,035 16.09
CLASS A					
BHARUCH % SHARE	30,730	16,966 55.21	744 2.42	556 1.81	12,464 40.56
JUNAGADH % SHARE	21,092	14,941 70.84	2,451 11.62	1,496 7.09	2,204 10.45
NADIAD % SHARE	44,265	23,255 52.54	2,568 5.80	2,017 4.56	16,425 37.11
NAVSARI % SHARE	35,184	21,391 60.80	945 2.69	1,254 3.56	11,594 32.95
PORBANDAR % SHARE	22,603	14,836 65.64	4,380 19.38	974 4.31	2,413 10.68

CONTD.....

1	2	3	4	5	6
VERAVALPATAN % SHARE	16,923	11,356 67.10	3,134 18.52	360 2.13	2,073 12.25
TOTAL % SHARE	170,797	102,745 60.16	14,222 8.33	6,657 3.90	47,173 27.62
CLASS B					
AMRELI % SHARE	16,568	7,001 42.26	4,030 24.32	221 1.33	5,316 32.09
ANAND % SHARE	29,301	15,931 54.37	3,041 10.38	2,458 8.39	7,871 26.86
BHUJ % SHARE	16,236	11,409 70.27	1,018 6.27	673 4.15	3,136 19.32
BOTAD % SHARE	9,311	4,460 47.90	171 1.84	80 0.86	4,600 49.40
DAHOD % SHARE	8,654	5,887 68.03	321 3.71	377 4.36	2,069 23.91
DHORAJI % SHARE	10,618	7,275 68.52	1,035 9.75	199 1.87	2,109 19.86
DHRANGADHRA % SHARE	8,238	6,177 74.98	315 3.82	538 6.53	1,208 14.66
GANDHIDHAM % SHARE	12,640	10,426 82.48	500 3.96	229 1.81	1,485 11.75
GODHRA % SHARE	20,214	6,777 33.53	571 2.82	1,445 7.15	11,421 56.50
GONDAL % SHARE	18,060	9,746 53.96	880 4.87	356 1.97	7,078 39.19
JETPUR % SHARE	14,596	7,393 50.65	632 4.33	202 1.38	6,369 43.64
KALOL % SHARE	12,729	8,731 68.59	574 4.51	670 5.26	2,754 21.64
KHAMBHAT % SHARE	11,793	7,348 62.31	1,386 11.75	511 4.33	2,548 21.61
MAHUVA % SHARE	16,046	6,249 38.94	1,685 10.50	787 4.90	7,325 45.65

CONTD....

1	2	3	4	5	6
MAHESANA % SHARE	14,426	10,167 70.48	3,361 23.30	220 1.53	678 4.70
MORVI % SHARE	16,425	12,428 75.67	2,105 12.82	678 4.13	1,214 7.39
PALANPUR % SHARE	41,019	8,508 20.74	23,620 57.58	544 1.33	8,347 20.35
PATAN % SHARE	25,208	7,445 29.53	10,125 40.17	754 2.99	6,884 27.31
SIDHPUR % SHARE	23,096	5,291 22.91	9,119 39.48	656 2.84	8,030 34.77
SURENDRANAGAR % SHARE	22,194	12,144 54.72	391 1.76	373 1.68	9,286 41.84
UPLETA % SHARE	12,616	6,349 50.32	1,776 14.08	2,186 17.33	2,305 18.27
VALSAD % SHARE	13,007	8,774 67.46	2,087 16.05	298 2.29	1,848 14.21
TOTAL % SHARE	372,995	185,916 49.84	68,743 18.43	14,455 3.88	103,881 27.85
CLASS C					
ANJAR % SHARE	10,559	5,081 48.12	711 6.73	217 2.06	4,550 43.09
ANKLESVAR % SHARE	14,273	6,090 42.67	824 5.77	395 2.77	6,964 48.79
BAGASARA % SHARE	3,079	2,341 76.03	113 3.67	53 1.72	572 18.58
BARDOLI % SHARE	4,503	3,916 86.96	510 11.33	0.00	77 1.71
BILIMORA % SHARE	10,091	4,911 48.67	735 7.28	22 0.22	4,423 43.83
BORSAD % SHARE	5,326	2,791 52.40	669 12.56	405 7.60	1,461 27.43
DABHOI % SHARE	8,388	4,402 52.48	225 2.68	252 3.00	3,509 41.83

CONTD . . . .

1	2	3	4	5	6
DAHEBAM % SHARE	3,806	2,727 71.65	515 13.53	99 2.60	465 12.22
DEESA % SHARE	9,435	5,667 60.06	833 8.83	1,537 16.29	1,398 14.82
DHOLKA % SHARE	4,577	3,570 78.00	111 2.43	75 1.64	821 17.94
HIMMATNAGAR % SHARE	7,319	5,394 73.70	177 2.42	786 10.74	962 13.14
JAMBUSAR % SHARE	4,592	1,688 36.76	438 9.54	64 1.39	2,402 52.31
KADI % SHARE	3,923	2,157 54.98	787 20.06	132 3.36	847 21.59
KAPADWANJ % SHARE	11,930	3,245 27.20	4,274 35.83	1,730 14.50	2,681 22.47
KESOD % SHARE	4,802	4,316 89.88	126 2.62	184 3.83	176 3.67
KHAMBHALIYA % SHARE	4,009	3,243 80.89	204 5.09	134 3.34	428 10.68
LIMBADI % SHARE	4,716	3,555 75.38	229 4.86	66 1.40	866 18.36
MANDVI % SHARE	3,826	2,996 78.31	276 7.21	132 3.45	422 11.03
MANGROL % SHARE	2,689	1,933 71.89	213 7.92	40 1.49	503 18.71
MODASA % SHARE	4,672	2,894 61.94	256 5.48	104 2.23	1,418 30.35
PADRA % SHARE	6,126	2,482 40.52	529 8.64	45 0.73	3,070 50.11
PALITANA % SHARE	9,600	4,692 48.88	293 3.05	176 1.83	4,439 46.24
PETLAD % SHARE	5,678	3,819 67.26	343 6.04	185 3.26	1,331 23.44
RAJPIPLA % SHARE	8,242	3,484 42.27	218 2.64	154 1.87	4,386 53.22

CONTD.....

	1	2	3	4	5	6
SAVARKUNDLA % SHARE		13,275	6,558 49.40	582 4.38	242 1.82	5,893 44.39
UMRETH % SHARE		3,635	2,474 68.06	211 5.80	472 12.98	478 13.15
UNA % SHARE		5,973	3,850 64.46	71 1.19	1,875 31.39	177 2.96
UNJHA % SHARE		11,033	4,575 41.47	1,009 9.15	956 8.66	4,493 40.72
VIRAMGAM % SHARE		6,245	3,926 62.87	1,023 16.38	41 0.66	1,255 20.10
VISNAGAR % SHARE		14,564	3,101 21.29	10,673 73.28	245 1.68	545 3.74
VYARA % SHARE		4,875	2,788 57.19	325 6.67	1,394 28.59	368 7.55
WADHWAN % SHARE		4,839	3,776 78.03	90 1.86	240 4.96	733 15.15
WANKANER % SHARE		4,086	3,268 79.98	166 4.06	113 2.77	539 13.19
TOTAL % SHARE		224,686	121,710 54.17	27,759 12.35	12,565 5.59	62,652 27.88
GUJARAT % SHARE		3,497,690	2,378,682 68.01	270,003 7.72	196,264 5.61	652,741 18.66

SOURCE: NIUA SURVEY, 1991



ANNEX B:7

COMPOSITION OF REVENUE INCOME OF MUNICIPAL BODIES  
ACCORDING TO REGIONS, 1988-89

MUNICIPAL BODY/ REGION	TOTAL INCOME	INTERNAL SOURCES			EXTERNAL SOURCES GRANTS & SHARED TAXES ( '000 RS. )
		TAX	NON-TAX	OTHERS	
1	2	3	4	5	6
SOUTH					
ANKLESVAR % SHARE	14,273	6,090 42.67	824 5.77	395 2.77	6,964 48.79
BARDOLI % SHARE	4,503	3,916 86.96	510 11.33	0.00	77 1.71
BHARUCH % SHARE	30,730	16,966 55.21	744 2.42	556 1.81	12,464 40.56
BILIMORA % SHARE	10,091	4,911 48.67	735 7.28	22 0.22	4,423 43.83
DABHOI % SHARE	8,388	4,402 52.48	225 2.68	252 3.00	3,509 41.83
DAHOD % SHARE	8,654	5,887 68.03	321 3.71	377 4.36	2,069 23.91
GODHRA % SHARE	20,214	6,777 33.53	571 2.82	1,445 7.15	11,421 56.50
JAMBUSAR % SHARE	4,592	1,688 36.76	438 9.54	64 1.39	2,402 52.31
NAVSARI % SHARE	35,184	21,391 60.80	945 2.69	1,254 3.56	11,594 32.95
PADRA % SHARE	6,126	2,482 40.52	529 8.64	45 0.73	3,070 50.11
RAJPIPLA % SHARE	8,242	3,484 42.27	218 2.64	154 1.87	4,386 53.22
SURAT % SHARE	647,638	520,913 80.43	13,164 2.03	29,527 4.56	84,034 12.98

CONTD.....

1	2	3	4	5	6
VADODARA % SHARE	517,161	354,084 68.47	44,355 8.58	50,038 9.68	68,684 13.28
VALSAD % SHARE	13,007	8,774 67.46	2,087 16.05	298 2.29	1,848 14.21
VYARA % SHARE	4,875	2,788 57.19	325 6.67	1,394 28.59	368 7.55
TOTAL % SHARE	1,333,678	964,553 72.32	65,991 4.95	85,821 6.43	217,313 16.29
CENTRAL					
AHMEDABAD % SHARE	1,195,747	843,472 70.54	81,541 6.82	59,556 4.98	211,178 17.66
ANAND % SHARE	29,301	15,931 54.37	3,041 10.38	2,458 8.39	7,871 26.86
BORSAD % SHARE	5,326	2,791 52.40	669 12.56	405 7.60	1,461 27.43
DAHEBAM % SHARE	3,806	2,727 71.65	515 13.53	99 2.60	465 12.22
DHOLKA % SHARE	4,577	3,570 78.00	111 2.43	75 1.64	821 17.94
KAPADWANJ % SHARE	11,930	3,245 27.20	4,274 35.83	1,730 14.50	2,681 22.47
KHAMBHAT % SHARE	11,793	7,348 62.31	1,386 11.75	511 4.33	2,548 21.61
NADIAD % SHARE	44,265	23,255 52.54	2,568 5.80	2,017 4.56	16,425 37.11
PETLAD % SHARE	5,678	3,819 67.26	343 6.04	185 3.26	1,331 23.44
UMRETH % SHARE	3,635	2,474 68.06	211 5.80	472 12.98	478 13.15

CONTD.....

1	2	3	4	5	6
VIRAMGAM % SHARE	6,245	3,926 62.87	1,023 16.38	41 0.66	1,255 20.10
TOTAL % SHARE	1,322,303	912,558 69.01	95,682 7.24	67,549 5.11	246,514 18.64
NORTH					
DEESA % SHARE	9,435	5,667 60.06	833 8.83	1,537 16.29	1,398 14.82
KADI % SHARE	3,923	2,157 54.98	787 20.06	132 3.36	847 21.59
KALOL % SHARE	12,729	8,731 68.59	574 4.51	670 5.26	2,754 21.64
MEHESANA % SHARE	14,426	10,167 70.48	3,361 23.30	220 1.53	678 4.70
PALANPUR % SHARE	41,019	8,508 20.74	23,620 57.58	544 1.33	8,347 20.35
PATAN % SHARE	25,208	7,445 29.53	10,125 40.17	754 2.99	6,884 27.31
SIDHPUR % SHARE	23,096	5,291 22.91	9,119 39.48	656 2.84	8,030 34.77
UNJHA % SHARE	11,033	4,575 41.47	1,009 9.15	956 8.66	4,493 40.72
VISNAGAR % SHARE	14,564	3,101 21.29	10,673 73.28	245 1.68	545 3.74
TOTAL % SHARE	155,433	55,642 35.80	60,101 38.67	5,714 3.68	33,976 21.86
SAURASHTRA					
AMRELI % SHARE	16,568	7,001 42.26	4,030 24.32	221 1.33	5,316 32.09
BAGASARA % SHARE	3,079	2,341 76.03	113 3.67	53 1.72	572 18.58
BHAVNAGAR % SHARE	94,287	63,434 67.28	8,810 9.34	1,201 1.27	20,842 22.10

CONTD.....

1	2	3	4	5	6
BOTAD % SHARE	9,311	4,460 47.90	171 1.84	80 0.86	4,600 49.40
DHORAJI % SHARE	10,618	7,275 68.52	1,035 9.75	199 1.87	2,109 19.86
DHRANGADHRA % SHARE	8,238	6,177 74.98	315 3.82	538 6.53	1,208 14.66
GONDAL % SHARE	18,060	9,746 53.96	880 4.87	356 1.97	7,078 39.19
HIMMATNAGAR % SHARE	7,319	5,394 73.70	177 2.42	786 10.74	962 13.14
JAMNAGAR % SHARE	94,994	64,069 67.45	8,159 8.59	5,349 5.63	17,417 18.33
JETPUR % SHARE	14,596	7,393 50.65	632 4.33	202 1.38	6,369 43.64
JUNAGADH % SHARE	21,092	14,941 70.84	2,451 11.62	1,496 7.09	2,204 10.45
KESOD % SHARE	4,802	4,316 89.88	126 2.62	184 3.83	176 3.67
KHAMBHALIYA % SHARE	4,009	3,243 80.89	204 5.09	134 3.34	428 10.68
LIMBADI % SHARE	4,716	3,555 75.38	229 4.86	66 1.40	866 18.36
MAHUVA % SHARE	16,046	6,249 38.94	1,685 10.50	787 4.90	7,325 45.65
MANGROL % SHARE	2,689	1,933 71.89	213 7.92	40 1.49	503 18.71
MODASA % SHARE	4,672	2,894 61.94	256 5.48	104 2.23	1,418 30.35
MORVI % SHARE	16,425	12,428 75.67	2,105 12.82	678 4.13	1,214 7.39
PALITANA % SHARE	9,600	4,692 48.88	293 3.05	176 1.83	4,439 46.24

CONTD.....

1	2	3	4	5	6
PORBANDAR % SHARE	22,603	14,836 65.64	4,380 19.38	974 4.31	2,413 10.68
RAJKOT % SHARE	179,385	122,339 68.20	3,250 1.81	16,916 9.43	36,880 20.56
SAVARKUNDLA % SHARE	13,275	6,558 49.40	582 4.38	242 1.82	5,893 44.39
SURENDRANAGAR % SHARE	22,194	12,144 54.72	391 1.76	373 1.68	9,286 41.84
UNA % SHARE	5,973	3,850 64.46	71 1.19	1,875 31.39	177 2.96
UPLETA % SHARE	12,616	6,349 50.32	1,776 14.08	2,186 17.33	2,305 18.27
VERAVALPATAN % SHARE	16,923	11,356 67.10	3,134 18.52	360 2.13	2,073 12.25
WADHWAN % SHARE	4,839	3,776 78.03	90 1.86	240 4.96	733 15.15
WANKANER % SHARE	4,086	3,268 79.98	166 4.06	113 2.77	539 13.19
TOTAL % SHARE	643,015	416,017 64.70	45,724 7.11	35,929 5.59	145,345 22.60
KUCHCHH					
ANJAR % SHARE	10,559	5,081 48.12	711 6.73	217 2.06	4,550 43.09
BHUJ % SHARE	16,236	11,409 70.27	1,018 6.27	673 4.15	3,136 19.32
GANDHIDHAM % SHARE	12,640	10,426 82.48	500 3.96	229 1.81	1,485 11.75

CONTD.....

	1	2	3	4	5	6
MANDVI % SHARE		3,826	2,996	276	132	422
			78.31	7.21	3.45	11.03
TOTAL % SHARE		43,261	29,912	2,505	1,251	9,593
			69.14	5.79	2.89	22.17
GUJARAT % SHARE		3,497,690	2,378,682	270,003	196,264	652,741
			68.01	7.72	5.61	18.66

SOURCE: NIUA SURVEY, 1991

ANNEX B:8

COMPONENT WISE PER CAPITA REVENUE INCOME OF MUNICIPAL BODIES  
ACCORDING TO SIZE CLASS OF CITIES, 1988-89

MUNICIPAL BODY/ SIZE CLASS	PER CAPITA (IN RS.)				
	TOTAL	TAX	NON-TAX	GRANTS	OTHERS
1	2	3	4	5	6
CLASS AA					
AHMEDABAD	470.90	332.17	32.11	83.16	23.45
BHAVNAGAR	239.66	161.24	22.39	52.98	3.05
JAMNAGAR	262.41	176.98	22.54	48.11	14.78
RAJKOT	294.45	200.81	5.33	60.54	27.77
SURAT	559.62	450.12	11.37	72.61	25.51
VADODARA	489.89	335.41	42.02	65.06	47.40
TOTAL	446.18	321.78	26.04	26.58	71.77
CLASS A					
BHARUCH	241.01	133.06	5.84	97.75	4.36
JUNAGADH	149.42	105.85	17.36	15.61	10.60
NADIAD	248.83	130.73	14.44	92.33	11.34
NAVSARI	242.96	147.71	6.53	80.06	8.66
PORBANDAR	170.87	112.15	33.11	18.24	7.36
VERAVALPATAN	123.17	82.65	22.81	15.09	2.62
TOTAL	198.36	119.33	16.52	7.73	54.79
CLASS B					
AMRELI	219.63	92.81	53.42	70.47	2.93
ANAND	263.86	143.46	27.38	70.88	22.13
BHUJ	184.81	129.86	11.59	35.70	7.66
BOTAD	129.61	62.08	2.38	64.03	1.11
DAHOD	131.73	89.61	4.89	31.49	5.74
DHORAJI	113.79	77.96	11.09	22.60	2.13
DHRANGADHRA	133.78	100.31	5.12	19.62	8.74
GANDHIDHAM	142.61	117.63	5.64	16.75	2.58
GODHRA	191.99	64.37	5.42	108.47	13.72
GONDAL	235.63	127.16	11.48	92.35	4.64
JETPUR	168.20	85.19	7.28	73.39	2.33
KALOL	139.84	95.92	6.31	30.25	7.36
KHAMBHAT	157.95	98.42	18.56	34.13	6.84
MAHUVA	234.29	91.24	24.60	106.95	11.49
MEHESANA	150.19	105.85	34.99	7.06	2.29

CONTD....

1	2	3	4	5	6
MORVI	193.27	146.24	24.77	14.28	7.98
PALANPUR	496.12	102.90	285.68	100.96	6.58
PATAN	270.16	79.79	108.51	73.78	8.08
SIDHPUR	364.41	83.48	143.88	126.70	10.35
SURENDRANAGAR	195.45	106.95	3.44	81.78	3.28
UPLETA	161.46	81.26	22.73	29.50	27.98
VALSAD	201.58	135.98	32.34	28.64	4.62
TOTAL	203.28	101.32	37.46	7.88	56.61
CLASS C					
ANJAR	265.85	127.93	17.90	114.56	5.46
ANKLESVAR	292.59	124.84	16.89	142.76	8.10
BAGASARA	114.76	87.25	4.21	21.32	1.98
BARDOLI	118.23	102.82	13.39	2.02	0.00
BILIMORA	153.50	74.71	11.18	67.28	0.33
BORSAD	114.55	60.03	14.39	31.42	8.71
DABHOI	166.71	87.49	4.47	69.74	5.01
DAHEBAM	116.96	83.80	15.83	14.29	3.04
DEESA	165.83	99.60	14.64	24.57	27.01
DHOLKA	86.69	67.62	2.10	15.55	1.42
HIMMATNAGAR	120.86	89.07	2.92	15.89	12.98
JAMBUSAR	142.78	52.49	13.62	74.69	1.99
KADI	95.48	52.50	19.15	20.61	3.21
KAPADWANJ	304.52	82.83	109.09	68.43	44.16
KESOD	101.23	90.99	2.66	3.71	3.88
KHAMBHALIYA	121.75	98.48	6.20	13.00	4.07
LIMBADI	130.51	98.38	6.34	23.97	1.83
MANDVI	106.30	83.24	7.67	11.73	3.67
MANGROL	56.81	40.84	4.50	10.63	0.85
MODASA	110.15	68.23	6.04	33.43	2.45
PADRA	207.18	83.94	17.89	103.82	1.52
PALITANA	231.73	113.26	7.07	107.15	4.25
PETLAD	105.12	70.70	6.35	24.64	3.42
RAJPIPLA	255.00	107.79	6.74	135.70	4.76
SAVARKUNDLA	214.98	106.20	9.43	95.43	3.92
UMRETH	113.43	77.20	6.58	14.92	14.73
UNA	160.76	103.62	1.91	4.76	50.46
UNJHA	224.98	93.29	20.58	91.62	19.49
VIRAMGAM	119.66	75.22	19.60	24.05	0.79
VISNAGAR	247.49	52.70	181.37	9.26	4.16

CONTD....



1	2	3	4	5	6
VYARA	167.89	96.02	11.19	12.67	48.01
WADHWAN	102.95	80.33	1.91	15.59	5.11
WANKANER	113.47	90.76	4.61	14.97	3.14
TOTAL	156.70	84.88	19.36	8.76	43.70
GUJARAT	341.35	232.14	26.35	19.15	63.70

SOURCE: NIUA SURVEY, 1991

ANNEX B:9

COMPONENT WISE PER CAPITA REVENUE INCOME OF MUNICIPAL BODIES  
ACCORDING TO REGIONS, 1988-89

MUNICIPAL BODY/ REGION	PER CAPITA (RS.)				
	TOTAL	TAX	NON-TAX	GRANTS	OTHERS
1	2	3	4	5	6
<b>SOUTH</b>					
ANKLESVAR	292.59	124.84	16.89	142.76	8.10
BARDOLI	118.23	102.82	13.39	2.02	0.00
BHARUCH	241.01	133.06	5.84	97.75	4.36
BILIMORA	153.50	74.71	11.18	67.28	0.33
DABHOI	166.71	87.49	4.47	69.74	5.01
DAHOD	131.73	89.61	4.89	31.49	5.74
GODHRA	191.99	64.37	5.42	108.47	13.72
JAMBUSAR	142.78	52.49	13.62	74.69	1.99
NAVSARI	242.96	147.71	6.53	80.06	8.66
PADRA	207.18	83.94	17.89	103.82	1.52
RAJPIPLA	255.00	107.79	6.74	135.70	4.76
SURAT	559.62	450.12	11.37	72.61	25.51
VADODARA	489.89	335.41	42.02	65.06	47.40
VALSAD	201.58	135.98	32.34	28.64	4.62
VYARA	167.89	96.02	11.19	12.67	48.01
<b>TOTAL</b>	<b>437.73</b>	<b>316.58</b>	<b>21.66</b>	<b>28.17</b>	<b>71.33</b>
<b>CENTRAL</b>					
AHMEDABAD	470.90	332.17	32.11	83.16	23.45
ANAND	263.86	143.46	27.38	70.88	22.13
BORSAD	114.55	60.03	14.39	31.42	8.71
DAHEBAM	116.96	83.80	15.83	14.29	3.04
DHOLKA	86.69	67.62	2.10	15.55	1.42
KAPADWANJ	304.52	82.83	109.09	68.43	44.16
KHAMBHAT	157.95	98.42	18.56	34.13	6.84
NADIAD	248.83	130.73	14.44	92.33	11.34
PETLAD	105.12	70.70	6.35	24.64	3.42
UMRETH	113.43	77.20	6.58	14.92	14.73
VIRAMGAM	119.66	75.22	19.60	24.05	0.79
<b>TOTAL</b>	<b>411.65</b>	<b>284.09</b>	<b>29.79</b>	<b>21.03</b>	<b>76.74</b>

CONTD...

1	2	3	4	5	6
<b>NORTH</b>					
DEESA	165.83	99.60	14.64	24.57	27.01
KADI	95.48	52.50	19.15	20.61	3.21
KALOL	139.84	95.92	6.31	30.25	7.36
MEHESANA	150.19	105.85	34.99	7.06	2.29
PALANPUR	496.12	102.90	285.68	100.96	6.58
PATAN	270.16	79.79	108.51	73.78	8.08
SIDHPUR	364.41	83.48	143.88	126.70	10.35
UNJHA	224.98	93.29	20.58	91.62	19.49
VISNAGAR	247.49	52.70	181.37	9.26	4.16
<b>TOTAL</b>	<b>245.82</b>	<b>88.00</b>	<b>95.05</b>	<b>9.04</b>	<b>53.73</b>
<b>SAURASHTRA</b>					
AMRELI	219.63	92.81	53.42	70.47	2.93
BAGASARA	114.76	87.25	4.21	21.32	1.98
BHAVNAGAR	239.66	161.24	22.39	52.98	3.05
BOTAD	129.61	62.08	2.38	64.03	1.11
DHORAJI	113.79	77.96	11.09	22.60	2.13
DHRANGADHRA	133.78	100.31	5.12	19.62	8.74
GONDAL	235.63	127.16	11.48	92.35	4.64
HIMMATNAGAR	120.86	89.07	2.92	15.89	12.98
JAMNAGAR	262.41	176.98	22.54	48.11	14.78
JETPUR	168.20	85.19	7.28	73.39	2.33
JUNAGADH	149.42	105.85	17.36	15.61	10.60
KESOD	101.23	90.99	2.66	3.71	3.88
KHAMBHALIYA	121.75	98.48	6.20	13.00	4.07
LIMBADI	130.51	98.38	6.34	23.97	1.83
MAHUVA	234.29	91.24	24.60	106.95	11.49
MANGROL	56.81	40.84	4.50	10.63	0.85
MODASA	110.15	68.23	6.04	33.43	2.45
MORVI	193.27	146.24	24.77	14.28	7.98
PALITANA	231.73	113.26	7.07	107.15	4.25
PORBANDAR	170.87	112.15	33.11	18.24	7.36
RAJKOT	294.45	200.81	5.33	60.54	27.77
SAVARKUNDLA	214.98	106.20	9.43	95.43	3.92
SURENDRANAGAR	195.45	106.95	3.44	81.78	3.28
UNA	160.76	103.62	1.91	4.76	50.46
UPLETA	161.46	81.26	22.73	29.50	27.98

CONTD..

1	2	3	4	5	6
VERAVALPATAN	123.17	82.65	22.81	15.09	2.62
WADHWAN	102.95	80.33	1.91	15.59	5.11
WANKANER	113.47	90.76	4.61	14.97	3.14
TOTAL	207.21	134.06	14.73	11.58	46.84
KUCHCHH					
ANJAR	265.85	127.93	17.90	114.56	5.46
BHUJ	184.81	129.86	11.59	35.70	7.66
GANDHIDHAM	142.61	117.63	5.64	16.75	2.58
MANDVI	106.30	83.24	7.67	11.73	3.67
TOTAL	171.54	118.61	9.93	4.96	38.04
GUJARAT	341.35	232.14	26.35	19.15	63.70

SOURCE: NIUA SURVEY, 1991

ANNEX B:10

MAJOR SOURCES OF TAX REVENUE OF MUNICIPAL BODIES  
ACCORDING TO SIZE CLASS OF CITIES, 1988-89

MUNICIPAL BODY/ SIZE CLASS	TAX INCOME ('000 RS.)								
	TOTAL	PROPERTY TAXES	OCTROI	SPECIAL WATER	SPECIAL SANITARY	VEHICLE TAX	THEATRE TAX	TOLL TAX	OTHER
1	2	3	4	5	6	7	8	9	10
<b>CLASS AA</b>									
AHMEDABAD	843,472	261,178	575,566			5,204	1,524		
% SHARE		30.96	68.24	0.00	0.00	0.62	0.18	0.00	0.00
BHAVNAGAR	63,434	23,006	39,840	315		178	95		
% SHARE		36.27	62.81	0.50	0.00	0.28	0.15	0.00	0.00
JAMNAGAR	64,069	23,496	40,277			208	88		
% SHARE		36.67	62.87	0.00	0.00	0.32	0.14	0.00	0.00
RAJKOT	122,339	29,258	92,706				375		
% SHARE		23.92	75.78	0.00	0.00	0.00	0.31	0.00	0.00
SURAT	520,913	101,928	411,494			1,849	905		4,737
% SHARE		19.57	78.99	0.00	0.00	0.35	0.17	0.00	0.91
VADODARA	354,084	136,875	215,313		119	1,302	475		
% SHARE		38.66	60.81	0.00	0.03	0.37	0.13	0.00	0.00
<b>TOTAL</b>	<b>1,968,311</b>	<b>575,741</b>	<b>1,375,196</b>	<b>315</b>	<b>119</b>	<b>8,741</b>	<b>3,462</b>		<b>4,737</b>
% SHARE		29.25	69.87	0.02	0.01	0.44	0.18	0.00	0.24
<b>CLASS A</b>									
BHARUCH	16,966	5,068	9,922	1,812		71	93		
% SHARE		29.87	58.48	10.68	0.00	0.42	0.55	0.00	0.00
JUNAGADH	14,941	2,893	11,986				62		
% SHARE		19.36	80.22	0.00	0.00	0.00	0.41	0.00	0.00
NADIAD	23,255	8,484	10,890	3,750		20	111		
% SHARE		36.48	46.83	16.13	0.00	0.09	0.48	0.00	0.00
NAVSARI	21,391	5,918	14,518	833		55	67		
% SHARE		27.67	67.87	3.89	0.00	0.26	0.31	0.00	0.00
PORBANDAR	14,836	2,684	12,098				54		
% SHARE		18.09	81.54	0.00	0.00	0.00	0.36	0.00	0.00

CONTD..

	1	2	3	4	5	6	7	8	9	10
VERAVALPATAN % SHARE		11,356	1,262 11.11	10,044 88.45	0.00	0.00	0.00	50 0.44	0.00	0.00
TOTAL % SHARE		102,745	26,309 25.61	69,458 67.60	6,395 6.22	0.00	146 0.14	437 0.43	0.00	0.00
CLASS B										
AMRELI % SHARE		7,001	973 13.90	5,192 74.16	822 11.74	0.00	5 0.07	9 0.13	0.00	0.00
ANAND % SHARE		15,931	4,761 29.89	9,128 57.30	1,873 11.76	0.00	106 0.67	63 0.40	0.00	0.00
BHUJ % SHARE		11,409	4,961 43.48	6,409 56.17	0.00	0.00	0.00	39 0.34	0.00	0.00
BOTAD % SHARE		4,460	298 6.68	4,153 93.12	0.00	0.00	0.00	9 0.20	0.00	0.00
DAHOD % SHARE		5,887	1,048 17.80	3,540 60.13	1,018 17.29	0.00	12 0.20	47 0.80	1 0.02	221 3.75
DHORAJI % SHARE		7,275	1,691 23.24	5,576 76.65	0.00	0.00	0.00	8 0.11	0.00	0.00
DHRANGADHRA % SHARE		6,177	756 12.24	4,954 80.20	431 6.98	0.00	1 0.02	35 0.57	0.00	0.00
GANDHIDHAM % SHARE		10,426	2,590 24.84	6,502 62.36	1,231 11.81	52 0.50	0.00	49 0.47	0.00	2 0.02
GODHRA % SHARE		6,777	2,490 36.74	3,140 46.33	1,072 15.82	0.00	32 0.47	43 0.63	0.00	0.00
GONDAL % SHARE		9,746	2,305 23.65	7,421 76.14	0.00	0.00	0.00	20 0.21	0.00	0.00
JETPUR % SHARE		7,393	2,028 27.43	4,544 61.46	794 10.74	0.00	0.00	27 0.37	0.00	0.00
KALOL % SHARE		8,731	1,671 19.14	6,643 76.09	379 4.34	0.00	11 0.13	24 0.27	3 0.03	0.00
KHAMBHAT % SHARE		7,348	3,043 41.41	3,746 50.98	423 5.76	1 0.01	9 0.12	54 0.73	3 0.04	69 0.94

CONTD..

1	2	3	4	5	6	7	8	9	10
MAHUVA % SHARE	6,249	460 7.36	5,552 88.85	216 3.46	0.00	1 0.02	20 0.32	0.00	0.00
MEHESANA % SHARE	10,167	2,722 26.77	6,528 64.21	831 8.17	0.00	23 0.23	62 0.61	1 0.01	0.00
MORVI % SHARE	12,428	3,463 27.86	8,920 71.77	0.00	0.00	14 0.11	31 0.25	0.00	0.00
PALANPUR % SHARE	8,508	2,571 30.22	4,794 56.35	1,070 12.58	0.00	25 0.29	31 0.36	0.00	17 0.20
PATAN % SHARE	7,445	1,722 23.13	3,311 44.47	2,329 31.28	0.00	14 0.19	61 0.82	8 0.11	0.00
SIDHPUR % SHARE	5,291	861 16.27	3,841 72.59	575 10.87	0.00	4 0.08	10 0.19	0.00	0.00
SURENDRANAGAR % SHARE	12,144	2,565 21.12	9,546 78.61	0.00	0.00	2 0.02	31 0.26	0.00	0.00
UPLETA % SHARE	6,349	1,590 25.04	4,731 74.52	0.00	0.00	0.00	28 0.44	0.00	0.00
VALSAD % SHARE	8,774	1,796 20.47	6,519 74.30	418 4.76	0.00	10 0.11	29 0.33	2 0.02	0.00
TOTAL % SHARE	185,916	46,365 24.94	124,690 67.07	13,482 7.25	53 0.03	269 0.14	730 0.39	18 0.01	309 0.17
CLASS C									
ANJAR % SHARE	5,081	718 14.13	3,571 70.28	764 15.04	0.00	0.00	28 0.55	0.00	0.00
ANKLESVAR % SHARE	6,090	1,305 21.43	4,349 71.41	406 6.67	0.00	13 0.21	17 0.28	0.00	0.00
BAGASARA % SHARE	2,341	121 5.17	2,144 91.58	72 3.08	0.00	1 0.04	3 0.13	0.00	0.00
BARDOLI % SHARE	3,916	1,101 28.12	2,803 71.58	0.00	0.00	0.00	12 0.31	0.00	0.00
BILIMORA % SHARE	4,911	889 18.10	3,778 76.93	211 4.30	0.00	19 0.39	13 0.26	1 0.02	0.00
BORSAD % SHARE	2,791	714 25.58	1,809 64.82	247 8.85	0.00	10 0.36	8 0.29	3 0.11	0.00

CONTD..

	1	2	3	4	5	6	7	8	9	10
DABHOI % SHARE		4,402	1,616 36.71	2,730 62.02	16 0.36	0.00	17 0.39	10 0.23	2 0.05	11 0.25
DAHEBAM % SHARE		2,727	695 25.49	1,832 67.18	189 6.93	0.00	0.00	11 0.40	0.00	0.00
DEESA % SHARE		5,667	1,444 25.48	4,209 74.27	0.00	0.00	0.00	14 0.25	0.00	0.00
DHOLKA % SHARE		3,570	965 27.03	2,232 62.52	357 10.00	0.00	2 0.06	13 0.36	1 0.03	0.00
HIMMATNAGAR % SHARE		5,394	1,727 32.02	3,541 65.65	108 2.00	0.00	0.00	18 0.33	0.00	0.00
JAMBUSAR % SHARE		1,688	361 21.39	1,089 64.51	229 13.57	0.00	0.00	9 0.53	0.00	0.00
KADI % SHARE		2,157	132 6.12	1,598 74.08	414 19.19	0.00	3 0.14	10 0.46	0.00	0.00
KAPADWANJ % SHARE		3,245	1,009 31.09	2,210 68.10	0.00	0.00	12 0.37	11 0.34	3 0.09	0.00
KESOD % SHARE		4,316	164 3.80	4,152 96.20	0.00	0.00	0.00	0.00	0.00	0.00
KHAMBHALIYA % SHARE		3,243	201 6.20	3,029 93.40	0.00	0.00	0.00	13 0.40	0.00	0.00
LIMBADI % SHARE		3,555	441 12.41	2,917 82.05	171 4.81	0.00	4 0.11	22 0.62	0.00	0.00
MANDVI % SHARE		2,996	1,028 34.31	1,950 65.09	0.00	0.00	0.00	18 0.60	0.00	0.00
MANGROL % SHARE		1,933	6 0.31	1,753 90.69	171 8.85	0.00	0.00	3 0.16	0.00	0.00
MODASA % SHARE		2,894	518 17.90	2,133 73.70	218 7.53	0.00	5 0.17	20 0.69	0.00	0.00
PADRA % SHARE		2,482	667 26.87	1,511 60.88	289 11.64	0.00	6 0.24	9 0.36	0.00	0.00
PALITANA % SHARE		4,692	628 13.38	3,749 79.90	307 6.54	0.00	3 0.06	5 0.11	0.00	0.00

CONTD..



1	2	3	4	5	6	7	8	9	10
PETLAD % SHARE	3,819	1,077 28.20	2,478 64.89	231 6.05	1 0.03	3 0.08	29 0.76	0.00	0.00
RAJPIPLA % SHARE	3,484	617 17.71	2,544 73.02	265 7.61	0.00	14 0.40	44 1.26	0.00	0.00
SAVARKUNDLA % SHARE	6,558	980 14.94	5,301 80.83	254 3.87	0.00	2 0.03	21 0.32	0.00	0.00
UMRETH % SHARE	2,474	894 36.14	1,330 53.76	238 9.62	0.00	0.00	12 0.49	0.00	0.00
UNA % SHARE	3,850	0.00	3,710 96.36	121 3.14	0.00	1 0.03	18 0.47	0.00	0.00
UNJHA % SHARE	4,575	1,937 42.34	1,711 37.40	899 19.65	0.00	18 0.39	9 0.20	1 0.02	0.00
VIRAMGAM % SHARE	3,926	1,410 35.91	2,465 62.79	0.00	0.00	7 0.18	38 0.97	6 0.15	0.00
VISNAGAR % SHARE	3,101	942 30.38	1,540 49.66	573 18.48	14 0.45	5 0.16	27 0.87	0.00	0.00
VYARA % SHARE	2,788	259 9.29	2,165 77.65	346 12.41	0.00	7 0.25	8 0.29	3 0.11	0.00
WADHWAN % SHARE	3,776	602 15.94	2,895 76.67	277 7.34	0.00	1 0.03	1 0.03	0.00	0.00
WANKANER % SHARE	3,268	813 24.88	2,450 74.97	0.00	0.00	0.00	5 0.15	0.00	0.00
TOTAL % SHARE	121,710	25,981 21.35	87,678 72.04	7,373 6.06	15 0.01	153 0.13	479 0.39	20 0.02	11 0.01
GUJARAT % SHARE	2,378,682	674,396 28.35	1,657,022 69.66	27,565 1.16	187 0.01	9,309 0.39	5,108 0.21	38 0.00	5,057 0.21

SOURCE: NIUA SURVEY, 1991

ANNEX B:11

MAJOR SOURCES OF TAX REVENUE OF MUNICIPAL BODIES  
ACCORDING TO REGIONS, 1988-89

MUNICIPAL BODY/ REGION	TAX INCOME ('000 RS.)								
	TOTAL	PROPERTY TAXES	OCTROI	SPECIAL WATER	SPECIAL SANITARY	VEHICLE TAX	THEATRE TAX	TOLL TAX	OTHER
1	2	3	4	5	6	7	8	9	10
SOUTH									
ANKLESVAR % SHARE	6,090	1,305 21.43	4,349 71.41	406 6.67	0.00	13 0.21	17 0.28	0.00	0.00
BARDOLI % SHARE	3,916	1,101 28.12	2,803 71.58	0.00	0.00	0.00	12 0.31	0.00	0.00
BHARUCH % SHARE	16,966	5,068 29.87	9,922 58.48	1,812 10.68	0.00	71 0.42	93 0.55	0.00	0.00
BILIMORA % SHARE	4,911	889 18.10	3,778 76.93	211 4.30	0.00	19 0.39	13 0.26	1 0.02	0.00
DABHOI % SHARE	4,402	1,616 36.71	2,730 62.02	16 0.36	0.00	17 0.39	10 0.23	2 0.05	11 0.25
DAHOD % SHARE	5,887	1,048 17.80	3,540 60.13	1,018 17.29	0.00	12 0.20	47 0.80	1 0.02	221 3.75
GODHRA % SHARE	6,777	2,490 36.74	3,140 46.33	1,072 15.82	0.00	32 0.47	43 0.63	0.00	0.00
JAMBUSAR % SHARE	1,688	361 21.39	1,089 64.51	229 13.57	0.00	0.00	9 0.53	0.00	0.00
NAVSARI % SHARE	21,391	5,918 27.67	14,518 67.87	833 3.89	0.00	55 0.26	67 0.31	0.00	0.00
PADRA % SHARE	2,482	667 26.87	1,511 60.88	289 11.64	0.00	6 0.24	9 0.36	0.00	0.00
RAJPIPLA % SHARE	3,484	617 17.71	2,544 73.02	265 7.61	0.00	14 0.40	44 1.26	0.00	0.00
SURAT % SHARE	520,913	101,928 19.57	411,494 78.99	0.00	0.00	1,849 0.35	905 0.17	0.00	4,737 0.91
VADODARA % SHARE	354,084	136,875 38.66	215,313 60.81	0.00	119 0.03	1,302 0.37	475 0.13	0.00	0.00

CONTD....

	1	2	3	4	5	6	7	8	9	10
VALSAD % SHARE		8,774	1,796 20.47	6,519 74.30	418 4.76	0.00	10 0.11	29 0.33	2 0.02	0.00
VYARA % SHARE		2,788	259 9.29	2,165 77.65	346 12.41	0.00	7 0.25	8 0.29	3 0.11	0.00
TOTAL % SHARE		964,553	261,938 27.16	685,415 71.06	6,915 0.72	119 0.01	3,407 0.35	1,781 0.18	9 0.00	4,969 0.52
CENTRAL										
AHMEDABAD % SHARE		843,472	261,178 30.96	575,566 68.24	0.00	0.00	5,204 0.62	1,524 0.18	0.00	0.00
ANAND % SHARE		15,931	4,761 29.89	9,128 57.30	1,873 11.76	0.00	106 0.67	63 0.40	0.00	0.00
BORSAD % SHARE		2,791	714 25.58	1,809 64.82	247 8.85	0.00	10 0.36	8 0.29	3 0.11	0.00
DAHEBAM % SHARE		2,727	695 25.49	1,832 67.18	189 6.93	0.00	0.00	11 0.40	0.00	0.00
DHOLKA % SHARE		3,570	965 27.03	2,232 62.52	357 10.00	0.00	2 0.06	13 0.36	1 0.03	0.00
KAPADWANJ % SHARE		3,245	1,009 31.09	2,210 68.10	0.00	0.00	12 0.37	11 0.34	3 0.09	0.00
KHAMBHAT % SHARE		7,348	3,043 41.41	3,746 50.98	423 5.76	1 0.01	9 0.12	54 0.73	3 0.04	69 0.94
NADIAD % SHARE		23,255	8,484 36.48	10,890 46.83	3,750 16.13	0.00	20 0.09	111 0.48	0.00	0.00
PETLAD % SHARE		3,819	1,077 28.20	2,478 64.89	231 6.05	1 0.03	3 0.08	29 0.76	0.00	0.00
UMRETH % SHARE		2,474	894 36.14	1,330 53.76	238 9.62	0.00	0.00	12 0.49	0.00	0.00
VIRAMGAM % SHARE		3,926	1,410 35.91	2,465 62.79	0.00	0.00	7 0.18	38 0.97	6 0.15	0.00
TOTAL % SHARE		912,558	284,230 31.15	613,686 67.25	7,308 0.80	2 0.00	5,373 0.59	1,874 0.21	16 0.00	69 0.01

CONTD....

1	2	3	4	5	6	7	8	9	10
NORTH									
DEESA % SHARE	5,667	1,444 25.48	4,209 74.27	0.00	0.00	0.00	14 0.25	0.00	0.00
KADI % SHARE	2,157	132 6.12	1,598 74.08	414 19.19	0.00	3 0.14	10 0.46	0.00	0.00
KALOL % SHARE	8,731	1,671 19.14	6,643 76.09	379 4.34	0.00	11 0.13	24 0.27	3 0.03	0.00
MEHSANA % SHARE	10,167	2,722 26.77	6,528 64.21	831 8.17	0.00	23 0.23	62 0.61	1 0.01	0.00
PALANPUR % SHARE	8,508	2,571 30.22	4,794 56.35	1,070 12.58	0.00	25 0.29	31 0.36	0.00	17 0.20
PATAN % SHARE	7,445	1,722 23.13	3,311 44.47	2,329 31.28	0.00	14 0.19	61 0.82	8 0.11	0.00
SIDHPUR % SHARE	5,291	861 16.27	3,841 72.59	575 10.87	0.00	4 0.08	10 0.19	0.00	0.00
UNJHA % SHARE	4,575	1,937 42.34	1,711 37.40	899 19.65	0.00	18 0.39	9 0.20	1 0.02	0.00
VISNAGAR % SHARE	3,101	942 30.38	1,540 49.66	573 18.48	14 0.45	5 0.16	27 0.87	0.00	0.00
TOTAL % SHARE	55,642	14,002 25.16	34,175 61.42	7,070 12.71	14 0.03	103 0.19	248 0.45	13 0.02	17 0.03
SAURASHTRA									
AMRELI % SHARE	7,001	973 13.90	5,192 74.16	822 11.74	0.00	5 0.07	9 0.13	0.00	0.00
BAGASARA % SHARE	2,341	121 5.17	2,144 91.58	72 3.08	0.00	1 0.04	3 0.13	0.00	0.00
BHAVNAGAR % SHARE	63,434	23,006 36.27	39,840 62.81	315 0.50	0.00	178 0.28	95 0.15	0.00	0.00
BOTAD % SHARE	4,460	298 6.68	4,153 93.12	0.00	0.00	0.00	9 0.20	0.00	0.00
DHORAJI % SHARE	7,275	1,691 23.24	5,576 76.65	0.00	0.00	0.00	8 0.11	0.00	0.00

CONTD....

1	2	3	4	5	6	7	8	9	10
DHRANGADHRA % SHARE	6,177	756 12.24	4,954 80.20	431 6.98	0.00	1 0.02	35 0.57	0.00	0.00
GONDAL % SHARE	9,746	2,305 23.65	7,421 76.14	0.00	0.00	0.00	20 0.21	0.00	0.00
HIMMATNAGAR % SHARE	5,394	1,727 32.02	3,541 65.65	108 2.00	0.00	0.00	18 0.33	0.00	0.00
JAMNAGAR % SHARE	64,069	23,496 36.67	40,277 62.87	0.00	0.00	208 0.32	88 0.14	0.00	0.00
JETPUR % SHARE	7,393	2,028 27.43	4,544 61.46	794 10.74	0.00	0.00	27 0.37	0.00	0.00
JUNAGADH % SHARE	14,941	2,893 19.36	11,986 80.22	0.00	0.00	0.00	62 0.41	0.00	0.00
KESOD % SHARE	4,316	164 3.80	4,152 96.20	0.00	0.00	0.00	0.00	0.00	0.00
KHAMBHALIYA % SHARE	3,243	201 6.20	3,029 93.40	0.00	0.00	0.00	13 0.40	0.00	0.00
LIMBADI % SHARE	3,555	441 12.41	2,917 82.05	171 4.81	0.00	4 0.11	22 0.62	0.00	0.00
MAHUVA % SHARE	6,249	460 7.36	5,552 88.85	216 3.46	0.00	1 0.02	20 0.32	0.00	0.00
MANGROL % SHARE	1,933	6 0.31	1,753 90.69	171 8.85	0.00	0.00	3 0.16	0.00	0.00
MODASA % SHARE	2,894	518 17.90	2,133 73.70	218 7.53	0.00	5 0.17	20 0.69	0.00	0.00
MORVI % SHARE	12,428	3,463 27.86	8,920 71.77	0.00	0.00	14 0.11	31 0.25	0.00	0.00
PALITANA % SHARE	4,692	628 13.38	3,749 79.90	307 6.54	0.00	3 0.06	5 0.11	0.00	0.00
PORBANDAR % SHARE	14,836	2,684 18.09	12,098 81.54	0.00	0.00	0.00	54 0.36	0.00	0.00
RAJKOT % SHARE	122,339	29,258 23.92	92,706 75.78	0.00	0.00	0.00	375 0.31	0.00	0.00
SAVARKUNDLA % SHARE	6,558	980 14.94	5,301 80.83	254 3.87	0.00	2 0.03	21 0.32	0.00	0.00

CONTD....

Research Study Series  
Number 55

# Urban Development Strategy for the State of Gujarat

Vol. III

Case Studies and Annexures

(Prepared for the Urban Development and  
Urban Housing Department,  
Government of Gujarat)

V III - III

National Institute of Urban Affairs  
New Delhi  
December 1993

1	2	3	4	5	6	7	8	9	10
SURENDRANAGAR % SHARE	12,144	2,565 21.12	9,546 78.61	0.00	0.00	2 0.02	31 0.26	0.00	0.00
UNA % SHARE	3,850	0.00	3,710 96.36	121 3.14	0.00	1 0.03	18 0.47	0.00	0.00
UPLETA % SHARE	6,349	1,590 25.04	4,731 74.52	0.00	0.00	0.00	28 0.44	0.00	0.00
VERAVALPATAN % SHARE	11,356	1,262 11.11	10,044 88.45	0.00	0.00	0.00	50 0.44	0.00	0.00
WADHWAN % SHARE	3,776	602 15.94	2,895 76.67	277 7.34	0.00	1 0.03	1 0.03	0.00	0.00
WANKANER % SHARE	3,268	813 24.88	2,450 74.97	0.00	0.00	0.00	5 0.15	0.00	0.00
TOTAL % SHARE	416,017	104,929 25.22	305,314 73.39	4,277 1.03	0.00	426 0.10	1,071 0.26	0.00	0.00
KUCHCHH									
ANJAR % SHARE	5,081	718 14.13	3,571 70.28	764 15.04	0.00	0.00	28 0.55	0.00	0.00
BHUJ % SHARE	11,409	4,961 43.48	6,409 56.17	0.00	0.00	0.00	39 0.34	0.00	0.00
GANDHIDHAM % SHARE	10,426	2,590 24.84	6,502 62.36	1,231 11.81	52 0.50	0.00	49 0.47	0.00	2 0.02
MANDVI % SHARE	2,996	1,028 34.31	1,950 65.09	0.00	0.00	0.00	18 0.60	0.00	0.00
TOTAL % SHARE	29,912	9,297 31.08	18,432 61.62	1,995 6.67	52 0.17	0.00	134 0.45	0.00	2 0.01
GUJARAT % SHARE	2,378,682	674,396 28.35	1,657,022 69.66	27,565 1.16	187 0.01	9,309 0.39	5,108 0.21	38 0.00	5,057 0.21

SOURCE: NIUA SURVEY, 1991

ANNEX B:12

DEMAND AND COLLECTION OF TAXES OF MUNICIPAL BODIES  
ACCORDING TO SIZE CLASS OF CITIES, 1988-89

('000 RS.)			
MUNICIPAL BODY/ SIZE CLASS	PROJECTED DEMAND	ACTUAL COLLECTION	% COLLEC- TION TO DEMAND
1	2	3	4
<b>CLASS AA</b>			
AHMEDABAD	1,070,300	268,100	25.05
BHAVNAGAR	-	-	0.00
JAMNAGAR	44,781	23,792	53.13
RAJKOT	63,169	29,629	46.90
SURAT	286,170	199,418	69.69
VADODARA	184,075	107,312	58.30
<b>TOTAL</b>	<b>1,648,495</b>	<b>628,251</b>	<b>38.11</b>
<b>CLASS A</b>			
BHARUCH	12,862	7,043	54.76
JUNAGADH	13,784	2,955	21.44
NADIAD	21,195	12,365	58.34
NAVSARI	6,911	6,743	97.57
PORBANDAR	3,664	2,737	74.70
VERAVALPATAN	7,949	2,345	29.50
<b>TOTAL</b>	<b>66,365</b>	<b>34,188</b>	<b>51.52</b>
<b>CLASS B</b>			
AMRELI	6,317	1,810	28.65
ANAND	15,131	10,520	69.53
BHUJ	5,906	4,999	84.64
BOTAD	1,806	307	17.00
DAHOD	-	-	0.00
DHORAJI	4,491	1,699	37.83
DHRANGADHRA	1,754	1,224	69.78
GANDHIDHAM	8,019	3,925	48.95
GODHRA	7,719	3,638	47.13
GONDAL	2,777	1,355	48.79

CONTD.....



1	2	3	4
JETPUR	4,543	2,849	62.71
KALOL	9,755	2,088	21.40
KHAMBHAT	9,644	7,347	76.18
MAHUVA	3,088	698	22.60
MEHESANA	7,073	3,641	51.48
MORVI	6,041	3,509	58.09
PALANPUR	5,624	3,714	66.04
PATAN	6,782	4,135	60.97
SIDHPUR	3,096	1,390	44.90
SURENDRANAGAR	11,756	2,598	22.10
UPLETA	2,187	1,617	73.94
VALSAD	2,502	2,257	90.21
TOTAL	126,011	65,320	51.84
CLASS C			
ANJAR	1,698	1,511	88.99
ANKLESVAR	2,343	1,741	74.31
BAGASARA	1,317	197	14.96
BARDOLI	2,005	1,113	55.51
BILIMORA	1,661	1,135	68.33
BORSAD	1,647	980	59.50
DABHOI	2,235	1,686	75.44
DAHEBAM	1,838	886	48.20
DEESA	3,782	1,458	38.55
DHOLKA			0.00
HIMMATNAGAR	5,605	1,954	34.86
JAMBUSAR	1,999	599	29.96
KADI	3,355	1,432	42.68
KAPADWANJ	2,485	1,192	47.97
KESOD	2,315	276	11.92
KHAMBHALIYA	689	215	31.20
LIMBADI	1,674	639	38.17
MANDVI	1,152	1,047	90.89
MANGROL	475	181	38.11
MODASA	1,199	762	63.55
PADRA	1,850	971	52.49
PALITANA	3,165	943	29.79
PETLAD	3,567	1,342	37.62
RAJPIPLA	1,474	940	63.77
SAVARKUNDLA	3,427	1,258	36.71
UMRETH	3,077	1,143	37.15

CONTD....

1	2	3	4
UNA	421	147	34.92
UNJHA	3,962	2,864	72.29
VIRAMGAM	2,698	1,460	54.11
VISNAGAR	4,264	1,561	36.61
VYARA	740	623	84.19
WADHWAN	3,572	881	24.66
WANKANER	1,939	855	44.09
TOTAL	73,630	33,992	46.17
GUJARAT	1,914,501	761,751	39.79

SOURCE: NIUA SURVEY, 1991

ANNEX B:13

DEMAND AND COLLECTION OF TAXES OF MUNICIPAL BODIES  
ACCORDING TO REGIONS, 1988-89

('000 RS.)			
MUNICIPAL BODY/ REGION	DEMAND	ACTUAL COLLECTION	% COLLEC- TION TO DEMAND
1	2	3	4
<b>SOUTH</b>			
ANKLESVAR	2,343	1,741	74.31
BARDOLI	2,005	1,113	55.51
BHARUCH	12,862	7,043	54.76
BILIMORA	1,661	1,135	68.33
DABHOI	2,235	1,686	75.44
DAHOD			0.00
GODHRA	7,719	3,638	47.13
JAMBUSAR	1,999	599	29.96
NAVSARI	6,911	6,743	97.57
PADRA	1,850	971	52.49
RAJPIPLA	1,474	940	63.77
SURAT	286,170	199,418	69.69
VADODARA	184,075	107,312	58.30
VALSAD	2,502	2,257	90.21
VYARA	740	623	84.19
<b>TOTAL</b>	<b>514,546</b>	<b>335,219</b>	<b>65.15</b>
<b>CENTRAL</b>			
AHMEDABAD	1,070,300	268,100	25.05
ANAND	15,131	10,520	69.53
BORSAD	1,647	980	59.50
DAHEBAM	1,838	886	48.20
DHOLKA			0.00
KAPADWANJ	2,485	1,192	47.97
KHAMBHAT	9,644	7,347	76.18
NADIAD	21,195	12,365	58.34
PETLAD	3,567	1,342	37.62
UMRETH	3,077	1,143	37.15
VIRAMGAM	2,698	1,460	54.11
<b>TOTAL</b>	<b>1,131,582</b>	<b>305,335</b>	<b>26.98</b>

CONTD...

1	2	3	4
<b>NORTH</b>			
DEESA	3,782	1,458	38.55
KADI	3,355	1,432	42.68
KALOL	9,755	2,088	21.40
MEHSANA	7,073	3,641	51.48
PALANPUR	5,624	3,714	66.04
PATAN	6,782	4,135	60.97
SIDHPUR	3,096	1,390	44.90
UNJHA	3,962	2,864	72.29
VISNAGAR	4,264	1,561	36.61
<b>TOTAL</b>	<b>47,693</b>	<b>22,283</b>	<b>46.72</b>
<b>SAURASHTRA</b>			
AMRELI	6,317	1,810	28.65
BAGASARA	1,317	197	14.96
BHAVNAGAR			0.00
BOTAD	1,806	307	17.00
DHORAJI	4,491	1,699	37.83
DHRANGADHRA	1,754	1,224	69.78
GONDAL	2,777	1,355	48.79
HIMMATNAGAR	5,605	1,954	34.86
JAMNAGAR	44,781	23,792	53.13
JETPUR	4,543	2,849	62.71
JUNAGADH	13,784	2,955	21.44
KESOD	2,315	276	11.92
KHAMBHALIYA	689	215	31.20
LIMBADI	1,674	639	38.17
MAHUVA	3,088	698	22.60
MANGROL	475	181	38.11
MODASA	1,199	762	63.55
MORVI	6,041	3,509	58.09
PALITANA	3,165	943	29.79
PORBANDAR	3,664	2,737	74.70
RAJKOT	63,169	29,629	46.90
SAVARKUNDLA	3,427	1,258	36.71
SURENDRANAGAR	11,756	2,598	22.10
UNA	421	147	34.92
UPLETA	2,187	1,617	73.94

CONTD...

1	2	3	4
VERAVALPATAN	7,949	2,345	29.50
WADHWAN	3,572	881	24.66
WANKANER	1,939	855	44.09
TOTAL	203,905	87,432	42.88
KUCHCHH			
ANJAR	1,698	1,511	88.99
BHUJ	5,906	4,999	84.64
GANDHIDHAM	8,019	3,925	48.95
MANDVI	1,152	1,047	90.89
TOTAL	16,775	11,482	68.45
GUJARAT	1,914,501	761,751	39.79

SOURCE: NIUA SURVEY, 1991

ANNEX B:14

STATEMENT OF REVENUE INCOME AND EXPENDITURE OF MUNICIPAL BODIES  
ACCORDING TO SIZE CLASS OF CITIES, 1984-85 AND 1988-89  
(AT CURRENT PRICES)

MUNICIPAL BODY/ SIZE CLASS	INCOME ('000 RS.)		EXPENDITURE ('000 RS)		INCOME - EXPENDITURE DIFFERENTIAL		PER CAPITA (RS.)			
	1984-85	1988-89	1984-85	1988-89	1984-85	1988-89	INCOME		EXPENDITURE	
							1984-85	1988-89	1984-85	1988-89
1	2	3	4	5	6	7	8	9	10	11
CLASS AA										
AHMEDABAD	694,202	1,195,747	773,388	1,380,812	79,186	185,065	303.55	470.90	338.17	543.78
BHAVNAGAR	55,794	94,287	50,017	90,763	5,777	3,524	160.51	239.66	143.89	230.70
JAMNAGAR	53,025	94,994	48,587	93,571	4,438	1,423	167.17	262.41	153.18	258.47
RAJKOT	86,996	179,385	69,889	157,638	17,107	21,747	167.07	294.45	134.22	258.75
SURAT	279,562	647,638	207,665	446,954	71,897	200,684	294.89	559.62	219.05	386.21
VADODARA	282,320	517,161	244,275	375,784	38,045	141,377	320.62	489.89	277.41	355.97
TOTAL	1,451,899	2,729,212	1,393,821	2,545,522	58,078	183,690	273.89	446.18	262.93	416.15
CLASS A										
BHARUCH	18,631	30,730	19,491	32,471	860	1,741	157.27	241.01	164.53	254.66
JUNAGADH	16,259	21,092	16,667	21,916	408	824	125.64	149.42	128.79	155.26
NADIAD	30,037	44,265	24,321	36,994	5,716	7,271	188.54	248.83	152.66	207.96
NAVSARI	20,325	35,184	17,489	22,909	2,836	12,275	163.44	242.96	140.63	158.19
PORBANDAR	14,970	22,603	15,145	24,694	175	2,091	121.28	170.87	122.70	186.68
VERAVALPATAN	10,673	16,923	9,785	15,759	888	1,164	88.73	123.17	81.35	114.70
TOTAL	110,895	170,797	102,898	154,743	7,997	16,054	143.04	198.36	132.73	179.71
CLASS B										
AMRELI	6,353	16,568	7,128	16,404	775	164	97.23	219.63	109.09	217.45
ANAND	22,420	29,301	19,610	27,983	2,810	1,318	232.22	263.86	203.12	251.99
BHUJ	11,807	16,236	7,820	14,373	3,987	1,863	150.89	184.81	99.94	163.60
BOTAD	6,360	9,311	6,710	9,925	350	614	105.83	129.61	111.65	138.16
DAHOD	5,283	8,654	5,584	8,964	301	310	87.68	131.73	92.68	136.44
DHORAJI	7,589	10,618	6,294	6,151	1,295	4,467	89.79	113.79	74.47	65.92
DHRANGADHRA	4,390	8,238	4,410	7,145	20	1,093	78.12	133.78	78.48	116.03
GANDHIDHAM	5,882	12,640	5,786	11,775	96	865	79.72	142.61	78.42	132.85
GODHRA	9,642	20,214	12,561	18,408	2,919	1,806	101.46	191.99	132.17	174.83
GONDAL	11,284	18,060	10,010	15,661	1,274	2,399	158.54	235.63	140.64	204.33

CONTD...

1	2	3	4	5	6	7	8	9	10	11
JETPUR	10,581	14,596	10,175	13,557	406	1,039	143.33	168.20	137.83	156.22
KALOL	12,082	12,729	11,300	12,182	782	547	151.42	139.84	141.62	133.83
KHAMBHAT	7,079	11,793	9,094	12,821	2,015	1,028	98.78	157.95	126.89	171.72
MAHUVA	10,408	16,046	10,601	16,127	193	81	171.74	234.29	174.93	235.48
MEHESANA	7,517	14,426	6,819	13,389	698	1,037	89.85	150.19	81.51	139.39
MORVI	9,053	16,425	8,341	16,450	712	25	114.68	193.27	105.66	193.56
PALANPUR	7,716	41,019	7,589	35,270	127	5,749	108.42	496.12	106.63	426.58
PATAN	10,424	25,208	18,041	27,799	7,617	2,591	121.26	270.16	209.87	297.93
SIDHPUR	7,144	23,096	6,827	19,464	317	3,632	124.50	364.41	118.97	307.10
SURENDRANAGAR	15,509	22,194	16,678	20,390	1,169	1,804	153.74	195.45	165.33	179.57
UPLETA	8,262	12,616	8,447	8,157	185	4,459	126.14	161.46	128.96	104.39
VALSAD	9,548	13,007	9,347	12,866	201	141	161.73	201.58	158.32	199.40
TOTAL	206,333	372,995	209,172	345,261	2,839	27,734	126.62	203.28	128.36	188.16
CLASS C										
ANJAR	5,547	10,559	5,252	10,775	295	216	151.79	265.85	143.72	271.29
ANKLESVAR	7,662	14,273	7,056	16,308	606	2,035	182.53	292.59	168.09	334.31
BAGASARA		3,079		3,164		85	0.00	114.76	0.00	117.93
BARDOLI		4,503		2,481		2,022	0.00	118.23	0.00	65.14
BILIMORA	5,791	10,091	11,191	10,284	5,400	193	107.98	153.50	208.67	156.44
BORSAD	3,449	5,326	5,871	4,639	2,422	687	81.33	114.55	138.43	99.77
DABHOI	5,949	8,388	8,403	10,074	2,454	1,686	125.93	166.71	177.88	200.22
DAHEBAM		3,806		2,529		1,277	0.00	116.96	0.00	77.72
DEESA	6,744	9,435	8,788	21,799	2,044	12,364	138.41	165.83	180.36	383.14
DHOLKA	2,628	4,577	3,445	5,829	817	1,252	54.36	86.69	71.26	110.40
HIMMATNAGAR		7,319		6,459		860	0.00	120.86	0.00	106.66
JAMBUSAR		4,592		2,781		1,811	0.00	142.78	0.00	86.47
KADI	3,164	3,923	2,327	4,498	837	575	83.92	95.48	61.72	109.47
KAPADWANJ	7,382	11,930	6,971	10,722	411	1,208	198.85	304.52	187.78	273.68
KESOD		4,802		3,472		1,330	0.00	101.23	0.00	73.19
KHAMBHALIYA		4,009		4,092		83	0.00	121.75	0.00	124.27
LIMBADI	5,321	4,716	5,612	7,131	291	2,415	159.16	130.51	167.87	197.34
MANDVI	2,587	3,826	2,744	4,595	157	769	76.09	106.30	80.71	127.67
MANGROL	1,922	2,689	2,240	2,716	318	27	45.93	56.81	53.53	57.38
MCDASA		4,672		3,254		1,418	0.00	110.15	0.00	76.72
PADRA		6,126		5,804		322	0.00	207.18	0.00	196.29
PALITANA	6,124	9,600	6,656	11,690	532	2,090	162.11	231.73	176.19	282.18
PETLAD	4,527	5,678	5,601	5,807	1,074	129	89.83	105.12	111.14	107.51
RAJPIPLA	5,435	8,242	5,675	8,806	240	564	176.83	255.00	184.64	272.45
SAVARKUNDLA	7,775	13,275	7,414	18,706	361	5,431	140.29	214.98	133.78	302.94

CONTD...

1	2	3	4	5	6	7	8	9	10	11
UMRETH	2,765	3,635	1,425	2,574	1,340	1,061	91.82	113.43	47.32	80.32
UNA		5,973		686		5,287	0.00	160.76	0.00	18.46
UNJHA	6,563	11,033	5,395	12,686	1,168	1,653	152.59	224.98	125.43	258.69
VIRAMGAM	5,557	6,245	5,590	6,810	33	565	110.71	119.66	111.37	130.48
VISNAGAR	4,026	14,564	9,436	13,873	5,410	691	76.86	247.49	180.13	235.75
VYARA		4,875		3,299		1,576	0.00	167.89	0.00	113.61
WADHWAN	2,472	4,839	4,930	5,968	2,458	1,129	57.86	102.95	115.39	126.97
WANKANER	2,244	4,086	2,536	4,251	292	165	65.90	113.47	74.48	118.06
TOTAL	105,634	224,686	124,558	238,562	18,924	13,876	82.01	156.70	96.70	166.38
GUJARAT	1,874,761	3,497,690	1,830,449	3,284,088	44,312	213,602	208.45	341.35	203.52	320.50

SOURCE: NIUA SURVEY, 1991



ANNEX B:15

STATEMENT OF REVENUE INCOME AND EXPENDITURE OF MUNICIPAL BODIES  
ACCORDING TO REGIONS, 1984-85 AND 1988-89  
(AT CURRENT PRICES)

MUNICIPAL BODY/ REGION	INCOME ('000 RS.)		EXPENDITURE ('000 RS)		INCOME - EXPENDITURE DIFFERENTIAL		PER CAPITA (RS.)			
	1984-85	1988-89	1984-85	1988-89	1984-85	1988-89	INCOME		EXPENDITURE	
							1984-85	1988-89	1984-85	1988-89
1	2	3	4	5	6	7	8	9	10	11
SOUTH										
ANKLESVAR	7,662	14,273	7,056	16,308	606	2,035	182.53	292.59	168.09	334.31
BARDOLI		4,503		2,481		2,022	0.00	118.23	0.00	65.14
BHARUCH	18,631	30,730	19,491	32,471	860	1,741	157.27	241.01	164.53	254.66
BILIMORA	5,791	10,091	11,191	10,284	5,400	193	107.98	153.50	208.67	156.44
DABHOI	5,949	8,388	8,403	10,074	2,454	1,686	125.93	166.71	177.88	200.22
DAHOD	5,283	8,654	5,584	8,964	301	310	87.68	131.73	92.68	136.44
GODHRA	9,642	20,214	12,561	18,408	2,919	1,806	101.46	191.99	132.17	174.83
JAMBUSAR		4,592		2,781		1,811	0.00	142.78	0.00	86.47
NAVSARI	20,325	35,184	17,489	22,909	2,836	12,275	163.44	242.96	140.63	158.19
PADRA		6,126		5,804		322	0.00	207.18	0.00	196.29
RAJPIPLA	5,435	8,242	5,675	8,806	240	564	176.83	255.00	184.64	272.45
SURAT	279,562	647,638	207,665	446,954	71,897	200,684	294.89	559.62	219.05	386.21
VADODARA	282,320	517,161	244,275	375,784	38,045	141,377	320.62	489.89	277.41	355.97
VALSAD	9,548	13,007	9,347	12,866	201	141	161.73	201.58	158.32	199.40
VYARA		4,875		3,299		1,576	0.00	167.89	0.00	113.61
TOTAL	650,148	1,333,678	548,737	978,193	101,411	355,485	252.30	437.73	212.94	321.06
CENTRAL										
AHMEDABAD	694,202	1,195,747	773,388	1,380,812	79,186	185,065	303.55	470.90	338.17	543.78
ANAND	22,420	29,301	19,610	27,983	2,810	1,318	232.22	263.86	203.12	251.99
BORSAD	3,449	5,326	5,871	4,639	2,422	687	81.33	114.55	138.43	99.77
DAHEBAM		3,806		2,529		1,277	0.00	116.96	0.00	77.72
DHOLKA	2,628	4,577	3,445	5,829	817	1,252	54.36	86.69	71.26	110.40
KAPADWANJ	7,382	11,930	6,971	10,722	411	1,208	198.85	304.52	187.78	273.68
KHAMBHAT	7,079	11,793	9,094	12,821	2,015	1,028	98.78	157.95	126.89	171.72
NADIAD	30,037	44,265	24,321	36,994	5,716	7,271	188.54	248.83	152.66	207.96
PETLAD	4,527	5,678	5,601	5,807	1,074	129	89.83	105.12	111.14	107.51
UMRETH	2,765	3,635	1,425	2,574	1,340	1,061	91.82	113.43	47.32	80.32
VIRAMGAM	5,557	6,245	5,590	6,810	33	565	110.71	119.66	111.37	130.48
TOTAL	780,046	1,322,303	855,316	1,497,520	75,270	175,217	268.84	411.65	294.78	466.20

CONTD...

1	2	3	4	5	6	7	8	9	10	11
NORTH										
DEESA	6,744	9,435	8,788	21,799	2,044	12,364	138.41	165.83	180.36	383.14
KADI	3,164	3,923	2,327	4,498	837	575	83.92	95.48	61.72	109.47
KALOL	12,082	12,729	11,300	12,182	782	547	151.42	139.84	141.62	133.83
MEHESANA	7,517	14,426	6,819	13,389	698	1,037	89.85	150.19	81.51	139.39
PALANPUR	7,716	41,019	7,589	35,270	127	5,749	108.42	496.12	106.63	426.58
PATAN	10,424	25,208	18,041	27,799	7,617	2,591	121.26	270.16	209.87	297.93
SIDHPUR	7,144	23,096	6,827	19,464	317	3,632	124.50	364.41	118.97	307.10
UNJHA	6,563	11,033	5,395	12,686	1,168	1,653	152.59	224.98	125.43	258.69
VISNAGAR	4,026	14,564	9,436	13,873	5,410	691	76.86	247.49	180.13	235.75
TOTAL	65,380	155,433	76,522	160,960	11,142	5,527	116.79	245.82	136.70	254.56
SAURASHTRA										
AMRELI	6,353	16,568	7,128	16,404	775	164	97.23	219.63	109.09	217.45
BAGASARA		3,079		3,164		85	0.00	114.76	0.00	117.93
BHAVNAGAR	55,794	94,287	50,017	90,763	5,777	3,524	160.51	239.66	143.89	230.70
BOTAD	6,360	9,311	6,710	9,925	350	614	105.83	129.61	111.65	138.16
DHORAJI	7,589	10,618	6,294	6,151	1,295	4,467	89.79	113.79	74.47	65.92
DHRANGADHRA	4,390	8,238	4,410	7,145	20	1,093	78.12	133.78	78.48	116.03
GONDAL	11,284	18,060	10,010	15,661	1,274	2,399	158.54	235.63	140.64	204.33
HIMMATNAGAR		7,319		6,459		860	0.00	120.86	0.00	106.66
JAMNAGAR	53,025	94,994	48,587	93,571	4,438	1,423	167.17	262.41	153.18	258.47
JETPUR	10,581	14,596	10,175	13,557	406	1,039	143.33	168.20	137.83	156.22
JUNAGADH	16,259	21,092	16,667	21,916	408	824	125.64	149.42	128.79	155.26
KESOD		4,802		3,472		1,330	0.00	101.23	0.00	73.19
KHAMBHALIYA		4,009		4,092		83	0.00	121.75	0.00	124.27
LIMBADI	5,321	4,716	5,612	7,131	291	2,415	159.16	130.51	167.87	197.34
MAHLVA	10,408	16,046	10,601	16,127	193	81	171.74	234.29	174.93	235.48
MANGROL	1,922	2,689	2,240	2,716	318	27	45.93	56.81	53.53	57.38
MODASA		4,672		3,254		1,418	0.00	110.15	0.00	76.72
MORVI	9,053	16,425	8,341	16,450	712	25	114.68	193.27	105.66	193.56
PALITANA	6,124	9,600	6,656	11,690	532	2,090	162.11	231.73	176.19	282.18
PORBANDAR	14,970	22,603	15,145	24,694	175	2,091	121.28	170.87	122.70	186.68
RAJKOT	86,996	179,385	69,889	157,638	17,107	21,747	167.07	294.45	134.22	258.75
SAVARKUNDLA	7,775	13,275	7,414	18,706	361	5,431	140.29	214.98	133.78	302.94
SURENDRANAGAR	15,509	22,194	16,678	20,390	1,169	1,804	153.74	195.45	165.33	179.57
UNA		5,973		686		5,287	0.00	160.76	0.00	18.46

CONTD...

1	2	3	4	5	6	7	8	9	10	11
UPLETA	8,262	12,616	8,447	8,157	185	4,459	126.14	161.46	128.96	104.39
VERAVALPATAN	10,673	16,923	9,785	15,759	888	1,164	88.73	123.17	81.35	114.70
WADHWAN	2,472	4,839	4,930	5,968	2,458	1,129	57.86	102.95	115.39	126.97
WANKANER	2,244	4,086	2,536	4,251	292	165	65.90	113.47	74.48	118.06
TOTAL	353,364	643,015	328,272	605,897	25,092	37,118	129.29	207.21	120.11	195.25
KUCHCHH										
ANJAR	5,547	10,559	5,252	10,775	295	216	151.79	265.85	143.72	271.29
BHUJ	11,807	16,236	7,820	14,373	3,987	1,863	150.89	184.81	99.94	163.60
GANDHIDHAM	5,882	12,640	5,786	11,775	96	865	79.72	142.61	78.42	132.85
MANDVI	2,587	3,826	2,744	4,595	157	769	76.09	106.30	80.71	127.67
TOTAL	25,823	43,261	21,602	41,518	4,221	1,743	116.02	171.54	97.06	164.62
GUJARAT	1,874,761	3,497,690	1,830,449	3,284,088	44,312	213,602	208.45	341.35	203.52	320.50

SOURCE: NIUA SURVEY, 1991

ANNEX B:16

STATEMENT OF REVENUE INCOME AND EXPENDITURE OF MUNICIPAL BODIES  
ACCORDING TO SIZE CLASS OF CITIES, 1984-85 AND 1988-89  
(AT CONSTANT PRICES)

MUNICIPAL BODY/ SIZE CLASS	INCOME ('000 RS.)		EXPENDITURE ('000 RS)		INCOME - EXPENDITURE DIFFERENTIAL		PER CAPITA (RS.)			
	1984-85	1988-89	1984-85	1988-89	1984-85	1988-89	INCOME		EXPENDITURE	
							1984-85	1988-89	1984-85	1988-89
1	2	3	4	5	6	7	8	9	10	11
CLASS AA										
AHMEDABAD	694,202	884,852	773,388	1,021,800	79,186	136,948	303.55	348.46	338.17	402.39
BHAVNAGAR	55,794	69,772	50,017	67,164	5,777	2,608	160.51	177.35	143.89	170.72
JAMNAGAR	53,025	70,295	48,587	69,242	4,438	1,053	167.17	194.18	153.18	191.27
RAJKOT	86,996	132,744	69,889	116,652	17,107	16,092	167.07	217.89	134.22	191.48
SURAT	279,562	479,252	207,665	330,745	71,897	148,507	294.89	414.12	219.05	285.80
VADODARA	282,320	382,699	244,275	278,080	38,045	104,619	320.62	362.52	277.41	263.42
TOTAL	1,451,899	2,019,616	1,393,821	1,883,686	58,078	135,930	273.89	330.17	262.93	307.95
CLASS A										
BHARUCH	18,631	22,740	19,491	24,028	860	1,288	157.27	178.35	164.53	188.45
JUNAGADH	16,259	15,608	16,667	16,217	408	609	125.64	110.57	128.79	114.89
NADIAD	30,037	32,756	24,321	27,375	5,716	5,381	188.54	184.13	152.66	153.89
NAVSARI	20,325	26,036	17,489	16,952	2,836	9,084	163.44	179.79	140.63	117.06
PORBANDAR	14,970	16,726	15,145	18,273	175	1,547	121.28	126.44	122.70	138.14
VERAVALPATAN	10,673	12,523	9,785	11,661	888	862	88.73	91.15	81.35	84.87
TOTAL	110,895	126,389	102,898	114,509	7,997	11,880	143.04	146.79	132.73	132.99
CLASS B										
AMRELI	6,353	12,260	7,128	12,138	775	122	97.23	162.52	109.09	160.90
ANAND	22,420	21,682	19,610	20,707	2,810	975	232.22	195.25	203.12	186.47
BHUJ	11,807	12,014	7,820	10,636	3,987	1,378	150.89	136.75	99.94	121.07
BOTAD	6,360	6,890	6,710	7,344	350	454	105.83	95.91	111.65	102.23
DAHOD	5,283	6,403	5,584	6,633	301	230	87.68	97.46	92.68	100.96
DHORAJI	7,589	7,857	6,294	4,551	1,295	3,306	89.79	84.20	74.47	48.77
DHRANGADHRA	4,390	6,096	4,410	5,287	20	809	78.12	98.99	78.48	85.86
GANDHIDHAM	5,882	9,353	5,786	8,713	96	640	79.72	105.52	78.42	98.30
GODHRA	9,642	14,958	12,561	13,621	2,919	1,337	101.46	142.07	132.17	129.37
GONDAL	11,284	13,364	10,010	11,589	1,274	1,775	158.54	174.36	140.64	151.21

CONTD...

1	2	3	4	5	6	7	8	9	10	11
JETPUR	10,581	10,801	10,175	10,032	406	769	143.33	124.47	137.83	115.60
KALOL	12,082	9,419	11,300	9,014	782	405	151.42	103.47	141.62	99.03
KHAMBHAT	7,079	8,726	9,094	9,487	2,015	761	98.78	116.87	126.89	127.07
MAHUVA	10,408	11,874	10,601	11,933	193	59	171.74	173.38	174.93	174.24
MEHESANA	7,517	10,675	6,819	9,907	698	768	89.85	111.14	81.51	103.14
MORVI	9,053	12,154	8,341	12,173	712	19	114.68	143.01	105.66	143.24
PALANPUR	7,716	30,354	7,589	26,099	127	4,255	108.42	367.13	106.63	315.66
PATAN	10,424	18,653	18,041	20,571	7,617	1,918	121.26	199.91	209.87	220.47
SIDHPUR	7,144	17,091	6,827	14,403	317	2,688	124.50	269.66	118.97	227.25
SURENDRANAGAR	15,509	16,423	16,678	15,088	1,169	1,335	153.74	144.63	165.33	132.87
UPLETA	8,262	9,335	8,447	6,036	185	3,299	126.14	119.47	128.96	77.25
VALSAD	9,548	9,625	9,347	9,520	201	105	161.73	149.17	158.32	147.54
TOTAL	206,333	276,016	209,172	255,493	2,839	20,523	126.62	150.42	128.36	139.24
CLASS C										
ANJAR	5,547	7,813	5,252	7,973	295	160	151.79	196.71	143.72	200.74
ANKLESVAR	7,662	10,562	7,056	12,067	606	1,505	182.53	216.52	168.09	247.37
BAGASARA		2,278		2,341		63	0.00	84.90	0.00	87.25
BARDOLI		3,332		1,835		1,497	0.00	87.49	0.00	48.18
BILIMORA	5,791	7,467	11,191	7,610	5,400	143	107.98	113.59	208.67	115.76
BORSAD	3,449	3,941	5,871	3,432	2,422	509	81.33	84.76	138.43	73.81
DABHOI	5,949	6,207	8,403	7,454	2,454	1,247	125.93	123.37	177.88	148.15
DAHEBAM		2,816		1,871		945	0.00	86.54	0.00	57.50
DEESA	6,744	6,981	8,788	16,131	2,044	9,150	138.41	122.70	180.36	283.52
DHOLKA	2,628	3,386	3,445	4,313	817	927	54.36	64.13	71.26	81.69
HIMMATNAGAR		5,416		4,779		637	0.00	89.44	0.00	78.92
JAMBUSAR		3,398		2,057		1,341	0.00	105.66	0.00	63.96
KADI	3,164	2,903	2,327	3,328	837	425	83.92	70.65	61.72	80.99
KAPADWANJ	7,382	8,828	6,971	7,934	411	894	198.85	225.34	187.78	202.52
KESOD		3,553		2,569		984	0.00	74.90	0.00	54.16
KHAMBHALIYA		2,966		3,028		62	0.00	90.07	0.00	91.96
LIMBADI	5,321	3,489	5,612	5,276	291	1,787	159.16	96.55	167.87	146.00
MANDVI	2,587	2,831	2,744	3,400	157	569	76.09	78.66	80.71	94.47
MANGROL	1,922	1,989	2,240	2,009	318	20	45.93	42.02	53.53	42.44
MODASA		3,457		2,407		1,050	0.00	81.51	0.00	56.75
PADRA		4,533		4,294		239	0.00	153.30	0.00	145.22
PALITANA	6,124	7,104	6,656	8,650	532	1,546	162.11	171.48	176.19	208.80
PETLAD	4,527	4,201	5,601	4,297	1,074	96	89.83	77.77	111.14	79.55
RAJPIPLA	5,435	6,099	5,675	6,516	240	417	176.83	188.70	184.64	201.60
SAVARKUNDLA	7,775	9,823	7,414	13,842	361	4,019	140.29	159.08	133.78	224.17

CONTD...

1	2	3	4	5	6	7	8	9	10	11
UMRETH	2,765	2,689	1,425	1,904	1,340	785	91.82	83.91	47.32	59.41
UNA		4,420		507		3,913	0.00	118.96	0.00	13.65
UNJHA	6,563	8,164	5,395	9,387	1,168	1,223	152.59	166.48	125.43	191.42
VIRAMGAM	5,557	4,621	5,590	5,039	33	418	110.71	88.54	111.37	96.55
VISNAGAR	4,026	10,777	9,436	10,266	5,410	511	76.86	183.14	180.13	174.46
VYARA		3,607		2,441		1,166	0.00	124.22	0.00	84.07
WADHWAN	2,472	3,580	4,930	4,416	2,458	836	57.86	76.16	115.39	93.95
WANKANER	2,244	3,023	2,536	3,145	292	122	65.90	83.95	74.48	87.34
TOTAL	105,634	166,267	124,558	176,535	18,924	10,268	82.01	115.96	96.70	123.12
GUJARAT	1,874,761	2,588,290	1,830,449	2,430,225	44,312	158,065	208.45	252.60	203.52	237.17

SOURCE: NIUA SURVEY, 1991

ANNEX B:17

STATEMENT OF REVENUE INCOME AND EXPENDITURE OF MUNICIPAL BODIES  
ACCORDING TO REGIONS, 1984-85 AND 1988-89  
(AT CONSTANT PRICES)

MUNICIPAL BODY/ REGION	INCOME ('000 RS.)		EXPENDITURE ('000 RS)		INCOME - EXPENDITURE DIFFERENTIAL		PER CAPITA (RS.)			
	1984-85	1988-89	1984-85	1988-89	1984-85	1988-89	INCOME		EXPENDITURE	
							1984-85	1988-89	1984-85	1988-89
1	2	3	4	5	6	7	8	9	10	11
SOUTH										
ANKLESVAR	7,662	10,562	7,056	12,067	606	1,505	182.53	216.52	168.09	247.37
BARDOLI		3,332		1,835		1,497	0.00	87.49	0.00	48.18
BHARUCH	18,631	22,740	19,491	24,028	860	1,288	157.27	178.35	164.53	188.45
BILIMORA	5,791	7,467	11,191	7,610	5,400	143	107.98	113.59	208.67	115.76
DABHOI	5,949	6,207	8,403	7,454	2,454	1,247	125.93	123.37	177.88	148.15
DAHOD	5,283	6,403	5,584	6,633	301	230	87.68	97.46	92.68	100.96
GODHRA	9,642	14,958	12,561	13,621	2,919	1,337	101.46	142.07	132.17	129.37
JAMBUSAR		3,398		2,057		1,341	0.00	105.66	0.00	63.96
NAVSARI	20,325	26,036	17,489	16,952	2,836	9,084	163.44	179.79	140.63	117.06
PADRA		4,533		4,294		239	0.00	153.30	0.00	145.22
RAJPIPLA	5,435	6,099	5,675	6,516	240	417	176.83	188.70	184.64	201.60
SURAT	279,562	479,252	207,665	330,745	71,897	148,507	294.89	414.12	219.05	285.80
VADODARA	282,320	382,699	244,275	278,080	38,045	104,619	320.62	362.52	277.41	263.42
VALSAD	9,548	9,625	9,347	9,520	201	105	161.73	149.17	158.32	147.54
VYARA		3,607		2,441		1,166	0.00	124.22	0.00	84.07
TOTAL	650,148	986,921	548,737	723,862	101,411	263,059	252.30	323.92	212.94	237.58
CENTRAL										
AHMEDABAD	694,202	884,852	773,388	1,021,800	79,186	136,948	303.55	348.46	338.17	402.39
ANAND	22,420	21,682	19,610	20,707	2,810	975	232.22	195.25	203.12	186.47
BORSAD	3,449	3,941	5,871	3,432	2,422	509	81.33	84.76	138.43	73.81
DAHEBAM		2,816		1,871		945	0.00	86.54	0.00	57.50
DHOLKA	2,628	3,386	3,445	4,313	817	927	54.36	64.13	71.26	81.69
KAPADWANJ	7,382	8,828	6,971	7,934	411	894	198.85	225.34	187.78	202.52
KHAMBHAT	7,079	8,726	9,094	9,487	2,015	761	98.78	116.87	126.89	127.07
NADIAD	30,037	32,756	24,321	27,375	5,716	5,381	188.54	184.13	152.66	153.89
PETLAD	4,527	4,201	5,601	4,297	1,074	96	89.83	77.77	111.14	79.55
UMRETH	2,765	2,689	1,425	1,904	1,340	785	91.82	83.91	47.32	59.41
VIRAMGAM	5,557	4,621	5,590	5,039	33	418	110.71	88.54	111.37	96.55
TOTAL	780,046	978,504	855,316	1,108,164	75,270	129,660	268.84	304.62	294.78	344.99

CONTD...

1	2	3	4	5	6	7	8	9	10	11
NORTH										
DEESA	6,744	6,981	8,788	16,131	2,044	9,150	138.41	122.70	180.36	283.52
KADI	3,164	2,903	2,327	3,328	837	425	83.92	70.65	61.72	80.99
KALOL	12,082	9,419	11,300	9,014	782	405	151.42	103.47	141.62	99.03
MEHESANA	7,517	10,675	6,819	9,907	698	768	89.85	111.14	81.51	103.14
PALANPUR	7,716	30,354	7,589	26,099	127	4,255	108.42	367.13	106.63	315.66
PATAN	10,424	18,653	18,041	20,571	7,617	1,918	121.26	199.91	209.87	220.47
SIDHPUR	7,144	17,091	6,827	14,403	317	2,688	124.50	269.66	118.97	227.25
UNJHA	6,563	8,164	5,395	9,387	1,168	1,223	152.59	166.48	125.43	191.42
VISNAGAR	4,026	10,777	9,436	10,266	5,410	511	76.86	183.14	180.13	174.46
TOTAL	65,380	115,020	76,522	119,110	11,142	4,090	116.79	181.90	136.70	188.37
SAURASHTRA										
AMRELI	6,353	12,260	7,128	12,138	775	122	97.23	162.52	109.09	160.90
BAGASARA		2,278		2,341		63	0.00	84.90	0.00	87.25
BHAVNAGAR	55,794	69,772	50,017	67,164	5,777	2,608	160.51	177.35	143.89	170.72
BOTAD	6,360	6,890	6,710	7,344	350	454	105.83	95.91	111.65	102.23
DHORAJI	7,589	7,857	6,294	4,551	1,295	3,306	89.79	84.20	74.47	48.77
DHRANGADHRA	4,390	6,096	4,410	5,287	20	809	78.12	98.99	78.48	85.86
GONDAL	11,284	13,364	10,010	11,589	1,274	1,775	158.54	174.36	140.64	151.21
HIMMATNAGAR		5,416		4,779		637	0.00	89.44	0.00	78.92
JAMNAGAR	53,025	70,295	48,587	69,242	4,438	1,053	167.17	194.18	153.18	191.27
JETPUR	10,581	10,801	10,175	10,032	406	769	143.33	124.47	137.83	115.60
JUNAGADH	16,259	15,608	16,667	16,217	408	609	125.64	110.57	128.79	114.89
KESOD		3,553		2,569		984	0.00	74.90	0.00	54.16
KHAMBHALIYA		2,966		3,028		62	0.00	90.07	0.00	91.96
LIMBADI	5,321	3,489	5,612	5,276	291	1,787	159.16	96.55	167.87	146.00
MAHUVA	10,408	11,874	10,601	11,933	193	59	171.74	173.38	174.93	174.24
MANGROL	1,922	1,989	2,240	2,009	318	20	45.93	42.02	53.53	42.44
MCDASA		3,457		2,407		1,050	0.00	81.51	0.00	56.75
MORVI	9,053	12,154	8,341	12,173	712	19	114.68	143.01	105.66	143.24
PALITANA	6,124	7,104	6,656	8,650	532	1,546	162.11	171.48	176.19	208.80
PORBANDAR	14,970	16,726	15,145	18,273	175	1,547	121.28	126.44	122.70	138.14
RAJKOT	86,996	132,744	69,889	116,652	17,107	16,092	167.07	217.89	134.22	191.48
SAVARKUNDLA	7,775	9,823	7,414	13,842	361	4,019	140.29	159.08	133.78	224.17
SURENDRANAGAR	15,509	16,423	16,678	15,088	1,169	1,335	153.74	144.63	165.33	132.87
UNA		4,420		507		3,913	0.00	118.96	0.00	13.65
UPLETA	8,262	9,335	8,447	6,036	185	3,299	126.14	119.47	128.96	77.25

CONTD...



1	2	3	4	5	6	7	8	9	10	11
VERAVALPATAN	10,673	12,523	9,785	11,661	888	862	88.73	91.15	81.35	84.87
WADHWAN	2,472	3,580	4,930	4,416	2,458	836	57.86	76.16	115.39	93.95
WANKANER	2,244	3,023	2,536	3,145	292	122	65.90	83.95	74.48	87.34
TOTAL	353,364	475,831	328,272	448,363	25,092	27,468	129.29	153.33	120.11	144.48
KUCHCHH										
ANJAR	5,547	7,813	5,252	7,973	295	160	151.79	196.71	143.72	200.74
BHUJ	11,807	12,014	7,820	10,636	3,987	1,378	150.89	136.75	99.94	121.07
GANDHIDHAM	5,882	9,353	5,786	8,713	96	640	79.72	105.52	78.42	98.30
MANDVI	2,587	2,831	2,744	3,400	157	569	76.09	78.66	80.71	94.47
TOTAL	25,823	32,013	21,602	30,723	4,221	1,290	116.02	126.94	97.06	121.82
GUJARAT	1,874,761	2,588,290	1,830,449	2,430,225	44,312	158,065	208.45	252.60	203.52	237.17

SOURCE: NIUA SURVEY, 1991

ANNEX B:18

COMPOSITION OF REVENUE INCOME OF MUNICIPAL BODIES  
ACCORDING TO SIZE CLASS OF CITIES, 1984-85 AND 1988-89

MUNICIPAL BODY/ SIZE CLASS	INCOME (IN '0000 RS.)				
	TOTAL	TAX	NON-TAX	GRANTS	OTHERS
1	2	3	4	5	6
<b>CLASS AA</b>					
<b>AHMEDABAD</b>					
1984-85	694,202	499,551	26,301	79,735	88,615
1988-89	1,195,747	843,472	81,541	211,178	59,556
% GROWTH	72.25	68.85	210.03	164.85	-32.79
<b>BHAVNAGAR</b>					
1984-85	55,794	34,311	4,986	15,370	1,127
1988-89	94,287	63,434	8,810	20,842	1,201
% GROWTH	68.99	84.88	76.69	35.60	6.57
<b>JAMNAGAR</b>					
1984-85	53,025	36,103	766	12,342	3,814
1988-89	94,994	64,069	8,159	17,417	5,349
% GROWTH	79.15	77.46	965.14	41.12	40.25
<b>RAJKOT</b>					
1984-85	86,996	75,804	1,888	5,807	3,497
1988-89	179,385	122,339	3,250	36,880	16,916
% GROWTH	106.20	61.39	72.14	535.10	383.73
<b>SURAT</b>					
1984-85	279,562	228,208	5,095	40,722	5,537
1988-89	647,638	520,913	13,164	84,034	29,527
% GROWTH	131.66	128.26	158.37	106.36	433.27
<b>VADODARA</b>					
1984-85	282,320	168,439	79,297	28,491	6,093
1988-89	517,161	354,084	44,355	68,684	50,038
% GROWTH	83.18	110.21	-44.06	141.07	721.24
<b>TOTAL</b>					
1984-85	1,451,899	1,042,416	118,333	182,467	108,683
1988-89	2,729,212	1,968,311	159,279	439,035	162,587
% GROWTH	87.98	88.82	34.60	140.61	49.60
<b>CLASS A</b>					
<b>BHARUCH</b>					
1984-85	18,631	11,106	424	6,609	492
1988-89	30,730	16,966	744	12,464	556
% GROWTH	64.94	52.76	75.47	88.59	13.01

CONTD...

1	2	3	4	5	6
<b>JUNAGADH</b>					
1984-85	16,259	12,361	2,003	958	937
1988-89	21,092	14,941	2,451	2,204	1,496
% GROWTH	29.73	20.87	22.37	130.06	59.66
<b>NADIAD</b>					
1984-85	30,037	17,551	1,351	9,799	1,336
1988-89	44,265	23,255	2,568	16,425	2,017
% GROWTH	47.37	32.50	90.08	67.62	50.97
<b>NAVSARI</b>					
1984-85	20,325	14,339	111	5,140	735
1988-89	35,184	21,391	945	11,594	1,254
% GROWTH	73.11	49.18	751.35	125.56	70.61
<b>PORBANDAR</b>					
1984-85	14,970	10,170	2,924	1,339	537
1988-89	22,603	14,836	4,380	2,413	974
% GROWTH	50.99	45.88	49.79	80.21	81.38
<b>VERAVALPATAN</b>					
1984-85	10,673	7,508	1,487	1,496	182
1988-89	16,923	11,356	3,134	2,073	360
% GROWTH	58.56	51.25	110.76	38.57	97.80
<b>TOTAL</b>					
1984-85	110,895	73,035	8,300	25,341	4,219
1988-89	170,797	102,745	14,222	47,173	6,657
% GROWTH	54.02	40.68	71.35	86.15	57.79
<b>CLASS B</b>					
<b>AMRELI</b>					
1984-85	6,353	3,160	638	2,482	73
1988-89	16,568	7,001	4,030	5,316	221
% GROWTH	160.79	121.55	531.66	114.18	202.74
<b>ANAND</b>					
1984-85	22,420	9,867	2,680	4,094	5,779
1988-89	29,301	15,931	3,041	7,871	2,458
% GROWTH	30.69	61.46	13.47	92.26	-57.47
<b>BHUJ</b>					
1984-85	11,807	6,444	668	594	4,101
1988-89	16,236	11,409	1,018	3,136	673
% GROWTH	37.51	77.05	52.40	427.95	-83.59
<b>BOTAD</b>					
1984-85	6,360	3,548	195	2,463	154
1988-89	9,311	4,460	171	4,600	80
% GROWTH	46.40	25.70	-12.31	86.76	-48.05
<b>DAHOD</b>					
1984-85	5,283	3,312	189	1,394	388
1988-89	8,654	5,887	321	2,069	377
% GROWTH	63.81	77.75	69.84	48.42	-2.84

CONTD...

	1	2	3	4	5	6
DHORAJI						
1984-85		7,589	4,982	362	1,713	532
1988-89		10,618	7,275	1,035	2,109	199
% GROWTH		39.91	46.03	185.91	23.12	-62.59
DHRANGADHRA						
1984-85		4,390	3,354	234	624	178
1988-89		8,238	6,177	315	1,208	538
% GROWTH		87.65	84.17	34.62	93.59	202.25
GANDHIDHAM						
1984-85		5,882	4,604	279	929	70
1988-89		12,640	10,426	500	1,485	229
% GROWTH		114.89	126.46	79.21	59.85	227.14
GODHRA						
1984-85		9,642	4,384	197	4,896	165
1988-89		20,214	6,777	571	11,421	1,445
% GROWTH		109.65	54.58	189.85	133.27	775.76
GONDAL						
1984-85		11,284	7,027	407	3,425	425
1988-89		18,060	9,746	880	7,078	356
% GROWTH		60.05	38.69	116.22	106.66	-16.24
JETPUR						
1984-85		10,581	6,399	367	3,535	280
1988-89		14,596	7,393	632	6,369	202
% GROWTH		37.95	15.53	72.21	80.17	-27.86
KALOL						
1984-85		12,082	7,026	631	3,870	555
1988-89		12,729	8,731	574	2,754	670
% GROWTH		5.36	24.27	-9.03	-28.84	20.72
KHAMBHAT						
1984-85		7,079	5,261	572	619	627
1988-89		11,793	7,348	1,386	2,548	511
% GROWTH		66.59	39.67	142.31	311.63	-18.50
MAHUVA						
1984-85		10,408	4,446	1,506	3,972	484
1988-89		16,046	6,249	1,685	7,325	787
% GROWTH		54.17	40.55	11.89	84.42	62.60
MEHESANA						
1984-85		7,517	5,344	581	1,117	475
1988-89		14,426	10,167	3,361	678	220
% GROWTH		91.91	90.25	478.49	-39.30	-53.68
MORVI						
1984-85		9,053	7,340	476	850	387
1988-89		16,425	12,428	2,105	1,214	678
% GROWTH		81.43	69.32	342.23	42.82	75.19
PALANPUR						
1984-85		7,716	5,114	861	1,568	173
1988-89		41,019	8,508	23,620	8,347	544
% GROWTH		431.61	66.37	2643.32	432.33	214.45

CONTD...

1	2	3	4	5	6
<b>PATAN</b>					
1984-85	10,424	5,052	728	3,843	801
1988-89	25,208	7,445	10,125	6,884	754
% GROWTH	141.83	47.37	1290.80	79.13	-5.87
<b>SIDHPUR</b>					
1984-85	7,144	3,940	402	2,627	175
1988-89	23,096	5,291	9,119	8,030	656
% GROWTH	223.29	34.29	2168.41	205.67	274.86
<b>SURENDRANAGAR</b>					
1984-85	15,509	10,433	252	4,266	558
1988-89	22,194	12,144	391	9,286	373
% GROWTH	43.10	16.40	55.16	117.67	-33.15
<b>UPLETA</b>					
1984-85	8,262	4,631	879	2,213	539
1988-89	12,616	6,349	1,776	2,305	2,186
% GROWTH	52.70	37.10	102.05	4.16	305.57
<b>VALSAD</b>					
1984-85	9,548	5,929	1,611	1,713	295
1988-89	13,007	8,774	2,087	1,848	298
% GROWTH	36.23	47.98	29.55	7.88	1.02
<b>TOTAL</b>					
1984-85	206,333	121,597	14,715	52,807	17,214
1988-89	372,995	185,916	68,743	103,881	14,455
% GROWTH	80.77	52.90	367.16	96.72	-16.03
<b>CLASS C</b>					
<b>ANJAR</b>					
1984-85	5,547	2,862	467	2,082	136
1988-89	10,559	5,081	711	4,550	217
% GROWTH	90.36	77.53	52.25	118.54	59.56
<b>ANKLESVAR</b>					
1984-85	7,662	4,102	421	3,102	37
1988-89	14,273	6,090	824	6,964	395
% GROWTH	86.28	48.46	95.72	124.50	967.57
<b>BAGASARA</b>					
1984-85					
1988-89	3,079	2,341	113	572	53
% GROWTH	0.00	0.00	0.00	0.00	0.00
<b>BARDOLI</b>					
1984-85					
1988-89	4,503	3,916	510	77	
% GROWTH	0.00	0.00	0.00	0.00	0.00
<b>BILIMORA</b>					
1984-85	5,791	4,199	394	972	226
1988-89	10,091	4,911	735	4,423	22
% GROWTH	74.25	16.96	86.55	355.04	-90.27

CONTD...

1	2	3	4	5	6
<b>BORSAD</b>					
1984-85	3,449	2,009	531	531	378
1988-89	5,326	2,791	669	1,461	405
% GROWTH	54.42	38.92	25.99	175.14	7.14
<b>DABHOI</b>					
1984-85	5,949	2,603	98	2,965	283
1988-89	8,388	4,402	225	3,509	252
% GROWTH	41.00	69.11	129.59	18.35	-10.95
<b>DAHEBAM</b>					
1984-85					
1988-89	3,806	2,727	515	465	99
% GROWTH	0.00	0.00	0.00	0.00	0.00
<b>DEESA</b>					
1984-85	6,744	4,586	962	1,055	141
1988-89	9,435	5,667	833	1,398	1,537
% GROWTH	39.90	23.57	-13.41	32.51	990.07
<b>DHOLKA</b>					
1984-85	2,628	2,123	91	398	16
1988-89	4,577	3,570	111	821	75
% GROWTH	74.16	68.16	21.98	106.28	368.75
<b>HIMMATNAGAR</b>					
1984-85					
1988-89	7,319	5,394	177	962	786
% GROWTH	0.00	0.00	0.00	0.00	0.00
<b>JAMBUSAR</b>					
1984-85					
1988-89	4,592	1,688	438	2,402	64
% GROWTH	0.00	0.00	0.00	0.00	0.00
<b>KADI</b>					
1984-85	3,164	2,055	378	613	118
1988-89	3,923	2,157	787	847	132
% GROWTH	23.99	4.96	108.20	38.17	11.86
<b>KAPADWANJ</b>					
1984-85	7,382	2,639	673	3,791	279
1988-89	11,930	3,245	4,274	2,681	1,730
% GROWTH	61.61	22.96	535.07	-29.28	520.07
<b>KESOD</b>					
1984-85					
1988-89	4,802	4,316	126	176	184
% GROWTH	0.00	0.00	0.00	0.00	0.00
<b>KHAMBHALIYA</b>					
1984-85					
1988-89	4,009	3,243	204	428	134
% GROWTH	0.00	0.00	0.00	0.00	0.00
<b>LIMBADI</b>					
1984-85	5,321	2,830	348	1,945	198
1988-89	4,716	3,555	229	866	66
% GROWTH	-11.37	25.62	-34.20	-55.48	-66.67

CONTD...

1	2	3	4	5	6	
-----						
MANDVI	1984-85	2,587	2,062	191	255	79
	1988-89	3,826	2,996	276	422	132
	% GROWTH	47.89	45.30	44.50	65.49	67.09
MANGROL	1984-85	1,922	1,561	146	118	97
	1988-89	2,689	1,933	213	503	40
	% GROWTH	39.91	23.83	45.89	326.27	-58.76
MODASA	1984-85					
	1988-89	4,672	2,894	256	1,418	104
	% GROWTH	0.00	0.00	0.00	0.00	0.00
PADRA	1984-85					
	1988-89	6,126	2,482	529	3,070	45
	% GROWTH	0.00	0.00	0.00	0.00	0.00
PALITANA	1984-85					
	1988-89	6,124	3,265	250	2,239	370
	% GROWTH	56.76	43.71	17.20	98.26	-52.43
PETLAD	1984-85	4,527	2,761	957	658	151
	1988-89	5,678	3,819	343	1,331	185
	% GROWTH	25.43	38.32	-64.16	102.28	22.52
RAJPIPLA	1984-85	5,435	2,975	193	2,037	230
	1988-89	8,242	3,484	218	4,386	154
	% GROWTH	51.65	17.11	12.95	115.32	-33.04
SAVARKUNDLA	1984-85	7,775	4,452	374	2,855	94
	1988-89	13,275	6,558	582	5,893	242
	% GROWTH	70.74	47.30	55.61	106.41	157.45
UMRETH	1984-85	2,765	1,357	230	758	420
	1988-89	3,635	2,474	211	478	472
	% GROWTH	31.46	82.31	-8.26	-36.94	12.38
UNA	1984-85					
	1988-89	5,973	3,850	71	177	1,875
	% GROWTH	0.00	0.00	0.00	0.00	0.00
UNJHA	1984-85	6,563	3,467	464	2,376	256
	1988-89	11,033	4,575	1,009	4,493	956
	% GROWTH	68.11	31.96	117.46	89.10	273.44
VIRAMGAM	1984-85	5,557	3,285	618	1,287	367
	1988-89	6,245	3,926	1,023	1,255	41
	% GROWTH	12.38	19.51	65.53	-2.49	-88.83
-----						

CONTD...

	1	2	3	4	5	6
-----						
VISNAGAR						
1984-85		4,026	2,249	1,183	373	221
1988-89		14,564	3,101	10,673	545	245
% GROWTH		261.75	37.88	802.20	46.11	10.86
VYARA						
1984-85						
1988-89		4,875	2,788	325	368	1,394
% GROWTH		0.00	0.00	0.00	0.00	0.00
WADHWAN						
1984-85		2,472	1,981	66	222	203
1988-89		4,839	3,776	90	733	240
% GROWTH		95.75	90.61	36.36	230.18	18.23
WANKANER						
1984-85		2,244	1,818	144	140	142
1988-89		4,086	3,268	166	539	113
% GROWTH		82.09	79.76	15.28	285.00	-20.42
-----						
TOTAL						
1984-85		105,634	61,241	9,179	30,772	4,442
1988-89		224,686	121,710	27,759	62,652	12,565
% GROWTH		112.70	98.74	202.42	103.60	182.87
-----						
GUJARAT						
1984-85		1,874,761	1,298,289	150,527	291,387	134,558
1988-89		3,497,690	2,378,682	270,003	652,741	196,264
% GROWTH		86.57	83.22	79.37	124.01	45.86

SOURCE: NIUA SURVEY, 1991



ANNEX B:19

COMPOSITION OF REVENUE INCOME OF MUNICIPAL BODIES  
ACCORDING TO REGIONS, 1984-85 AND 1988-89

MUNICIPAL BODY/ REGION	INCOME ('000 RS.)				
	TOTAL	TAX	NON-TAX	GRANTS	OTHERS
1	2	3	4	5	6
SOUTH					
-----					
ANKLESVAR					
1984-85	7,662	4,102	421	3,102	37
1988-89	14,273	6,090	824	6,964	395
% GROWTH	86.28	48.46	95.72	124.50	967.57
BARDOLI					
1984-85					
1988-89	4,503	3,916	510	77	
% GROWTH	0.00	0.00	0.00	0.00	0.00
BHARUCH					
1984-85	18,631	11,106	424	6,609	492
1988-89	30,730	16,966	744	12,464	556
% GROWTH	64.94	52.76	75.47	88.59	13.01
BILIMORA					
1984-85	5,791	4,199	394	972	226
1988-89	10,091	4,911	735	4,423	22
% GROWTH	74.25	16.96	86.55	355.04	-90.27
DABHOI					
1984-85	5,949	2,603	98	2,965	283
1988-89	8,388	4,402	225	3,509	252
% GROWTH	41.00	69.11	129.59	18.35	-10.95
DAHOD					
1984-85	5,283	3,312	189	1,394	388
1988-89	8,654	5,887	321	2,069	377
% GROWTH	63.81	77.75	69.84	48.42	-2.84
GODHRA					
1984-85	9,642	4,384	197	4,896	165
1988-89	20,214	6,777	571	11,421	1,445
% GROWTH	109.65	54.58	189.85	133.27	775.76
JAMBUSAR					
1984-85					
1988-89	4,592	1,688	438	2,402	64
% GROWTH	0.00	0.00	0.00	0.00	0.00
NAVSARI					
1984-85	20,325	14,339	111	5,140	735
1988-89	35,184	21,391	945	11,594	1,254
% GROWTH	73.11	49.18	751.35	125.56	70.61

CONTD.

	1	2	3	4	5	6
<b>PADRA</b>						
1984-85						
1988-89		6,126	2,482	529	3,070	45
% GROWTH		0.00	0.00	0.00	0.00	0.00
<b>RAJPIPLA</b>						
1984-85		5,435	2,975	193	2,037	230
1988-89		8,242	3,484	218	4,386	154
% GROWTH		51.65	17.11	12.95	115.32	-33.04
<b>SURAT</b>						
1984-85		279,562	228,208	5,095	40,722	5,537
1988-89		647,638	520,913	13,164	84,034	29,527
% GROWTH		131.66	128.26	158.37	106.36	433.27
<b>VADODARA</b>						
1984-85		282,320	168,439	79,297	28,491	6,093
1988-89		517,161	354,084	44,355	68,684	50,038
% GROWTH		83.18	110.21	-44.06	141.07	721.24
<b>VALSAD</b>						
1984-85		9,548	5,929	1,611	1,713	295
1988-89		13,007	8,774	2,087	1,848	298
% GROWTH		36.23	47.98	29.55	7.88	1.02
<b>VYARA</b>						
1984-85						
1988-89		4,875	2,788	325	368	1,394
% GROWTH		0.00	0.00	0.00	0.00	0.00
<b>TOTAL</b>						
1984-85		650,148	449,596	88,030	98,041	14,481
1988-89		1,333,678	964,553	65,991	217,313	85,821
% GROWTH		105.13	114.54	-25.04	121.66	492.65
<b>CENTRAL</b>						
<b>AHMEDABAD</b>						
1984-85		694,202	499,551	26,301	79,735	88,615
1988-89		1,195,747	843,472	81,541	211,178	59,556
% GROWTH		72.25	68.85	210.03	164.85	-32.79
<b>ANAND</b>						
1984-85		22,420	9,867	2,680	4,094	5,779
1988-89		29,301	15,931	3,041	7,871	2,458
% GROWTH		30.69	61.46	13.47	92.26	-57.47
<b>BORSAD</b>						
1984-85		3,449	2,009	531	531	378
1988-89		5,326	2,791	669	1,461	405
% GROWTH		54.42	38.92	25.99	175.14	7.14
<b>DAHEBAM</b>						
1984-85						
1988-89		3,806	2,727	515	465	99
% GROWTH		0.00	0.00	0.00	0.00	0.00

CONTD.

	1	2	3	4	5	6
-----						
DHOLKA						
1984-85		2,628	2,123	91	398	16
1988-89		4,577	3,570	111	821	75
% GROWTH		74.16	68.16	21.98	106.28	368.75
KAPADWANJ						
1984-85		7,382	2,639	673	3,791	279
1988-89		11,930	3,245	4,274	2,681	1,730
% GROWTH		61.61	22.96	535.07	-29.28	520.07
KHAMBHAT						
1984-85		7,079	5,261	572	619	627
1988-89		11,793	7,348	1,386	2,548	511
% GROWTH		66.59	39.67	142.31	311.63	-18.50
NADIAD						
1984-85		30,037	17,551	1,351	9,799	1,336
1988-89		44,265	23,255	2,568	16,425	2,017
% GROWTH		47.37	32.50	90.08	67.62	50.97
PETLAD						
1984-85		4,527	2,761	957	658	151
1988-89		5,678	3,819	343	1,331	185
% GROWTH		25.43	38.32	-64.16	102.28	22.52
UMRETH						
1984-85		2,765	1,357	230	758	420
1988-89		3,635	2,474	211	478	472
% GROWTH		31.46	82.31	-8.26	-36.94	12.38
VIRAMGAM						
1984-85		5,557	3,285	618	1,287	367
1988-89		6,245	3,926	1,023	1,255	41
% GROWTH		12.38	19.51	65.53	-2.49	-88.83
-----						
TOTAL						
1984-85		780,046	546,404	34,004	101,670	97,968
1988-89		1,322,303	912,558	95,682	246,514	67,549
% GROWTH		69.52	67.01	181.38	142.46	-31.05
-----						
NORTH						
-----						
DEESA						
1984-85		6,744	4,586	962	1,055	141
1988-89		9,435	5,667	833	1,398	1,537
% GROWTH		39.90	23.57	-13.41	32.51	990.07
KADI						
1984-85		3,164	2,055	378	613	118
1988-89		3,923	2,157	787	847	132
% GROWTH		23.99	4.96	108.20	38.17	11.86
KALOL						
1984-85		12,082	7,026	631	3,870	555
1988-89		12,729	8,731	574	2,754	670
% GROWTH		5.36	24.27	-9.03	-28.84	20.72
-----						

CONTD..

1	2	3	4	5	6
<b>MEHESANA</b>					
1984-85	7,517	5,344	581	1,117	475
1988-89	14,426	10,167	3,361	678	220
% GROWTH	91.91	90.25	478.49	-39.30	-53.68
<b>PALANPUR</b>					
1984-85	7,716	5,114	861	1,568	173
1988-89	41,019	8,508	23,620	8,347	544
% GROWTH	431.61	66.37	2643.32	432.33	214.45
<b>PATAN</b>					
1984-85	10,424	5,052	728	3,843	801
1988-89	25,208	7,445	10,125	6,884	754
% GROWTH	141.83	47.37	1290.80	79.13	-5.87
<b>SIDHPUR</b>					
1984-85	7,144	3,940	402	2,627	175
1988-89	23,096	5,291	9,119	8,030	656
% GROWTH	223.29	34.29	2168.41	205.67	274.86
<b>UNJHA</b>					
1984-85	6,563	3,467	464	2,376	256
1988-89	11,033	4,575	1,009	4,493	956
% GROWTH	68.11	31.96	117.46	89.10	273.44
<b>VISNAGAR</b>					
1984-85	4,026	2,249	1,183	373	221
1988-89	14,564	3,101	10,673	545	245
% GROWTH	261.75	37.88	802.20	46.11	10.86
<b>TOTAL</b>					
1984-85	65,380	38,833	6,190	17,442	2,915
1988-89	155,433	55,642	60,101	33,976	5,714
% GROWTH	137.74	43.29	870.94	94.79	96.02
<b>SAURASHTRA</b>					
<b>AMRELI</b>					
1984-85	6,353	3,160	638	2,482	73
1988-89	16,568	7,001	4,030	5,316	221
% GROWTH	160.79	121.55	531.66	114.18	202.74
<b>BAGASARA</b>					
1984-85					
1988-89	3,079	2,341	113	572	53
% GROWTH	0.00	0.00	0.00	0.00	0.00
<b>BHAVNAGAR</b>					
1984-85	55,794	34,311	4,986	15,370	1,127
1988-89	94,287	63,434	8,810	20,842	1,201
% GROWTH	68.99	84.88	76.69	35.60	6.57
<b>BOTAD</b>					
1984-85	6,360	3,548	195	2,463	154
1988-89	9,311	4,460	171	4,600	80
% GROWTH	46.40	25.70	-12.31	86.76	-48.05

CONTD...

1	2	3	4	5	6
<b>DHORAJI</b>					
1984-85	7,589	4,982	362	1,713	532
1988-89	10,618	7,275	1,035	2,109	199
% GROWTH	39.91	46.03	185.91	23.12	-62.59
<b>DHRANGADHRA</b>					
1984-85	4,390	3,354	234	624	178
1988-89	8,238	6,177	315	1,208	538
% GROWTH	87.65	84.17	34.62	93.59	202.25
<b>GONDAL</b>					
1984-85	11,284	7,027	407	3,425	425
1988-89	18,060	9,746	880	7,078	356
% GROWTH	60.05	38.69	116.22	106.66	-16.24
<b>HIMMATNAGAR</b>					
1984-85					
1988-89	7,319	5,394	177	962	786
% GROWTH	0.00	0.00	0.00	0.00	0.00
<b>JAMNAGAR</b>					
1984-85	53,025	36,103	766	12,342	3,814
1988-89	94,994	64,069	8,159	17,417	5,349
% GROWTH	79.15	77.46	965.14	41.12	40.25
<b>JETPUR</b>					
1984-85	10,581	6,399	367	3,535	280
1988-89	14,596	7,393	632	6,369	202
% GROWTH	37.95	15.53	72.21	80.17	-27.86
<b>JUNAGADH</b>					
1984-85	16,259	12,361	2,003	958	937
1988-89	21,092	14,941	2,451	2,204	1,496
% GROWTH	29.73	20.87	22.37	130.06	59.66
<b>KESOD</b>					
1984-85					
1988-89	4,802	4,316	126	176	184
% GROWTH	0.00	0.00	0.00	0.00	0.00
<b>KHAMBHALIYA</b>					
1984-85					
1988-89	4,009	3,243	204	428	134
% GROWTH	0.00	0.00	0.00	0.00	0.00
<b>LIMBADI</b>					
1984-85	5,321	2,830	348	1,945	198
1988-89	4,716	3,555	229	866	66
% GROWTH	-11.37	25.62	-34.20	-55.48	-66.67
<b>MAHUVA</b>					
1984-85	10,408	4,446	1,506	3,972	484
1988-89	16,046	6,249	1,685	7,325	787
% GROWTH	54.17	40.55	11.89	84.42	62.60
<b>MANGROL</b>					
1984-85	1,922	1,561	146	118	97
1988-89	2,689	1,933	213	503	40
% GROWTH	39.91	23.83	45.89	326.27	-58.76

CONTD.

1	2	3	4	5	6
MODASA					
1984-85					
1988-89	4,672	2,894	256	1,418	104
% GROWTH	0.00	0.00	0.00	0.00	0.00
MORVI					
1984-85	9,053	7,340	476	850	387
1988-89	16,425	12,428	2,105	1,214	678
% GROWTH	81.43	69.32	342.23	42.82	75.19
PALITANA					
1984-85	6,124	3,265	250	2,239	370
1988-89	9,600	4,692	293	4,439	176
% GROWTH	56.76	43.71	17.20	98.26	-52.43
PORBANDAR					
1984-85	14,970	10,170	2,924	1,339	537
1988-89	22,603	14,836	4,380	2,413	974
% GROWTH	50.99	45.88	49.79	80.21	81.38
RAJKOT					
1984-85	86,996	75,804	1,888	5,807	3,497
1988-89	179,385	122,339	3,250	36,880	16,916
% GROWTH	106.20	61.39	72.14	535.10	383.73
SAVARKUNDLA					
1984-85	7,775	4,452	374	2,855	94
1988-89	13,275	6,558	582	5,893	242
% GROWTH	70.74	47.30	55.61	106.41	157.45
SURENDRANAGAR					
1984-85	15,509	10,433	252	4,266	558
1988-89	22,194	12,144	391	9,286	373
% GROWTH	43.10	16.40	55.16	117.67	-33.15
UNA					
1984-85					
1988-89	5,973	3,850	71	177	1,875
% GROWTH	0.00	0.00	0.00	0.00	0.00
UPLETA					
1984-85	8,262	4,631	879	2,213	539
1988-89	12,616	6,349	1,776	2,305	2,186
% GROWTH	52.70	37.10	102.05	4.16	305.57
VERAVALPATAN					
1984-85	10,673	7,508	1,487	1,496	182
1988-89	16,923	11,356	3,134	2,073	360
% GROWTH	58.56	51.25	110.76	38.57	97.80
WADHWAN					
1984-85	2,472	1,981	66	222	203
1988-89	4,839	3,776	90	733	240
% GROWTH	95.75	90.61	36.36	230.18	18.23

CONTD.

	1	2	3	4	5	6
<b>WANKANER</b>						
1984-85		2,244	1,818	144	140	142
1988-89		4,086	3,268	166	539	113
% GROWTH		82.09	79.76	15.28	285.00	-20.42
<b>TOTAL</b>						
1984-85		353,364	247,484	20,698	70,374	14,808
1988-89		643,015	416,017	45,724	145,345	35,929
% GROWTH		81.97	68.10	120.91	106.53	142.63
<b>KUCHCHH</b>						
<b>ANJAR</b>						
1984-85		5,547	2,862	467	2,082	136
1988-89		10,559	5,081	711	4,550	217
% GROWTH		90.36	77.53	52.25	118.54	59.56
<b>BHUJ</b>						
1984-85		11,807	6,444	668	594	4,101
1988-89		16,236	11,409	1,018	3,136	673
% GROWTH		37.51	77.05	52.40	427.95	-83.59
<b>GANDHIDHAM</b>						
1984-85		5,882	4,604	279	929	70
1988-89		12,640	10,426	500	1,485	229
% GROWTH		114.89	126.46	79.21	59.85	227.14
<b>MANDVI</b>						
1984-85		2,587	2,062	191	255	79
1988-89		3,826	2,996	276	422	132
% GROWTH		47.89	45.30	44.50	65.49	67.09
<b>TOTAL</b>						
1984-85		25,823	15,972	1,605	3,860	4,386
1988-89		43,261	29,912	2,505	9,593	1,251
% GROWTH		67.53	87.28	56.07	148.52	-71.48
<b>GUJARAT</b>						
1984-85		1,874,761	1,298,289	150,527	291,387	134,558
1988-89		3,497,690	2,378,682	270,003	652,741	196,264
% GROWTH		86.57	83.22	79.37	124.01	45.86

SOURCE: NIUA SURVEY, 1991

ANNEX B:20

COMPONENT WISE PER CAPITA REVENUE INCOME OF MUNICIPAL BODIES  
ACCORDING TO SIZE CLASS OF CITIES, 1984-85 AND 1988-89  
(AT CONSTANT PRICES)

MUNICIPAL BODY/ SIZE CLASS	PER CAPITA INCOME (RS.)									
	1984-85					1988-89				
	TOTAL	TAX	NON-TAX	GRANTS	OTHERS	TOTAL	TAX	NON-TAX	GRANTS	OTHERS
1	2	3	4	5	6	7	8	9	10	11
CLASS AA										
AHMEDABAD	303.55	218.43	11.50	34.86	38.75	348.46	245.80	23.76	61.54	17.36
BHAVNAGAR	160.51	98.71	14.34	44.22	3.24	177.35	119.31	16.57	39.20	2.26
JAMNAGAR	167.17	113.82	2.41	38.91	12.02	194.18	130.97	16.68	35.60	10.93
RAJKOT	167.07	145.58	3.63	11.15	6.72	217.89	148.60	3.95	44.80	20.55
SURAT	294.89	240.72	5.37	42.96	5.84	414.12	333.09	8.42	53.73	18.88
VADODARA	320.62	191.29	90.05	32.36	6.92	362.52	248.20	31.09	48.15	35.08
TOTAL	273.89	196.64	22.32	34.42	20.50	330.17	238.12	19.27	53.11	19.67
CLASS A										
BHARUCH	157.27	93.75	3.58	55.79	4.15	178.35	98.46	4.31	72.33	3.22
JUNAGADH	125.64	95.52	15.48	7.40	7.24	110.57	78.32	12.84	11.55	7.84
NADIAD	188.54	110.17	8.48	61.51	8.39	184.13	96.73	10.68	68.32	8.39
NAVSARI	163.44	115.30	0.89	41.33	5.91	179.79	109.30	4.83	59.24	6.40
PORBANDAR	121.28	82.39	23.69	10.85	4.35	126.44	82.99	24.50	13.49	5.44
VERAVALPATAN	88.73	62.42	12.36	12.44	1.51	91.15	61.16	16.88	11.16	1.94
TOTAL	143.04	94.21	10.71	32.69	5.44	146.79	88.30	12.22	40.54	5.72
CLASS B										
AMRELI	97.23	48.36	9.76	37.98	1.12	162.52	68.67	39.53	52.14	2.16
ANAND	232.22	102.20	27.76	42.41	59.86	195.25	106.15	20.26	52.45	16.37
BHUJ	150.89	82.35	8.54	7.59	52.41	136.75	96.09	8.57	26.41	5.67
BOTAD	105.83	59.04	3.24	40.98	2.56	95.91	45.94	1.75	47.38	0.82
DAHOD	87.68	54.97	3.14	23.14	6.44	97.46	66.30	3.61	23.30	4.23
DHORAJI	89.79	58.94	4.28	20.27	6.29	84.20	57.69	8.20	16.72	1.58
DHRANGADHRA	78.12	59.69	4.16	11.10	3.17	98.99	74.21	3.78	14.50	6.46
GANDHIDHAM	79.72	62.40	3.78	12.59	0.95	105.52	87.04	4.17	12.39	1.91
GODHRA	101.46	46.13	2.07	51.52	1.74	142.07	47.62	4.01	80.27	10.15
GONDAL	158.54	98.73	5.72	48.12	5.97	174.36	94.10	8.49	68.33	3.43

CONTD...



1	2	3	4	5	6	7	8	9	10	11
JETPUR	143.33	86.68	4.97	47.88	3.79	124.47	63.03	5.38	54.31	1.72
KALOL	151.42	88.05	7.91	48.50	6.96	103.47	70.97	4.66	22.38	5.44
KHAMBHAT	98.78	73.41	7.98	8.64	8.75	116.87	72.82	13.73	25.25	5.06
MAHUVA	171.74	73.36	24.85	65.54	7.99	173.38	67.52	18.19	79.14	8.50
MEHESANA	89.85	63.88	6.94	13.35	5.68	111.14	78.32	25.89	5.22	1.69
MORVI	114.68	92.98	6.03	10.77	4.90	143.01	108.21	18.32	10.57	5.90
PALANPUR	108.42	71.86	12.10	22.03	2.43	367.13	76.14	211.39	74.70	4.86
PATAN	121.26	58.77	8.47	44.71	9.32	199.91	59.04	80.29	54.59	5.97
SIDHPUR	124.50	68.66	7.01	45.78	3.05	269.66	61.77	106.47	93.75	7.65
SURENDRANAGAR	153.74	103.42	2.50	42.29	5.53	144.63	79.14	2.55	60.51	2.43
UPLETA	126.14	70.70	13.42	33.79	8.23	119.47	60.13	16.82	21.82	20.69
VALSAD	161.73	100.43	27.29	29.02	5.00	149.17	100.61	23.93	21.19	3.41
TOTAL	126.62	74.62	9.03	32.40	10.56	150.42	74.98	27.72	41.89	5.83
ANJAR	151.79	78.32	12.78	56.97	3.72	196.71	94.64	13.24	84.77	4.03
ANKLESVAR	182.53	97.72	10.03	73.90	0.88	216.52	92.37	12.48	105.64	5.99
BAGASARA	0.00	0.00	0.00	0.00	0.00	84.90	64.55	3.09	15.77	1.45
BARDOLI	0.00	0.00	0.00	0.00	0.00	87.49	76.06	9.90	1.47	0.00
BILIMORA	107.98	78.29	7.35	18.12	4.21	113.59	55.28	8.26	49.79	0.24
BORSAD	81.33	47.37	12.52	12.52	8.91	84.76	44.41	10.65	23.25	6.43
DABHOI	125.93	55.10	2.07	62.76	5.99	123.37	64.73	3.30	51.60	3.70
DAHEBAM	0.00	0.00	0.00	0.00	0.00	86.54	61.98	11.71	10.57	2.24
DEESA	138.41	94.12	19.74	21.65	2.89	122.70	73.70	10.83	18.17	19.98
DHOLKA	54.36	43.91	1.88	8.23	0.33	64.13	50.02	1.55	11.50	1.04
HIMMATNAGAR	0.00	0.00	0.00	0.00	0.00	89.44	65.90	2.15	11.74	9.59
JAMBUSAR	0.00	0.00	0.00	0.00	0.00	105.66	38.84	10.07	55.25	1.46
KADI	83.92	54.51	10.03	16.26	3.13	70.65	38.84	14.16	15.24	2.36
KAPADWANJ	198.85	71.09	18.13	102.12	7.52	225.34	61.29	80.71	50.62	32.67
KESOD	0.00	0.00	0.00	0.00	0.00	74.90	67.31	1.96	2.74	2.87
KHAMBHALIYA	0.00	0.00	0.00	0.00	0.00	90.07	72.85	4.56	9.60	3.01
LIMBADI	159.16	84.65	10.41	58.18	5.92	96.55	72.78	4.68	17.71	1.33
MANDVI	76.09	60.65	5.62	7.50	2.32	78.66	61.60	5.67	8.67	2.70
MANGROL	45.93	37.31	3.49	2.82	2.32	42.02	30.21	3.32	7.86	0.61
MCDASA	0.00	0.00	0.00	0.00	0.00	81.51	50.48	4.46	24.73	1.79
PADRA	0.00	0.00	0.00	0.00	0.00	153.30	62.09	13.22	76.80	1.12
PALITANA	162.11	86.43	6.62	59.27	9.79	171.48	83.81	5.21	79.27	3.14
PETLAD	89.83	54.79	18.99	13.06	3.00	77.77	52.32	4.68	18.22	2.52
RAJPIPLA	176.83	96.80	6.28	66.28	7.48	188.70	79.76	4.98	100.40	3.50
SAVARKUNDLA	140.29	80.33	6.75	51.52	1.70	159.08	78.58	6.96	70.61	2.90

CONTD....

1	2	3	4	5	6	7	8	9	10	11
UMRETH	91.82	45.06	7.64	25.17	13.95	83.91	57.11	4.87	11.02	10.89
LNA	0.00	0.00	0.00	0.00	0.00	118.96	76.68	1.40	3.50	37.33
UNJHA	152.59	80.61	10.79	55.24	5.95	166.48	69.03	15.21	67.78	14.42
VIRAMGAM	110.71	65.44	12.31	25.64	7.31	88.54	55.66	14.50	17.78	0.57
VISNAGAR	76.86	42.93	22.58	7.12	4.22	183.14	38.98	134.21	6.85	3.08
VYARA	0.00	0.00	0.00	0.00	0.00	124.22	71.05	8.27	9.37	35.51
WADHWAN	57.86	46.37	1.54	5.20	4.75	76.16	59.44	1.40	11.53	3.77
WANKANER	65.90	53.39	4.23	4.11	4.17	83.95	67.15	3.39	11.05	2.31
TOTAL	82.01	47.54	7.13	23.89	3.45	115.96	62.81	14.33	32.33	6.48
GUJARAT	208.45	144.35	16.74	32.40	14.96	252.60	171.78	19.50	47.14	14.17

SOURCE: NIUA SURVEY, 1991

ANNEX B:21

COMPONENT WISE PER CAPITA REVENUE INCOME OF MUNICIPAL BODIES  
ACCORDING TO REGIONS, 1984-85 AND 1988-89  
(AT CONSTANT PRICES)

MUNICIPAL BODY/ REGION	PER CAPITA INCOME (RS.)									
	1984-85					1988-89				
	TOTAL	TAX	NON-TAX	GRANTS	OTHERS	TOTAL	TAX	NON-TAX	GRANTS	OTHERS
1	2	3	4	5	6	7	8	9	10	11
<b>SOUTH</b>										
ANKLESVAR	182.53	97.72	10.03	73.90	0.88	216.52	92.37	12.48	105.64	5.99
BARDOLI	0.00	0.00	0.00	0.00	0.00	87.49	76.06	9.90	1.47	0.00
BHARUCH	157.27	93.75	3.58	55.79	4.15	178.35	98.46	4.31	72.33	3.22
BILIMORA	107.98	78.29	7.35	18.12	4.21	113.59	55.28	8.26	49.79	0.24
DABHOI	125.93	55.10	2.07	62.76	5.99	123.37	64.73	3.30	51.60	3.70
DAHOD	87.68	54.97	3.14	23.14	6.44	97.46	66.30	3.61	23.30	4.23
GODHRA	101.46	46.13	2.07	51.52	1.74	142.07	47.62	4.01	80.27	10.15
JAMBUSAR	0.00	0.00	0.00	0.00	0.00	105.66	38.84	10.07	55.25	1.46
NAVSARI	163.44	115.30	0.89	41.33	5.91	179.79	109.30	4.83	59.24	6.40
PADRA	0.00	0.00	0.00	0.00	0.00	153.30	62.09	13.22	76.80	1.12
RAJPIPLA	176.83	96.80	6.28	66.28	7.48	188.70	79.76	4.98	100.40	3.50
SURAT	294.89	240.72	5.37	42.96	5.84	414.12	333.09	8.42	53.73	18.88
VADODARA	320.62	191.29	90.05	32.36	6.92	362.52	248.20	31.09	48.15	35.08
VALSAD	161.73	100.43	27.29	29.02	5.00	149.17	100.61	23.93	21.19	3.41
VYARA	0.00	0.00	0.00	0.00	0.00	124.22	71.05	8.27	9.37	35.51
<b>TOTAL</b>	<b>252.30</b>	<b>174.47</b>	<b>34.16</b>	<b>38.05</b>	<b>5.62</b>	<b>323.92</b>	<b>234.27</b>	<b>16.03</b>	<b>52.78</b>	<b>20.84</b>
<b>CENTRAL</b>										
AHMEDABAD	303.55	218.43	11.50	34.86	38.75	348.46	245.80	23.76	61.54	17.36
ANAND	232.22	102.20	27.76	42.41	59.86	195.25	106.15	20.26	52.45	16.37
BORSAD	81.33	47.37	12.52	12.52	8.91	84.76	44.41	10.65	23.25	6.43
DAHEBAM	0.00	0.00	0.00	0.00	0.00	86.54	61.98	11.71	10.57	2.24
DHOLKA	54.36	43.91	1.88	8.23	0.33	64.13	50.02	1.55	11.50	1.04
KAPADWANJ	198.85	71.09	18.13	102.12	7.52	225.34	61.29	80.71	50.62	32.67
KHAMBHAT	98.78	73.41	7.98	8.64	8.75	116.87	72.82	13.73	25.25	5.06
NADIAD	188.54	110.17	8.48	61.51	8.39	184.13	96.73	10.68	68.32	8.39
PETLAD	89.83	54.79	18.99	13.06	3.00	77.77	52.32	4.68	18.22	2.52
UMRETH	91.82	45.06	7.64	25.17	13.95	83.91	57.11	4.87	11.02	10.89
VIRAMGAM	110.71	65.44	12.31	25.64	7.31	88.54	55.66	14.50	17.78	0.57
<b>TOTAL</b>	<b>268.84</b>	<b>188.32</b>	<b>11.72</b>	<b>35.04</b>	<b>33.76</b>	<b>304.62</b>	<b>210.23</b>	<b>22.04</b>	<b>56.79</b>	<b>15.56</b>

CONTD...

1	2	3	4	5	6	7	8	9	10	11
NORTH										
DEESA	138.41	94.12	19.74	21.65	2.89	122.70	73.70	10.83	18.17	19.98
KADI	83.92	54.51	10.03	16.26	3.13	70.65	38.84	14.16	15.24	2.36
KALOL	151.42	88.05	7.91	48.50	6.96	103.47	70.97	4.66	22.38	5.44
MEHESANA	89.85	63.88	6.94	13.35	5.68	111.14	78.32	25.89	5.22	1.69
PALANPUR	108.42	71.86	12.10	22.03	2.43	367.13	76.14	211.39	74.70	4.86
PATAN	121.26	58.77	8.47	44.71	9.32	199.91	59.04	80.29	54.59	5.97
SIDHPUR	124.50	68.66	7.01	45.78	3.05	269.66	61.77	106.47	93.75	7.65
UNJHA	152.59	80.61	10.79	55.24	5.95	166.48	69.03	15.21	67.78	14.42
VISNAGAR	76.86	42.93	22.58	7.12	4.22	183.14	38.98	134.21	6.85	3.08
TOTAL	116.79	69.37	11.06	31.16	5.21	181.90	65.12	70.34	39.76	6.69
SARASHTRA										
AMRELI	97.23	48.36	9.76	37.98	1.12	162.52	68.67	39.53	52.14	2.16
BAGASARA	0.00	0.00	0.00	0.00	0.00	84.90	64.55	3.09	15.77	1.45
BHAVNAGAR	160.51	98.71	14.34	44.22	3.24	177.35	119.31	16.57	39.20	2.26
BOTAD	105.83	59.04	3.24	40.98	2.56	95.91	45.94	1.75	47.38	0.82
DHORAJI	89.79	58.94	4.28	20.27	6.29	84.20	57.69	8.20	16.72	1.58
DHRANGADHRA	78.12	59.69	4.16	11.10	3.17	98.99	74.21	3.78	14.50	6.46
GONDAL	158.54	98.73	5.72	48.12	5.97	174.36	94.10	8.49	68.33	3.43
HIMMATNAGAR	0.00	0.00	0.00	0.00	0.00	89.44	65.90	2.15	11.74	9.59
JAMNAGAR	167.17	113.82	2.41	38.91	12.02	194.18	130.97	16.68	35.60	10.93
JETPUR	143.33	86.68	4.97	47.88	3.79	124.47	63.03	5.38	54.31	1.72
JUNAGADH	125.64	95.52	15.48	7.40	7.24	110.57	78.32	12.84	11.55	7.84
KESOD	0.00	0.00	0.00	0.00	0.00	74.90	67.31	1.96	2.74	2.87
KHAMBHALIYA	0.00	0.00	0.00	0.00	0.00	90.07	72.85	4.56	9.60	3.01
LIMBADI	159.16	84.65	10.41	58.18	5.92	96.55	72.78	4.68	17.71	1.33
MAHUVA	171.74	73.36	24.85	65.54	7.99	173.38	67.52	18.19	79.14	8.50
MANGROL	45.93	37.31	3.49	2.82	2.32	42.02	30.21	3.32	7.86	0.61
MODASA	0.00	0.00	0.00	0.00	0.00	81.51	50.48	4.46	24.73	1.79
MORVI	114.68	92.98	6.03	10.77	4.90	143.01	108.21	18.32	10.57	5.90
PALITANA	162.11	86.43	6.62	59.27	9.79	171.48	83.81	5.21	79.27	3.14
PORBANDAR	121.28	82.39	23.69	10.85	4.35	126.44	82.99	24.50	13.49	5.44
RAJKOT	167.07	145.58	3.63	11.15	6.72	217.89	148.60	3.95	44.80	20.55
SAVARKUNDLA	140.29	80.33	6.75	51.52	1.70	159.08	78.58	6.96	70.61	2.90
SURENDRANAGAR	153.74	103.42	2.50	42.29	5.53	144.63	79.14	2.55	60.51	2.43
UNA	0.00	0.00	0.00	0.00	0.00	118.96	76.68	1.40	3.50	37.33
UPLETA	126.14	70.70	13.42	33.79	8.23	119.47	60.13	16.82	21.82	20.69

CONTD...

1	2	3	4	5	6	7	8	9	10	11
VERAVALPATAN	88.73	62.42	12.36	12.44	1.51	91.15	61.16	16.88	11.16	1.94
WADHWAN	57.86	46.37	1.54	5.20	4.75	76.16	59.44	1.40	11.53	3.77
WANKANER	65.90	53.39	4.23	4.11	4.17	83.95	67.15	3.39	11.05	2.31
TOTAL	129.29	90.55	7.57	25.75	5.42	153.33	99.20	10.90	34.66	8.57
KUCHCHH										
ANJAR	151.79	78.32	12.78	56.97	3.72	196.71	94.64	13.24	84.77	4.03
BHUJ	150.89	82.35	8.54	7.59	52.41	136.75	96.09	8.57	26.41	5.67
GANDHIDHAM	79.72	62.40	3.78	12.59	0.95	105.52	87.04	4.17	12.39	1.91
MANDVI	76.09	60.65	5.62	7.50	2.32	78.66	61.60	5.67	8.67	2.70
TOTAL	116.02	71.76	7.21	17.34	19.71	126.94	87.76	7.35	28.14	3.67
GJJARAT	208.45	144.35	16.74	32.40	14.96	252.60	171.78	19.50	47.14	14.17

SOURCE: NIUA SURVEY, 1991

ANNEX B.22

ESTIMATED RESOURCE GAP AT CURRENT PRICES (1984-85 AND 1988-89 RESPECTIVELY)  
USING THE EXPENDITURE NORMS LAID DOWN BY THE ZAKARIA COMMITTEE  
ACCORDING TO SIZE CLASS OF CITIES

MUNICIPAL BODY/ SIZE CLASS	REVENUE EXPENDITURE NORMS (RS.PER CAPITA/ANNUM)		RESOURCE GAP			
	1984-85	1988-89	1984-85		1988-89	
			AMOUNT (RS)	% TO REVENUE INCOME	AMOUNT (RS)	% TO REVENUE INCOME
1	2	3	4	5	6	7
<b>CLASS AA</b>						
AHMEDABAD	210.76	286.48	-212198938.24	-30.57	-468288622.48	-39.16
BHAVNAGAR	210.76	286.48	17466808.28	31.31	18420534.56	19.54
JAMNAGAR	210.76	286.48	13825542.88	26.07	8715197.76	9.17
RAJKOT	210.76	286.48	22751157.96	26.15	-4854794.96	-2.71
SURAT	210.76	286.48	-79759623.16	-28.53	-316100998.56	-48.81
VADODARA	210.76	286.48	-96736125.04	-34.26	-214732085.44	-41.52
<b>TOTAL</b>	<b>210.76</b>	<b>286.48</b>	<b>-334651177.32</b>	<b>-23.05</b>	<b>-976840769.12</b>	<b>-35.79</b>
<b>CLASS A</b>						
BHARUCH	180.36	245.16	2735708.12	14.68	529125.80	1.72
JUNAGADH	180.36	245.16	7081928.68	43.56	13514295.28	64.07
NADIAD	180.36	245.16	-1303848.40	-4.34	-652997.28	-1.48
NAVSARI	180.36	245.16	2104569.60	10.35	319090.56	0.91
PORBANDAR	180.36	245.16	7292916.96	48.72	9827255.12	43.48
VERAVALPATAN	180.36	245.16	11021782.96	103.27	16760758.20	99.04
<b>TOTAL</b>	<b>180.36</b>	<b>245.16</b>	<b>28933057.92</b>	<b>26.09</b>	<b>40297527.68</b>	<b>23.59</b>
<b>CLASS B</b>						
AMRELI	149.15	202.73	3392759.30	53.40	-1274656.99	-7.69
ANAND	149.15	202.73	-8020313.25	-35.77	-6788238.96	-23.17
BHUJ	149.15	202.73	-136459.95	-1.16	1574438.69	9.70
BOTAD	149.15	202.73	2603318.40	40.93	5252717.74	56.41
DAHOD	149.15	202.73	3703287.50	70.10	4664752.81	53.90
DHORAJI	149.15	202.73	5017307.15	66.11	8299952.68	78.17
DHRANGADHRA	149.15	202.73	3991335.10	90.92	4246113.40	51.54
GANDHIDHAM	149.15	202.73	5122287.00	87.08	5329176.28	42.16
GODHRA	149.15	202.73	4532768.55	47.01	1131036.24	5.60
GONDAL	149.15	202.73	-668248.75	-5.92	-2521961.88	-13.96

CONTD....

1	2	3	4	5	6	7
JETPUR	149.15	202.73	429998.75	4.06	2996706.67	20.53
KALOL	149.15	202.73	-180874.05	-1.50	5724903.71	44.98
KHAMBHAT	149.15	202.73	3609983.90	51.00	3343227.26	28.35
MAHUVA	149.15	202.73	-1369211.70	-13.16	-2161630.49	-13.47
MEHESANA	149.15	202.73	4961187.30	66.00	5046419.23	34.98
MORVI	149.15	202.73	2721050.15	30.06	804211.78	4.90
PALANPUR	149.15	202.73	2899005.50	37.57	-24257283.60	-59.14
PATAN	149.15	202.73	2397232.30	23.00	-6291871.89	-24.96
SIDHPUR	149.15	202.73	1414525.30	19.80	-10246972.60	-44.37
SURENDRANAGAR	149.15	202.73	-463195.45	-2.99	826194.23	3.72
UPLETA	149.15	202.73	1507175.85	18.24	3224511.28	25.56
VALSAD	149.15	202.73	-742482.30	-7.78	74153.25	0.57
TOTAL	149.15	202.73	36722436.60	17.80	-1004101.16	0.26
ANJAR	131.06	178.14	-757674.42	-13.66	-3483635.48	-32.99
ANKLESVAR	131.06	178.14	-2160494.38	-28.20	-5583152.66	-39.12
BAGASARA	131.06	178.14	0.00	0.00	1700496.20	55.23
BARDOLI	131.06	178.14	0.00	0.00	2281640.04	50.67
BILIMORA	131.06	178.14	1237878.86	21.38	1619567.32	16.05
BORSAD	131.06	178.14	2109254.60	61.16	2956797.44	55.52
DABHOI	131.06	178.14	242405.46	4.07	574935.96	6.85
DAHEBAM	131.06	178.14	0.00	0.00	1990853.74	52.31
DEESA	131.06	178.14	-357970.44	-5.31	700453.44	7.42
DHOLKA	131.06	178.14	3708226.76	141.10	4828435.72	105.49
HIMMATNAGAR	131.06	178.14	0.00	0.00	3468623.98	47.39
JAMBUSAR	131.06	178.14	0.00	0.00	1137160.54	24.76
KADI	131.06	178.14	1777224.12	56.17	3396594.46	86.58
KAPADWANJ	131.06	178.14	-2516659.62	-34.09	-4951009.22	-41.50
KESOD	131.06	178.14	0.00	0.00	3648249.04	75.97
KHAMBHALIYA	131.06	178.14	0.00	0.00	1856972.06	46.32
LIMBADI	131.06	178.14	-939533.14	-17.66	1721267.04	36.50
MANDVI	131.06	178.14	1868646.82	72.23	2585436.74	67.58
MANGROL	131.06	178.14	3561943.58	185.32	5742722.48	213.56
MODASA	131.06	178.14	0.00	0.00	2883629.96	61.72
PADRA	131.06	178.14	0.00	0.00	-858578.34	-14.02
PALITANA	131.06	178.14	-1172946.38	-19.15	-2220194.22	-23.13
PETLAD	131.06	178.14	2077899.76	45.90	3944410.24	69.47
RAJPIPLA	131.06	178.14	-1406870.90	-25.89	-2484158.92	-30.14
SAVARKUNDLA	131.06	178.14	-511654.80	-6.58	-2275033.14	-17.14

CONTD....

1	2	3	4	5	6	7
UMRETH	131.06	178.14	1181740.84	42.74	2073674.44	57.05
UNA	131.06	178.14	0.00	0.00	645791.70	10.81
UNJHA	131.06	178.14	-925978.34	-14.11	-2297192.54	-20.82
VIRAMGAM	131.06	178.14	1021556.70	18.38	3052304.74	48.88
VISNAGAR	131.06	178.14	2839447.04	70.53	-4081173.56	-28.02
VYARA	131.06	178.14	0.00	0.00	297651.18	6.11
WADHWAN	131.06	178.14	3127276.38	126.51	3534470.70	73.04
WANKANER	131.06	178.14	2218593.00	98.87	2328465.12	56.99
TOTAL	131.06	178.14	63182944.34	59.81	30736476.20	13.67
GUJARAT	148.55	201.91	-538701111.60	-28.73	-1428780418.28	-40.84

SOURCE: NIUA SURVEY, 1991



ANNEX B:23

ESTIMATED RESOURCE GAP AT CURRENT PRICES (1984-85 AND 1988-89 RESPECTIVELY)  
USING THE EXPENDITURE NORMS LAID DOWN BY THE ZAKARIA COMMITTEE  
ACCORDING TO REGIONS

MUNICIPAL BODY/ REGION	REVENUE EXPENDITURE NORMS (RS.PER CAPITA/ANNUM)		RESOURCE GAP			
	1984-85	1988-89	1984-85		1988-89	
			AMOUNT (RS.)	% TO REVENUE INCOME	AMOUNT (RS.)	% TO REVENUE INCOME
1	2	3	4	5	6	7
<b>SOUTH</b>						
ANKLESVAR	131.06	178.14	-2160494.38	-28.20	-5583152.66	-39.1
BARDOLI	131.06	178.14	0.00	0.00	2281640.04	50.6
BHARUCH	180.36	245.16	2735708.12	14.68	529125.80	1.7
BILIMORA	131.06	178.14	1237878.86	21.38	1619567.32	16.0
DABHOI	131.06	178.14	242405.46	4.07	574935.96	6.8
DAHOD	149.15	202.73	3703287.50	70.10	4664752.81	53.9
GODHRA	149.15	202.73	4532768.55	47.01	1131036.24	5.6
JAMBUSAR	131.06	178.14	0.00	0.00	1137160.54	24.7
NAVSARI	180.36	245.16	2104569.60	10.35	319090.56	0.9
PADRA	131.06	178.14	0.00	0.00	-858578.34	-14.0
RAJPIPLA	131.06	178.14	-1406870.90	-25.89	-2484158.92	-30.1
SURAT	210.76	286.48	-79759623.16	-28.53	-316100998.56	-48.8
VADODARA	210.76	286.48	-96736125.04	-34.26	-214732085.44	-41.5
VALSAD	149.15	202.73	-742482.30	-7.78	74153.25	0.5
VYARA	131.06	178.14	0.00	0.00	297651.18	6.1
<b>TOTAL</b>	<b>151.87</b>	<b>206.43</b>	<b>-258792222.69</b>	<b>-39.81</b>	<b>-704729346.73</b>	<b>-52.8</b>
<b>CENTRAL</b>						
AHMEDABAD	210.76	286.48	-212198938.24	-30.57	-468288622.48	-39.1
ANAND	149.15	202.73	-8020313.25	-35.77	-6788238.96	-23.1
BORSAD	131.06	178.14	2109254.60	61.16	2956797.44	55.5
DAHEBAM	131.06	178.14	0.00	0.00	1990853.74	52.3
DHOLKA	131.06	178.14	3708226.76	141.10	4828435.72	105.4

CONTD...

1	2	3	4	5	6	7
KAPADWANJ	131.06	178.14	-2516659.62	-34.09	-4951009.22	-41.5
KHAMBHAT	149.15	202.73	3609983.90	51.00	3343227.26	28.3
NADIAD	180.36	245.16	-1303848.40	-4.34	-652997.28	-1.4
PETLAD	131.06	178.14	2077899.76	45.90	3944410.24	69.4
UMRETH	131.06	178.14	1181740.84	42.74	2073674.44	57.0
VIRAMGAM	131.06	178.14	1021556.70	18.38	3052304.74	48.8
TOTAL	146.07	198.55	-356219805.04	-45.67	-684527440.70	-51.7
NORTH						
DEESA	131.06	178.14	-357970.44	-5.31	700453.44	7.4
KADI	131.06	178.14	1777224.12	56.17	3396594.46	86.5
KALOL	149.15	202.73	-180874.05	-1.50	5724903.71	44.9
MEHSANA	149.15	202.73	4961187.30	66.00	5046419.23	34.9
PALANPUR	149.15	202.73	2899005.50	37.57	-24257283.60	-59.1
PATAN	149.15	202.73	2397232.30	23.00	-6291871.89	-24.9
SIDHPUR	149.15	202.73	1414525.30	19.80	-10246972.60	-44.3
UNJHA	131.06	178.14	-925978.34	-14.11	-2297192.54	-20.8
VISNAGAR	131.06	178.14	2839447.04	70.53	-4081173.56	-28.0
TOTAL	141.11	191.80	13612249.12	20.82	-34154983.00	-21.9
SAURASHTRA						
AMRELI	149.15	202.73	3392759.30	53.40	-1274656.99	-7.6
BAGASARA	131.06	178.14	0.00	0.00	1700496.20	55.2
BHAVNAGAR	210.76	286.48	17466808.28	31.31	18420534.56	19.5
BOTAD	149.15	202.73	2603318.40	40.93	5252717.74	56.4
DHORAJI	149.15	202.73	5017307.15	66.11	8299952.68	78.1
DHRANGADHRA	149.15	202.73	3991335.10	90.92	4246113.40	51.5
GONDAL	149.15	202.73	-668248.75	-5.92	-2521961.88	-13.9
HIMMATNAGAR	131.06	178.14	0.00	0.00	3468623.98	47.3
JAMNAGAR	210.76	286.48	13825542.88	26.07	8715197.76	9.1
JETPUR	149.15	202.73	429998.75	4.06	2996706.67	20.5
JUNAGADH	180.36	245.16	7081928.68	43.56	13514295.28	64.0
KESOD	131.06	178.14	0.00	0.00	3648249.04	75.9
KHAMBHALIYA	131.06	178.14	0.00	0.00	1856972.06	46.3
LIMBADI	131.06	178.14	-939533.14	-17.66	1721267.04	36.5
MAHUVA	149.15	202.73	-1369211.70	-13.16	-2161630.49	-13.4
MANGROL	131.06	178.14	3561943.58	185.32	5742722.48	213.5
MODASA	131.06	178.14	0.00	0.00	2883629.96	61.7
MORVI	149.15	202.73	2721050.15	30.06	804211.78	4.9
PALITANA	131.06	178.14	-1172946.38	-19.15	-2220194.22	-23.1
PORBANDAR	180.36	245.16	7292916.96	48.72	9827255.12	43.4

CONTD...

1	2	3	4	5	6	7
RAJKOT	210.76	286.48	22751157.96	26.15	-4854794.96	-2.7
SAVARKUNDLA	131.06	178.14	-511654.80	-6.58	-2275033.14	-17.1
SURENDRANAGAR	149.15	202.73	-463195.45	-2.99	826194.23	3.7
UNA	131.06	178.14	0.00	0.00	645791.70	10.8
UPLETA	149.15	202.73	1507175.85	18.24	3224511.28	25.5
VERAVALPATAN	180.36	245.16	11021782.96	103.27	16760758.20	99.0
WADHWAN	131.06	178.14	3127276.38	126.51	3534470.70	73.0
WANKANER	131.06	178.14	2218593.00	98.87	2328465.12	56.9
TOTAL	151.34	205.71	60279698.72	17.06	-4650790.96	-0.7
KUCHCHH						
ANJAR	131.06	178.14	-757674.42	-13.66	-3483635.48	-32.9
BHUJ	149.15	202.73	-136459.95	-1.16	1574438.69	9.7
GANDHIDHAM	149.15	202.73	5122287.00	87.08	5329176.28	42.1
MANDVI	131.06	178.14	1868646.82	72.23	2585436.74	67.5
TOTAL	140.10	190.44	5358636.70	20.75	-4765065.14	-11.0
GUJARAT	148.55	201.91	-538701111.60	-28.73	-1428780418.28	-40.8

SOURCE: NIUA SURVEY, 1991

ANNEX B:24

OUTSTANDING LIABILITIES OF MUNICIPAL BODIES  
ACCORDING TO SIZE CLASS OF CITIES  
(AS ON 1.4.1987)

MUNICIPAL BODY/ SIZE CLASS	TOTAL REVENUE INCOME 1986-87 (RS.)	AMOUNT OF LIABILITIES (RS.)	% LIABI- LITIES TO REVENUE INCOME
1	2	3	4
<b>CLASS AA</b>			
AHMEDABAD	978,076,000	5,177,000	0.529
BHAVNAGAR	66,391,000	23,841,576	35.911
JAMNAGAR	77,423,000	5,000,164	6.458
RAJKOT	151,689,000	14,132,000	9.316
SURAT	432,747,000	8,976,000	2.074
VADODARA	343,314,000	29,192,000	8.503
<b>TOTAL</b>	<b>2,049,640,000</b>	<b>86,318,740</b>	<b>4.211</b>
<b>CLASS A</b>			
BHARUCH	24,818,000	5,129,077	20.667
JUNAGADH	20,282,000	367,587	1.812
NADIAD	36,117,000	770,000	2.132
NAVSARI	28,427,000	164,179	0.578
PORBANDAR	18,307,000	1,607,694	8.782
VERAVALPATAN	13,535,000	2,725,964	20.140
<b>TOTAL</b>	<b>141,486,000</b>	<b>10,764,501</b>	<b>7.608</b>
<b>CLASS B</b>			
AMRELI	9,144,000	7,773,547	85.013
ANAND	24,813,000	89,333	0.360
BHUJ	10,755,000	168,441	1.566
BOTAD	6,615,000	835,170	12.625
DAHOD	6,753,000	3,138,881	46.481
DHORAJI	7,266,000	3,047,213	41.938
DHRANGADHRA	6,021,000	644,405	10.703
GANDHIDHAM	7,472,000	31,113	0.416
GODHRA	14,238,000	3,797,596	26.672
GONDAL	13,134,000	867,000	6.601

CONTD....

1	2	3	4
JETPUR	13,765,000	8,547,407	62.095
KALOL	8,228,000	4,969,053	60.392
KHAMBHAT	9,974,000	854,709	8.569
MAHUVA	11,577,000	1,995,383	17.236
MEHESANA	12,641,000	365,813	2.894
MORVI	11,234,000	4,717,482	41.993
PALANPUR	23,428,000	3,566,534	15.223
PATAN	18,904,000	2,580,416	13.650
SIDHPUR	15,101,000	3,907,988	25.879
SURENDRANAGAR	18,768,000	11,755,752	62.637
UPLETA	8,645,000	3,255,130	37.653
VALSAD	10,245,000	222,664	2.173
<b>TOTAL</b>	<b>268,721,000</b>	<b>67,131,030</b>	<b>24.982</b>
ANJAR	6,652,000	559,362	8.409
ANKLESVAR	11,793,000	570,924	4.841
BAGASARA	2,184,000		0.000
BARDOLI	4,384,000		0.000
BILIMORA	8,511,000	1,783,795	20.959
BORSAD	3,921,000	15,001	0.383
DABHOI	8,283,000	1,614,305	19.489
DAHEBAM	2,586,000		0.000
DEESA	13,580,000	430,718	3.172
DHOLKA	2,829,000	1,074,845	37.994
HIMMATNAGAR	5,190,000		0.000
JAMBUSAR	3,121,000		0.000
KADI	3,489,000	902,528	25.868
KAPADWANJ	7,282,000	1,913,475	26.277
KESOD	3,355,000		0.000
KHAMBHALIYA	3,281,000		0.000
LIMBADI	6,926,000	3,015,110	43.533
MANDVI	2,961,000		0.000
MANGROL	2,086,000	130,257	6.244
MODASA	3,426,000		0.000
PADRA	2,728,000		0.000
PALITANA	7,603,000	3,259,922	42.877
PETLAD	5,393,000	807,335	14.970
RAJPIPLA	6,265,000	776,527	12.395
SAVARKUNDLA	11,446,000	1,759,796	15.375

CONTD....

1	2	3	4
UMRETH	2,452,000	146,787	5.986
UNA	3,511,000		0.000
UNJHA	8,506,000	1,318,627	15.502
VIRAMGAM	5,197,000	520,792	10.021
VISNAGAR	10,733,000		0.000
VYARA	2,376,000		0.000
WADHWAN	3,303,000	1,262,220	38.214
WANKANER	2,573,000	740,690	28.787
TOTAL	177,926,000	22,603,016	12.704
GUJARAT	2,637,773,000	186,817,287	7.082

SOURCE: NIUA SURVEY, 1991

ANNEX B:25

OUTSTANDING LIABILITIES OF MUNICIPAL BODIES  
ACCORDING TO REGIONS  
(AS ON 1.4.1987)

MUNICIPAL BODY/ REGION	TOTAL REVENUE INCOME 1986-87 (RS.)	AMOUNT OF LIABILITIES (RS.)	% LIABI- LITIES TO REVENUE INCOME
1	2	3	4
<b>SOUTH</b>			
ANKLESVAR	11,793,000	570,924	4.841
BARDOLI	4,384,000		0.000
BHARUCH	24,818,000	5,129,077	20.667
BILIMORA	8,511,000	1,783,795	20.959
DABHOI	8,283,000	1,614,305	19.489
DAHOD	6,753,000	3,138,881	46.481
GODHRA	14,238,000	3,797,596	26.672
JAMBUSAR	3,121,000		0.000
NAVSARI	28,427,000	164,179	0.578
PADRA	2,728,000		0.000
RAJPIPLA	6,265,000	776,527	12.395
SURAT	432,747,000	8,976,000	2.074
VADODARA	343,314,000	29,192,000	8.503
VALSAD	10,245,000	222,664	2.173
VYARA	2,376,000		0.000
<b>TOTAL</b>	<b>908,003,000</b>	<b>55,365,948</b>	<b>6.098</b>
<b>CENTRAL</b>			
AHMEDABAD	978,076,000	5,177,000	0.529
ANAND	24,813,000	89,333	0.360
BORSAD	3,921,000	15,001	0.383
DAHEBAM	2,586,000		0.000
DHOLKA	2,829,000	1,074,845	37.994
KAPADWANJ	7,282,000	1,913,475	26.277
KHAMBHAT	9,974,000	854,709	8.569
NADIAD	36,117,000	770,000	2.132
PETLAD	5,393,000	807,335	14.970
UMRETH	2,452,000	146,787	5.986
VIRAMGAM	5,197,000	520,792	10.021
<b>TOTAL</b>	<b>1,078,640,000</b>	<b>11,369,277</b>	<b>1.054</b>

CONTD..

1	2	3	4
NORTH			
DEESA	13,580,000	430,718	3.172
KADI	3,489,000	902,528	25.868
KALOL	8,228,000	4,969,053	60.392
MEHSANA	12,641,000	365,813	2.894
PALANPUR	23,428,000	3,566,534	15.223
PATAN	18,904,000	2,580,416	13.650
SIDHPUR	15,101,000	3,907,988	25.879
UNJHA	8,506,000	1,318,627	15.502
VISNAGAR	10,733,000		0.000
TOTAL	114,610,000	18,041,677	15.742
SAURASHTRA			
AMRELI	9,144,000	7,773,547	85.013
BAGASARA	2,184,000		0.000
BHAVNAGAR	66,391,000	23,841,576	35.911
BOTAD	6,615,000	835,170	12.625
DHORAJI	7,266,000	3,047,213	41.938
DHRANGADHRA	6,021,000	644,405	10.703
GONDAL	13,134,000	867,000	6.601
HIMMATNAGAR	5,190,000		0.000
JAMNAGAR	77,423,000	5,000,164	6.458
JETPUR	13,765,000	8,547,407	62.095
JUNAGADH	20,282,000	367,587	1.812
KESOD	3,355,000		0.000
KHAMBHALIYA	3,281,000		0.000
LIMBADI	6,926,000	3,015,110	43.533
MAHUVA	11,577,000	1,995,383	17.236
MANGROL	2,086,000	130,257	6.244
MODASA	3,426,000		0.000
MORVI	11,234,000	4,717,482	41.993
PALITANA	7,603,000	3,259,922	42.877
PORBANDAR	18,307,000	1,607,694	8.782
RAJKOT	151,689,000	14,132,000	9.316
SAVARKUNDLA	11,446,000	1,759,796	15.375
SURENDRANAGAR	18,768,000	11,755,752	62.637
UNA	3,511,000		0.000

CONTD..



1	2	3	4
UPLETA	8,645,000	3,255,130	37.653
VERAVALPATAN	13,535,000	2,725,964	20.140
WADHWAN	3,303,000	1,262,220	38.214
WANKANER	2,573,000	740,690	28.787
TOTAL	508,680,000	101,281,469	19.911
KUCHCHH			
ANJAR	6,652,000	559,362	8.409
BHUJ	10,755,000	168,441	1.566
GANDHIDHAM	7,472,000	31,113	0.416
MANDVI	2,961,000		0.000
TOTAL	27,840,000	758,916	2.726
GUJARAT	2,637,773,000	186,817,287	7.082

SOURCE: NIUA SURVEY, 1991

ANNEX B:26

GROWTH OF MUNICIPAL BORROWING IN GUJARAT  
ACCORDING TO SIZE CLASS OF CITIES, 1984-85 AND 1988-89

MUNICIPAL BODY/ SIZE CLASS	AMOUNT OF BORROWING ( '000 RS)		% TO REVENUE INCOME	
	1984-85	1988-89	1984-85	1988-89
1	2	3	4	5
<b>CLASS AA</b>				
AHMEDABAD	187,736	277,310	27.043	23.191
BHAVNAGAR	5,500	4,500	9.858	4.773
JAMNAGAR	21,200	67,327	39.981	70.875
RAJKOT	15,600	102,300	17.932	57.028
SURAT	37,000	52,900	13.235	8.168
VADODARA	32,041	62,900	11.349	12.163
<b>TOTAL</b>	<b>299,077</b>	<b>567,237</b>	<b>20.599</b>	<b>20.784</b>
<b>CLASS A</b>				
BHARUCH			0.000	0.000
JUNAGADH		1,065	0.000	5.049
NADIAD	900		2.996	0.000
NAVSARI			0.000	0.000
PORBANDAR	488		3.260	0.000
VERAVALPATAN	800	2,933	7.496	17.331
<b>TOTAL</b>	<b>2,188</b>	<b>3,998</b>	<b>1.973</b>	<b>2.341</b>
<b>CLASS B</b>				
AMRELI	2,750	2,067	43.287	12.476
ANAND	960		4.282	0.000
BHUJ		700	0.000	4.311
BOTAD		650	0.000	6.981
DAHOD	7,123	2,000	134.829	23.111
DHORAJI	800	2,506	10.542	23.601
DHRANGADHRA	350		7.973	0.000
GANDHIDHAM			0.000	0.000
GODHRA	1,638	2,770	16.988	13.703
GONDAL	106	923	0.939	5.111

CONTD....

1	2	3	4	5
JETPUR	2,500		23.627	0.000
KALOL			0.000	0.000
KHAMBHAT	2,481		35.047	0.000
MAHUVA		4,025	0.000	25.084
MEHESANA	1,385	1,489	18.425	10.322
MORVI	100		1.105	0.000
PALANPUR	1,252	453	16.226	1.104
PATAN	3,000	1,000	28.780	3.967
SIDHPUR		3,650	0.000	15.804
SURENDRANAGAR		7,643	0.000	34.437
UPLETA		350	0.000	2.774
VALSAD	2,200		23.041	0.000
TOTAL	26,645	30,226	12.914	8.104
CLASS C				
ANJAR			0.000	0.000
ANKLESVAR	476		6.212	0.000
BAGASARA			0.000	0.000
BARDOLI			0.000	0.000
BILIMORA	2,700	500	46.624	4.955
BORSAD			0.000	0.000
DABHOI		1,070	0.000	12.756
DAHEBAM			0.000	0.000
DEESA			0.000	0.000
DHOLKA			0.000	0.000
HIMMATNAGAR			0.000	0.000
JAMBUSAR		4,360	0.000	94.948
KADI			0.000	0.000
KAPADWANJ			0.000	0.000
KESOD		113	0.000	2.353
KHAMBHALIYA		208	0.000	5.188
LIMBADI			0.000	0.000
MANDVI			0.000	0.000
MANGROL	133	756	6.920	28.115
MODASA			0.000	0.000
PADRA		1,427	0.000	23.294
PALITANA		2,063	0.000	21.490
PETLAD	500	3,738	11.045	65.833
RAJPIPLA			0.000	0.000
SAVARKUNDLA	1,500	2,350	19.293	17.702

CONTD....

1	2	3	4	5
UMRETH			0.000	0.000
UNA		473	0.000	7.919
UNJHA			0.000	0.000
VIRAMGAM	2,000		35.991	0.000
VISNAGAR			0.000	0.000
VYARA		2,500	0.000	51.282
WADHWAN			0.000	0.000
WANKANER	50	100	2.228	2.447
TOTAL	7,359	19,658	6.967	8.749
GUJARAT	335,269	621,119	17.883	17.758

SOURCE: NIUA SURVEY, 1991

ANNEX B:27

GROWTH OF MUNICIPAL BORROWING IN GUJARAT  
ACCORDING TO REGIONS, 1984-85 AND 1988-89

MUNICIPAL BODY/ REGION	AMOUNT OF BORROWING ( '000 RS)		% TO REVENUE INCOME	
	1984-85	1988-89	1984-85	1988-89
1	2	3	4	5
<b>SOUTH</b>				
ANKLESVAR	476		6.212	0.000
BAROLI			0.000	0.000
BHARUCH			0.000	0.000
BILIMORA	2,700	500	46.624	4.955
DABHOI		1,070	0.000	12.756
DAHOD	7,123	2,000	134.829	23.111
GODHRA	1,638	2,770	16.988	13.703
JAMBUSAR		4,360	0.000	94.948
NAVSARI			0.000	0.000
PADRA		1,427	0.000	23.294
RAJPIPLA			0.000	0.000
SURAT	37,000	52,900	13.235	8.168
VADODARA	32,041	62,900	11.349	12.163
VALSAD	2,200		23.041	0.000
VYARA		2,500	0.000	51.282
<b>TOTAL</b>	<b>83,178</b>	<b>130,427</b>	<b>12.794</b>	<b>9.779</b>
<b>CENTRAL</b>				
AHMEDABAD	187,736	277,310	27.043	23.191
ANAND	960		4.282	0.000
BORSAD			0.000	0.000
DAHEBAM			0.000	0.000
DHOLKA			0.000	0.000
KAPADWANJ			0.000	0.000
KHAMBHAT	2,481		35.047	0.000
NADIAD	900		2.996	0.000
PETLAD	500	3,738	11.045	65.833
UMRETH			0.000	0.000
VIRAMGAM	2,000		35.991	0.000
<b>TOTAL</b>	<b>194,577</b>	<b>281,048</b>	<b>24.944</b>	<b>21.254</b>

CONTD..

1	2	3	4	5
<b>NORTH</b>				
DEESA			0.000	0.000
KADI			0.000	0.000
KALOL			0.000	0.000
MEHSANA	1,385	1,489	18.425	10.322
PALANPUR	1,252	453	16.226	1.104
PATAN	3,000	1,000	28.780	3.967
SIDHPUR		3,650	0.000	15.804
UNJHA			0.000	0.000
VISNAGAR			0.000	0.000
<b>TOTAL</b>	<b>5,637</b>	<b>6,592</b>	<b>8.622</b>	<b>4.241</b>
<b>SAURASHTRA</b>				
AMRELI	2,750	2,067	43.287	12.476
BAGASARA			0.000	0.000
BHAVNAGAR	5,500	4,500	9.858	4.773
BOTAD		650	0.000	6.981
DHORAJI	800	2,506	10.542	23.601
DHRANGADHRA	350		7.973	0.000
GONDAL	106	923	0.939	5.111
HIMMATNAGAR			0.000	0.000
JAMNAGAR	21,200	67,327	39.981	70.875
JETPUR	2,500		23.627	0.000
JUNAGADH		1,065	0.000	5.049
KESOD		113	0.000	2.353
KHAMBHALIYA		208	0.000	5.188
LIMBADI			0.000	0.000
MAHUVA		4,025	0.000	25.084
MANGROL	133	756	6.920	28.115
MODASA			0.000	0.000
MORVI	100		1.105	0.000
PALITANA		2,063	0.000	21.490
PORBANDAR	488		3.260	0.000
RAJKOT	15,600	102,300	17.932	57.028
SAVARKUNDLA	1,500	2,350	19.293	17.702
SURENDRANAGAR		7,643	0.000	34.437
UNA		473	0.000	7.919
UPLETA		350	0.000	2.774

CONTD..

1	2	3	4	5
VERAVALPATAN	800	2,933	7.496	17.331
WADHWAN			0.000	0.000
WANKANER	50	100	2.228	2.447
TOTAL	51,877	202,352	14.681	31.469
KUCHCHH				
ANJAR			0.000	0.000
BHUJ		700	0.000	4.311
GANDHIDHAM			0.000	0.000
MANDVI			0.000	0.000
TOTAL		700	0.000	1.618
GUJARAT	335,269	621,119	17.883	17.758

SOURCE: NIUA SURVEY, 1991

ANNEX C:1

FUNCTIONS OF MUNICIPAL CORPORATIONS AND MUNICIPALITIES IN GUJARAT

Major Heads	As per Bombay Provincial Municipal Corporation Act, 1949 (applicable to Municipal Corporations of Gujarat)	As per Gujarat Municipalities Act, 1964
1.	2.	3.
A. OBLIGATORY FUNCTIONS		
Public Health	<ol style="list-style-type: none"> <li>1. Watering, scavenging and cleaning of all public streets and places</li> <li>2. Collection, removal, treatment and disposal of sewage, offensive matter and rubbish</li> <li>3. Maintenance of municipal water works</li> <li>4. Construction, maintenance and cleaning of drains and drainage works and of public latrines, water closets, urinals and similar conveniences</li> <li>5. The regulation and abatement of offensive and dangerous trades</li> <li>6. Public vaccination</li> <li>7. Preventing and checking the spread of dangerous diseases</li> <li>8. Registration of births and deaths</li> </ol>	<ol style="list-style-type: none"> <li>1. Regulating or abating offensive or dangerous trades or Practices.</li> <li>2. Securing or removing dangerous buildings, places and reclaiming unhealthy localities</li> <li>3. Provision of water supply and watering public streets and places</li> <li>4. Public vaccination</li> <li>5. Cleaning public streets or places etc.</li> <li>6. Removal and disposing of night soil and rubbish preparation of compost manure</li> <li>7. Providing special medical aid</li> <li>8. Disposal of unclaimed dead bodies and carcasses of dead animals</li> <li>9. Maintaining of public latrines and urinals</li> <li>10. Registering births, marriage and deaths</li> </ol>
CONTD....		



1.	2.	3.
Medical Relief	Construction or acquisition and maintenance of public hospitals and dispensaries	Establishing and maintaining public hospitals dispensaries and family planning centres and providing public medical relief
Public works	<ol style="list-style-type: none"><li>1. Maintenance of Fire Brigade equipments with suitable appliances for extinguishing fire</li><li>2. Provision of street lighting</li><li>3. Maintenance of municipal office and all public monuments and open spaces</li><li>4. Maintenance of public markets and slaughter houses</li><li>5. Construction, maintenance and alteration and improvement public streets, bridges, sub-ways, culverts, causeways and the like</li><li>6. The securing or removal of dangerous buildings and places</li></ol>	<ol style="list-style-type: none"><li>1. Constructing and maintaining public streets, slaughter houses, culverts municipal boundary marks, markets etc.</li><li>2. Suitable accommodation for calves, cow or buffaloes etc.</li><li>3. Public street lights</li><li>4. Extinguishing fires and protecting life and property when fire occurs</li><li>5. Removing and projections in public streets or places</li><li>6. Erecting substantial boundary marks</li></ol>
Education	Maintaining and aiding for Primary Education	Establishing and maintaining primary schools
Others	<ol style="list-style-type: none"><li>1. Erection of substantial boundary marks</li><li>2. Naming or numbering of streets and of public places</li><li>3. Provision for the disposal of the dead and disposing of unclaimed dead bodies</li><li>4. Maintenance of cattle pounds</li><li>5. Compost manure</li><li>6. Reclamation of unhealthy localities; the removal of noxious vegetation</li><li>7. Maintenance of residential quarters for the municipal conservancy staff</li></ol>	<ol style="list-style-type: none"><li>1. Naming streets and numbering of premises</li><li>2. Printing such annual reports on the municipal administration</li><li>3. Improving agricultural by suitable measures including crop protection and crop experiments</li></ol>

CONTD....

1.	2.	3.
B. DISCRETIONARY FUNCTIONS		
Public Health	<ol style="list-style-type: none"><li>1. Provision of milk for nursing mothers schools, children.</li><li>2. Maintenance of chemical or bacteriological laboratories</li><li>3. Destruction of birds or animals causing nuisance.</li><li>4. Maintaining farms or factory for the disposal of sewage.</li><li>5. Provision for drainage and sewage.</li></ol>	<ol style="list-style-type: none"><li>1. Supplying and maintaining receptacles, fittings, pipes and other appliances;</li><li>2. Establishing and maintaining a farm or factory for the disposal of sewage.</li></ol>
Medical Relief	<ol style="list-style-type: none"><li>1. Maintenance of maternity and infant welfare homes or centres</li><li>2. Providing veterinary hospitals.</li></ol>	-----
Public Works	<ol style="list-style-type: none"><li>1. Maintenance of swimming pools, public wash houses, bathing places and other institutions.</li><li>2. Construction and maintenance of public parks, gardens, playgrounds and recreation ground.</li><li>3. Maintenance of public streets or places of drinking water for human beings.</li><li>4. Maintenance of an ambulance service.</li><li>5. Maintenance of theatres, rest houses, shops, stalls, dwellings or municipal conservancy staff houses.</li><li>6. Maintenance of library, museums and art galleries.</li><li>7. Laying out New Public Street.</li><li>8. Maintenance of suitable dwellings for the Poor or Working Classes.</li></ol>	<ol style="list-style-type: none"><li>1. Constructing and maintaining public parks, garden, libraries, museums etc.</li><li>2. Construction and maintenance of telephone lines.</li><li>3. Construction, maintenance of transport facilities</li><li>4. Maintenance of public streets.</li><li>5. Establishing and maintaining gymnasias, playgrounds, theatres, libraries etc.</li></ol>

CONTD....

1.	2.	3.
Education	-----	Establishing and maintaining Pre-primary schools, secondary schools and institutions for higher or technical education.
Others	<ol style="list-style-type: none"><li>1. Dairies or farms for the supply of milk and milk Products.</li><li>2. Planting and maintenance of trees on road sides.</li><li>3. Provision of music for the people</li><li>4. Holding of exhibition, athletics or games.</li><li>5. Regulation of lodging houses, camping grounds for rest houses.</li><li>6. Grants and loans for building purposes to municipal servants.</li><li>7. Provision of electric energy or gas.</li><li>8. Provision of Public transport</li><li>9. Grants to educational institutions</li><li>10. Public fund raised for the relief of human suffering within the city.</li><li>11. Preparation of presentation of addresses to persons of distinction.</li><li>12. Registration of marriages</li></ol>	<ol style="list-style-type: none"><li>1. Planting and maintaining road side and other trees.</li><li>2. Construction and maintenance of any works for the supply of electric energy or gas.</li><li>3. Construction of sanitary dwellings for the poorer classes.</li><li>4. Providing accommodation for all classes of servants employed by the municipality.</li><li>5. Undertaking cultural activities</li><li>6. Contributing by way of aid to Pre-primary schools, secondary schools, etc.</li><li>7. Creating funds of the local self-governments institutes.</li><li>8. Undertaking measures for Promotion of social and moral welfare of the population of the borough.</li><li>9. Setting up of dairies or farms for the supply, distribution and Processing of milk and milk products.</li><li>10. Promoting the well being of municipal employees or any class of municipal employees.</li><li>11. Constructing and maintaining residential buildings for housing houseless persons.</li><li>12. Encouraging formation of cooperative housing societies.</li></ol>

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CONTD....

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1.	2.	3.
13. Granting of rewards for information for securing for correct registration of vital statistics.		13. Undertaking manufacture of building materials.
14. Maintenance of grazing grounds.		14. Undertaking schemes of slum clearance or re-development of any area.
15. The provision of Shelter for destitute or homeless persons.		15. Taking a census and granting rewards for information.
16. Surveys of building or lands, and		16. Making a survey.
17. Other administrative works.		17. Paying the salaries and allowances, rent and other charges.
		18. Promoting the idea of cooperation in different walks of life and organising.
		19. Training the urban community in self-help and self-sufficiency on the Principle of mutual cooperation
		20. Other administrative works.

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CONTD....

AGENCIES FUNCTIONS  
(These functions may be transferred by the State Government)

NIL

1. Collection of land revenue.
2. Functions and duties relating to Government under any enactment which the State Legislature is competent to enact, or otherwise in the executive Power of the State and appear to relate to matters arising within a municipal borough and to be an administrative character.
3. Development Functions which are performed by the following Department viz.
  - i) Agriculture;
  - ii) Animal Husbandry;
  - iii) Public Health and Medical Relief;
  - iv) Public Works Department Activities in the district;
  - v) Social Welfare;
  - vi) Revenue Department;
  - vii) Prohibition Department so far as Prostitution propaganda is concerned;
  - viii) Cooperative Department;
  - ix) Cottage Industries and small scale industries; and
  - x) District Statistical office.

- Source: i) The Bombay Provincial Municipal Corporations, Act, 1949
- ii) Gujarat Att No. 34 of 1964, The Gujarat Municipalities Act, 1963.

ANNEX C:2

PATTERN OF REVENUE EXPENDITURE OF MUNICIPAL BODIES  
ACCORDING TO SIZE CLASS OF CITIES, 1988-89

MUNICIPAL BODY/ SIZE CLASS	REVENUE EXPENDITURE ('000 RS)									
	GENERAL ADMINIS- TRATION	PUBLIC SAFETY	WATER SUPPLY	PUBLIC HEALTH/ SANITATION	MEDICAL SERVICES/ RELIEF	EDUCATION	PUBLIC BUILDING WORKS	COMMERCIAL ACTIVITIES	OTHERS	TOTAL
1	2	3	4	5	6	7	8	9	10	11
CLASS AA										
AHMEDABAD	153,389	43,148	98,994	194,444	139,497	300,785	52,268		398,287	1,380,812
% SHARE	11.11	3.12	7.17	14.08	10.10	21.78	3.79	0.00	28.84	
BHAVNAGAR	7,419	4,254	16,785	20,804		22,273	6,511	10,853	1,864	90,763
% SHARE	8.17	4.69	18.49	22.92	0.00	24.54	7.17	11.96	2.05	
JAMNAGAR	10,946	3,544	9,607	16,247		18,490	4,332	11,213	19,192	93,571
% SHARE	11.70	3.79	10.27	17.36	0.00	19.76	4.63	11.98	20.51	
RAJKOT	29,177	7,669	12,818	32,863	2,163	40,141	24,006		8,801	157,638
% SHARE	18.51	4.86	8.13	20.85	1.37	25.46	15.23	0.00	5.58	
SURAT	38,436	20,152	41,766	87,854	20,854	97,836	51,090		88,966	446,954
% SHARE	8.60	4.51	9.34	19.66	4.67	21.89	11.43	0.00	19.90	
VADODARA	120,910	14,128	43,602	27,138	14,264	78,528	9,583	26,289	41,342	375,784
% SHARE	32.18	3.76	11.60	7.22	3.80	20.90	2.55	7.00	11.00	
TOTAL	360,277	92,895	223,572	379,350	176,778	558,053	147,790	48,355	558,452	2,545,522
% SHARE	14.15	3.65	8.78	14.90	6.94	21.92	5.81	1.90	21.94	
CLASS A										
BHARUCH	3,897	1,426	5,391	7,763	460	10,841	836		1,857	32,471
% SHARE	12.00	4.39	16.60	23.91	1.42	33.39	2.57	0.00	5.72	
JUNAGADH	3,923	1,447	3,827	6,256		426	847	1,958	3,232	21,916
% SHARE	17.90	6.60	17.46	28.55	0.00	1.94	3.86	8.93	14.75	
NADIAD	4,155	1,511	3,688	7,923	1,184	12,528	1,842	349	3,814	36,994
% SHARE	11.23	4.08	9.97	21.42	3.20	33.86	4.98	0.94	10.31	
NAVSARI	2,388	1,733	335	3,791	72	9,715	2,935		1,940	22,909
% SHARE	10.42	7.56	1.46	16.55	0.31	42.41	12.81	0.00	8.47	

CONTD....

1	2	3	4	5	6	7	8	9	10	11
PORBANDAR	5,748	1,704	1,313	6,869		3,064	1,586	3,445	965	24,694
% SHARE	23.28	6.90	5.32	27.82	0.00	12.41	6.42	13.95	3.91	
VERAVALPATAN	2,367	884	3,107	4,308	1,428	679	1,031	1,152	803	15,759
% SHARE	15.02	5.61	19.72	27.34	9.06	4.31	6.54	7.31	5.10	
TOTAL	22,478	8,705	17,661	36,910	3,144	37,253	9,077	6,904	12,611	154,743
% SHARE	14.53	5.63	11.41	23.85	2.03	24.07	5.87	4.46	8.15	
CLASS B										
AMRELI	2,108	386	2,455	2,970	27	5,859	364		2,235	16,404
% SHARE	12.85	2.35	14.97	18.11	0.16	35.72	2.22	0.00	13.62	
ANAND	7,090	1,272	1,822	460	2,114	11,139	1,084	1,261	1,741	27,983
% SHARE	25.34	4.55	6.51	1.64	7.55	39.81	3.87	4.51	6.22	
BHUJ	1,833	811	3,317	4,753			665		2,994	14,373
% SHARE	12.75	5.64	23.08	33.07	0.00	0.00	4.63	0.00	20.83	
BOTAD	1,495	407	1,644	1,679	96	4,138	125	49	292	9,925
% SHARE	15.06	4.10	16.56	16.92	0.97	41.69	1.26	0.49	2.94	
DAHOD	3,276	909	1,285	2,573			265		656	8,964
% SHARE	36.55	10.14	14.34	28.70	0.00	0.00	2.96	0.00	7.32	
DHORAJI	1,026	728	2,813	1,264		73	177		70	6,151
% SHARE	16.68	11.84	45.73	20.55	0.00	1.19	2.88	0.00	1.14	
DHRANGADHRA	4,571	483	972	70	217	65	255		512	7,145
% SHARE	63.97	6.76	13.60	0.98	3.04	0.91	3.57	0.00	7.17	
GANDHIDHAM	3,624	711	2,294	2,962	61		1,417		706	11,775
% SHARE	30.78	6.04	19.48	25.15	0.52	0.00	12.03	0.00	6.00	
GODHRA	2,263	1,051	972	2,769	285	9,552	226	53	1,237	18,408
% SHARE	12.29	5.71	5.28	15.04	1.55	51.89	1.23	0.29	6.72	
GONDAL	3,044	789	996	2,822	89	5,951	1,165		805	15,661
% SHARE	19.44	5.04	6.36	18.02	0.57	38.00	7.44	0.00	5.14	
JETPUR	1,393	648	1,950	2,391	378	5,813	273		711	13,557
% SHARE	10.28	4.78	14.38	17.64	2.79	42.88	2.01	0.00	5.24	
KALOL	3,208	549	1,625	3,338	1,297	1,201	519		445	12,182
% SHARE	26.33	4.51	13.34	27.40	10.65	9.86	4.26	0.00	3.65	
KHAMBHAT	2,757	862	1,292	4,428		553	1,290		1,639	12,821
% SHARE	21.50	6.72	10.08	34.54	0.00	4.31	10.06	0.00	12.78	

CONTD...

1	2	3	4	5	6	7	8	9	10	11
MAHUVA	2,030	229	410	2,267	3,781	4,196	1,273		1,941	16,127
% SHARE	12.59	1.42	2.54	14.06	23.45	26.02	7.89	0.00	12.04	
MEHESANA	4,814	348	2,535	2,419	297		471	1,280	1,225	13,389
% SHARE	35.95	2.60	18.93	18.07	2.22	0.00	3.52	9.56	9.15	
MORVI	2,391	986	2,079	4,166	30	569	813		5,416	16,450
% SHARE	14.53	5.99	12.64	25.33	0.18	3.46	4.94	0.00	32.92	
PALANPUR	3,103	586	2,587	3,723	1	560	506	23,262	942	35,270
% SHARE	8.80	1.66	7.33	10.56	0.00	1.59	1.43	65.95	2.67	
PATAN	2,628	971	3,119	3,545	117	5,362	2,485	8,951	621	27,799
% SHARE	9.45	3.49	11.22	12.75	0.42	19.29	8.94	32.20	2.23	
SIDHPUR	1,344	341	1,393	2,380	1,249	4,275	123	8,168	191	19,464
% SHARE	6.91	1.75	7.16	12.23	6.42	21.96	0.63	41.96	0.98	
SURENDRANAGAR	2,813	574	1,734	3,838	202	7,838	2,280		1,111	20,390
% SHARE	13.80	2.82	8.50	18.82	0.99	38.44	11.18	0.00	5.45	
UPLETA	1,591	365	762	2,003		1,859	324		1,253	8,157
% SHARE	19.50	4.47	9.34	24.56	0.00	22.79	3.97	0.00	15.36	
VALSAD	2,487	791	2,269	2,867	1,469	371	948		1,664	12,866
% SHARE	19.33	6.15	17.64	22.28	11.42	2.88	7.37	0.00	12.93	
TOTAL	60,889	14,797	40,325	59,687	11,710	69,374	17,048	43,024	28,407	345,261
% SHARE	17.64	4.29	11.68	17.29	3.39	20.09	4.94	12.46	8.23	
CLASS C										
ANJAR	1,424	363	1,562	1,506	151	4,335	498		936	10,775
% SHARE	13.22	3.37	14.50	13.98	1.40	40.23	4.62	0.00	8.69	
ANKLESVAR	1,734	1,000	4,558	1,629	923	5,236	1,103		125	16,308
% SHARE	10.63	6.13	27.95	9.99	5.66	32.11	6.76	0.00	0.77	
BAGASARA	710	231	435	1,278		109	152		249	3,164
% SHARE	22.44	7.30	13.75	40.39	0.00	3.45	4.80	0.00	7.87	
BARDOLI	754	264	504	503		35	421			2,481
% SHARE	30.39	10.64	20.31	20.27	0.00	1.41	16.97	0.00	0.00	
BILIMORA	1,525	614	910	1,098	1,076	4,221	434		406	10,284
% SHARE	14.83	5.97	8.85	10.68	10.46	41.04	4.22	0.00	3.95	
BORSAD	2,291	298	250	785	717		258		40	4,639
% SHARE	49.39	6.42	5.39	16.92	15.46	0.00	5.56	0.00	0.86	

CONTD...



	1	2	3	4	5	6	7	8	9	10	11
DABHOI		2,176	337	1,209	1,729		3,112	283		1,228	10,074
% SHARE		21.60	3.35	12.00	17.16	0.00	30.89	2.81	0.00	12.19	
DAHEBAM		399	180	1,352	63		295	135		105	2,529
% SHARE		15.78	7.12	53.46	2.49	0.00	11.66	5.34	0.00	4.15	
DEESA		1,715	456	861	2,796	180	838	781	12,744	1,428	21,799
% SHARE		7.87	2.09	3.95	12.83	0.83	3.84	3.58	58.46	6.55	
DHOLKA		1,959	340	802	1,357	396		718		257	5,829
% SHARE		33.61	5.83	13.76	23.28	6.79	0.00	12.32	0.00	4.41	
HIMMATNAGAR		1,782	578	1,548	1,098		26	1,196		231	6,459
% SHARE		27.59	8.95	23.97	17.00	0.00	0.40	18.52	0.00	3.58	
JAMBUSAR		393	124	564	711	121	272	395		201	2,781
% SHARE		14.13	4.46	20.28	25.57	4.35	9.78	14.20	0.00	7.23	
KADI		1,115	326	693	1,382	537	54	85		306	4,498
% SHARE		24.79	7.25	15.41	30.72	11.94	1.20	1.89	0.00	6.80	
KAPADWANJ		2,260	373	1,141	1,628	1,090	3,450	159		621	10,722
% SHARE		21.08	3.48	10.64	15.18	10.17	32.18	1.48	0.00	5.79	
KESOD		891	403	753	980	39	130	1	12	263	3,472
% SHARE		25.66	11.61	21.69	28.23	1.12	3.74	0.03	0.35	7.57	
KHAMBHALIYA		1,073	323	704	1,739		149	74		30	4,092
% SHARE		26.22	7.89	17.20	42.50	0.00	3.64	1.81	0.00	0.73	
LIMBADI		924	328	418	1,743	102	2,730	148	134	604	7,131
% SHARE		12.96	4.60	5.86	24.44	1.43	38.28	2.08	1.88	8.47	
MANDVI		1,340	294	860	1,309			286		506	4,595
% SHARE		29.16	6.40	18.72	28.49	0.00	0.00	6.22	0.00	11.01	
MANGROL		964	142	244	1,124		58	43		141	2,716
% SHARE		35.49	5.23	8.98	41.38	0.00	2.14	1.58	0.00	5.19	
MODASA		896	311	711	654		2			680	3,254
% SHARE		27.54	9.56	21.85	20.10	0.00	0.06	0.00	0.00	20.90	
PADRA		965	204	544	756		3,132	180		23	5,804
% SHARE		16.63	3.51	9.37	13.03	0.00	53.96	3.10	0.00	0.40	
PALITANA		2,246	350	1,332	1,747	90	3,661	2,092		172	11,690
% SHARE		19.21	2.99	11.39	14.94	0.77	31.32	17.90	0.00	1.47	

CONTD...

1	2	3	4	5	6	7	8	9	10	11
PETLAD	948	404	990	1,422	337	131	936		639	5,807
% SHARE	16.33	6.96	17.05	24.49	5.80	2.26	16.12	0.00	11.00	
RAJPIPLA	1,834	452	1,035	1,226	13	3,308	376		562	8,806
% SHARE	20.83	5.13	11.75	13.92	0.15	37.57	4.27	0.00	6.38	
SAVARKLINDLA	2,641	355	1,896	2,612	51	10,065	265		821	18,706
% SHARE	14.12	1.90	10.14	13.96	0.27	53.81	1.42	0.00	4.39	
UMRETH	680	201	369	510	374	9	247		184	2,574
% SHARE	26.42	7.81	14.34	19.81	14.53	0.35	9.60	0.00	7.15	
LUNA	479						93		114	686
% SHARE	69.83	0.00	0.00	0.00	0.00	0.00	13.56	0.00	16.62	
UNJHA	954	443	2,292	1,229		3,797	267		3,704	12,686
% SHARE	7.52	3.49	18.07	9.69	0.00	29.93	2.10	0.00	29.20	
VIRAMGAM	2,084	326	1,458	1,328	869		117		628	6,810
% SHARE	30.60	4.79	21.41	19.50	12.76	0.00	1.72	0.00	9.22	
VISNAGAR	855	297	2,020	1,537			179	8,768	217	13,873
% SHARE	6.16	2.14	14.56	11.08	0.00	0.00	1.29	63.20	1.56	
VYARA	809	122	425	399			1,219		325	3,299
% SHARE	24.52	3.70	12.88	12.09	0.00	0.00	36.95	0.00	9.85	
WADHWAN	767	576	693	1,162	12		787		1,971	5,968
% SHARE	12.85	9.65	11.61	19.47	0.20	0.00	13.19	0.00	33.03	
WANKANER	1,354	199	432	1,332	8		266		660	4,251
% SHARE	31.85	4.68	10.16	31.33	0.19	0.00	6.26	0.00	15.53	
TOTAL	42,941	11,214	33,565	40,372	7,086	49,155	14,194	21,658	18,377	238,562
% SHARE	18.00	4.70	14.07	16.92	2.97	20.60	5.95	9.08	7.70	
GUJARAT	486,585	127,611	315,123	516,319	198,718	713,835	188,109	119,941	617,847	3,284,088
% SHARE	14.82	3.89	9.60	15.72	6.05	21.74	5.73	3.65	18.81	

SOURCE: NIUA SURVEY, 1991

ANNEX C:3

PATTERN OF REVENUE EXPENDITURE OF MUNICIPAL BODIES  
ACCORDING TO REGIONS, 1988-89

MUNICIPAL BODY/ REGION	REVENUE EXPENDITURE ('000 RS)									
	GENERAL ADMINIS- TRATION	PUBLIC SAFETY	WATER SUPPLY	PUBLIC HEALTH/ SANITATION	MEDICAL SERVICES/ RELIEF	EDUCATION	PUBLIC BUILDING WORKS	COMMERCIAL ACTIVITIES	OTHERS	TOTAL
1	2	3	4	5	6	7	8	9	10	11
SOUTH										
ANKLESVAR	1,734	1,000	4,558	1,629	923	5,236	1,103		125	16,308
% SHARE	10.63	6.13	27.95	9.99	5.66	32.11	6.76	0.00	0.77	
BARDOLI	754	264	504	503		35	421			2,481
% SHARE	30.39	10.64	20.31	20.27	0.00	1.41	16.97	0.00	0.00	
BHARUCH	3,897	1,426	5,391	7,763	460	10,841	836		1,857	32,471
% SHARE	12.00	4.39	16.60	23.91	1.42	33.39	2.57	0.00	5.72	
BILIMORA	1,525	614	910	1,098	1,076	4,221	434		406	10,284
% SHARE	14.83	5.97	8.85	10.68	10.46	41.04	4.22	0.00	3.95	
DABHOI	2,176	337	1,209	1,729		3,112	283		1,228	10,074
% SHARE	21.60	3.35	12.00	17.16	0.00	30.89	2.81	0.00	12.19	
DAHOD	3,276	909	1,285	2,573			265		656	8,964
% SHARE	36.55	10.14	14.34	28.70	0.00	0.00	2.96	0.00	7.32	
GODHRA	2,263	1,051	972	2,769	285	9,552	226	53	1,237	18,408
% SHARE	12.29	5.71	5.28	15.04	1.55	51.89	1.23	0.29	6.72	
JAMBUSAR	393	124	564	711	121	272	395		201	2,781
% SHARE	14.13	4.46	20.28	25.57	4.35	9.78	14.20	0.00	7.23	
NAVSARI	2,388	1,733	335	3,791	72	9,715	2,935		1,940	22,909
% SHARE	10.42	7.56	1.46	16.55	0.31	42.41	12.81	0.00	8.47	
PADRA	965	204	544	756		3,132	180		23	5,804
% SHARE	16.63	3.51	9.37	13.03	0.00	53.96	3.10	0.00	0.40	
RAJPIPLA	1,834	452	1,035	1,226	13	3,308	376		562	8,806
% SHARE	20.83	5.13	11.75	13.92	0.15	37.57	4.27	0.00	6.38	
SURAT	38,436	20,152	41,766	87,854	20,854	97,836	51,090		88,966	446,954
% SHARE	8.60	4.51	9.34	19.66	4.67	21.89	11.43	0.00	19.90	

CONTD...

1	2	3	4	5	6	7	8	9	10	11
VADODARA % SHARE	120,910 32.18	14,128 3.76	43,602 11.60	27,138 7.22	14,264 3.80	78,528 20.90	9,583 2.55	26,289 7.00	41,342 11.00	375,784
VALSAD % SHARE	2,487 19.33	791 6.15	2,269 17.64	2,867 22.28	1,469 11.42	371 2.88	948 7.37	0.00	1,664 12.93	12,866
VYARA % SHARE	809 24.52	122 3.70	425 12.88	399 12.09	0.00	0.00	1,219 36.95	0.00	325 9.85	3,299
TOTAL % SHARE	183,847 18.79	43,307 4.43	105,369 10.77	142,806 14.60	39,537 4.04	226,159 23.12	70,294 7.19	26,342 2.69	140,532 14.37	978,193
CENTRAL										
AHMEDABAD % SHARE	153,389 11.11	43,148 3.12	98,994 7.17	194,444 14.08	139,497 10.10	300,785 21.78	52,268 3.79	0.00	398,287 28.84	1,380,812
ANAND % SHARE	7,090 25.34	1,272 4.55	1,822 6.51	460 1.64	2,114 7.55	11,139 39.81	1,084 3.87	1,261 4.51	1,741 6.22	27,983
BORSAD % SHARE	2,291 49.39	298 6.42	250 5.39	785 16.92	717 15.46	0.00	258 5.56	0.00	40 0.86	4,639
DAHEBAM % SHARE	399 15.78	180 7.12	1,352 53.46	63 2.49	0.00	295 11.66	135 5.34	0.00	105 4.15	2,529
DHOLKA % SHARE	1,959 33.61	340 5.83	802 13.76	1,357 23.28	396 6.79	0.00	718 12.32	0.00	257 4.41	5,829
KAPADWANJ % SHARE	2,260 21.08	373 3.48	1,141 10.64	1,628 15.18	1,090 10.17	3,450 32.18	159 1.48	0.00	621 5.79	10,722
KHAMBHAT % SHARE	2,757 21.50	862 6.72	1,292 10.08	4,428 34.54	0.00	553 4.31	1,290 10.06	0.00	1,639 12.78	12,821
NADIAD % SHARE	4,155 11.23	1,511 4.08	3,688 9.97	7,923 21.42	1,184 3.20	12,528 33.86	1,842 4.98	349 0.94	3,814 10.31	36,994
PETLAD % SHARE	948 16.33	404 6.96	990 17.05	1,422 24.49	337 5.80	131 2.26	936 16.12	0.00	639 11.00	5,807
UMRETH % SHARE	680 26.42	201 7.81	369 14.34	510 19.81	374 14.53	9 0.35	247 9.60	0.00	184 7.15	2,574
VIRAMGAM % SHARE	2,084 30.60	326 4.79	1,458 21.41	1,328 19.50	869 12.76	0.00	117 1.72	0.00	628 9.22	6,810
TOTAL % SHARE	178,012 11.89	48,915 3.27	112,158 7.49	214,348 14.31	146,578 9.79	328,890 21.96	59,054 3.94	1,610 0.11	407,955 27.24	1,497,520

CONTD...

1	2	3	4	5	6	7	8	9	10	11
NORTH										
DEESA	1,715	456	861	2,796	180	838	781	12,744	1,428	21,799
% SHARE	7.87	2.09	3.95	12.83	0.83	3.84	3.58	58.46	6.55	
KADI	1,115	326	693	1,382	537	54	85		306	4,498
% SHARE	24.79	7.25	15.41	30.72	11.94	1.20	1.89	0.00	6.80	
KALOL	3,208	549	1,625	3,338	1,297	1,201	519		445	12,182
% SHARE	26.33	4.51	13.34	27.40	10.65	9.86	4.26	0.00	3.65	
MEHESANA	4,814	348	2,535	2,419	297		471	1,280	1,225	13,389
% SHARE	35.95	2.60	18.93	18.07	2.22	0.00	3.52	9.56	9.15	
PALANPUR	3,103	586	2,587	3,723	1	560	506	23,262	942	35,270
% SHARE	8.80	1.66	7.33	10.56	0.00	1.59	1.43	65.95	2.67	
PATAN	2,628	971	3,119	3,545	117	5,362	2,485	8,951	621	27,799
% SHARE	9.45	3.49	11.22	12.75	0.42	19.29	8.94	32.20	2.23	
SIDHPUR	1,344	341	1,393	2,380	1,249	4,275	123	8,168	191	19,464
% SHARE	6.91	1.75	7.16	12.23	6.42	21.96	0.63	41.96	0.98	
UNJHA	954	443	2,292	1,229		3,797	267		3,704	12,686
% SHARE	7.52	3.49	18.07	9.69	0.00	29.93	2.10	0.00	29.20	
VISNAGAR	855	297	2,020	1,537			179	8,768	217	13,873
% SHARE	6.16	2.14	14.56	11.08	0.00	0.00	1.29	63.20	1.56	
TOTAL	19,736	4,317	17,125	22,349	3,678	16,087	5,416	63,173	9,079	160,960
% SHARE	12.26	2.68	10.64	13.88	2.29	9.99	3.36	39.25	5.64	
SALURASHTRA										
AMRELI	2,108	386	2,455	2,970	27	5,859	364		2,235	16,404
% SHARE	12.85	2.35	14.97	18.11	0.16	35.72	2.22	0.00	13.62	
BAGASARA	710	231	435	1,278		109	152		249	3,164
% SHARE	22.44	7.30	13.75	40.39	0.00	3.45	4.80	0.00	7.87	
BHAVNAGAR	7,419	4,254	16,785	20,804		22,273	6,511	10,853	1,864	90,763
% SHARE	8.17	4.69	18.49	22.92	0.00	24.54	7.17	11.96	2.05	
BOTAD	1,495	407	1,644	1,679	96	4,138	125	49	292	9,925
% SHARE	15.06	4.10	16.56	16.92	0.97	41.69	1.26	0.49	2.94	
DHORAJI	1,026	728	2,813	1,264		73	177		70	6,151
% SHARE	16.68	11.84	45.73	20.55	0.00	1.19	2.88	0.00	1.14	

CONTD...

1	2	3	4	5	6	7	8	9	10	11
DHRANGADHRA % SHARE	4,571 63.97	483 6.76	972 13.60	70 0.98	217 3.04	65 0.91	255 3.57	0.00	512 7.17	7,145
GONDAL % SHARE	3,044 19.44	789 5.04	996 6.36	2,822 18.02	89 0.57	5,951 38.00	1,165 7.44	0.00	805 5.14	15,661
HIMMATNAGAR % SHARE	1,782 27.59	578 8.95	1,548 23.97	1,098 17.00	0.00	26 0.40	1,196 18.52	0.00	231 3.58	6,459
JAMNAGAR % SHARE	10,946 11.70	3,544 3.79	9,607 10.27	16,247 17.36	0.00	18,490 19.76	4,332 4.63	11,213 11.98	19,192 20.51	93,571
JETPUR % SHARE	1,393 10.28	648 4.78	1,950 14.38	2,391 17.64	378 2.79	5,813 42.88	273 2.01	0.00	711 5.24	13,557
JUNAGADH % SHARE	3,923 17.90	1,447 6.60	3,827 17.46	6,256 28.55	0.00	426 1.94	847 3.86	1,958 8.93	3,232 14.75	21,916
KESOD % SHARE	891 25.66	403 11.61	753 21.69	980 28.23	39 1.12	130 3.74	1 0.03	12 0.35	263 7.57	3,472
KHAMBHALIYA % SHARE	1,073 26.22	323 7.89	704 17.20	1,739 42.50	0.00	149 3.64	74 1.81	0.00	30 0.73	4,092
LIMBADI % SHARE	924 12.96	328 4.60	418 5.86	1,743 24.44	102 1.43	2,730 38.28	148 2.08	134 1.88	604 8.47	7,131
MAHUVA % SHARE	2,030 12.59	229 1.42	410 2.54	2,267 14.06	3,781 23.45	4,196 26.02	1,273 7.89	0.00	1,941 12.04	16,127
MANGROL % SHARE	964 35.49	142 5.23	244 8.98	1,124 41.38	0.00	58 2.14	43 1.58	0.00	141 5.19	2,716
MCDASA % SHARE	896 27.54	311 9.56	711 21.85	654 20.10	0.00	2 0.06	0.00	0.00	680 20.90	3,254
MORVI % SHARE	2,391 14.53	986 5.99	2,079 12.64	4,166 25.33	30 0.18	569 3.46	813 4.94	0.00	5,416 32.92	16,450
PALITANA % SHARE	2,246 19.21	350 2.99	1,332 11.39	1,747 14.94	90 0.77	3,661 31.32	2,092 17.90	0.00	172 1.47	11,690
PORBANDAR % SHARE	5,748 23.28	1,704 6.90	1,313 5.32	6,869 27.82	0.00	3,064 12.41	1,586 6.42	3,445 13.95	965 3.91	24,694
RAJKOT % SHARE	29,177 18.51	7,669 4.86	12,818 8.13	32,863 20.85	2,163 1.37	40,141 25.46	24,006 15.23	0.00	8,801 5.58	157,638
SAVARKUNDLA % SHARE	2,641 14.12	355 1.90	1,896 10.14	2,612 13.96	51 0.27	10,065 53.81	265 1.42	0.00	821 4.39	18,706

CONTD...

1	2	3	4	5	6	7	8	9	10	11
SURENDRANAGAR % SHARE	2,813 13.80	574 2.82	1,734 8.50	3,838 18.82	202 0.99	7,838 38.44	2,280 11.18	0.00	1,111 5.45	20,390
UNA % SHARE	479 69.83	0.00	0.00	0.00	0.00	0.00	93 13.56	0.00	114 16.62	686
UPLETA % SHARE	1,591 19.50	365 4.47	762 9.34	2,003 24.56	0.00	1,859 22.79	324 3.97	0.00	1,253 15.36	8,157
VERAVALPATAN % SHARE	2,367 15.02	884 5.61	3,107 19.72	4,308 27.34	1,428 9.06	679 4.31	1,031 6.54	1,152 7.31	803 5.10	15,759
WADHWAN % SHARE	767 12.85	576 9.65	693 11.61	1,162 19.47	12 0.20	0.00	787 13.19	0.00	1,971 33.03	5,968
WANKANER % SHARE	1,354 31.85	199 4.68	432 10.16	1,332 31.33	8 0.19	0.00	266 6.26	0.00	660 15.53	4,251
TOTAL % SHARE	96,769 15.97	28,893 4.77	72,438 11.96	126,286 20.84	8,713 1.44	138,364 22.84	50,479 8.33	28,816 4.76	55,139 9.10	605,897
KUCHCHH										
ANJAR % SHARE	1,424 13.22	363 3.37	1,562 14.50	1,506 13.98	151 1.40	4,335 40.23	498 4.62	0.00	936 8.69	10,775
BHUJ % SHARE	1,833 12.75	811 5.64	3,317 23.08	4,753 33.07	0.00	0.00	665 4.63	0.00	2,994 20.83	14,373
GANDHIDHAM % SHARE	3,624 30.78	711 6.04	2,294 19.48	2,962 25.15	61 0.52	0.00	1,417 12.03	0.00	706 6.00	11,775
MANDVI % SHARE	1,340 29.16	294 6.40	860 18.72	1,309 28.49	0.00	0.00	286 6.22	0.00	506 11.01	4,595
TOTAL % SHARE	8,221 19.80	2,179 5.25	8,033 19.35	10,530 25.36	212 0.51	4,335 10.44	2,866 6.90	0.00	5,142 12.38	41,518
GUJARAT % SHARE	486,585 14.82	127,611 3.89	315,123 9.60	516,319 15.72	198,718 6.05	713,835 21.74	188,109 5.73	119,941 3.65	617,847 18.81	3,284,088

SOURCE: NIUA SURVEY, 1991

ANNEX C:4

COMPONENT WISE PER CAPITA REVENUE EXPENDITURE ON SERVICES OF MUNICIPAL BODIES  
ACCORDING TO SIZE CLASS OF CITIES, 1988-89

MUNICIPAL BODY/ SIZE CLASS	PER CAPITA EXPENDITURE (RS.)									
	GENERAL ADMINIS- TRATION	PUBLIC SAFETY	WATER SUPPLY	PUBLIC HEALTH/ SANITA- TION	MEDICAL SERVICES/ RELIEF	EDUCATION	PUBLIC BUILDING WORKS	COMMER- CIAL ACTIVI- TIES	OTHERS	TOTAL
1	2	3	4	5	6	7	8	9	10	11
CLASS AA										
AHMEDABAD	60.41	16.99	38.98	76.57	54.94	118.45	20.58	0.00	156.85	543.78
BHAVNAGAR	18.86	10.81	42.66	52.88	0.00	56.61	16.55	27.59	4.74	230.70
JAMNAGAR	30.24	9.79	26.54	44.88	0.00	51.08	11.97	30.97	53.01	258.47
RAJKOT	47.89	12.59	21.04	53.94	3.55	65.89	39.40	0.00	14.45	258.75
SURAT	33.21	17.41	36.09	75.91	18.02	84.54	44.15	0.00	76.88	386.21
VADODARA	114.53	13.38	41.30	25.71	13.51	74.39	9.08	24.90	39.16	355.97
TOTAL	58.90	15.19	36.55	62.02	28.90	91.23	24.16	7.91	91.30	416.15
CLASS A										
BHARUCH	30.56	11.18	42.28	60.88	3.61	85.02	6.56	0.00	14.56	254.66
JUNAGADH	27.79	10.25	27.11	44.32	0.00	3.02	6.00	13.87	22.90	155.26
NADIAD	23.36	8.49	20.73	44.54	6.66	70.42	10.35	1.96	21.44	207.96
NAVSARI	16.49	11.97	2.31	26.18	0.50	67.09	20.27	0.00	13.40	158.19
PORBANDAR	43.45	12.88	9.93	51.93	0.00	23.16	11.99	26.04	7.30	186.68
VERAVALPATAN	17.23	6.43	22.61	31.35	10.39	4.94	7.50	8.38	5.84	114.70
TOTAL	26.11	10.11	20.51	42.87	3.65	43.26	10.54	8.02	14.65	179.71
CLASS B										
AMRELI	27.94	5.12	32.54	39.37	0.36	77.67	4.83	0.00	29.63	217.45
ANAND	63.85	11.45	16.41	4.14	19.04	100.31	9.76	11.36	15.68	251.99
BHUJ	20.86	9.23	37.76	54.10	0.00	0.00	7.57	0.00	34.08	163.60
BOTAD	20.81	5.67	22.88	23.37	1.34	57.60	1.74	0.68	4.06	138.16
DAHOD	49.87	13.84	19.56	39.16	0.00	0.00	4.03	0.00	9.99	136.44
DHORAJI	10.99	7.80	30.14	13.55	0.00	0.78	1.90	0.00	0.75	65.92
DHRANGADHRA	74.23	7.84	15.78	1.14	3.52	1.06	4.14	0.00	8.31	116.03
GANDHIDHAM	40.89	8.02	25.88	33.42	0.69	0.00	15.99	0.00	7.97	132.85
GODHRA	21.49	9.98	9.23	26.30	2.71	90.72	2.15	0.50	11.75	174.83
GONDAL	39.72	10.29	13.00	36.82	1.16	77.64	15.20	0.00	10.50	204.33

CONTD...



1	2	3	4	5	6	7	8	9	10	11
JETPUR	16.05	7.47	22.47	27.55	4.36	66.99	3.15	0.00	8.19	156.22
KALOL	35.24	6.03	17.85	36.67	14.25	13.19	5.70	0.00	4.89	133.83
KHAMBHAT	36.93	11.55	17.30	59.31	0.00	7.41	17.28	0.00	21.95	171.72
MAHUVA	29.64	3.34	5.99	33.10	55.21	61.27	18.59	0.00	28.34	235.48
MEHESANA	50.12	3.62	26.39	25.18	3.09	0.00	4.90	13.33	12.75	139.39
MORVI	28.13	11.60	24.46	49.02	0.35	6.70	9.57	0.00	63.73	193.56
PALANPUR	37.53	7.09	31.29	45.03	0.01	6.77	6.12	281.35	11.39	426.58
PATAN	28.17	10.41	33.43	37.99	1.25	57.47	26.63	95.93	6.66	297.93
SIDHPUR	21.21	5.38	21.98	37.55	19.71	67.45	1.94	128.87	3.01	307.10
SURENDRANAGAR	24.77	5.05	15.27	33.80	1.78	69.03	20.08	0.00	9.78	179.57
UPLETA	20.36	4.67	9.75	25.63	0.00	23.79	4.15	0.00	16.04	104.39
VALSAD	38.54	12.26	35.16	44.43	22.77	5.75	14.69	0.00	25.79	199.40
TOTAL	33.18	8.06	21.98	32.53	6.38	37.81	9.29	23.45	15.48	188.16
CLASS C										
ANJAR	35.85	9.14	39.33	37.92	3.80	109.14	12.54	0.00	23.57	271.29
ANKLESVAR	35.55	20.50	93.44	33.39	18.92	107.34	22.61	0.00	2.56	334.31
BAGASARA	26.46	8.61	16.21	47.63	0.00	4.06	5.67	0.00	9.28	117.93
BARDOLI	19.80	6.93	13.23	13.21	0.00	0.92	11.05	0.00	0.00	65.14
BILIMORA	23.20	9.34	13.84	16.70	16.37	64.21	6.60	0.00	6.18	156.44
BORSAD	49.27	6.41	5.38	16.88	15.42	0.00	5.55	0.00	0.86	99.77
DABHOI	43.25	6.70	24.03	34.36	0.00	61.85	5.62	0.00	24.41	200.22
DAHEBAM	12.26	5.53	41.55	1.94	0.00	9.07	4.15	0.00	3.23	77.72
DEESA	30.14	8.01	15.13	49.14	3.16	14.73	13.73	223.99	25.10	383.14
DHOLKA	37.10	6.44	15.19	25.70	7.50	0.00	13.60	0.00	4.87	110.40
HIMMATNAGAR	29.43	9.54	25.56	18.13	0.00	0.43	19.75	0.00	3.81	106.66
JAMBUSAR	12.22	3.86	17.54	22.11	3.76	8.46	12.28	0.00	6.25	86.47
KADI	27.14	7.93	16.87	33.63	13.07	1.31	2.07	0.00	7.45	109.47
KAPADWANJ	57.69	9.52	29.12	41.55	27.82	88.06	4.06	0.00	15.85	273.68
KESOD	18.78	8.50	15.87	20.66	0.82	2.74	0.02	0.25	5.54	73.19
KHAMBHALIYA	32.59	9.81	21.38	52.81	0.00	4.52	2.25	0.00	0.91	124.27
LIMBADI	25.57	9.08	11.57	48.23	2.82	75.55	4.10	3.71	16.71	197.34
MANDVI	37.23	8.17	23.89	36.37	0.00	0.00	7.95	0.00	14.06	127.67
MANGROL	20.37	3.00	5.16	23.75	0.00	1.23	0.91	0.00	2.98	57.38
MODASA	21.13	7.33	16.76	15.42	0.00	0.05	0.00	0.00	16.03	76.72
PADRA	32.64	6.90	18.40	25.57	0.00	105.92	6.09	0.00	0.78	196.29
PALITANA	54.22	8.45	32.15	42.17	2.17	88.37	50.50	0.00	4.15	282.18
PETLAD	17.55	7.48	18.33	26.33	6.24	2.43	17.33	0.00	11.83	107.51
RAJPIPLA	56.74	13.98	32.02	37.93	0.40	102.35	11.63	0.00	17.39	272.45
SAVARKUNDLA	42.77	5.75	30.70	42.30	0.83	163.00	4.29	0.00	13.30	302.94

CONTD...

1	2	3	4	5	6	7	8	9	10	11
UMRETH	21.22	6.27	11.51	15.91	11.67	0.28	7.71	0.00	5.74	80.32
UNA	12.89	0.00	0.00	0.00	0.00	0.00	2.50	0.00	3.07	18.46
UNJHA	19.45	9.03	46.74	25.06	0.00	77.43	5.44	0.00	75.53	258.69
VIRAMGAM	39.93	6.25	27.94	25.45	16.65	0.00	2.24	0.00	12.03	130.48
VISNAGAR	14.53	5.05	34.33	26.12	0.00	0.00	3.04	149.00	3.69	235.75
VYARA	27.86	4.20	14.64	13.74	0.00	0.00	41.98	0.00	11.19	113.61
WADHWAN	16.32	12.25	14.74	24.72	0.26	0.00	16.74	0.00	41.93	126.97
WANKANER	37.60	5.53	12.00	36.99	0.22	0.00	7.39	0.00	18.33	118.06
TOTAL	29.95	7.82	23.41	28.16	4.94	34.28	9.90	15.10	12.82	166.38
GUJARAT	47.49	12.45	30.75	50.39	19.39	69.66	18.36	11.71	60.30	320.50

SOURCE: NIUA SURVEY, 1991

ANNEX C:5

COMPONENT WISE PER CAPITA REVENUE EXPENDITURE ON SERVICES OF MUNICIPAL BODIES  
ACCORDING TO REGIONS, 1988-89

MUNICIPAL BODY/ REGION	PER CAPITA EXPENDITURE (RS.)									
	GENERAL ADMINIS- TRATION	PUBLIC SAFETY	WATER SUPPLY	PUBLIC HEALTH/ SANITA- TION	MEDICAL SERVICES/ RELIEF	EDUCATION	PUBLIC BUILDING WORKS	COMMER- CIAL ACTIVI- TIES	OTHERS	TOTAL
1	2	3	4	5	6	7	8	9	10	11
SOUTH										
ANKLESVAR	35.55	20.50	93.44	33.39	18.92	107.34	22.61	0.00	2.56	334.31
BARDOLI	19.80	6.93	13.23	13.21	0.00	0.92	11.05	0.00	0.00	65.14
BHARUCH	30.56	11.18	42.28	60.88	3.61	85.02	6.56	0.00	14.56	254.66
BILIMORA	23.20	9.34	13.84	16.70	16.37	64.21	6.60	0.00	6.18	156.44
DABHOI	43.25	6.70	24.03	34.36	0.00	61.85	5.62	0.00	24.41	200.22
DAHOD	49.87	13.84	19.56	39.16	0.00	0.00	4.03	0.00	9.99	136.44
GODHRA	21.49	9.98	9.23	26.30	2.71	90.72	2.15	0.50	11.75	174.83
JAMBUSAR	12.22	3.86	17.54	22.11	3.76	8.46	12.28	0.00	6.25	86.47
NAVSARI	16.49	11.97	2.31	26.18	0.50	67.09	20.27	0.00	13.40	158.19
PADRA	32.64	6.90	18.40	25.57	0.00	105.92	6.09	0.00	0.78	196.29
RAJPIPLA	56.74	13.98	32.02	37.93	0.40	102.35	11.63	0.00	17.39	272.45
SURAT	33.21	17.41	36.09	75.91	18.02	84.54	44.15	0.00	76.88	386.21
VADODARA	114.53	13.38	41.30	25.71	13.51	74.39	9.08	24.90	39.16	355.97
VALSAD	38.54	12.26	35.16	44.43	22.77	5.75	14.69	0.00	25.79	199.40
VYARA	27.86	4.20	14.64	13.74	0.00	0.00	41.98	0.00	11.19	113.61
TOTAL	60.34	14.21	34.58	46.87	12.98	74.23	23.07	8.65	46.12	321.06
CENTRAL										
AHMEDABAD	60.41	16.99	38.98	76.57	54.94	118.45	20.58	0.00	156.85	543.78
ANAND	63.85	11.45	16.41	4.14	19.04	100.31	9.76	11.36	15.68	251.99
BORSAD	49.27	6.41	5.38	16.88	15.42	0.00	5.55	0.00	0.86	99.77
DAHEBAM	12.26	5.53	41.55	1.94	0.00	9.07	4.15	0.00	3.23	77.72
DHOLKA	37.10	6.44	15.19	25.70	7.50	0.00	13.60	0.00	4.87	110.40
KAPADWANJ	57.69	9.52	29.12	41.55	27.82	88.06	4.06	0.00	15.85	273.68
KHAMBHAT	36.93	11.55	17.30	59.31	0.00	7.41	17.28	0.00	21.95	171.72
NADIAD	23.36	8.49	20.73	44.54	6.66	70.42	10.35	1.96	21.44	207.96
PETLAD	17.55	7.48	18.33	26.33	6.24	2.43	17.33	0.00	11.83	107.51
UMRETH	21.22	6.27	11.51	15.91	11.67	0.28	7.71	0.00	5.74	80.32
VIRAMGAM	39.93	6.25	27.94	25.45	16.65	0.00	2.24	0.00	12.03	130.48
TOTAL	55.42	15.23	34.92	66.73	45.63	102.39	18.38	0.50	127.00	466.20

CONTD...

1	2	3	4	5	6	7	8	9	10	11
NORTH										
DEESA	30.14	8.01	15.13	49.14	3.16	14.73	13.73	223.99	25.10	383.14
KADI	27.14	7.93	16.87	33.63	13.07	1.31	2.07	0.00	7.45	109.47
KALOL	35.24	6.03	17.85	36.67	14.25	13.19	5.70	0.00	4.89	133.83
MEHESANA	50.12	3.62	26.39	25.18	3.09	0.00	4.90	13.33	12.75	139.39
PALANPUR	37.53	7.09	31.29	45.03	0.01	6.77	6.12	281.35	11.39	426.58
PATAN	28.17	10.41	33.43	37.99	1.25	57.47	26.63	95.93	6.66	297.93
SIDHPUR	21.21	5.38	21.98	37.55	19.71	67.45	1.94	128.87	3.01	307.10
UNJHA	19.45	9.03	46.74	25.06	0.00	77.43	5.44	0.00	75.53	258.69
VISNAGAR	14.53	5.05	34.33	26.12	0.00	0.00	3.04	149.00	3.69	235.75
TOTAL	31.21	6.83	27.08	35.34	5.82	25.44	8.57	99.91	14.36	254.56
SAURASHTRA										
AMRELI	27.94	5.12	32.54	39.37	0.36	77.67	4.83	0.00	29.63	217.45
BAGASARA	26.46	8.61	16.21	47.63	0.00	4.06	5.67	0.00	9.28	117.93
BHAVNAGAR	18.86	10.81	42.66	52.88	0.00	56.61	16.55	27.59	4.74	230.70
BOTAD	20.81	5.67	22.88	23.37	1.34	57.60	1.74	0.68	4.06	138.16
DHORAJI	10.99	7.80	30.14	13.55	0.00	0.78	1.90	0.00	0.75	65.92
DHRANGADHRA	74.23	7.84	15.78	1.14	3.52	1.06	4.14	0.00	8.31	116.03
GONDAL	39.72	10.29	13.00	36.82	1.16	77.64	15.20	0.00	10.50	204.33
HIMMATNAGAR	29.43	9.54	25.56	18.13	0.00	0.43	19.75	0.00	3.81	106.66
JAMNAGAR	30.24	9.79	26.54	44.88	0.00	51.08	11.97	30.97	53.01	258.47
JETPUR	16.05	7.47	22.47	27.55	4.36	66.99	3.15	0.00	8.19	156.22
JUNAGADH	27.79	10.25	27.11	44.32	0.00	3.02	6.00	13.87	22.90	155.26
KESOD	18.78	8.50	15.87	20.66	0.82	2.74	0.02	0.25	5.54	73.19
KHAMBHALIYA	32.59	9.81	21.38	52.81	0.00	4.52	2.25	0.00	0.91	124.27
LIMBADI	25.57	9.08	11.57	48.23	2.82	75.55	4.10	3.71	16.71	197.34
MAHUVA	29.64	3.34	5.99	33.10	55.21	61.27	18.59	0.00	28.34	235.48
MANGROL	20.37	3.00	5.16	23.75	0.00	1.23	0.91	0.00	2.98	57.38
MODASA	21.13	7.33	16.76	15.42	0.00	0.05	0.00	0.00	16.03	76.72
MORVI	28.13	11.60	24.46	49.02	0.35	6.70	9.57	0.00	63.73	193.56
PALITANA	54.22	8.45	32.15	42.17	2.17	88.37	50.50	0.00	4.15	282.18
PORBANDAR	43.45	12.88	9.93	51.93	0.00	23.16	11.99	26.04	7.30	186.68
RAJKOT	47.89	12.59	21.04	53.94	3.55	65.89	39.40	0.00	14.45	258.75
SAVARKUNDLA	42.77	5.75	30.70	42.30	0.83	163.00	4.29	0.00	13.30	302.94
SURENDRANAGAR	24.77	5.05	15.27	33.80	1.78	69.03	20.08	0.00	9.78	179.57
UNA	12.89	0.00	0.00	0.00	0.00	0.00	2.50	0.00	3.07	18.46
UPLETA	20.36	4.67	9.75	25.63	0.00	23.79	4.15	0.00	16.04	104.39
VERAVALPATAN	17.23	6.43	22.61	31.35	10.39	4.94	7.50	8.38	5.84	114.70
WADHWAN	16.32	12.25	14.74	24.72	0.26	0.00	16.74	0.00	41.93	126.97
WANKANER	37.60	5.53	12.00	36.99	0.22	0.00	7.39	0.00	18.33	118.06
TOTAL	31.18	9.31	23.34	40.70	2.81	44.59	16.27	9.29	17.77	195.25

1	2	3	4	5	6	7	8	9	10	11
KUCHCHH										
ANJAR	35.85	9.14	39.33	37.92	3.80	109.14	12.54	0.00	23.57	271.2
BHUJ	20.86	9.23	37.76	54.10	0.00	0.00	7.57	0.00	34.08	163.6
GANDHIDHAM	40.89	8.02	25.88	33.42	0.69	0.00	15.99	0.00	7.97	132.8
MANDVI	37.23	8.17	23.89	36.37	0.00	0.00	7.95	0.00	14.06	127.6
TOTAL	32.60	8.64	31.85	41.75	0.84	17.19	11.36	0.00	20.39	164.6
GUJARAT	47.49	12.45	30.75	50.39	19.39	69.66	18.36	11.71	60.30	320.5

SOURCE: NIUA SURVEY, 1991

ANNEX C:6

PATTERN OF REVENUE EXPENDITURE ON SERVICES OF MUNICIPAL BODIES  
ACCORDING TO SIZE CLASS OF CITIES, 1984-85 AND 1988-89

MUNICIPAL BODY/ SIZE CLASS	EXPENDITURE ('000 RS)									
	GENERAL ADMINIS- TRATION	PUBLIC SAFETY	WATER SUPPLY	PUBLIC HEALTH/ SANITATION	MEDICAL SERVICES/ RELIEF	EDUCATION	PUBLIC BUILDING/ WORKS	COMMERCIAL ACTIVITIES	OTHERS	TOTAL
1	2	3	4	5	6	7	8	9	10	11
CLASS AA										
AHMEDABAD										
1984-85	58,097	27,357	59,507	119,303	83,321	131,649	35,117		259,037	773,388
% SHARE	7.51	3.54	7.69	15.43	10.77	17.02	4.54	0.00	33.49	
1988-89	153,389	43,148	98,994	194,444	139,497	300,785	52,268		398,287	1,380,812
% SHARE	11.11	3.12	7.17	14.08	10.10	21.78	3.79	0.00	28.84	
GROWTH	95,292	15,791	39,487	75,141	56,176	169,136	17,151		139,250	607,424
% SHARE	164.02	57.72	66.36	62.98	67.42	128.47	48.84	0.00	53.76	
BHAVNAGAR										
1984-85	5,897	2,266	6,876	9,461	2,435	10,434	3,543	5,136	3,969	50,017
% SHARE	11.79	4.53	13.75	18.92	4.87	20.86	7.08	10.27	7.94	
1988-89	7,419	4,254	16,785	20,804		22,273	6,511	10,853	1,864	90,763
% SHARE	8.17	4.69	18.49	22.92	0.00	24.54	7.17	11.96	2.05	
GROWTH	1,522	1,988	9,909	11,343		11,839	2,968	5,717	2,105	40,746
% SHARE	25.81	87.73	144.11	119.89	0.00	113.47	83.77	111.31	-53.04	
JAMNAGAR										
1984-85	6,574	1,678	4,440	11,439	63	11,491	2,484	3,000	7,418	48,587
% SHARE	13.53	3.45	9.14	23.54	0.13	23.65	5.11	6.17	15.27	
1988-89	10,946	3,544	9,607	16,247		18,490	4,332	11,213	19,192	93,571
% SHARE	11.70	3.79	10.27	17.36	0.00	19.76	4.63	11.98	20.51	
GROWTH	4,372	1,866	5,167	4,808		6,999	1,848	8,213	11,774	44,984
% SHARE	66.50	111.20	116.37	42.03	0.00	60.91	74.40	273.77	158.72	
RAJKOT										
1984-85	20,577	4,211	8,173	16,645	922	3,845	8,266		7,250	69,889
% SHARE	29.44	6.03	11.69	23.82	1.32	5.50	11.83	0.00	10.37	
1988-89	29,177	7,669	12,818	32,863	2,163	40,141	24,006		8,801	157,638
% SHARE	18.51	4.86	8.13	20.85	1.37	25.46	15.23	0.00	5.58	
GROWTH	8,600	3,458	4,645	16,218	1,241	36,296	15,740		1,551	87,749
% SHARE	41.79	82.12	56.83	97.43	134.60	943.98	190.42	0.00	21.39	

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>SURAT</b>											
1984-85		15,211	6,717	18,016	47,283		40,449	23,941		56,048	207,665
% SHARE		7.32	3.23	8.68	22.77	0.00	19.48	11.53	0.00	26.99	
1988-89		38,436	20,152	41,766	87,854	20,854	97,836	51,090		88,966	446,954
% SHARE		8.60	4.51	9.34	19.66	4.67	21.89	11.43	0.00	19.90	
GROWTH		23,225	13,435	23,750	40,571		57,387	27,149		32,918	239,289
% SHARE		152.69	200.01	131.83	85.80	0.00	141.87	113.40	0.00	58.73	
<b>VADODARA</b>											
1984-85		71,646	8,123	23,860	20,473	6,845	41,004	7,609	24,232	40,483	244,275
% SHARE		29.33	3.33	9.77	8.38	2.80	16.79	3.11	9.92	16.57	
1988-89		120,910	14,128	43,602	27,138	14,264	78,528	9,583	26,289	41,342	375,784
% SHARE		32.18	3.76	11.60	7.22	3.80	20.90	2.55	7.00	11.00	
GROWTH		49,264	6,005	19,742	6,665	7,419	37,524	1,974	2,057	859	131,509
% SHARE		68.76	73.93	82.74	32.56	108.39	91.51	25.94	8.49	2.12	
<b>TOTAL</b>											
1984-85		178,002	50,352	120,872	224,604	93,586	238,872	80,960	32,368	374,205	1,393,821
% SHARE		12.77	3.61	8.67	16.11	6.71	17.14	5.81	2.32	26.85	
1988-89		360,277	92,895	223,572	379,350	176,778	558,053	147,790	48,355	558,452	2,545,522
% SHARE		14.15	3.65	8.78	14.90	6.94	21.92	5.81	1.90	21.94	
GROWTH		182,275	42,543	102,700	154,746	83,192	319,181	66,830	15,987	184,247	1,151,701
% SHARE		102.40	84.49	84.97	68.90	88.89	133.62	82.55	49.39	49.24	
<b>CLASS A</b>											
<b>BHARUCH</b>											
1984-85		2,296	1,190	2,701	4,516	252	6,037	1,742		757	19,491
% SHARE		11.78	6.11	13.86	23.17	1.29	30.97	8.94	0.00	3.88	
1988-89		3,897	1,426	5,391	7,763	460	10,841	836		1,857	32,471
% SHARE		12.00	4.39	16.60	23.91	1.42	33.39	2.57	0.00	5.72	
GROWTH		1,601	236	2,690	3,247	208	4,804	906		1,100	12,980
% SHARE		69.73	19.83	99.59	71.90	82.54	79.58	-52.01	0.00	145.31	
<b>JUNAGADH</b>											
1984-85		2,661	779	3,397	4,892		262	786	1,570	2,320	16,667
% SHARE		15.97	4.67	20.38	29.35	0.00	1.57	4.72	9.42	13.92	
1988-89		3,923	1,447	3,827	6,256		426	847	1,958	3,232	21,916
% SHARE		17.90	6.60	17.46	28.55	0.00	1.94	3.86	8.93	14.75	
GROWTH		1,262	668	430	1,364		164	61	388	912	5,249
% SHARE		47.43	85.75	12.66	27.88	0.00	62.60	7.76	24.71	39.31	

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>NADIAD</b>											
1984-85		3,640	967	2,612	6,023	1,045	6,356	1,510		2,168	24,321
% SHARE		14.97	3.98	10.74	24.76	4.30	26.13	6.21	0.00	8.91	
1988-89		4,155	1,511	3,688	7,923	1,184	12,528	1,842	349	3,814	36,994
% SHARE		11.23	4.08	9.97	21.42	3.20	33.86	4.98	0.94	10.31	
GROWTH		515	544	1,076	1,900	139	6,172	332		1,646	12,673
% SHARE		14.15	56.26	41.19	31.55	13.30	97.11	21.99	0.00	75.92	
<b>NAVSARI</b>											
1984-85		1,460	1,212	2,771	2,398	126	4,532	3,800		1,190	17,489
% SHARE		8.35	6.93	15.84	13.71	0.72	25.91	21.73	0.00	6.80	
1988-89		2,388	1,733	335	3,791	72	9,715	2,935		1,940	22,909
% SHARE		10.42	7.56	1.46	16.55	0.31	42.41	12.81	0.00	8.47	
GROWTH		928	521	2,436	1,393	54	5,183	865		750	5,420
% SHARE		63.56	42.99	-87.91	58.09	-42.86	114.36	-22.76	0.00	63.03	
<b>PORBANDAR</b>											
1984-85		3,142	928	1,182	4,239		1,540	632	2,507	975	15,145
% SHARE		20.75	6.13	7.80	27.99	0.00	10.17	4.17	16.55	6.44	
1988-89		5,748	1,704	1,313	6,869		3,064	1,586	3,445	965	24,694
% SHARE		23.28	6.90	5.32	27.82	0.00	12.41	6.42	13.95	3.91	
GROWTH		2,606	776	131	2,630		1,524	954	938	10	9,549
% SHARE		82.94	83.62	11.08	62.04	0.00	98.96	150.95	37.42	-1.03	
<b>VERAVALPATAN</b>											
1984-85		1,572	455	1,019	2,675	989	621	220	890	1,344	9,785
% SHARE		16.07	4.65	10.41	27.34	10.11	6.35	2.25	9.10	13.74	
1988-89		2,367	884	3,107	4,308	1,428	679	1,031	1,152	803	15,759
% SHARE		15.02	5.61	19.72	27.34	9.06	4.31	6.54	7.31	5.10	
GROWTH		795	429	2,088	1,633	439	58	811	262	541	5,974
% SHARE		50.57	94.29	204.91	61.05	44.39	9.34	368.64	29.44	-40.25	
<b>TOTAL</b>											
1984-85		14,771	5,531	13,682	24,743	2,412	19,348	8,690	4,967	8,754	102,898
% SHARE		14.35	5.38	13.30	24.05	2.34	18.80	8.45	4.83	8.51	
1988-89		22,478	8,705	17,661	36,910	3,144	37,253	9,077	6,904	12,611	154,743
% SHARE		14.53	5.63	11.41	23.85	2.03	24.07	5.87	4.46	8.15	
GROWTH		7,707	3,174	3,979	12,167	732	17,905	387	1,937	3,857	51,845
% SHARE		52.18	57.39	29.08	49.17	30.35	92.54	4.45	39.00	44.06	

CONTD....



	1	2	3	4	5	6	7	8	9	10	11
<b>AMRELI</b>											
1984-85		939	292	842	1,574	28	3,024	232		197	7,128
% SHARE		13.17	4.10	11.81	22.08	0.39	42.42	3.25	0.00	2.76	
1988-89		2,108	386	2,455	2,970	27	5,859	364		2,235	16,404
% SHARE		12.85	2.35	14.97	18.11	0.16	35.72	2.22	0.00	13.62	
GROWTH		1,169	94	1,613	1,396	1	2,835	132		2,038	9,276
% SHARE		124.49	32.19	191.57	88.69	-3.57	93.75	56.90	0.00	1034.52	
<b>ANAND</b>											
1984-85		5,178	394	1,317	2,539	1,565	5,092	606	962	1,957	19,610
% SHARE		26.40	2.01	6.72	12.95	7.98	25.97	3.09	4.91	9.98	
1988-89		7,090	1,272	1,822	460	2,114	11,139	1,084	1,261	1,741	27,983
% SHARE		25.34	4.55	6.51	1.64	7.55	39.81	3.87	4.51	6.22	
GROWTH		1,912	878	505	2,079	549	6,047	478	299	216	8,373
% SHARE		36.93	222.84	38.34	-81.88	35.08	118.75	78.88	31.08	-11.04	
<b>BHUJ</b>											
1984-85		990	482	1,813	2,945		32	223		1,335	7,820
% SHARE		12.66	6.16	23.18	37.66	0.00	0.41	2.85	0.00	17.07	
1988-89		1,833	811	3,317	4,753			665		2,994	14,373
% SHARE		12.75	5.64	23.08	33.07	0.00	0.00	4.63	0.00	20.83	
GROWTH		843	329	1,504	1,808			442		1,659	6,553
% SHARE		85.15	68.26	82.96	61.39	0.00	0.00	198.21	0.00	124.27	
<b>BOTAD</b>											
1984-85		1,222	337	1,032	1,173		2,433	286	42	185	6,710
% SHARE		18.21	5.02	15.38	17.48	0.00	36.26	4.26	0.63	2.76	
1988-89		1,495	407	1,644	1,679	96	4,138	125	49	292	9,925
% SHARE		15.06	4.10	16.56	16.92	0.97	41.69	1.26	0.49	2.94	
GROWTH		273	70	612	506		1,705	161	7	107	3,215
% SHARE		22.34	20.77	59.30	43.14	0.00	70.08	-56.29	16.67	57.84	
<b>DAHOD</b>											
1984-85		1,099	551	567	2,021			763		583	5,584
% SHARE		19.68	9.87	10.15	36.19	0.00	0.00	13.66	0.00	10.44	
1988-89		3,276	909	1,285	2,573			265		656	8,964
% SHARE		36.55	10.14	14.34	28.70	0.00	0.00	2.96	0.00	7.32	
GROWTH		2,177	358	718	552			498		73	3,380
% SHARE		198.09	64.97	126.63	27.31	0.00	0.00	-65.27	0.00	12.52	

CONTD....

	1	2	3	4	5	6	7	8	9	10	11
<b>DHORAJI</b>											
1984-85		1,914	604	845	285		272	701		1,673	6,294
% SHARE		30.41	9.60	13.43	4.53	0.00	4.32	11.14	0.00	26.58	
1988-89		1,026	728	2,813	1,264		73	177		70	6,151
% SHARE		16.68	11.84	45.73	20.55	0.00	1.19	2.88	0.00	1.14	
GROWTH		888	124	1,968	979		199	524		1,603	143
% SHARE		-46.39	20.53	232.90	343.51	0.00	-73.16	-74.75	0.00	-95.82	
<b>DHRANGADHRA</b>											
1984-85		846	302	638	1,723	59	51	183	12	596	4,410
% SHARE		19.18	6.85	14.47	39.07	1.34	1.16	4.15	0.27	13.51	
1988-89		4,571	483	972	70	217	65	255		512	7,145
% SHARE		63.97	6.76	13.60	0.98	3.04	0.91	3.57	0.00	7.17	
GROWTH		3,725	181	334	1,653	158	14	72		84	2,735
% SHARE		440.31	59.93	52.35	-95.94	267.80	27.45	39.34	0.00	-14.09	
<b>GANDHIDHAM</b>											
1984-85		1,886	340	794	1,705		569	92		400	5,786
% SHARE		32.60	5.88	13.72	29.47	0.00	9.83	1.59	0.00	6.91	
1988-89		3,624	711	2,294	2,962	61		1,417		706	11,775
% SHARE		30.78	6.04	19.48	25.15	0.52	0.00	12.03	0.00	6.00	
GROWTH		1,738	371	1,500	1,257			1,325		306	5,989
% SHARE		92.15	109.12	188.92	73.72	0.00	0.00	1440.22	0.00	76.50	
<b>GODHRA</b>											
1984-85		2,847	774	815	1,609	263	4,175	218		1,860	12,561
% SHARE		22.67	6.16	6.49	12.81	2.09	33.24	1.74	0.00	14.81	
1988-89		2,263	1,051	972	2,769	285	9,552	226	53	1,237	18,408
% SHARE		12.29	5.71	5.28	15.04	1.55	51.89	1.23	0.29	6.72	
GROWTH		584	277	157	1,160	22	5,377	8		623	5,847
% SHARE		-20.51	35.79	19.26	72.09	8.37	128.79	3.67	0.00	-33.49	
<b>GONDAL</b>											
1984-85		2,009	368	728	2,222	66	3,333	842		442	10,010
% SHARE		20.07	3.68	7.27	22.20	0.66	33.30	8.41	0.00	4.42	
1988-89		3,044	789	996	2,822	89	5,951	1,165		805	15,661
% SHARE		19.44	5.04	6.36	18.02	0.57	38.00	7.44	0.00	5.14	
GROWTH		1,035	421	268	600	23	2,618	323		363	5,651
% SHARE		51.52	114.40	36.81	27.00	34.85	78.55	38.36	0.00	82.13	

CONTD....

	1	2	3	4	5	6	7	8	9	10	11
<b>JETPUR</b>											
1984-85		1,235	489	1,275	2,001	177	3,034	257		1,707	10,175
% SHARE		12.14	4.81	12.53	19.67	1.74	29.82	2.53	0.00	16.78	
1988-89		1,393	648	1,950	2,391	378	5,813	273		711	13,557
% SHARE		10.28	4.78	14.38	17.64	2.79	42.88	2.01	0.00	5.24	
GROWTH		158	159	675	390	201	2,779	16		996	3,382
% SHARE		12.79	32.52	52.94	19.49	113.56	91.60	6.23	0.00	-58.35	
<b>KALOL</b>											
1984-85		2,530	285	1,388	2,540	1,050	2,624	443	313	127	11,300
% SHARE		22.39	2.52	12.28	22.48	9.29	23.22	3.92	2.77	1.12	
1988-89		3,208	549	1,625	3,338	1,297	1,201	519		445	12,182
% SHARE		26.33	4.51	13.34	27.40	10.65	9.86	4.26	0.00	3.65	
GROWTH		678	264	237	798	247	1,423	76		318	882
% SHARE		26.80	92.63	17.07	31.42	23.52	-54.23	17.16	0.00	250.39	
<b>KHAMBHAT</b>											
1984-85		3,152	486	1,042	3,139		401	668		206	9,094
% SHARE		34.66	5.34	11.46	34.52	0.00	4.41	7.35	0.00	2.27	
1988-89		2,757	862	1,292	4,428		553	1,290		1,639	12,821
% SHARE		21.50	6.72	10.08	34.54	0.00	4.31	10.06	0.00	12.78	
GROWTH		395	376	250	1,289		152	622		1,433	3,727
% SHARE		-12.53	77.37	23.99	41.06	0.00	37.91	93.11	0.00	695.63	
<b>MAHUNA</b>											
1984-85		1,391	206	332	2,829	2,107	2,149	406		1,181	10,601
% SHARE		13.12	1.94	3.13	26.69	19.88	20.27	3.83	0.00	11.14	
1988-89		2,030	229	410	2,267	3,781	4,196	1,273		1,941	16,127
% SHARE		12.59	1.42	2.54	14.06	23.45	26.02	7.89	0.00	12.04	
GROWTH		639	23	78	562	1,674	2,047	867		760	5,526
% SHARE		45.94	11.17	23.49	-19.87	79.45	95.25	213.55	0.00	64.35	
<b>MEHESANA</b>											
1984-85		1,550	284	1,815	1,813	173		363	612	209	6,819
% SHARE		22.73	4.16	26.62	26.59	2.54	0.00	5.32	8.97	3.06	
1988-89		4,814	348	2,535	2,419	297		471	1,280	1,225	13,389
% SHARE		35.95	2.60	18.93	18.07	2.22	0.00	3.52	9.56	9.15	
GROWTH		3,264	64	720	606	124		108	668	1,016	6,570
% SHARE		210.58	22.54	39.67	33.43	71.68	0.00	29.75	109.15	486.12	

CONTD....

	1	2	3	4	5	6	7	8	9	10	11
<b>MORVI</b>											
1984-85		1,445	720	1,677	2,248	29	334	431		1,457	8,341
% SHARE		17.32	8.63	20.11	26.95	0.35	4.00	5.17	0.00	17.47	
1988-89		2,391	986	2,079	4,166	30	569	813		5,416	16,450
% SHARE		14.53	5.99	12.64	25.33	0.18	3.46	4.94	0.00	32.92	
GROWTH		946	266	402	1,918	1	235	382		3,959	8,109
% SHARE		65.47	36.94	23.97	85.32	3.45	70.36	88.63	0.00	271.72	
<b>PALANPUR</b>											
1984-85		2,334	340	794	1,705		569	740	393	714	7,589
% SHARE		30.76	4.48	10.46	22.47	0.00	7.50	9.75	5.18	9.41	
1988-89		3,103	586	2,587	3,723	1	560	506	23,262	942	35,270
% SHARE		8.80	1.66	7.33	10.56	0.00	1.59	1.43	65.95	2.67	
GROWTH		769	246	1,793	2,018		9	234	22,869	228	27,681
% SHARE		32.95	72.35	225.82	118.36	0.00	-1.58	-31.62	5819.08	31.93	
<b>PATAN</b>											
1984-85		1,707	1,073	1,478	2,377	27	2,911	494	7,238	736	18,041
% SHARE		9.46	5.95	8.19	13.18	0.15	16.14	2.74	40.12	4.08	
1988-89		2,628	971	3,119	3,545	117	5,362	2,485	8,951	621	27,799
% SHARE		9.45	3.49	11.22	12.75	0.42	19.29	8.94	32.20	2.23	
GROWTH		921	102	1,641	1,168	90	2,451	1,991	1,713	115	9,758
% SHARE		53.95	-9.51	111.03	49.14	333.33	84.20	403.04	23.67	-15.63	
<b>SIDHPUR</b>											
1984-85		884	213	500	1,486	854	2,261	151	116	362	6,827
% SHARE		12.95	3.12	7.32	21.77	12.51	33.12	2.21	1.70	5.30	
1988-89		1,344	341	1,393	2,380	1,249	4,275	123	8,168	191	19,464
% SHARE		6.91	1.75	7.16	12.23	6.42	21.96	0.63	41.96	0.98	
GROWTH		460	128	893	894	395	2,014	28	8,052	171	12,637
% SHARE		52.04	60.09	178.60	60.16	46.25	89.08	-18.54	6941.38	-47.24	
<b>SURENDRANAGAR</b>											
1984-85		2,419	956	1,811	2,866	376	4,391	3,312		547	16,678
% SHARE		14.50	5.73	10.86	17.18	2.25	26.33	19.86	0.00	3.28	
1988-89		2,813	574	1,734	3,838	202	7,838	2,280		1,111	20,390
% SHARE		13.80	2.82	8.50	18.82	0.99	38.44	11.18	0.00	5.45	
GROWTH		394	382	77	972	174	3,447	1,032		564	3,712
% SHARE		16.29	-39.96	-4.25	33.91	-46.28	78.50	-31.16	0.00	103.11	

CONTD....

	1	2	3	4	5	6	7	8	9	10	11
<b>UPLETA</b>											
1984-85		1,286	388	434	1,744	137	1,865	998	681	914	8,447
% SHARE		15.22	4.59	5.14	20.65	1.62	22.08	11.81	8.06	10.82	
1988-89		1,591	365	762	2,003		1,859	324		1,253	8,157
% SHARE		19.50	4.47	9.34	24.56	0.00	22.79	3.97	0.00	15.36	
GROWTH		305	23	328	259		6	674		339	290
% SHARE		23.72	-5.93	75.58	14.85	0.00	-0.32	-67.54	0.00	37.09	
<b>VALSAD</b>											
1984-85		2,343	402	1,639	1,531	1,145	280	1,280		727	9,347
% SHARE		25.07	4.30	17.54	16.38	12.25	3.00	13.69	0.00	7.78	
1988-89		2,487	791	2,269	2,867	1,469	371	948		1,664	12,866
% SHARE		19.33	6.15	17.64	22.28	11.42	2.88	7.37	0.00	12.93	
GROWTH		144	389	630	1,336	324	91	332		937	3,519
% SHARE		6.15	96.77	38.44	87.26	28.30	32.50	-25.94	0.00	128.89	
<b>TOTAL</b>											
1984-85		41,206	10,286	23,576	44,075	8,056	39,800	13,689	10,369	18,115	209,172
% SHARE		19.70	4.92	11.27	21.07	3.85	19.03	6.54	4.96	8.66	
1988-89		60,889	14,797	40,325	59,687	11,710	69,374	17,048	43,024	28,407	345,261
% SHARE		17.64	4.29	11.68	17.29	3.39	20.09	4.94	12.46	8.23	
GROWTH		19,683	4,511	16,749	15,612	3,654	29,574	3,359	32,655	10,292	136,089
% SHARE		47.77	43.86	71.04	35.42	45.36	74.31	24.54	314.93	56.81	
<b>CLASS C</b>											
<b>ANJAR</b>											
1984-85		828	106	707	810	80	1,856	239	22	604	5,252
% SHARE		15.77	2.02	13.46	15.42	1.52	35.34	4.55	0.42	11.50	
1988-89		1,424	363	1,562	1,506	151	4,335	498		936	10,775
% SHARE		13.22	3.37	14.50	13.98	1.40	40.23	4.62	0.00	8.69	
GROWTH		596	257	855	696	71	2,479	259		332	5,523
% SHARE		71.98	242.45	120.93	85.93	88.75	133.57	108.37	0.00	54.97	
<b>ANKLESVAR</b>											
1984-85		1,031	486	96	943	596	2,636	393		875	7,056
% SHARE		14.61	6.89	1.36	13.36	8.45	37.36	5.57	0.00	12.40	
1988-89		1,734	1,000	4,558	1,629	923	5,236	1,103		125	16,308
% SHARE		10.63	6.13	27.95	9.99	5.66	32.11	6.76	0.00	0.77	
GROWTH		703	514	4,462	686	327	2,600	710		750	9,252
% SHARE		68.19	105.76	4647.92	72.75	54.87	98.63	180.66	0.00	-85.71	

CONTD....

	1	2	3	4	5	6	7	8	9	10	11
<b>BAGASARA</b>											
1984-85											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89		710	231	435	1,278		109	152		249	3,164
% SHARE		22.44	7.30	13.75	40.39	0.00	3.45	4.80	0.00	7.87	
GROWTH											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>BARDOLI</b>											
1984-85											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89		754	264	504	503		35	421			2,481
% SHARE		30.39	10.64	20.31	20.27	0.00	1.41	16.97	0.00	0.00	
GROWTH											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>BILIMORA</b>											
1984-85		638	372	624	1,726	777	205	246		6,603	11,191
% SHARE		5.70	3.32	5.58	15.42	6.94	1.83	2.20	0.00	59.00	
1988-89		1,525	614	910	1,098	1,076	4,221	434		406	10,284
% SHARE		14.83	5.97	8.85	10.68	10.46	41.04	4.22	0.00	3.95	
GROWTH		887	242	286	628	299	4,016	188		6,197	907
% SHARE		139.03	65.05	45.83	-36.38	38.48	1959.02	76.42	0.00	-93.85	
<b>BORSAD</b>											
1984-85		720	196	409	938	598		472	2,176	362	5,871
% SHARE		12.26	3.34	6.97	15.98	10.19	0.00	8.04	37.06	6.17	
1988-89		2,291	298	250	785	717		258		40	4,639
% SHARE		49.39	6.42	5.39	16.92	15.46	0.00	5.56	0.00	0.86	
GROWTH		1,571	102	159	153	119		214		322	1,232
% SHARE		218.19	52.04	-38.88	-16.31	19.90	0.00	-45.34	0.00	-88.95	
<b>DABHOI</b>											
1984-85		1,224	172	512	1,168		2,197	314		2,816	8,403
% SHARE		14.57	2.05	6.09	13.90	0.00	26.15	3.74	0.00	33.51	
1988-89		2,176	337	1,209	1,729		3,112	283		1,228	10,074
% SHARE		21.60	3.35	12.00	17.16	0.00	30.89	2.81	0.00	12.19	
GROWTH		952	165	697	561		915	31		1,588	1,671
% SHARE		77.78	95.93	136.13	48.03	0.00	41.65	-9.87	0.00	-56.39	

CONTD....

	1	2	3	4	5	6	7	8	9	10	11
<b>DAHEBAM</b>											
1984-85											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89		399	180	1,352	63		295	135		105	2,529
% SHARE		15.78	7.12	53.46	2.49	0.00	11.66	5.34	0.00	4.15	
GROWTH											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>DEESA</b>											
1984-85		997	741	1,024	1,519	146	436	2,906	12	1,007	8,788
% SHARE		11.35	8.43	11.65	17.28	1.66	4.96	33.07	0.14	11.46	
1988-89		1,715	456	861	2,796	180	838	781	12,744	1,428	21,799
% SHARE		7.87	2.09	3.95	12.83	0.83	3.84	3.58	58.46	6.55	
GROWTH		718	285	163	1,277	34	402	2,125	12,732	421	13,011
% SHARE		72.02	-38.46	-15.92	84.07	23.29	92.20	-73.12	106100.00	41.81	
<b>DHOLKA</b>											
1984-85		840	251	384	861	300	21	34		754	3,445
% SHARE		24.38	7.29	11.15	24.99	8.71	0.61	0.99	0.00	21.89	
1988-89		1,959	340	802	1,357	396		718		257	5,829
% SHARE		33.61	5.83	13.76	23.28	6.79	0.00	12.32	0.00	4.41	
GROWTH		1,119	89	418	496	96		684		497	2,384
% SHARE		133.21	35.46	108.85	57.61	32.00	0.00	2011.76	0.00	-65.92	
<b>HIMMATNAGAR</b>											
1984-85											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89		1,782	578	1,548	1,098		26	1,196		231	6,459
% SHARE		27.59	8.95	23.97	17.00	0.00	0.40	18.52	0.00	3.58	
GROWTH											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>JAMBUSAR</b>											
1984-85											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89		393	124	564	711	121	272	395		201	2,781
% SHARE		14.13	4.46	20.28	25.57	4.35	9.78	14.20	0.00	7.23	
GROWTH											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

CONTD....

	1	2	3	4	5	6	7	8	9	10	11
<b>KADI</b>											
1984-85		705	176	37	871	370	23	74		71	2,327
% SHARE		30.30	7.56	1.59	37.43	15.90	0.99	3.18	0.00	3.05	
1988-89		1,115	326	693	1,382	537	54	85		306	4,498
% SHARE		24.79	7.25	15.41	30.72	11.94	1.20	1.89	0.00	6.80	
GROWTH		410	150	656	511	167	31	11		235	2,171
% SHARE		58.16	85.23	1772.97	58.67	45.14	134.78	14.86	0.00	330.99	
<b>KAPADWANJ</b>											
1984-85		617	222	643	1,075	685	2,891	146		692	6,971
% SHARE		8.85	3.18	9.22	15.42	9.83	41.47	2.09	0.00	9.93	
1988-89		2,260	373	1,141	1,628	1,090	3,450	159		621	10,722
% SHARE		21.08	3.48	10.64	15.18	10.17	32.18	1.48	0.00	5.79	
GROWTH		1,643	151	498	553	405	559	13		71	3,751
% SHARE		266.29	68.02	77.45	51.44	59.12	19.34	8.90	0.00	-10.26	
<b>KESOD</b>											
1984-85											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89		891	403	753	980	39	130	1	12	263	3,472
% SHARE		25.66	11.61	21.69	28.23	1.12	3.74	0.03	0.35	7.57	
GROWTH											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>KHAMBHALIYA</b>											
1984-85											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89		1,073	323	704	1,739		149	74		30	4,092
% SHARE		26.22	7.89	17.20	42.50	0.00	3.64	1.81	0.00	0.73	
GROWTH											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>LIMBADI</b>											
1984-85		715	223	468	1,416	86	1,752	145	196	611	5,612
% SHARE		12.74	3.97	8.34	25.23	1.53	31.22	2.58	3.49	10.89	
1988-89		924	328	418	1,743	102	2,730	148	134	604	7,131
% SHARE		12.96	4.60	5.86	24.44	1.43	38.28	2.08	1.88	8.47	
GROWTH		209	105	50	327	16	978	3	62	7	1,519
% SHARE		29.23	47.09	-10.68	23.09	18.60	55.82	2.07	-31.63	-1.15	

CONTD....



	1	2	3	4	5	6	7	8	9	10	11
<b>MANDVI</b>											
1984-85		604	159	306	656		76	101		842	2,744
% SHARE		22.01	5.79	11.15	23.91	0.00	2.77	3.68	0.00	30.69	
1988-89		1,340	294	860	1,309			286		506	4,595
% SHARE		29.16	6.40	18.72	28.49	0.00	0.00	6.22	0.00	11.01	
GROWTH		736	135	554	653			185		336	1,851
% SHARE		121.85	84.91	181.05	99.54	0.00	0.00	183.17	0.00	-39.90	
<b>MANGROL</b>											
1984-85		492	111	280	820	11	51	137		338	2,240
% SHARE		21.96	4.96	12.50	36.61	0.49	2.28	6.12	0.00	15.09	
1988-89		964	142	244	1,124		58	43		141	2,716
% SHARE		35.49	5.23	8.98	41.38	0.00	2.14	1.58	0.00	5.19	
GROWTH		472	31	36	304		7	94		197	476
% SHARE		95.93	27.93	-12.86	37.07	0.00	13.73	-68.61	0.00	-58.28	
<b>MODASA</b>											
1984-85											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89		896	311	711	654		2			680	3,254
% SHARE		27.54	9.56	21.85	20.10	0.00	0.06	0.00	0.00	20.90	
GROWTH											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>PADRA</b>											
1984-85											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89		965	204	544	756		3,132	180		23	5,804
% SHARE		16.63	3.51	9.37	13.03	0.00	53.96	3.10	0.00	0.40	
GROWTH											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>PALITANA</b>											
1984-85		1,534	157	626	1,149	54	2,160	445		531	6,656
% SHARE		23.05	2.36	9.41	17.26	0.81	32.45	6.69	0.00	7.98	
1988-89		2,246	350	1,332	1,747	90	3,661	2,092		172	11,690
% SHARE		19.21	2.99	11.39	14.94	0.77	31.32	17.90	0.00	1.47	
GROWTH		712	193	706	598	36	1,501	1,647		359	5,034
% SHARE		46.41	122.93	112.78	52.05	66.67	69.49	370.11	0.00	-67.61	

CONTD....

	1	2	3	4	5	6	7	8	9	10	11
<b>PETLAD</b>											
1984-85		812	286	658	909	243	740	1,254		699	5,601
% SHARE		14.50	5.11	11.75	16.23	4.34	13.21	22.39	0.00	12.48	
1988-89		948	404	990	1,422	337	131	936		639	5,807
% SHARE		16.33	6.96	17.05	24.49	5.80	2.26	16.12	0.00	11.00	
GROWTH		136	118	332	513	94	609	318		60	206
% SHARE		16.75	41.26	50.46	56.44	38.68	-82.30	-25.36	0.00	-8.58	
<b>RAJPIPLA</b>											
1984-85		1,266	467	803	946	7	1,676	69		441	5,675
% SHARE		22.31	8.23	14.15	16.67	0.12	29.53	1.22	0.00	7.77	
1988-89		1,834	452	1,035	1,226	13	3,308	376		562	8,806
% SHARE		20.83	5.13	11.75	13.92	0.15	37.57	4.27	0.00	6.38	
GROWTH		568	15	232	280	6	1,632	307		121	3,131
% SHARE		44.87	-3.21	28.89	29.60	85.71	97.37	444.93	0.00	27.44	
<b>SAVARKUNDLA</b>											
1984-85		1,588	172	660	1,419	43	2,753	418		361	7,414
% SHARE		21.42	2.32	8.90	19.14	0.58	37.13	5.64	0.00	4.87	
1988-89		2,641	355	1,896	2,612	51	10,065	265		821	18,706
% SHARE		14.12	1.90	10.14	13.96	0.27	53.81	1.42	0.00	4.39	
GROWTH		1,053	183	1,236	1,193	8	7,312	153		460	11,292
% SHARE		66.31	106.40	187.27	84.07	18.60	265.60	-36.60	0.00	127.42	
<b>UMRETH</b>											
1984-85		543	104	158	509		13	48		50	1,425
% SHARE		38.11	7.30	11.09	35.72	0.00	0.91	3.37	0.00	3.51	
1988-89		680	201	369	510	374	9	247		184	2,574
% SHARE		26.42	7.81	14.34	19.81	14.53	0.35	9.60	0.00	7.15	
GROWTH		137	97	211	1		4	199		134	1,149
% SHARE		25.23	93.27	133.54	0.20	0.00	-30.77	414.58	0.00	268.00	
<b>UNA</b>											
1984-85											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89		479						93		114	686
% SHARE		69.83	0.00	0.00	0.00	0.00	0.00	13.56	0.00	16.62	
GROWTH											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

CONTD....

	1	2	3	4	5	6	7	8	9	10	11
<b>UNJHA</b>											
1984-85		851	161	1,284	848	14	1,734	179		324	5,395
% SHARE		15.77	2.98	23.80	15.72	0.26	32.14	3.32	0.00	6.01	
1988-89		954	443	2,292	1,229		3,797	267		3,704	12,686
% SHARE		7.52	3.49	18.07	9.69	0.00	29.93	2.10	0.00	29.20	
GROWTH		103	282	1,008	381		2,063	88		3,380	7,291
% SHARE		12.10	175.16	78.50	44.93	0.00	118.97	49.16	0.00	1043.21	
<b>VIRAMGAM</b>											
1984-85		1,104	221	826	1,608	646		485		700	5,590
% SHARE		19.75	3.95	14.78	28.77	11.56	0.00	8.68	0.00	12.52	
1988-89		2,084	326	1,458	1,328	869		117		628	6,810
% SHARE		30.60	4.79	21.41	19.50	12.76	0.00	1.72	0.00	9.22	
GROWTH		980	105	632	280	223		368		72	1,220
% SHARE		88.77	47.51	76.51	-17.41	34.52	0.00	-75.88	0.00	-10.29	
<b>VISNAGAR</b>											
1984-85		623	219	1,178	1,048			221	5,773	374	9,436
% SHARE		6.60	2.32	12.48	11.11	0.00	0.00	2.34	61.18	3.96	
1988-89		855	297	2,020	1,537			179	8,768	217	13,873
% SHARE		6.16	2.14	14.56	11.08	0.00	0.00	1.29	63.20	1.56	
GROWTH		232	78	842	489			42	2,995	157	4,437
% SHARE		37.24	35.62	71.48	46.66	0.00	0.00	-19.00	51.88	-41.98	
<b>VYARA</b>											
1984-85											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89		809	122	425	399			1,219		325	3,299
% SHARE		24.52	3.70	12.88	12.09	0.00	0.00	36.95	0.00	9.85	
GROWTH											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>WADHWAN</b>											
1984-85		634	226	122	860			1,737		1,351	4,930
% SHARE		12.86	4.58	2.47	17.44	0.00	0.00	35.23	0.00	27.40	
1988-89		767	576	693	1,162	12		787		1,971	5,968
% SHARE		12.85	9.65	11.61	19.47	0.20	0.00	13.19	0.00	33.03	
GROWTH		133	350	571	302			950		620	1,038
% SHARE		20.98	154.87	468.03	35.12	0.00	0.00	-54.69	0.00	45.89	

CONTD....

	1	2	3	4	5	6	7	8	9	10	11
<b>WANKANER</b>											
1984-85		967	230	299	784	7	6	136		107	2,536
% SHARE		38.13	9.07	11.79	30.91	0.28	0.24	5.36	0.00	4.22	
1988-89		1,354	199	432	1,332	8		266		660	4,251
% SHARE		31.85	4.68	10.16	31.33	0.19	0.00	6.26	0.00	15.53	
GROWTH		387	31	133	548	1		130		553	1,715
% SHARE		40.02	-13.48	44.48	69.90	14.29	0.00	95.59	0.00	516.82	
<b>TOTAL</b>											
1984-85		19,333	5,458	12,104	22,883	4,663	21,226	10,199	8,179	20,513	124,558
% SHARE		15.52	4.38	9.72	18.37	3.74	17.04	8.19	6.57	16.47	
1988-89		42,941	11,214	33,565	40,372	7,086	49,155	14,194	21,658	18,377	238,562
% SHARE		18.00	4.70	14.07	16.92	2.97	20.60	5.95	9.08	7.70	
GROWTH		23,608	5,756	21,461	17,489	2,423	27,929	3,995	13,479	2,136	114,004
% SHARE		122.11	105.46	177.31	76.43	51.96	131.58	39.17	164.80	-10.41	
<b>GUJARAT</b>											
1984-85		253,312	71,627	170,234	316,305	108,717	319,246	113,538	55,883	421,587	1,830,449
% SHARE		13.84	3.91	9.30	17.28	5.94	17.44	6.20	3.05	23.03	
1988-89		486,585	127,611	315,123	516,319	198,718	713,835	188,109	119,941	617,847	3,284,088
% SHARE		14.82	3.89	9.60	15.72	6.05	21.74	5.73	3.65	18.81	
GROWTH		233,273	55,984	144,889	200,014	90,001	394,589	74,571	64,058	196,260	1,453,639
% SHARE		92.09	78.16	85.11	63.23	82.78	123.60	65.68	114.63	46.55	

SOURCE: NIUA SURVEY, 1991

ANNEX C:7

PATTERN OF REVENUE EXPENDITURE ON SERVICES OF MUNICIPAL BODIES  
ACCORDING TO REGIONS, 1984-85 AND 1988-89

MUNICIPAL BODY/ REGION	EXPENDITURE ('000 RS)									
	GENERAL ADMINIS- TRATION	PUBLIC SAFETY	WATER SUPPLY	PUBLIC HEALTH/ SANITATION	MEDICAL SERVICES/ RELIEF	EDUCATION	PUBLIC BUILDING/ WORKS	COMMERCIAL ACTIVITIES	OTHERS	TOTAL
1	2	3	4	5	6	7	8	9	10	11
<b>SOUTH</b>										
<b>ANKLESVAR</b>										
1984-85	1,031	486	96	943	596	2,636	393		875	7,056
% SHARE	14.61	6.89	1.36	13.36	8.45	37.36	5.57	0.00	12.40	
1988-89	1,734	1,000	4,558	1,629	923	5,236	1,103		125	16,308
% SHARE	10.63	6.13	27.95	9.99	5.66	32.11	6.76	0.00	0.77	
GROWTH	703	514	4,462	686	327	2,600	710		750	9,252
% SHARE	68.19	105.76	4647.92	72.75	54.87	98.63	180.66	0.00	-85.71	
<b>BARDOLI</b>										
1984-85										
% SHARE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89	754	264	504	503		35	421			2,481
% SHARE	30.39	10.64	20.31	20.27	0.00	1.41	16.97	0.00	0.00	
GROWTH										
% SHARE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>BHARUCH</b>										
1984-85	2,296	1,190	2,701	4,516	252	6,037	1,742		757	19,491
% SHARE	11.78	6.11	13.86	23.17	1.29	30.97	8.94	0.00	3.88	
1988-89	3,897	1,426	5,391	7,763	460	10,841	836		1,857	32,471
% SHARE	12.00	4.39	16.60	23.91	1.42	33.39	2.57	0.00	5.72	
GROWTH	1,601	236	2,690	3,247	208	4,804	906		1,100	12,980
% SHARE	69.73	19.83	99.59	71.90	82.54	79.58	-52.01	0.00	145.31	
<b>BILIMORA</b>										
1984-85	638	372	624	1,726	777	205	246		6,603	11,191
% SHARE	5.70	3.32	5.58	15.42	6.94	1.83	2.20	0.00	59.00	
1988-89	1,525	614	910	1,098	1,076	4,221	434		406	10,284
% SHARE	14.83	5.97	8.85	10.68	10.46	41.04	4.22	0.00	3.95	
GROWTH	887	242	286	628	299	4,016	188		6,197	907
% SHARE	139.03	65.05	45.83	-36.38	38.48	1959.02	76.42	0.00	-93.85	

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>DABHOI</b>											
1984-85		1,224	172	512	1,168		2,197	314		2,816	8,403
% SHARE		14.57	2.05	6.09	13.90	0.00	26.15	3.74	0.00	33.51	
1988-89		2,176	337	1,209	1,729		3,112	283		1,228	10,074
% SHARE		21.60	3.35	12.00	17.16	0.00	30.89	2.81	0.00	12.19	
GROWTH		952	165	697	561		915	31		1,588	1,671
% SHARE		77.78	95.93	136.13	48.03	0.00	41.65	-9.87	0.00	-56.39	
<b>DAHOD</b>											
1984-85		1,099	551	567	2,021			763		583	5,584
% SHARE		19.68	9.87	10.15	36.19	0.00	0.00	13.66	0.00	10.44	
1988-89		3,276	909	1,285	2,573			265		656	8,964
% SHARE		36.55	10.14	14.34	28.70	0.00	0.00	2.96	0.00	7.32	
GROWTH		2,177	358	718	552			498		73	3,380
% SHARE		198.09	64.97	126.63	27.31	0.00	0.00	-65.27	0.00	12.52	
<b>GODHRA</b>											
1984-85		2,847	774	815	1,609	263	4,175	218		1,860	12,561
% SHARE		22.67	6.16	6.49	12.81	2.09	33.24	1.74	0.00	14.81	
1988-89		2,263	1,051	972	2,769	285	9,552	226	53	1,237	18,408
% SHARE		12.29	5.71	5.28	15.04	1.55	51.89	1.23	0.29	6.72	
GROWTH		584	277	157	1,160	22	5,377	8		623	5,847
% SHARE		-20.51	35.79	19.26	72.09	8.37	128.79	3.67	0.00	-33.49	
<b>JAMBUSAR</b>											
1984-85											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89		393	124	564	711	121	272	395		201	2,781
% SHARE		14.13	4.46	20.28	25.57	4.35	9.78	14.20	0.00	7.23	
GROWTH											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>NAVSARI</b>											
1984-85		1,460	1,212	2,771	2,398	126	4,532	3,800		1,190	17,489
% SHARE		8.35	6.93	15.84	13.71	0.72	25.91	21.73	0.00	6.80	
1988-89		2,388	1,733	335	3,791	72	9,715	2,935		1,940	22,909
% SHARE		10.42	7.56	1.46	16.55	0.31	42.41	12.81	0.00	8.47	
GROWTH		928	521	2,436	1,393	54	5,183	865		750	5,420
% SHARE		63.56	42.99	-87.91	58.09	-42.86	114.36	-22.76	0.00	63.03	

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>PADRA</b>											
1984-85											
% SHARE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89	965	204	544	756		3,132	180			23	5,804
% SHARE	16.63	3.51	9.37	13.03	0.00	53.96	3.10	0.00	0.40		
GROWTH											
% SHARE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>RAJPIPLA</b>											
1984-85	1,266	467	803	946	7	1,676	69			441	5,675
% SHARE	22.31	8.23	14.15	16.67	0.12	29.53	1.22	0.00	7.77		
1988-89	1,834	452	1,035	1,226	13	3,308	376			562	8,806
% SHARE	20.83	5.13	11.75	13.92	0.15	37.57	4.27	0.00	6.38		
GROWTH	568	15	232	280	6	1,632	307			121	3,131
% SHARE	44.87	-3.21	28.89	29.60	85.71	97.37	444.93	0.00	27.44		
<b>SURAT</b>											
1984-85	15,211	6,717	18,016	47,283		40,449	23,941			56,048	207,665
% SHARE	7.32	3.23	8.68	22.77	0.00	19.48	11.53	0.00	26.99		
1988-89	38,436	20,152	41,766	87,854	20,854	97,836	51,090			88,966	446,954
% SHARE	8.60	4.51	9.34	19.66	4.67	21.89	11.43	0.00	19.90		
GROWTH	23,225	13,435	23,750	40,571		57,387	27,149			32,918	239,289
% SHARE	152.69	200.01	131.83	85.80	0.00	141.87	113.40	0.00	58.73		
<b>VADODARA</b>											
1984-85	71,646	8,123	23,860	20,473	6,845	41,004	7,609	24,232	40,483	244,275	
% SHARE	29.33	3.33	9.77	8.38	2.80	16.79	3.11	9.92	16.57		
1988-89	120,910	14,128	43,602	27,138	14,264	78,528	9,583	26,289	41,342	375,784	
% SHARE	32.18	3.76	11.60	7.22	3.80	20.90	2.55	7.00	11.00		
GROWTH	49,264	6,005	19,742	6,665	7,419	37,524	1,974	2,057	859	131,509	
% SHARE	68.76	73.93	82.74	32.56	108.39	91.51	25.94	8.49	2.12		
<b>VALSAD</b>											
1984-85	2,343	402	1,639	1,531	1,145	280	1,280			727	9,347
% SHARE	25.07	4.30	17.54	16.38	12.25	3.00	13.69	0.00	7.78		
1988-89	2,487	791	2,269	2,867	1,469	371	948			1,664	12,866
% SHARE	19.33	6.15	17.64	22.28	11.42	2.88	7.37	0.00	12.93		
GROWTH	144	389	630	1,336	324	91	332			937	3,519
% SHARE	6.15	96.77	38.44	87.26	28.30	32.50	-25.94	0.00	128.89		

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>VYARA</b>											
1984-85											
% SHARE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89	809	122	425	399				1,219		325	3,299
% SHARE	24.52	3.70	12.88	12.09	0.00	0.00	0.00	36.95	0.00	9.85	
GROWTH											
% SHARE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>TOTAL</b>											
1984-85	101,061	20,466	52,404	84,614	10,011	103,191	40,375	24,232	112,383	548,737	
% SHARE	18.42	3.73	9.55	15.42	1.82	18.81	7.36	4.42	20.48		
1988-89	183,847	43,307	105,369	142,806	39,537	226,159	70,294	26,342	140,532	978,193	
% SHARE	18.79	4.43	10.77	14.60	4.04	23.12	7.19	2.69	14.37		
GROWTH	82,786	22,841	52,965	58,192	29,526	122,968	29,919	2,110	28,149	429,456	
% SHARE	81.92	111.60	101.07	68.77	294.94	119.17	74.10	8.71	25.05		
<b>CENTRAL</b>											
<b>AHMEDABAD</b>											
1984-85	58,097	27,357	59,507	119,303	83,321	131,649	35,117		259,037	773,388	
% SHARE	7.51	3.54	7.69	15.43	10.77	17.02	4.54	0.00	33.49		
1988-89	153,389	43,148	98,994	194,444	139,497	300,785	52,268		398,287	1,380,812	
% SHARE	11.11	3.12	7.17	14.08	10.10	21.78	3.79	0.00	28.84		
GROWTH	95,292	15,791	39,487	75,141	56,176	169,136	17,151		139,250	607,424	
% SHARE	164.02	57.72	66.36	62.98	67.42	128.47	48.84	0.00	53.76		
<b>ANAND</b>											
1984-85	5,178	394	1,317	2,539	1,565	5,092	606	962	1,957	19,610	
% SHARE	26.40	2.01	6.72	12.95	7.98	25.97	3.09	4.91	9.98		
1988-89	7,090	1,272	1,822	460	2,114	11,139	1,084	1,261	1,741	27,983	
% SHARE	25.34	4.55	6.51	1.64	7.55	39.81	3.87	4.51	6.22		
GROWTH	1,912	878	505	2,079	549	6,047	478	299	216	8,373	
% SHARE	36.93	222.84	38.34	-81.88	35.08	118.75	78.88	31.08	-11.04		
<b>BORSAD</b>											
1984-85	720	196	409	938	598		472	2,176	362	5,871	
% SHARE	12.26	3.34	6.97	15.98	10.19	0.00	8.04	37.06	6.17		
1988-89	2,291	298	250	785	717		258		40	4,639	
% SHARE	49.39	6.42	5.39	16.92	15.46	0.00	5.56	0.00	0.86		
GROWTH	1,571	102	159	153	119		214		322	1,232	
% SHARE	218.19	52.04	-38.88	-16.31	19.90	0.00	-45.34	0.00	-88.95		

CONTD...



	1	2	3	4	5	6	7	8	9	10	11
<b>DAHEBAM</b>											
1984-85											
% SHARE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89	399	180	1,352	63		295	135			105	2,529
% SHARE	15.78	7.12	53.46	2.49	0.00	11.66	5.34	0.00	0.00	4.15	
GROWTH											
% SHARE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>DHOLKA</b>											
1984-85	840	251	384	861	300	21	34			754	3,445
% SHARE	24.38	7.29	11.15	24.99	8.71	0.61	0.99	0.00	0.00	21.89	
1988-89	1,959	340	802	1,357	396		718			257	5,829
% SHARE	33.61	5.83	13.76	23.28	6.79	0.00	12.32	0.00	0.00	4.41	
GROWTH	1,119	89	418	496	96		684			497	2,384
% SHARE	133.21	35.46	108.85	57.61	32.00	0.00	2011.76	0.00	0.00	-65.92	
<b>KAPADWANJ</b>											
1984-85	617	222	643	1,075	685	2,891	146			692	6,971
% SHARE	8.85	3.18	9.22	15.42	9.83	41.47	2.09	0.00	0.00	9.93	
1988-89	2,260	373	1,141	1,628	1,090	3,450	159			621	10,722
% SHARE	21.08	3.48	10.64	15.18	10.17	32.18	1.48	0.00	0.00	5.79	
GROWTH	1,643	151	498	553	405	559	13			71	3,751
% SHARE	266.29	68.02	77.45	51.44	59.12	19.34	8.90	0.00	0.00	-10.26	
<b>KHAMBHAT</b>											
1984-85	3,152	486	1,042	3,139		401	668			206	9,094
% SHARE	34.66	5.34	11.46	34.52	0.00	4.41	7.35	0.00	0.00	2.27	
1988-89	2,757	862	1,292	4,428		553	1,290			1,639	12,821
% SHARE	21.50	6.72	10.08	34.54	0.00	4.31	10.06	0.00	0.00	12.78	
GROWTH	395	376	250	1,289		152	622			1,433	3,727
% SHARE	-12.53	77.37	23.99	41.06	0.00	37.91	93.11	0.00	0.00	695.63	
<b>NADIAD</b>											
1984-85	3,640	967	2,612	6,023	1,045	6,356	1,510			2,168	24,321
% SHARE	14.97	3.98	10.74	24.76	4.30	26.13	6.21	0.00	0.00	8.91	
1988-89	4,155	1,511	3,688	7,923	1,184	12,528	1,842	349		3,814	36,994
% SHARE	11.23	4.08	9.97	21.42	3.20	33.86	4.98	0.94	0.00	10.31	
GROWTH	515	544	1,076	1,900	139	6,172	332			1,646	12,673
% SHARE	14.15	56.26	41.19	31.55	13.30	97.11	21.99	0.00	0.00	75.92	

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>PETLAD</b>											
1984-85		812	286	658	909	243	740	1,254		699	5,601
% SHARE		14.50	5.11	11.75	16.23	4.34	13.21	22.39	0.00	12.48	
1988-89		948	404	990	1,422	337	131	936		639	5,807
% SHARE		16.33	6.96	17.05	24.49	5.80	2.26	16.12	0.00	11.00	
GROWTH		136	118	332	513	94	609	318		60	206
% SHARE		16.75	41.26	50.46	56.44	38.68	-82.30	-25.36	0.00	-8.58	
<b>UMRETH</b>											
1984-85		543	104	158	509		13	48		50	1,425
% SHARE		38.11	7.30	11.09	35.72	0.00	0.91	3.37	0.00	3.51	
1988-89		680	201	369	510	374	9	247		184	2,574
% SHARE		26.42	7.81	14.34	19.81	14.53	0.35	9.60	0.00	7.15	
GROWTH		137	97	211	1		4	199		134	1,149
% SHARE		25.23	93.27	133.54	0.20	0.00	-30.77	414.58	0.00	268.00	
<b>VIRANGAM</b>											
1984-85		1,104	221	826	1,608	646		485		700	5,590
% SHARE		19.75	3.95	14.78	28.77	11.56	0.00	8.68	0.00	12.52	
1988-89		2,084	326	1,458	1,328	869		117		628	6,810
% SHARE		30.60	4.79	21.41	19.50	12.76	0.00	1.72	0.00	9.22	
GROWTH		980	105	632	280	223		368		72	1,220
% SHARE		88.77	47.51	76.51	-17.41	34.52	0.00	-75.88	0.00	-10.29	
<b>TOTAL</b>											
1984-85		74,703	30,484	67,556	136,904	88,403	147,163	40,340	3,138	266,625	855,316
% SHARE		8.73	3.56	7.90	16.01	10.34	17.21	4.72	0.37	31.17	
1988-89		178,012	48,915	112,158	214,348	146,578	328,890	59,054	1,610	407,955	1,497,520
% SHARE		11.89	3.27	7.49	14.31	9.79	21.96	3.94	0.11	27.24	
GROWTH		103,309	18,431	44,602	77,444	58,175	181,727	18,714	1,528	141,330	642,204
% SHARE		138.29	60.46	66.02	56.57	65.81	123.49	46.39	-48.69	53.01	
<b>NORTH</b>											
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<b>DEESA</b>											
1984-85		997	741	1,024	1,519	146	436	2,906	12	1,007	8,788
% SHARE		11.35	8.43	11.65	17.28	1.66	4.96	33.07	0.14	11.46	
1988-89		1,715	456	861	2,796	180	838	781	12,744	1,428	21,799
% SHARE		7.87	2.09	3.95	12.83	0.83	3.84	3.58	58.46	6.55	
GROWTH		718	285	163	1,277	34	402	2,125	12,732	421	13,011
% SHARE		72.02	-38.46	-15.92	84.07	23.29	92.20	-73.12	106100.00	41.81	

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>KADI</b>											
1984-85		705	176	37	871	370	23	74		71	2,327
% SHARE		30.30	7.56	1.59	37.43	15.90	0.99	3.18	0.00	3.05	
1988-89		1,115	326	693	1,382	537	54	85		306	4,498
% SHARE		24.79	7.25	15.41	30.72	11.94	1.20	1.89	0.00	6.80	
GROWTH		410	150	656	511	167	31	11		235	2,171
% SHARE		58.16	85.23	1772.97	58.67	45.14	134.78	14.86	0.00	330.99	
<b>KALOL</b>											
1984-85		2,530	285	1,388	2,540	1,050	2,624	443	313	127	11,300
% SHARE		22.39	2.52	12.28	22.48	9.29	23.22	3.92	2.77	1.12	
1988-89		3,208	549	1,625	3,338	1,297	1,201	519		445	12,182
% SHARE		26.33	4.51	13.34	27.40	10.65	9.86	4.26	0.00	3.65	
GROWTH		678	264	237	798	247	1,423	76		318	882
% SHARE		26.80	92.63	17.07	31.42	23.52	-54.23	17.16	0.00	250.39	
<b>MEHESANA</b>											
1984-85		1,550	284	1,815	1,813	173		363	612	209	6,819
% SHARE		22.73	4.16	26.62	26.59	2.54	0.00	5.32	8.97	3.06	
1988-89		4,814	348	2,535	2,419	297		471	1,280	1,225	13,389
% SHARE		35.95	2.60	18.93	18.07	2.22	0.00	3.52	9.56	9.15	
GROWTH		3,264	64	720	606	124		108	668	1,016	6,570
% SHARE		210.58	22.54	39.67	33.43	71.68	0.00	29.75	109.15	486.12	
<b>PALANPUR</b>											
1984-85		2,334	340	794	1,705		569	740	393	714	7,589
% SHARE		30.76	4.48	10.46	22.47	0.00	7.50	9.75	5.18	9.41	
1988-89		3,103	586	2,587	3,723	1	560	506	23,262	942	35,270
% SHARE		8.80	1.66	7.33	10.56	0.00	1.59	1.43	65.95	2.67	
GROWTH		769	246	1,793	2,018		9	234	22,869	228	27,681
% SHARE		32.95	72.35	225.82	118.36	0.00	-1.58	-31.62	5819.08	31.93	
<b>PATAN</b>											
1984-85		1,707	1,073	1,478	2,377	27	2,911	494	7,238	736	18,041
% SHARE		9.46	5.95	8.19	13.18	0.15	16.14	2.74	40.12	4.08	
1988-89		2,628	971	3,119	3,545	117	5,362	2,485	8,951	621	27,799
% SHARE		9.45	3.49	11.22	12.75	0.42	19.29	8.94	32.20	2.23	
GROWTH		921	102	1,641	1,168	90	2,451	1,991	1,713	115	9,758
% SHARE		53.95	-9.51	111.03	49.14	333.33	84.20	403.04	23.67	-15.63	

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>SIDHPUR</b>											
1984-85		884	213	500	1,486	854	2,261	151	116	362	6,827
% SHARE		12.95	3.12	7.32	21.77	12.51	33.12	2.21	1.70	5.30	
1988-89		1,344	341	1,393	2,380	1,249	4,275	123	8,168	191	19,464
% SHARE		6.91	1.75	7.16	12.23	6.42	21.96	0.63	41.96	0.98	
GROWTH		460	128	893	894	395	2,014	28	8,052	171	12,637
% SHARE		52.04	60.09	178.60	60.16	46.25	89.08	-18.54	6941.38	-47.24	
<b>UNJHA</b>											
1984-85		851	161	1,284	848	14	1,734	179		324	5,395
% SHARE		15.77	2.98	23.80	15.72	0.26	32.14	3.32	0.00	6.01	
1988-89		954	443	2,292	1,229		3,797	267		3,704	12,686
% SHARE		7.52	3.49	18.07	9.69	0.00	29.93	2.10	0.00	29.20	
GROWTH		103	282	1,008	381		2,063	88		3,380	7,291
% SHARE		12.10	175.16	78.50	44.93	0.00	118.97	49.16	0.00	1043.21	
<b>VISNAGAR</b>											
1984-85		623	219	1,178	1,048			221	5,773	374	9,436
% SHARE		6.60	2.32	12.48	11.11	0.00	0.00	2.34	61.18	3.96	
1988-89		855	297	2,020	1,537			179	8,768	217	13,873
% SHARE		6.16	2.14	14.56	11.08	0.00	0.00	1.29	63.20	1.56	
GROWTH		232	78	842	489			42	2,995	157	4,437
% SHARE		37.24	35.62	71.48	46.66	0.00	0.00	-19.00	51.88	-41.98	
<b>TOTAL</b>											
1984-85		12,181	3,492	9,498	14,207	2,634	10,558	5,571	14,457	3,924	76,522
% SHARE		15.92	4.56	12.41	18.57	3.44	13.80	7.28	18.89	5.13	
1988-89		19,736	4,317	17,125	22,349	3,678	16,087	5,416	63,173	9,079	160,960
% SHARE		12.26	2.68	10.64	13.88	2.29	9.99	3.36	39.25	5.64	
GROWTH		7,555	825	7,627	8,142	1,044	5,529	155	48,716	5,155	84,438
% SHARE		62.02	23.63	80.30	57.31	39.64	52.37	-2.78	336.97	131.37	
<b>SAURASHTRA</b>											
<b>AMRELI</b>											
1984-85		939	292	842	1,574	28	3,024	232		197	7,128
% SHARE		13.17	4.10	11.81	22.08	0.39	42.42	3.25	0.00	2.76	
1988-89		2,108	386	2,455	2,970	27	5,859	364		2,235	16,404
% SHARE		12.85	2.35	14.97	18.11	0.16	35.72	2.22	0.00	13.62	
GROWTH		1,169	94	1,613	1,396	1	2,835	132		2,038	9,276
% SHARE		124.49	32.19	191.57	88.69	-3.57	93.75	56.90	0.00	1034.52	

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>BAGASARA</b>											
1984-85											
% SHARE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89	710	231	435	1,278		109	152			249	3,164
% SHARE	22.44	7.30	13.75	40.39	0.00	3.45	4.80	0.00		7.87	
GROWTH											
% SHARE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>BHAVNAGAR</b>											
1984-85	5,897	2,266	6,876	9,461	2,435	10,434	3,543	5,136	3,969		50,017
% SHARE	11.79	4.53	13.75	18.92	4.87	20.86	7.08	10.27	7.94		
1988-89	7,419	4,254	16,785	20,804		22,273	6,511	10,853	1,864		90,763
% SHARE	8.17	4.69	18.49	22.92	0.00	24.54	7.17	11.96	2.05		
GROWTH	1,522	1,988	9,909	11,343		11,839	2,968	5,717	2,105		40,746
% SHARE	25.81	87.73	144.11	119.89	0.00	113.47	83.77	111.31	-53.04		
<b>BOTAD</b>											
1984-85	1,222	337	1,032	1,173		2,433	286	42	185		6,710
% SHARE	18.21	5.02	15.38	17.48	0.00	36.26	4.26	0.63	2.76		
1988-89	1,495	407	1,644	1,679	96	4,138	125	49	292		9,925
% SHARE	15.06	4.10	16.56	16.92	0.97	41.69	1.26	0.49	2.94		
GROWTH	273	70	612	506		1,705	161	7	107		3,215
% SHARE	22.34	20.77	59.30	43.14	0.00	70.08	-56.29	16.67	57.84		
<b>DHORAJI</b>											
1984-85	1,914	604	845	285		272	701		1,673		6,294
% SHARE	30.41	9.60	13.43	4.53	0.00	4.32	11.14	0.00	26.58		
1988-89	1,026	728	2,813	1,264		73	177		70		6,151
% SHARE	16.68	11.84	45.73	20.55	0.00	1.19	2.88	0.00	1.14		
GROWTH	888	124	1,968	979		199	524		1,603		143
% SHARE	-46.39	20.53	232.90	343.51	0.00	-73.16	-74.75	0.00	-95.82		
<b>DHRANGADHRA</b>											
1984-85	846	302	638	1,723	59	51	183	12	596		4,410
% SHARE	19.18	6.85	14.47	39.07	1.34	1.16	4.15	0.27	13.51		
1988-89	4,571	483	972	70	217	65	255		512		7,145
% SHARE	63.97	6.76	13.60	0.98	3.04	0.91	3.57	0.00	7.17		
GROWTH	3,725	181	334	1,653	158	14	72		84		2,735
% SHARE	440.31	59.93	52.35	-95.94	267.80	27.45	39.34	0.00	-14.09		

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>GONDAL</b>											
1984-85		2,009	368	728	2,222	66	3,333	842		442	10,010
% SHARE		20.07	3.68	7.27	22.20	0.66	33.30	8.41	0.00	4.42	
1988-89		3,044	789	996	2,822	89	5,951	1,165		805	15,661
% SHARE		19.44	5.04	6.36	18.02	0.57	38.00	7.44	0.00	5.14	
GROWTH		1,035	421	268	600	23	2,618	323		363	5,651
% SHARE		51.52	114.40	36.81	27.00	34.85	78.55	38.36	0.00	82.13	
<b>HIMMATNAGAR</b>											
1984-85											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89		1,782	578	1,548	1,098		26	1,196		231	6,459
% SHARE		27.59	8.95	23.97	17.00	0.00	0.40	18.52	0.00	3.58	
GROWTH											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>JAMNAGAR</b>											
1984-85		6,574	1,678	4,440	11,439	63	11,491	2,484	3,000	7,418	48,587
% SHARE		13.53	3.45	9.14	23.54	0.13	23.65	5.11	6.17	15.27	
1988-89		10,946	3,544	9,607	16,247		18,490	4,332	11,213	19,192	93,571
% SHARE		11.70	3.79	10.27	17.36	0.00	19.76	4.63	11.98	20.51	
GROWTH		4,372	1,866	5,167	4,808		6,999	1,848	8,213	11,774	44,984
% SHARE		66.50	111.20	116.37	42.03	0.00	60.91	74.40	273.77	158.72	
<b>JETPUR</b>											
1984-85		1,235	489	1,275	2,001	177	3,034	257		1,707	10,175
% SHARE		12.14	4.81	12.53	19.67	1.74	29.82	2.53	0.00	16.78	
1988-89		1,393	648	1,950	2,391	378	5,813	273		711	13,557
% SHARE		10.28	4.78	14.38	17.64	2.79	42.88	2.01	0.00	5.24	
GROWTH		158	159	675	390	201	2,779	16		996	3,382
% SHARE		12.79	32.52	52.94	19.49	113.56	91.60	6.23	0.00	-58.35	
<b>JUNAGADH</b>											
1984-85		2,661	779	3,397	4,892		262	786	1,570	2,320	16,667
% SHARE		15.97	4.67	20.38	29.35	0.00	1.57	4.72	9.42	13.92	
1988-89		3,923	1,447	3,827	6,256		426	847	1,958	3,232	21,916
% SHARE		17.90	6.60	17.46	28.55	0.00	1.94	3.86	8.93	14.75	
GROWTH		1,262	668	430	1,364		164	61	388	912	5,249
% SHARE		47.43	85.75	12.66	27.88	0.00	62.60	7.76	24.71	39.31	

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>KESOD</b>											
1984-85											
% SHARE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89	891	403	753	980	39	130	1	12	263	3,472	
% SHARE	25.66	11.61	21.69	28.23	1.12	3.74	0.03	0.35	7.57		
GROWTH											
% SHARE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>KHAMBHALIYA</b>											
1984-85											
% SHARE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89	1,073	323	704	1,739		149	74		30	4,092	
% SHARE	26.22	7.89	17.20	42.50	0.00	3.64	1.81	0.00	0.73		
GROWTH											
% SHARE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>LIMBADI</b>											
1984-85	715	223	468	1,416	86	1,752	145	196	611	5,612	
% SHARE	12.74	3.97	8.34	25.23	1.53	31.22	2.58	3.49	10.89		
1988-89	924	328	418	1,743	102	2,730	148	134	604	7,131	
% SHARE	12.96	4.60	5.86	24.44	1.43	38.28	2.08	1.88	8.47		
GROWTH	209	105	50	327	16	978	3	62	7	1,519	
% SHARE	29.23	47.09	-10.68	23.09	18.60	55.82	2.07	-31.63	-1.15		
<b>MAHLVA</b>											
1984-85	1,391	206	332	2,829	2,107	2,149	406		1,181	10,601	
% SHARE	13.12	1.94	3.13	26.69	19.88	20.27	3.83	0.00	11.14		
1988-89	2,030	229	410	2,267	3,781	4,196	1,273		1,941	16,127	
% SHARE	12.59	1.42	2.54	14.06	23.45	26.02	7.89	0.00	12.04		
GROWTH	639	23	78	562	1,674	2,047	867		760	5,526	
% SHARE	45.94	11.17	23.49	-19.87	79.45	95.25	213.55	0.00	64.35		
<b>MANGROL</b>											
1984-85	492	111	280	820	11	51	137		338	2,240	
% SHARE	21.96	4.96	12.50	36.61	0.49	2.28	6.12	0.00	15.09		
1988-89	964	142	244	1,124		58	43		141	2,716	
% SHARE	35.49	5.23	8.98	41.38	0.00	2.14	1.58	0.00	5.19		
GROWTH	472	31	36	304		7	94		197	476	
% SHARE	95.93	27.93	-12.86	37.07	0.00	13.73	-68.61	0.00	-58.28		

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>MCDASA</b>											
1984-85 % SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89 % SHARE		896 27.54	311 9.56	711 21.85	654 20.10		2 0.06			680 20.90	3,254
GROWTH % SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>MORVI</b>											
1984-85 % SHARE		1,445 17.32	720 8.63	1,677 20.11	2,248 26.95	29 0.35	334 4.00	431 5.17		1,457 17.47	8,341
1988-89 % SHARE		2,391 14.53	986 5.99	2,079 12.64	4,166 25.33	30 0.18	569 3.46	813 4.94		5,416 32.92	16,450
GROWTH % SHARE		946 65.47	266 36.94	402 23.97	1,918 85.32	1 3.45	235 70.36	382 88.63		3,959 271.72	8,109
<b>PALITANA</b>											
1984-85 % SHARE		1,534 23.05	157 2.36	626 9.41	1,149 17.26	54 0.81	2,160 32.45	445 6.69		531 7.98	6,656
1988-89 % SHARE		2,246 19.21	350 2.99	1,332 11.39	1,747 14.94	90 0.77	3,661 31.32	2,092 17.90		172 1.47	11,690
GROWTH % SHARE		712 46.41	193 122.93	706 112.78	598 52.05	36 66.67	1,501 69.49	1,647 370.11		359 -67.61	5,034
<b>PORBANDAR</b>											
1984-85 % SHARE		3,142 20.75	928 6.13	1,182 7.80	4,239 27.99		1,540 10.17	632 4.17	2,507 16.55	975 6.44	15,145
1988-89 % SHARE		5,748 23.28	1,704 6.90	1,313 5.32	6,869 27.82		3,064 12.41	1,586 6.42	3,445 13.95	965 3.91	24,694
GROWTH % SHARE		2,606 82.94	776 83.62	131 11.08	2,630 62.04		1,524 98.96	954 150.95	938 37.42	10 -1.03	9,549
<b>RAJKOT</b>											
1984-85 % SHARE		20,577 29.44	4,211 6.03	8,173 11.69	16,645 23.82	922 1.32	3,845 5.50	8,266 11.83		7,250 10.37	69,889
1988-89 % SHARE		29,177 18.51	7,669 4.86	12,818 8.13	32,863 20.85	2,163 1.37	40,141 25.46	24,006 15.23		8,801 5.58	157,638
GROWTH % SHARE		8,600 41.79	3,458 82.12	4,645 56.83	16,218 97.43	1,241 134.60	36,296 943.98	15,740 190.42		1,551 21.39	87,749

CONTD...



	1	2	3	4	5	6	7	8	9	10	11
<b>SAVARKUNDLA</b>											
1984-85		1,588	172	660	1,419	43	2,753	418		361	7,414
% SHARE		21.42	2.32	8.90	19.14	0.58	37.13	5.64	0.00	4.87	
1988-89		2,641	355	1,896	2,612	51	10,065	265		821	18,706
% SHARE		14.12	1.90	10.14	13.96	0.27	53.81	1.42	0.00	4.39	
GROWTH		1,053	183	1,236	1,193	8	7,312	153		460	11,292
% SHARE		66.31	106.40	187.27	84.07	18.60	265.60	-36.60	0.00	127.42	
<b>SURENDRANAGAR</b>											
1984-85		2,419	956	1,811	2,866	376	4,391	3,312		547	16,678
% SHARE		14.50	5.73	10.86	17.18	2.25	26.33	19.86	0.00	3.28	
1988-89		2,813	574	1,734	3,838	202	7,838	2,280		1,111	20,390
% SHARE		13.80	2.82	8.50	18.82	0.99	38.44	11.18	0.00	5.45	
GROWTH		394	382	77	972	174	3,447	1,032		564	3,712
% SHARE		16.29	-39.96	-4.25	33.91	-46.28	78.50	-31.16	0.00	103.11	
<b>UNA</b>											
1984-85											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89		479						93		114	686
% SHARE		69.83	0.00	0.00	0.00	0.00	0.00	13.56	0.00	16.62	
GROWTH											
% SHARE		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>UPLETA</b>											
1984-85		1,286	388	434	1,744	137	1,865	998	681	914	8,447
% SHARE		15.22	4.59	5.14	20.65	1.62	22.08	11.81	8.06	10.82	
1988-89		1,591	365	762	2,003		1,859	324		1,253	8,157
% SHARE		19.50	4.47	9.34	24.56	0.00	22.79	3.97	0.00	15.36	
GROWTH		305	23	328	259		6	674		339	290
% SHARE		23.72	-5.93	75.58	14.85	0.00	-0.32	-67.54	0.00	37.09	
<b>VERAVALPATAN</b>											
1984-85		1,572	455	1,019	2,675	989	621	220	890	1,344	9,785
% SHARE		16.07	4.65	10.41	27.34	10.11	6.35	2.25	9.10	13.74	
1988-89		2,367	884	3,107	4,308	1,428	679	1,031	1,152	803	15,759
% SHARE		15.02	5.61	19.72	27.34	9.06	4.31	6.54	7.31	5.10	
GROWTH		795	429	2,088	1,633	439	58	811	262	541	5,974
% SHARE		50.57	94.29	204.91	61.05	44.39	9.34	368.64	29.44	-40.25	

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>WADHWAN</b>											
1984-85		634	226	122	860			1,737		1,351	4,930
% SHARE		12.86	4.58	2.47	17.44	0.00	0.00	35.23	0.00	27.40	
1988-89		767	576	693	1,162	12		787		1,971	5,968
% SHARE		12.85	9.65	11.61	19.47	0.20	0.00	13.19	0.00	33.03	
GROWTH		133	350	571	302			950		620	1,038
% SHARE		20.98	154.87	468.03	35.12	0.00	0.00	-54.69	0.00	45.89	
<b>WANKANER</b>											
1984-85		967	230	299	784	7	6	136		107	2,536
% SHARE		38.13	9.07	11.79	30.91	0.28	0.24	5.36	0.00	4.22	
1988-89		1,354	199	432	1,332	8		266		660	4,251
% SHARE		31.85	4.68	10.16	31.33	0.19	0.00	6.26	0.00	15.53	
GROWTH		387	31	133	548	1		130		553	1,715
% SHARE		40.02	-13.48	44.48	69.90	14.29	0.00	95.59	0.00	516.82	
<b>TOTAL</b>											
1984-85		61,059	16,098	37,156	74,464	7,589	55,801	26,597	14,034	35,474	328,272
% SHARE		18.60	4.90	11.32	22.68	2.31	17.00	8.10	4.28	10.81	
1988-89		96,769	28,893	72,438	126,286	8,713	138,364	50,479	28,816	55,139	605,897
% SHARE		15.97	4.77	11.96	20.84	1.44	22.84	8.33	4.76	9.10	
GROWTH		35,710	12,795	35,282	51,822	1,124	82,563	23,882	14,782	19,665	277,625
% SHARE		58.48	79.48	94.96	69.59	14.81	147.96	89.79	105.33	55.43	
<b>KUCHCHH</b>											
<b>ANJAR</b>											
1984-85		828	106	707	810	80	1,856	239	22	604	5,252
% SHARE		15.77	2.02	13.46	15.42	1.52	35.34	4.55	0.42	11.50	
1988-89		1,424	363	1,562	1,506	151	4,335	498		936	10,775
% SHARE		13.22	3.37	14.50	13.98	1.40	40.23	4.62	0.00	8.69	
GROWTH		596	257	855	696	71	2,479	259		332	5,523
% SHARE		71.98	242.45	120.93	85.93	88.75	133.57	108.37	0.00	54.97	
<b>BHUJ</b>											
1984-85		990	482	1,813	2,945		32	223		1,335	7,820
% SHARE		12.66	6.16	23.18	37.66	0.00	0.41	2.85	0.00	17.07	
1988-89		1,833	811	3,317	4,753			665		2,994	14,373
% SHARE		12.75	5.64	23.08	33.07	0.00	0.00	4.63	0.00	20.83	
GROWTH		843	329	1,504	1,808			442		1,659	6,553
% SHARE		85.15	68.26	82.96	61.39	0.00	0.00	198.21	0.00	124.27	

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>GANDHIDHAM</b>											
1984-85		1,886	340	794	1,705		569	92		400	5,786
% SHARE		32.60	5.88	13.72	29.47	0.00	9.83	1.59	0.00	6.91	
1988-89		3,624	711	2,294	2,962	61		1,417		706	11,775
% SHARE		30.78	6.04	19.48	25.15	0.52	0.00	12.03	0.00	6.00	
GROWTH		1,738	371	1,500	1,257			1,325		306	5,989
% SHARE		92.15	109.12	188.92	73.72	0.00	0.00	1440.22	0.00	76.50	
<b>MANDVI</b>											
1984-85		604	159	306	656		76	101		842	2,744
% SHARE		22.01	5.79	11.15	23.91	0.00	2.77	3.68	0.00	30.69	
1988-89		1,340	294	860	1,309			286		506	4,595
% SHARE		29.16	6.40	18.72	28.49	0.00	0.00	6.22	0.00	11.01	
GROWTH		736	135	554	653			185		336	1,851
% SHARE		121.85	84.91	181.05	99.54	0.00	0.00	183.17	0.00	-39.90	
<b>TOTAL</b>											
1984-85		4,308	1,087	3,620	6,116	80	2,533	655	22	3,181	21,602
% SHARE		19.94	5.03	16.76	28.31	0.37	11.73	3.03	0.10	14.73	
1988-89		8,221	2,179	8,033	10,530	212	4,335	2,866		5,142	41,518
% SHARE		19.80	5.25	19.35	25.36	0.51	10.44	6.90	0.00	12.38	
GROWTH		3,913	1,092	4,413	4,414	132	1,802	2,211		1,961	19,916
% SHARE		90.83	100.46	121.91	72.17	165.00	71.14	337.56	0.00	61.65	
<b>GJJARAT</b>											
1984-85		253,312	71,627	170,234	316,305	108,717	319,246	113,538	55,883	421,587	1,830,449
% SHARE		13.84	3.91	9.30	17.28	5.94	17.44	6.20	3.05	23.03	
1988-89		486,585	127,611	315,123	516,319	198,718	713,835	188,109	119,941	617,847	3,284,088
% SHARE		14.82	3.89	9.60	15.72	6.05	21.74	5.73	3.65	18.81	
GROWTH		233,273	55,984	144,889	200,014	90,001	394,589	74,571	64,058	196,260	1,453,639
% SHARE		92.09	78.16	85.11	63.23	82.78	123.60	65.68	114.63	46.55	

SOURCE: NIUA SURVEY, 1991

ANNEX C:8

COMPONENT WISE PER CAPITA REVENUE EXPENDITURE ON SERVICES OF MUNICIPAL BODIES  
ACCORDING TO SIZE CLASS OF CITIES, 1984-85 AND 1988-89  
(AT CURRENT PRICES)

MUNICIPAL BODY/ SIZE CLASS	PER CAPITA EXPENDITURE (RS.)									
	GENERAL ADMINIS- TRATION	PUBLIC SAFETY	WATER SUPPLY	PUBLIC HEALTH/ SANITA- TION	MEDICAL SERVICES/ RELIEF	EDUCATION	PUBLIC BUILDING/ WORKS	COMMER- CIAL ACTIVI- TIES	OTHERS	TOTAL
1	2	3	4	5	6	7	8	9	10	11
CLASS AA										
-----										
AHMEDABAD										
1984-85	25.40	11.96	26.02	52.17	36.43	57.56	15.36	0.00	113.27	338.17
1988-89	60.41	16.99	38.98	76.57	54.94	118.45	20.58	0.00	156.85	543.78
BHAVNAGAR										
1984-85	16.96	6.52	19.78	27.22	7.01	30.02	10.19	14.78	11.42	143.89
1988-89	18.86	10.81	42.66	52.88	0.00	56.61	16.55	27.59	4.74	230.70
JAMNAGAR										
1984-85	20.73	5.29	14.00	36.06	0.20	36.23	7.83	9.46	23.39	153.18
1988-89	30.24	9.79	26.54	44.88	0.00	51.08	11.97	30.97	53.01	258.47
RAJKOT										
1984-85	39.52	8.09	15.70	31.97	1.77	7.38	15.87	0.00	13.92	134.22
1988-89	47.89	12.59	21.04	53.94	3.55	65.89	39.40	0.00	14.45	258.75
SURAT										
1984-85	16.05	7.09	19.00	49.88	0.00	42.67	25.25	0.00	59.12	219.05
1988-89	33.21	17.41	36.09	75.91	18.02	84.54	44.15	0.00	76.88	386.21
VADODARA										
1984-85	81.37	9.22	27.10	23.25	7.77	46.57	8.64	27.52	45.97	277.41
1988-89	114.53	13.38	41.30	25.71	13.51	74.39	9.08	24.90	39.16	355.97
-----										
TOTAL										
1984-85	33.58	9.50	22.80	42.37	17.65	45.06	15.27	6.11	70.59	262.93
1988-89	58.90	15.19	36.55	62.02	28.90	91.23	24.16	7.91	91.30	416.15
-----										
CLASS A										
-----										
BHARUCH										
1984-85	19.38	10.04	22.80	38.12	2.13	50.96	14.70	0.00	6.39	164.53
1988-89	30.56	11.18	42.28	60.88	3.61	85.02	6.56	0.00	14.56	254.66
JUNAGADH										
1984-85	20.56	6.02	26.25	37.80	0.00	2.02	6.07	12.13	17.93	128.79
1988-89	27.79	10.25	27.11	44.32	0.00	3.02	6.00	13.87	22.90	155.26

CONTD....

	1	2	3	4	5	6	7	8	9	10	11
<b>NADIAD</b>											
1984-85		22.85	6.07	16.40	37.81	6.56	39.90	9.48	0.00	13.61	152.66
1988-89		23.36	8.49	20.73	44.54	6.66	70.42	10.35	1.96	21.44	207.96
<b>NAVSARI</b>											
1984-85		11.74	9.75	22.28	19.28	1.01	36.44	30.56	0.00	9.57	140.63
1988-89		16.49	11.97	2.31	26.18	0.50	67.09	20.27	0.00	13.40	158.19
<b>PORBANDAR</b>											
1984-85		25.45	7.52	9.58	34.34	0.00	12.48	5.12	20.31	7.90	122.70
1988-89		43.45	12.88	9.93	51.93	0.00	23.16	11.99	26.04	7.30	186.68
<b>VERAVALPATAN</b>											
1984-85		13.07	3.78	8.47	22.24	8.22	5.16	1.83	7.40	11.17	81.35
1988-89		17.23	6.43	22.61	31.35	10.39	4.94	7.50	8.38	5.84	114.70
<b>TOTAL</b>											
1984-85		19.05	7.13	17.65	31.92	3.11	24.96	11.21	6.41	11.29	132.73
1988-89		26.11	10.11	20.51	42.87	3.65	43.26	10.54	8.02	14.65	179.71
<b>CLASS B</b>											
<b>AMRELI</b>											
1984-85		14.37	4.47	12.89	24.09	0.43	46.28	3.55	0.00	3.01	109.09
1988-89		27.94	5.12	32.54	39.37	0.36	77.67	4.83	0.00	29.63	217.45
<b>ANAND</b>											
1984-85		53.63	4.08	13.64	26.30	16.21	52.74	6.28	9.96	20.27	203.12
1988-89		63.85	11.45	16.41	4.14	19.04	100.31	9.76	11.36	15.68	251.99
<b>BHUJ</b>											
1984-85		12.65	6.16	23.17	37.64	0.00	0.41	2.85	0.00	17.06	99.94
1988-89		20.86	9.23	37.76	54.10	0.00	0.00	7.57	0.00	34.08	163.60
<b>BOTAD</b>											
1984-85		20.33	5.61	17.17	19.52	0.00	40.49	4.76	0.70	3.08	111.65
1988-89		20.81	5.67	22.88	23.37	1.34	57.60	1.74	0.68	4.06	138.16
<b>DAHOD</b>											
1984-85		18.24	9.15	9.41	33.54	0.00	0.00	12.66	0.00	9.68	92.68
1988-89		49.87	13.84	19.56	39.16	0.00	0.00	4.03	0.00	9.99	136.44
<b>DHORAJI</b>											
1984-85		22.65	7.15	10.00	3.37	0.00	3.22	8.29	0.00	19.79	74.47
1988-89		10.99	7.80	30.14	13.55	0.00	0.78	1.90	0.00	0.75	65.92
<b>DHRANGADHRA</b>											
1984-85		15.05	5.37	11.35	30.66	1.05	0.91	3.26	0.21	10.61	78.48
1988-89		74.23	7.84	15.78	1.14	3.52	1.06	4.14	0.00	8.31	116.03

CONTD....

	1	2	3	4	5	6	7	8	9	10	11
<b>GANDHIDHAM</b>											
1984-85		25.56	4.61	10.76	23.11	0.00	7.71	1.25	0.00	5.42	78.42
1988-89		40.89	8.02	25.88	33.42	0.69	0.00	15.99	0.00	7.97	132.85
<b>GODHRA</b>											
1984-85		29.96	8.14	8.58	16.93	2.77	43.93	2.29	0.00	19.57	132.17
1988-89		21.49	9.98	9.23	26.30	2.71	90.72	2.15	0.50	11.75	174.83
<b>GONDAL</b>											
1984-85		28.23	5.17	10.23	31.22	0.93	46.83	11.83	0.00	6.21	140.64
1988-89		39.72	10.29	13.00	36.82	1.16	77.64	15.20	0.00	10.50	204.33
<b>JETPUR</b>											
1984-85		16.73	6.62	17.27	27.10	2.40	41.10	3.48	0.00	23.12	137.83
1988-89		16.05	7.47	22.47	27.55	4.36	66.99	3.15	0.00	8.19	156.22
<b>KALOL</b>											
1984-85		31.71	3.57	17.40	31.83	13.16	32.89	5.55	3.92	1.59	141.62
1988-89		35.24	6.03	17.85	36.67	14.25	13.19	5.70	0.00	4.89	133.83
<b>KHAMBHAT</b>											
1984-85		43.98	6.78	14.54	43.80	0.00	5.60	9.32	0.00	2.87	126.89
1988-89		36.93	11.55	17.30	59.31	0.00	7.41	17.28	0.00	21.95	171.72
<b>MAHLVA</b>											
1984-85		22.95	3.40	5.48	46.68	34.77	35.46	6.70	0.00	19.49	174.93
1988-89		29.64	3.34	5.99	33.10	55.21	61.27	18.59	0.00	28.34	235.48
<b>MEHESANA</b>											
1984-85		18.53	3.39	21.69	21.67	2.07	0.00	4.34	7.32	2.50	81.51
1988-89		50.12	3.62	26.39	25.18	3.09	0.00	4.90	13.33	12.75	139.39
<b>MORVI</b>											
1984-85		18.30	9.12	21.24	28.48	0.37	4.23	5.46	0.00	18.46	105.66
1988-89		28.13	11.60	24.46	49.02	0.35	6.70	9.57	0.00	63.73	193.56
<b>PALANPUR</b>											
1984-85		32.79	4.78	11.16	23.96	0.00	7.99	10.40	5.52	10.03	106.63
1988-89		37.53	7.09	31.29	45.03	0.01	6.77	6.12	281.35	11.39	426.58
<b>PATAN</b>											
1984-85		19.86	12.48	17.19	27.65	0.31	33.86	5.75	84.20	8.56	209.87
1988-89		28.17	10.41	33.43	37.99	1.25	57.47	26.63	95.93	6.66	297.93
<b>SIDHPUR</b>											
1984-85		15.41	3.71	8.71	25.90	14.88	39.40	2.63	2.02	6.31	118.97
1988-89		21.21	5.38	21.98	37.55	19.71	67.45	1.94	128.87	3.01	307.10

CONTD....

	1	2	3	4	5	6	7	8	9	10	11
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SURENDRANAGAR											
1984-85		23.98	9.48	17.95	28.41	3.73	43.53	32.83	0.00	5.42	165.33
1988-89		24.77	5.05	15.27	33.80	1.78	69.03	20.08	0.00	9.78	179.57
-----											
UPLETA											
1984-85		19.63	5.92	6.63	26.63	2.09	28.47	15.24	10.40	13.95	128.96
1988-89		20.36	4.67	9.75	25.63	0.00	23.79	4.15	0.00	16.04	104.39
-----											
VALSAD											
1984-85		39.69	6.81	27.76	25.93	19.39	4.74	21.68	0.00	12.31	158.32
1988-89		38.54	12.26	35.16	44.43	22.77	5.75	14.69	0.00	25.79	199.40
-----											
TOTAL											
1984-85		25.29	6.31	14.47	27.05	4.94	24.42	8.40	6.36	11.12	128.36
1988-89		33.18	8.06	21.98	32.53	6.38	37.81	9.29	23.45	15.48	188.16
-----											
CLASS C											
-----											
ANJAR											
1984-85		22.66	2.90	19.35	22.17	2.19	50.79	6.54	0.60	16.53	143.72
1988-89		35.85	9.14	39.33	37.92	3.80	109.14	12.54	0.00	23.57	271.29
-----											
ANKLESVAR											
1984-85		24.56	11.58	2.29	22.46	14.20	62.80	9.36	0.00	20.84	168.09
1988-89		35.55	20.50	93.44	33.39	18.92	107.34	22.61	0.00	2.56	334.31
-----											
BAGASARA											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		26.46	8.61	16.21	47.63	0.00	4.06	5.67	0.00	9.28	117.93
-----											
BARDOLI											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		19.80	6.93	13.23	13.21	0.00	0.92	11.05	0.00	0.00	65.14
-----											
BILIMORA											
1984-85		11.90	6.94	11.64	32.18	14.49	3.82	4.59	0.00	123.12	208.67
1988-89		23.20	9.34	13.84	16.70	16.37	64.21	6.60	0.00	6.18	156.44
-----											
BORSAD											
1984-85		16.98	4.62	9.64	22.12	14.10	0.00	11.13	51.31	8.54	138.43
1988-89		49.27	6.41	5.38	16.88	15.42	0.00	5.55	0.00	0.86	99.77
-----											
DABHOI											
1984-85		25.91	3.64	10.84	24.72	0.00	46.51	6.65	0.00	59.61	177.88
1988-89		43.25	6.70	24.03	34.36	0.00	61.85	5.62	0.00	24.41	200.22
-----											
DAHEBAM											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		12.26	5.53	41.55	1.94	0.00	9.07	4.15	0.00	3.23	77.72
-----											

CONTD....

	1	2	3	4	5	6	7	8	9	10	11
<b>DEESA</b>											
1984-85		20.46	15.21	21.02	31.17	3.00	8.95	59.64	0.25	20.67	180.36
1988-89		30.14	8.01	15.13	49.14	3.16	14.73	13.73	223.99	25.10	383.14
<b>DHOLKA</b>											
1984-85		17.37	5.19	7.94	17.81	6.21	0.43	0.70	0.00	15.60	71.26
1988-89		37.10	6.44	15.19	25.70	7.50	0.00	13.60	0.00	4.87	110.40
<b>HIMMATNAGAR</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		29.43	9.54	25.56	18.13	0.00	0.43	19.75	0.00	3.81	106.66
<b>JAMBUSAR</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		12.22	3.86	17.54	22.11	3.76	8.46	12.28	0.00	6.25	86.47
<b>KADI</b>											
1984-85		18.70	4.67	0.98	23.10	9.81	0.61	1.96	0.00	1.88	61.72
1988-89		27.14	7.93	16.87	33.63	13.07	1.31	2.07	0.00	7.45	109.47
<b>KAPADWANJ</b>											
1984-85		16.62	5.98	17.32	28.96	18.45	77.88	3.93	0.00	18.64	187.78
1988-89		57.69	9.52	29.12	41.55	27.82	88.06	4.06	0.00	15.85	273.68
<b>KESOD</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		18.78	8.50	15.87	20.66	0.82	2.74	0.02	0.25	5.54	73.19
<b>KHAMBHALIYA</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		32.59	9.81	21.38	52.81	0.00	4.52	2.25	0.00	0.91	124.27
<b>LIMBADI</b>											
1984-85		21.39	6.67	14.00	42.36	2.57	52.41	4.34	5.86	18.28	167.87
1988-89		25.57	9.08	11.57	48.23	2.82	75.55	4.10	3.71	16.71	197.34
<b>MANDVI</b>											
1984-85		17.77	4.68	9.00	19.30	0.00	2.24	2.97	0.00	24.77	80.71
1988-89		37.23	8.17	23.89	36.37	0.00	0.00	7.95	0.00	14.06	127.67
<b>MANGROL</b>											
1984-85		11.76	2.65	6.69	19.60	0.26	1.22	3.27	0.00	8.08	53.53
1988-89		20.37	3.00	5.16	23.75	0.00	1.23	0.91	0.00	2.98	57.38
<b>MODASA</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		21.13	7.33	16.76	15.42	0.00	0.05	0.00	0.00	16.03	76.72
<b>PADRA</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		32.64	6.90	18.40	25.57	0.00	105.92	6.09	0.00	0.78	196.29

CONTD....



	1	2	3	4	5	6	7	8	9	10	11
<b>PALITANA</b>											
1984-85		40.61	4.16	16.57	30.42	1.43	57.18	11.78	0.00	14.06	176.19
1988-89		54.22	8.45	32.15	42.17	2.17	88.37	50.50	0.00	4.15	282.18
<b>PETLAD</b>											
1984-85		16.11	5.68	13.06	18.04	4.82	14.68	24.88	0.00	13.87	111.14
1988-89		17.55	7.48	18.33	26.33	6.24	2.43	17.33	0.00	11.83	107.51
<b>RAJPIPLA</b>											
1984-85		41.19	15.19	26.13	30.78	0.23	54.53	2.24	0.00	14.35	184.64
1988-89		56.74	13.98	32.02	37.93	0.40	102.35	11.63	0.00	17.39	272.45
<b>SAVARKUNDLA</b>											
1984-85		28.65	3.10	11.91	25.60	0.78	49.68	7.54	0.00	6.51	133.78
1988-89		42.77	5.75	30.70	42.30	0.83	163.00	4.29	0.00	13.30	302.94
<b>UMRETH</b>											
1984-85		18.03	3.45	5.25	16.90	0.00	0.43	1.59	0.00	1.66	47.32
1988-89		21.22	6.27	11.51	15.91	11.67	0.28	7.71	0.00	5.74	80.32
<b>LNA</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		12.89	0.00	0.00	0.00	0.00	0.00	2.50	0.00	3.07	18.46
<b>UNJHA</b>											
1984-85		19.79	3.74	29.85	19.72	0.33	40.32	4.16	0.00	7.53	125.43
1988-89		19.45	9.03	46.74	25.06	0.00	77.43	5.44	0.00	75.53	258.69
<b>VIRANGAM</b>											
1984-85		21.99	4.40	16.46	32.04	12.87	0.00	9.66	0.00	13.95	111.37
1988-89		39.93	6.25	27.94	25.45	16.65	0.00	2.24	0.00	12.03	130.48
<b>VISNAGAR</b>											
1984-85		11.89	4.18	22.49	20.01	0.00	0.00	4.22	110.21	7.14	180.13
1988-89		14.53	5.05	34.33	26.12	0.00	0.00	3.04	149.00	3.69	235.75
<b>VYARA</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		27.86	4.20	14.64	13.74	0.00	0.00	41.98	0.00	11.19	113.61
<b>WADHWAN</b>											
1984-85		14.84	5.29	2.86	20.13	0.00	0.00	40.66	0.00	31.62	115.39
1988-89		16.32	12.25	14.74	24.72	0.26	0.00	16.74	0.00	41.93	126.97

CONTD....

	1	2	3	4	5	6	7	8	9	10	11
WANKANER											
1984-85		28.40	6.75	8.78	23.02	0.21	0.18	3.99	0.00	3.14	74.48
1988-89		37.60	5.53	12.00	36.99	0.22	0.00	7.39	0.00	18.33	118.06
TOTAL											
1984-85		15.01	4.24	9.40	17.77	3.62	16.48	7.92	6.35	15.93	96.70
1988-89		29.95	7.82	23.41	28.16	4.94	34.28	9.90	15.10	12.82	166.38
GUJARAT											
1984-85		28.16	7.96	18.93	35.17	12.09	35.50	12.62	6.21	46.87	203.52
1988-89		47.49	12.45	30.75	50.39	19.39	69.66	18.36	11.71	60.30	320.50

SOURCE: NIUA SURVEY, 1991

ANNEX C:9

COMPONENT WISE PER CAPITA REVENUE EXPENDITURE ON SERVICES OF MUNICIPAL BODIES  
ACCORDING TO REGIONS, 1984-85 AND 1988-89  
(AT CURRENT PRICES)

MUNICIPAL BODY/ REGION	PER CAPITA EXPENDITURE (RS.)									
	GENERAL ADMINIS- TRATION	PUBLIC SAFETY	WATER SUPPLY	PUBLIC HEALTH/ SANITA- TION	MEDICAL SERVICES/ RELIEF	EDUCATION	PUBLIC BUILDING/ WORKS	COMMER- CIAL ACTIVI- TIES	OTHERS	TOTAL
1	2	3	4	5	6	7	8	9	10	11
SOUTH										
-----										
ANKLESVAR										
1984-85	24.56	11.58	2.29	22.46	14.20	62.80	9.36	0.00	20.84	168.09
1988-89	35.55	20.50	93.44	33.39	18.92	107.34	22.61	0.00	2.56	334.31
BARDOLI										
1984-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89	19.80	6.93	13.23	13.21	0.00	0.92	11.05	0.00	0.00	65.14
BHARUCH										
1984-85	19.38	10.04	22.80	38.12	2.13	50.96	14.70	0.00	6.39	164.53
1988-89	30.56	11.18	42.28	60.88	3.61	85.02	6.56	0.00	14.56	254.66
BILIMORA										
1984-85	11.90	6.94	11.64	32.18	14.49	3.82	4.59	0.00	123.12	208.67
1988-89	23.20	9.34	13.84	16.70	16.37	64.21	6.60	0.00	6.18	156.44
DABHOI										
1984-85	25.91	3.64	10.84	24.72	0.00	46.51	6.65	0.00	59.61	177.88
1988-89	43.25	6.70	24.03	34.36	0.00	61.85	5.62	0.00	24.41	200.22
DAHOD										
1984-85	18.24	9.15	9.41	33.54	0.00	0.00	12.66	0.00	9.68	92.68
1988-89	49.87	13.84	19.56	39.16	0.00	0.00	4.03	0.00	9.99	136.44
GODHRA										
1984-85	29.96	8.14	8.58	16.93	2.77	43.93	2.29	0.00	19.57	132.17
1988-89	21.49	9.98	9.23	26.30	2.71	90.72	2.15	0.50	11.75	174.83
JAMBUSAR										
1984-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89	12.22	3.86	17.54	22.11	3.76	8.46	12.28	0.00	6.25	86.47
NAVSARI										
1984-85	11.74	9.75	22.28	19.28	1.01	36.44	30.56	0.00	9.57	140.63
1988-89	16.49	11.97	2.31	26.18	0.50	67.09	20.27	0.00	13.40	158.19

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>PADRA</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		32.64	6.90	18.40	25.57	0.00	105.92	6.09	0.00	0.78	196.29
<b>RAJPIPLA</b>											
1984-85		41.19	15.19	26.13	30.78	0.23	54.53	2.24	0.00	14.35	184.64
1988-89		56.74	13.98	32.02	37.93	0.40	102.35	11.63	0.00	17.39	272.45
<b>SURAT</b>											
1984-85		16.05	7.09	19.00	49.88	0.00	42.67	25.25	0.00	59.12	219.05
1988-89		33.21	17.41	36.09	75.91	18.02	84.54	44.15	0.00	76.88	386.21
<b>VADODARA</b>											
1984-85		81.37	9.22	27.10	23.25	7.77	46.57	8.64	27.52	45.97	277.41
1988-89		114.53	13.38	41.30	25.71	13.51	74.39	9.08	24.90	39.16	355.97
<b>VALSAD</b>											
1984-85		39.69	6.81	27.76	25.93	19.39	4.74	21.68	0.00	12.31	158.32
1988-89		38.54	12.26	35.16	44.43	22.77	5.75	14.69	0.00	25.79	199.40
<b>VYARA</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		27.86	4.20	14.64	13.74	0.00	0.00	41.98	0.00	11.19	113.61
<b>TOTAL</b>											
1984-85		39.22	7.94	20.34	32.84	3.88	40.04	15.67	9.40	43.61	212.94
1988-89		60.34	14.21	34.58	46.87	12.98	74.23	23.07	8.65	46.12	321.06
<b>CENTRAL</b>											
<b>AHMEDABAD</b>											
1984-85		25.40	11.96	26.02	52.17	36.43	57.56	15.36	0.00	113.27	338.17
1988-89		60.41	16.99	38.98	76.57	54.94	118.45	20.58	0.00	156.85	543.78
<b>ANAND</b>											
1984-85		53.63	4.08	13.64	26.30	16.21	52.74	6.28	9.96	20.27	203.12
1988-89		63.85	11.45	16.41	4.14	19.04	100.31	9.76	11.36	15.68	251.99
<b>BORSAD</b>											
1984-85		16.98	4.62	9.64	22.12	14.10	0.00	11.13	51.31	8.54	138.43
1988-89		49.27	6.41	5.38	16.88	15.42	0.00	5.55	0.00	0.86	99.77
<b>DAHEBAM</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		12.26	5.53	41.55	1.94	0.00	9.07	4.15	0.00	3.23	77.72
<b>DHOLKA</b>											
1984-85		17.37	5.19	7.94	17.81	6.21	0.43	0.70	0.00	15.60	71.26
1988-89		37.10	6.44	15.19	25.70	7.50	0.00	13.60	0.00	4.87	110.40

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>KAPADWANJ</b>											
1984-85		16.62	5.98	17.32	28.96	18.45	77.88	3.93	0.00	18.64	187.78
1988-89		57.69	9.52	29.12	41.55	27.82	88.06	4.06	0.00	15.85	273.68
<b>KHAMBHAT</b>											
1984-85		43.98	6.78	14.54	43.80	0.00	5.60	9.32	0.00	2.87	126.89
1988-89		36.93	11.55	17.30	59.31	0.00	7.41	17.28	0.00	21.95	171.72
<b>NADIAD</b>											
1984-85		22.85	6.07	16.40	37.81	6.56	39.90	9.48	0.00	13.61	152.66
1988-89		23.36	8.49	20.73	44.54	6.66	70.42	10.35	1.96	21.44	207.96
<b>PETLAD</b>											
1984-85		16.11	5.68	13.06	18.04	4.82	14.68	24.88	0.00	13.87	111.14
1988-89		17.55	7.48	18.33	26.33	6.24	2.43	17.33	0.00	11.83	107.51
<b>UMRETH</b>											
1984-85		18.03	3.45	5.25	16.90	0.00	0.43	1.59	0.00	1.66	47.32
1988-89		21.22	6.27	11.51	15.91	11.67	0.28	7.71	0.00	5.74	80.32
<b>VIRAMGAM</b>											
1984-85		21.99	4.40	16.46	32.04	12.87	0.00	9.66	0.00	13.95	111.37
1988-89		39.93	6.25	27.94	25.45	16.65	0.00	2.24	0.00	12.03	130.48
<b>TOTAL</b>											
1984-85		25.75	10.51	23.28	47.18	30.47	50.72	13.90	1.08	91.89	294.78
1988-89		55.42	15.23	34.92	66.73	45.63	102.39	18.38	0.50	127.00	466.20
<b>NORTH</b>											
<b>DEESA</b>											
1984-85		20.46	15.21	21.02	31.17	3.00	8.95	59.64	0.25	20.67	180.36
1988-89		30.14	8.01	15.13	49.14	3.16	14.73	13.73	223.99	25.10	383.14
<b>KADI</b>											
1984-85		18.70	4.67	0.98	23.10	9.81	0.61	1.96	0.00	1.88	61.72
1988-89		27.14	7.93	16.87	33.63	13.07	1.31	2.07	0.00	7.45	109.47
<b>KALOL</b>											
1984-85		31.71	3.57	17.40	31.83	13.16	32.89	5.55	3.92	1.59	141.62
1988-89		35.24	6.03	17.85	36.67	14.25	13.19	5.70	0.00	4.89	133.83
<b>MEHESANA</b>											
1984-85		18.53	3.39	21.69	21.67	2.07	0.00	4.34	7.32	2.50	81.51
1988-89		50.12	3.62	26.39	25.18	3.09	0.00	4.90	13.33	12.75	139.39
<b>PALANPUR</b>											
1984-85		32.79	4.78	11.16	23.96	0.00	7.99	10.40	5.52	10.03	106.63
1988-89		37.53	7.09	31.29	45.03	0.01	6.77	6.12	281.35	11.39	426.58

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
-----											
PATAN											
1984-85		19.86	12.48	17.19	27.65	0.31	33.86	5.75	84.20	8.56	209.87
1988-89		28.17	10.41	33.43	37.99	1.25	57.47	26.63	95.93	6.66	297.93
SIDHPUR											
1984-85		15.41	3.71	8.71	25.90	14.88	39.40	2.63	2.02	6.31	118.97
1988-89		21.21	5.38	21.98	37.55	19.71	67.45	1.94	128.87	3.01	307.10
UNJHA											
1984-85		19.79	3.74	29.85	19.72	0.33	40.32	4.16	0.00	7.53	125.43
1988-89		19.45	9.03	46.74	25.06	0.00	77.43	5.44	0.00	75.53	258.69
VISNAGAR											
1984-85		11.89	4.18	22.49	20.01	0.00	0.00	4.22	110.21	7.14	180.13
1988-89		14.53	5.05	34.33	26.12	0.00	0.00	3.04	149.00	3.69	235.75
-----											
TOTAL											
1984-85		21.76	6.24	16.97	25.38	4.71	18.86	9.95	25.83	7.01	136.70
1988-89		31.21	6.83	27.08	35.34	5.82	25.44	8.57	99.91	14.36	254.56
-----											
SAURASHTRA											
-----											
AMRELI											
1984-85		14.37	4.47	12.89	24.09	0.43	46.28	3.55	0.00	3.01	109.09
1988-89		27.94	5.12	32.54	39.37	0.36	77.67	4.83	0.00	29.63	217.45
BAGASARA											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		26.46	8.61	16.21	47.63	0.00	4.06	5.67	0.00	9.28	117.93
BHAVNAGAR											
1984-85		16.96	6.52	19.78	27.22	7.01	30.02	10.19	14.78	11.42	143.89
1988-89		18.86	10.81	42.66	52.88	0.00	56.61	16.55	27.59	4.74	230.70
BOTAD											
1984-85		20.33	5.61	17.17	19.52	0.00	40.49	4.76	0.70	3.08	111.65
1988-89		20.81	5.67	22.88	23.37	1.34	57.60	1.74	0.68	4.06	138.16
DHORAJI											
1984-85		22.65	7.15	10.00	3.37	0.00	3.22	8.29	0.00	19.79	74.47
1988-89		10.99	7.80	30.14	13.55	0.00	0.78	1.90	0.00	0.75	65.92
DHRANGADHRA											
1984-85		15.05	5.37	11.35	30.66	1.05	0.91	3.26	0.21	10.61	78.48
1988-89		74.23	7.84	15.78	1.14	3.52	1.06	4.14	0.00	8.31	116.03
GONDAL											
1984-85		28.23	5.17	10.23	31.22	0.93	46.83	11.83	0.00	6.21	140.64
1988-89		39.72	10.29	13.00	36.82	1.16	77.64	15.20	0.00	10.50	204.33
-----											

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>HIMMATNAGAR</b>											
1984-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89	29.43	9.54	25.56	18.13	0.00	0.43	19.75	0.00	3.81	106.66	
<b>JAMNAGAR</b>											
1984-85	20.73	5.29	14.00	36.06	0.20	36.23	7.83	9.46	23.39	153.18	
1988-89	30.24	9.79	26.54	44.88	0.00	51.08	11.97	30.97	53.01	258.47	
<b>JETPUR</b>											
1984-85	16.73	6.62	17.27	27.10	2.40	41.10	3.48	0.00	23.12	137.83	
1988-89	16.05	7.47	22.47	27.55	4.36	66.99	3.15	0.00	8.19	156.22	
<b>JUNAGADH</b>											
1984-85	20.56	6.02	26.25	37.80	0.00	2.02	6.07	12.13	17.93	128.79	
1988-89	27.79	10.25	27.11	44.32	0.00	3.02	6.00	13.87	22.90	155.26	
<b>KESOD</b>											
1984-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89	18.78	8.50	15.87	20.66	0.82	2.74	0.02	0.25	5.54	73.19	
<b>KHAMBHALIYA</b>											
1984-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89	32.59	9.81	21.38	52.81	0.00	4.52	2.25	0.00	0.91	124.27	
<b>LIMBADI</b>											
1984-85	21.39	6.67	14.00	42.36	2.57	52.41	4.34	5.86	18.28	167.87	
1988-89	25.57	9.08	11.57	48.23	2.82	75.55	4.10	3.71	16.71	197.34	
<b>MAHUVA</b>											
1984-85	22.95	3.40	5.48	46.68	34.77	35.46	6.70	0.00	19.49	174.93	
1988-89	29.64	3.34	5.99	33.10	55.21	61.27	18.59	0.00	28.34	235.48	
<b>MANGROL</b>											
1984-85	11.76	2.65	6.69	19.60	0.26	1.22	3.27	0.00	8.08	53.53	
1988-89	20.37	3.00	5.16	23.75	0.00	1.23	0.91	0.00	2.98	57.38	
<b>MODASA</b>											
1984-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1988-89	21.13	7.33	16.76	15.42	0.00	0.05	0.00	0.00	16.03	76.72	
<b>MORVI</b>											
1984-85	18.30	9.12	21.24	28.48	0.37	4.23	5.46	0.00	18.46	105.66	
1988-89	28.13	11.60	24.46	49.02	0.35	6.70	9.57	0.00	63.73	193.56	
<b>PALITANA</b>											
1984-85	40.61	4.16	16.57	30.42	1.43	57.18	11.78	0.00	14.06	176.19	
1988-89	54.22	8.45	32.15	42.17	2.17	88.37	50.50	0.00	4.15	282.18	
<b>PORBANDAR</b>											
1984-85	25.45	7.52	9.58	34.34	0.00	12.48	5.12	20.31	7.90	122.70	
1988-89	43.45	12.88	9.93	51.93	0.00	23.16	11.99	26.04	7.30	186.68	

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
-----											
RAJKOT											
1984-85		39.52	8.09	15.70	31.97	1.77	7.38	15.87	0.00	13.92	134.22
1988-89		47.89	12.59	21.04	53.94	3.55	65.89	39.40	0.00	14.45	258.75
-----											
SAVARKUNDLA											
1984-85		28.65	3.10	11.91	25.60	0.78	49.68	7.54	0.00	6.51	133.78
1988-89		42.77	5.75	30.70	42.30	0.83	163.00	4.29	0.00	13.30	302.94
-----											
SURENDRANAGAR											
1984-85		23.98	9.48	17.95	28.41	3.73	43.53	32.83	0.00	5.42	165.33
1988-89		24.77	5.05	15.27	33.80	1.78	69.03	20.08	0.00	9.78	179.57
-----											
UNA											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		12.89	0.00	0.00	0.00	0.00	0.00	2.50	0.00	3.07	18.46
-----											
UPLETA											
1984-85		19.63	5.92	6.63	26.63	2.09	28.47	15.24	10.40	13.95	128.96
1988-89		20.36	4.67	9.75	25.63	0.00	23.79	4.15	0.00	16.04	104.39
-----											
VERAVALPATAN											
1984-85		13.07	3.78	8.47	22.24	8.22	5.16	1.83	7.40	11.17	81.35
1988-89		17.23	6.43	22.61	31.35	10.39	4.94	7.50	8.38	5.84	114.70
-----											
WADHWAN											
1984-85		14.84	5.29	2.86	20.13	0.00	0.00	40.66	0.00	31.62	115.39
1988-89		16.32	12.25	14.74	24.72	0.26	0.00	16.74	0.00	41.93	126.97
-----											
WANKANER											
1984-85		28.40	6.75	8.78	23.02	0.21	0.18	3.99	0.00	3.14	74.48
1988-89		37.60	5.53	12.00	36.99	0.22	0.00	7.39	0.00	18.33	118.06
-----											
TOTAL											
1984-85		22.34	5.89	13.59	27.24	2.78	20.42	9.73	5.13	12.98	120.11
1988-89		31.18	9.31	23.34	40.70	2.81	44.59	16.27	9.29	17.77	195.25
-----											
KUCHCHH											
-----											
ANJAR											
1984-85		22.66	2.90	19.35	22.17	2.19	50.79	6.54	0.60	16.53	143.72
1988-89		35.85	9.14	39.33	37.92	3.80	109.14	12.54	0.00	23.57	271.29
-----											
BHUJ											
1984-85		12.65	6.16	23.17	37.64	0.00	0.41	2.85	0.00	17.06	99.94
1988-89		20.86	9.23	37.76	54.10	0.00	0.00	7.57	0.00	34.08	163.60
-----											
GANDHIDHAM											
1984-85		25.56	4.61	10.76	23.11	0.00	7.71	1.25	0.00	5.42	78.42
1988-89		40.89	8.02	25.88	33.42	0.69	0.00	15.99	0.00	7.97	132.85
-----											

CONTD...



	1	2	3	4	5	6	7	8	9	10	11
-----											
MANDVI											
1984-85		17.77	4.68	9.00	19.30	0.00	2.24	2.97	0.00	24.77	80.71
1988-89		37.23	8.17	23.89	36.37	0.00	0.00	7.95	0.00	14.06	127.67
-----											
TOTAL											
1984-85		19.36	4.88	16.26	27.48	0.36	11.38	2.94	0.10	14.29	97.06
1988-89		32.60	8.64	31.85	41.75	0.84	17.19	11.36	0.00	20.39	164.62
-----											
GUJARAT											
1984-85		28.16	7.96	18.93	35.17	12.09	35.50	12.62	6.21	46.87	203.52
1988-89		47.49	12.45	30.75	50.39	19.39	69.66	18.36	11.71	60.30	320.50
-----											

SOURCE: NIUA SURVEY, 1991

ANNEX C:10

COMPONENT WISE PER CAPITA REVENUE EXPENDITURE ON SERVICES OF MUNICIPAL BODIES  
ACCORDING TO SIZE CLASS OF CITIES, 1984-85 AND 1988-89  
(AT CONSTANT PRICES)

MUNICIPAL BODY/ SIZE CLASS	PER CAPITA EXPENDITURE (RS.)									
	GENERAL ADMINIS- TRATION	PUBLIC SAFETY	WATER SUPPLY	PUBLIC HEALTH/ SANITA- TION	MEDICAL SERVICES/ RELIEF	EDUCATION	PUBLIC BUILDING/ WORKS	COMMER- CIAL ACTIVI- TIES	OTHERS	TOTAL
1	2	3	4	5	6	7	8	9	10	11
CLASS AA										
-----										
AHMEDABAD										
1984-85	25.40	11.96	26.02	52.17	36.43	57.56	15.36	0.00	113.27	338.17
1988-89	44.70	12.57	28.85	56.66	40.65	87.65	15.23	0.00	116.07	402.39
BHAVNAGAR										
1984-85	16.96	6.52	19.78	27.22	7.01	30.02	10.19	14.78	11.42	143.89
1988-89	13.95	8.00	31.57	39.13	0.00	41.89	12.25	20.41	3.51	170.72
JAMNAGAR										
1984-85	20.73	5.29	14.00	36.06	0.20	36.23	7.83	9.46	23.39	153.18
1988-89	22.37	7.24	19.64	33.21	0.00	37.79	8.85	22.92	39.23	191.27
RAJKOT										
1984-85	39.52	8.09	15.70	31.97	1.77	7.38	15.87	0.00	13.92	134.22
1988-89	35.44	9.32	15.57	39.92	2.63	48.76	29.16	0.00	10.69	191.48
SURAT										
1984-85	16.05	7.09	19.00	49.88	0.00	42.67	25.25	0.00	59.12	219.05
1988-89	24.58	12.89	26.71	56.18	13.33	62.56	32.67	0.00	56.89	285.80
VADODARA										
1984-85	81.37	9.22	27.10	23.25	7.77	46.57	8.64	27.52	45.97	277.41
1988-89	84.75	9.90	30.56	19.02	10.00	55.05	6.72	18.43	28.98	263.42
-----										
TOTAL										
1984-85	33.58	9.50	22.80	42.37	17.65	45.06	15.27	6.11	70.59	262.93
1988-89	43.58	11.24	27.05	45.89	21.39	67.51	17.88	5.85	67.56	307.95
-----										
CLASS A										
-----										
BHARUCH										
1984-85	19.38	10.04	22.80	38.12	2.13	50.96	14.70	0.00	6.39	164.53
1988-89	22.61	8.27	31.29	45.05	2.67	62.92	4.85	0.00	10.78	188.45

CONTD....

	1	2	3	4	5	6	7	8	9	10	11
<b>JUNAGADH</b>											
1984-85		20.56	6.02	26.25	37.80	0.00	2.02	6.07	12.13	17.93	128.79
1988-89		20.57	7.58	20.06	32.79	0.00	2.23	4.43	10.26	16.94	114.89
<b>NADIAD</b>											
1984-85		22.85	6.07	16.40	37.81	6.56	39.90	9.48	0.00	13.61	152.66
1988-89		17.28	6.28	15.34	32.96	4.92	52.11	7.66	1.45	15.86	153.89
<b>NAVSARI</b>											
1984-85		11.74	9.75	22.28	19.28	1.01	36.44	30.56	0.00	9.57	140.63
1988-89		12.20	8.85	1.71	19.37	0.37	49.64	14.99	0.00	9.91	117.06
<b>PORBANDAR</b>											
1984-85		25.45	7.52	9.58	34.34	0.00	12.48	5.12	20.31	7.90	122.70
1988-89		32.15	9.53	7.34	38.43	0.00	17.14	8.87	19.27	5.40	138.14
<b>VERAVALPATAN</b>											
1984-85		13.07	3.78	8.47	22.24	8.22	5.16	1.83	7.40	11.17	81.35
1988-89		12.74	4.76	16.73	23.20	7.69	3.65	5.55	6.20	4.32	84.87
<b>TOTAL</b>											
1984-85		19.05	7.13	17.65	31.92	3.11	24.96	11.21	6.41	11.29	132.73
1988-89		19.32	7.48	15.18	31.72	2.70	32.02	7.80	5.93	10.84	132.99
<b>CLASS B</b>											
<b>AMRELI</b>											
1984-85		14.37	4.47	12.89	24.09	0.43	46.28	3.55	0.00	3.01	109.09
1988-89		20.67	3.78	24.07	29.12	0.25	57.47	3.57	0.00	21.91	160.90
<b>ANAND</b>											
1984-85		53.63	4.08	13.64	26.30	16.21	52.74	6.28	9.96	20.27	203.12
1988-89		47.24	8.47	12.14	3.06	14.08	74.22	7.22	8.40	11.60	186.47
<b>BHUJ</b>											
1984-85		12.65	6.16	23.17	37.64	0.00	0.41	2.85	0.00	17.06	99.94
1988-89		15.43	6.83	27.93	40.03	0.00	0.00	5.60	0.00	25.21	121.07
<b>BOTAD</b>											
1984-85		20.33	5.61	17.17	19.52	0.00	40.49	4.76	0.70	3.08	111.65
1988-89		15.40	4.19	16.93	17.29	0.99	42.62	1.28	0.50	3.01	102.23
<b>DAHOD</b>											
1984-85		18.24	9.15	9.41	33.54	0.00	0.00	12.66	0.00	9.68	92.68
1988-89		36.90	10.23	14.46	28.98	0.00	0.00	2.98	0.00	7.38	100.96
<b>DHORAJI</b>											
1984-85		22.65	7.15	10.00	3.37	0.00	3.22	8.29	0.00	19.79	74.47
1988-89		8.13	5.77	22.30	10.02	0.00	0.58	1.39	0.00	0.55	48.77

CONTD....

1	2	3	4	5	6	7	8	9	10	11
DHRANGADHRA										
1984-85	15.05	5.37	11.35	30.66	1.05	0.91	3.26	0.21	10.61	78.48
1988-89	54.92	5.80	11.68	0.83	2.60	0.78	3.05	0.00	6.14	85.86
GANDHIDHAM										
1984-85	25.56	4.61	10.76	23.11	0.00	7.71	1.25	0.00	5.42	78.42
1988-89	30.25	5.93	19.15	24.72	0.51	0.00	11.82	0.00	5.89	98.30
GODHRA										
1984-85	29.96	8.14	8.58	16.93	2.77	43.93	2.29	0.00	19.57	132.17
1988-89	15.90	7.38	6.83	19.46	1.99	67.13	1.59	0.37	8.69	129.37
GONDAL										
1984-85	28.23	5.17	10.23	31.22	0.93	46.83	11.83	0.00	6.21	140.64
1988-89	29.38	7.61	9.62	27.24	0.85	57.45	11.25	0.00	7.76	151.21
JETPUR										
1984-85	16.73	6.62	17.27	27.10	2.40	41.10	3.48	0.00	23.12	137.83
1988-89	11.87	5.52	16.63	20.39	3.22	49.56	2.33	0.00	6.06	115.60
KALOL										
1984-85	31.71	3.57	17.40	31.83	13.16	32.89	5.55	3.92	1.59	141.62
1988-89	26.07	4.46	13.20	27.13	10.54	9.76	4.22	0.00	3.61	99.03
KHAMBHAT										
1984-85	43.98	6.78	14.54	43.80	0.00	5.60	9.32	0.00	2.87	126.89
1988-89	27.32	8.53	12.80	43.88	0.00	5.48	12.78	0.00	16.23	127.07
MAHUVA										
1984-85	22.95	3.40	5.48	46.68	34.77	35.46	6.70	0.00	19.49	174.93
1988-89	21.93	2.47	4.42	24.49	40.84	45.34	13.75	0.00	20.97	174.24
MEHESANA										
1984-85	18.53	3.39	21.69	21.67	2.07	0.00	4.34	7.32	2.50	81.51
1988-89	37.08	2.68	19.52	18.64	2.28	0.00	3.62	9.86	9.43	103.14
MORVI										
1984-85	18.30	9.12	21.24	28.48	0.37	4.23	5.46	0.00	18.46	105.66
1988-89	20.82	8.58	18.10	36.26	0.26	4.95	7.07	0.00	47.15	143.24
PALANPUR										
1984-85	32.79	4.78	11.16	23.96	0.00	7.99	10.40	5.52	10.03	106.63
1988-89	27.77	5.24	23.15	33.32	0.00	5.01	4.52	208.19	8.43	315.66
PATAN										
1984-85	19.86	12.48	17.19	27.65	0.31	33.86	5.75	84.20	8.56	209.87
1988-89	20.83	7.70	24.74	28.11	0.92	42.52	19.70	70.98	4.92	220.47
SIDHPUR										
1984-85	15.41	3.71	8.71	25.90	14.88	39.40	2.63	2.02	6.31	118.97
1988-89	15.68	3.98	16.25	27.78	14.58	49.91	1.44	95.36	2.22	227.25

CONTD....

1	2	3	4	5	6	7	8	9	10	11
SURENDRANAGAR										
1984-85	23.98	9.48	17.95	28.41	3.73	43.53	32.83	0.00	5.42	165.33
1988-89	18.33	3.73	11.30	25.01	1.31	51.08	14.86	0.00	7.24	132.87
UPLETA										
1984-85	19.63	5.92	6.63	26.63	2.09	28.47	15.24	10.40	13.95	128.96
1988-89	15.06	3.46	7.21	18.97	0.00	17.60	3.06	0.00	11.86	77.25
VALSAD										
1984-85	39.69	6.81	27.76	25.93	19.39	4.74	21.68	0.00	12.31	158.32
1988-89	28.52	9.07	26.02	32.87	16.85	4.25	10.86	0.00	19.08	147.54
TOTAL										
1984-85	25.29	6.31	14.47	27.05	4.94	24.42	8.40	6.36	11.12	128.36
1988-89	24.56	5.97	16.26	24.07	4.72	27.98	6.88	17.35	11.46	139.24
CLASS C										
ANJAR										
1984-85	22.66	2.90	19.35	22.17	2.19	50.79	6.54	0.60	16.53	143.72
1988-89	26.51	6.75	29.08	28.05	2.79	80.74	9.27	0.00	17.42	200.74
ANKLESVAR										
1984-85	24.56	11.58	2.29	22.46	14.20	62.80	9.36	0.00	20.84	168.09
1988-89	26.30	15.17	69.13	24.70	14.00	79.42	16.73	0.00	1.89	247.37
BAGASARA										
1984-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89	19.57	6.34	11.96	35.22	0.00	2.98	4.17	0.00	6.86	87.25
BARDOLI										
1984-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89	14.62	5.12	9.77	9.77	0.00	0.66	8.17	0.00	0.00	48.18
BILIMORA										
1984-85	11.90	6.94	11.64	32.18	14.49	3.82	4.59	0.00	123.12	208.67
1988-89	17.16	6.91	10.24	12.35	12.11	47.51	4.88	0.00	4.56	115.76
BORSAD										
1984-85	16.98	4.62	9.64	22.12	14.10	0.00	11.13	51.31	8.54	138.43
1988-89	36.45	4.73	3.98	12.47	11.40	0.00	4.09	0.00	0.62	73.81
DABHOI										
1984-85	25.91	3.64	10.84	24.72	0.00	46.51	6.65	0.00	59.61	177.88
1988-89	32.00	4.95	17.77	25.42	0.00	45.75	4.15	0.00	18.05	148.15
DAHEBAM										
1984-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89	9.07	4.09	30.73	1.41	0.00	6.70	3.04	0.00	2.37	57.50

CONTD....

	1	2	3	4	5	6	7	8	9	10	11
DEESA											
1984-85		20.46	15.21	21.02	31.17	3.00	8.95	59.64	0.25	20.67	180.36
1988-89		22.30	5.92	11.20	36.36	2.34	10.90	10.14	165.74	18.56	283.52
DHOLKA											
1984-85		17.37	5.19	7.94	17.81	6.21	0.43	0.70	0.00	15.60	71.26
1988-89		27.44	4.75	11.23	19.02	5.55	0.00	10.06	0.00	3.60	81.69
HIMMATNAGAR											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		21.76	7.05	18.91	13.41	0.00	0.31	14.61	0.00	2.81	78.92
JAMBUSAR											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		9.02	2.83	12.97	16.36	2.77	6.25	9.08	0.00	4.60	63.96
KADI											
1984-85		18.70	4.67	0.98	23.10	9.81	0.61	1.96	0.00	1.88	61.72
1988-89		20.08	5.87	12.46	24.87	9.66	0.95	1.51	0.00	5.50	80.99
KAPADWANJ											
1984-85		16.62	5.98	17.32	28.96	18.45	77.88	3.93	0.00	18.64	187.78
1988-89		42.68	7.04	21.54	30.73	20.57	65.17	2.99	0.00	11.72	202.52
KESOD											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		13.89	6.28	11.74	15.28	0.59	2.02	0.00	0.17	4.09	54.16
KHAMBHALIYA											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		24.11	7.26	15.79	39.05	0.00	3.34	1.64	0.00	0.67	91.96
LIMBADI											
1984-85		21.39	6.67	14.00	42.36	2.57	52.41	4.34	5.86	18.28	167.87
1988-89		18.90	6.70	8.55	35.67	2.08	55.90	3.02	2.74	12.34	146.00
MANDVI											
1984-85		17.77	4.68	9.00	19.30	0.00	2.24	2.97	0.00	24.77	80.71
1988-89		27.53	6.03	17.67	26.90	0.00	0.00	5.86	0.00	10.39	94.47
MANGROL											
1984-85		11.76	2.65	6.69	19.60	0.26	1.22	3.27	0.00	8.08	53.53
1988-89		15.06	2.22	3.80	17.56	0.00	0.89	0.65	0.00	2.20	42.44
MODASA											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		15.63	5.42	12.40	11.39	0.00	0.02	0.00	0.00	11.86	56.75
PADRA											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		24.15	5.07	13.60	18.90	0.00	78.36	4.50	0.00	0.57	145.22

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
PALITANA											
1984-85		40.61	4.16	16.57	30.42	1.43	57.18	11.78	0.00	14.06	176.19
1988-89		40.12	6.25	23.78	31.19	1.59	65.39	37.37	0.00	3.07	208.80
PETLAD											
1984-85		16.11	5.68	13.06	18.04	4.82	14.68	24.88	0.00	13.87	111.14
1988-89		12.98	5.52	13.55	19.48	4.61	1.78	12.81	0.00	8.74	79.55
RAJPIPLA											
1984-85		41.19	15.19	26.13	30.78	0.23	54.53	2.24	0.00	14.35	184.64
1988-89		41.98	10.33	23.67	28.06	0.28	75.71	8.60	0.00	12.84	201.60
SAVARKUNDLA											
1984-85		28.65	3.10	11.91	25.60	0.78	49.68	7.54	0.00	6.51	133.78
1988-89		31.64	4.24	22.72	31.29	0.60	120.62	3.17	0.00	9.83	224.17
UMRETH											
1984-85		18.03	3.45	5.25	16.90	0.00	0.43	1.59	0.00	1.66	47.32
1988-89		15.70	4.62	8.52	11.76	8.61	0.19	5.68	0.00	4.24	59.41
UNA											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		9.53	0.00	0.00	0.00	0.00	0.00	1.83	0.00	2.26	13.65
UNJHA											
1984-85		19.79	3.74	29.85	19.72	0.33	40.32	4.16	0.00	7.53	125.43
1988-89		14.38	6.67	34.58	18.54	0.00	57.28	4.02	0.00	55.87	191.42
VIRANGAM											
1984-85		21.99	4.40	16.46	32.04	12.87	0.00	9.66	0.00	13.95	111.37
1988-89		29.55	4.62	20.65	18.82	12.32	0.00	1.65	0.00	8.89	96.55
VISNAGAR											
1984-85		11.89	4.18	22.49	20.01	0.00	0.00	4.22	110.21	7.14	180.13
1988-89		10.74	3.72	25.39	19.32	0.00	0.00	2.24	110.25	2.72	174.46
VYARA											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		20.59	3.10	10.81	10.16	0.00	0.00	31.06	0.00	8.27	84.07
WADHWAN											
1984-85		14.84	5.29	2.86	20.13	0.00	0.00	40.66	0.00	31.62	115.39
1988-89		12.06	9.06	10.89	18.27	0.17	0.00	12.38	0.00	31.02	93.95

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
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WANKANER											
1984-85		28.40	6.75	8.78	23.02	0.21	0.18	3.99	0.00	3.14	74.48
1988-89		27.80	4.08	8.86	27.36	0.14	0.00	5.44	0.00	13.55	87.34
-----											
TOTAL											
1984-85		15.01	4.24	9.40	17.77	3.62	16.48	7.92	6.35	15.93	96.70
1988-89		22.16	5.79	17.32	20.84	3.66	25.37	7.33	11.18	9.48	123.12
-----											
GUJARAT											
1984-85		28.16	7.96	18.93	35.17	12.09	35.50	12.62	6.21	46.87	203.52
1988-89		35.14	9.22	22.76	37.29	14.35	51.55	13.58	8.66	44.62	237.17
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SOURCE: NIUA SURVEY, 1991



ANNEX C:11

COMPONENT WISE PER CAPITA REVENUE EXPENDITURE ON SERVICES OF MUNICIPAL BODIES  
ACCORDING TO REGIONS, 1984-85 AND 1988-89  
(AT CONSTANT PRICES)

MUNICIPAL BODY/ REGION	PER CAPITA EXPENDITURE (RS.)									
	GENERAL ADMINIS- TRATION	PUBLIC SAFETY	WATER SUPPLY	PUBLIC HEALTH/ SANITA- TION	MEDICAL SERVICES/ RELIEF	EDUCATION	PUBLIC BUILDING/ WORKS	COMMER- CIAL ACTIVI- TIES	OTHERS	TOTAL
1	2	3	4	5	6	7	8	9	10	11
SOUTH										
-----										
ANKLESVAR										
1984-85	24.56	11.58	2.29	22.46	14.20	62.80	9.36	0.00	20.84	168.09
1988-89	26.30	15.17	69.13	24.70	14.00	79.42	16.73	0.00	1.89	247.37
BARDOLI										
1984-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89	14.62	5.12	9.77	9.77	0.00	0.66	8.17	0.00	0.00	48.18
BHARUCH										
1984-85	19.38	10.04	22.80	38.12	2.13	50.96	14.70	0.00	6.39	164.53
1988-89	22.61	8.27	31.29	45.05	2.67	62.92	4.85	0.00	10.78	188.45
BILIMORA										
1984-85	11.90	6.94	11.64	32.18	14.49	3.82	4.59	0.00	123.12	208.67
1988-89	17.16	6.91	10.24	12.35	12.11	47.51	4.88	0.00	4.56	115.76
DABHOI										
1984-85	25.91	3.64	10.84	24.72	0.00	46.51	6.65	0.00	59.61	177.88
1988-89	32.00	4.95	17.77	25.42	0.00	45.75	4.15	0.00	18.05	148.15
DAHOD										
1984-85	18.24	9.15	9.41	33.54	0.00	0.00	12.66	0.00	9.68	92.68
1988-89	36.90	10.23	14.46	28.98	0.00	0.00	2.98	0.00	7.38	100.96
GODHRA										
1984-85	29.96	8.14	8.58	16.93	2.77	43.93	2.29	0.00	19.57	132.17
1988-89	15.90	7.38	6.83	19.46	1.99	67.13	1.59	0.37	8.69	129.37
JAMBUSAR										
1984-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89	9.02	2.83	12.97	16.36	2.77	6.25	9.08	0.00	4.60	63.96
NAVSARI										
1984-85	11.74	9.75	22.28	19.28	1.01	36.44	30.56	0.00	9.57	140.63
1988-89	12.20	8.85	1.71	19.37	0.37	49.64	14.99	0.00	9.91	117.06

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>PADRA</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		24.15	5.07	13.60	18.90	0.00	78.36	4.50	0.00	0.57	145.22
<b>RAJPIPLA</b>											
1984-85		41.19	15.19	26.13	30.78	0.23	54.53	2.24	0.00	14.35	184.64
1988-89		41.98	10.33	23.67	28.06	0.28	75.71	8.60	0.00	12.84	201.60
<b>SURAT</b>											
1984-85		16.05	7.09	19.00	49.88	0.00	42.67	25.25	0.00	59.12	219.05
1988-89		24.58	12.89	26.71	56.18	13.33	62.56	32.67	0.00	56.89	285.80
<b>VADODARA</b>											
1984-85		81.37	9.22	27.10	23.25	7.77	46.57	8.64	27.52	45.97	277.41
1988-89		84.75	9.90	30.56	19.02	10.00	55.05	6.72	18.43	28.98	263.42
<b>VALSAD</b>											
1984-85		39.69	6.81	27.76	25.93	19.39	4.74	21.68	0.00	12.31	158.32
1988-89		28.52	9.07	26.02	32.87	16.85	4.25	10.86	0.00	19.08	147.54
<b>VYARA</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		20.59	3.10	10.81	10.16	0.00	0.00	31.06	0.00	8.27	84.07
<b>TOTAL</b>											
1984-85		39.22	7.94	20.34	32.84	3.88	40.04	15.67	9.40	43.61	212.94
1988-89		44.65	10.52	25.59	34.68	9.60	54.93	17.07	6.40	34.13	237.58
<b>CENTRAL</b>											
<b>AHMEDABAD</b>											
1984-85		25.40	11.96	26.02	52.17	36.43	57.56	15.36	0.00	113.27	338.17
1988-89		44.70	12.57	28.85	56.66	40.65	87.65	15.23	0.00	116.07	402.39
<b>ANAND</b>											
1984-85		53.63	4.08	13.64	26.30	16.21	52.74	6.28	9.96	20.27	203.12
1988-89		47.24	8.47	12.14	3.06	14.08	74.22	7.22	8.40	11.60	186.47
<b>BORSAD</b>											
1984-85		16.98	4.62	9.64	22.12	14.10	0.00	11.13	51.31	8.54	138.43
1988-89		36.45	4.73	3.98	12.47	11.40	0.00	4.09	0.00	0.62	73.81
<b>DAHEBAM</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		9.07	4.09	30.73	1.41	0.00	6.70	3.04	0.00	2.37	57.50
<b>DHOLKA</b>											
1984-85		17.37	5.19	7.94	17.81	6.21	0.43	0.70	0.00	15.60	71.26
1988-89		27.44	4.75	11.23	19.02	5.55	0.00	10.06	0.00	3.60	81.69

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>KAPADWANJ</b>											
1984-85		16.62	5.98	17.32	28.96	18.45	77.88	3.93	0.00	18.64	187.78
1988-89		42.68	7.04	21.54	30.73	20.57	65.17	2.99	0.00	11.72	202.52
<b>KHAMBHAT</b>											
1984-85		43.98	6.78	14.54	43.80	0.00	5.60	9.32	0.00	2.87	126.89
1988-89		27.32	8.53	12.80	43.88	0.00	5.48	12.78	0.00	16.23	127.07
<b>NADIAD</b>											
1984-85		22.85	6.07	16.40	37.81	6.56	39.90	9.48	0.00	13.61	152.66
1988-89		17.28	6.28	15.34	32.96	4.92	52.11	7.66	1.45	15.86	153.89
<b>PETLAD</b>											
1984-85		16.11	5.68	13.06	18.04	4.82	14.68	24.88	0.00	13.87	111.14
1988-89		12.98	5.52	13.55	19.48	4.61	1.78	12.81	0.00	8.74	79.55
<b>UMRETH</b>											
1984-85		18.03	3.45	5.25	16.90	0.00	0.43	1.59	0.00	1.66	47.32
1988-89		15.70	4.62	8.52	11.76	8.61	0.19	5.68	0.00	4.24	59.41
<b>VIRAMGAM</b>											
1984-85		21.99	4.40	16.46	32.04	12.87	0.00	9.66	0.00	13.95	111.37
1988-89		29.55	4.62	20.65	18.82	12.32	0.00	1.65	0.00	8.89	96.55
<b>TOTAL</b>											
1984-85		25.75	10.51	23.28	47.18	30.47	50.72	13.90	1.08	91.89	294.78
1988-89		41.01	11.27	25.84	49.38	33.77	75.77	13.60	0.37	93.98	344.99
<b>NORTH</b>											
<b>DEESA</b>											
1984-85		20.46	15.21	21.02	31.17	3.00	8.95	59.64	0.25	20.67	180.36
1988-89		22.30	5.92	11.20	36.36	2.34	10.90	10.14	165.74	18.56	283.52
<b>KADI</b>											
1984-85		18.70	4.67	0.98	23.10	9.81	0.61	1.96	0.00	1.88	61.72
1988-89		20.08	5.87	12.46	24.87	9.66	0.95	1.51	0.00	5.50	80.99
<b>KALOL</b>											
1984-85		31.71	3.57	17.40	31.83	13.16	32.89	5.55	3.92	1.59	141.62
1988-89		26.07	4.46	13.20	27.13	10.54	9.76	4.22	0.00	3.61	99.03
<b>MEHESANA</b>											
1984-85		18.53	3.39	21.69	21.67	2.07	0.00	4.34	7.32	2.50	81.51
1988-89		37.08	2.68	19.52	18.64	2.28	0.00	3.62	9.86	9.43	103.14
<b>PALANPUR</b>											
1984-85		32.79	4.78	11.16	23.96	0.00	7.99	10.40	5.52	10.03	106.63
1988-89		27.77	5.24	23.15	33.32	0.00	5.01	4.52	208.19	8.43	315.66

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>PATAN</b>											
1984-85		19.86	12.48	17.19	27.65	0.31	33.86	5.75	84.20	8.56	209.87
1988-89		20.83	7.70	24.74	28.11	0.92	42.52	19.70	70.98	4.92	220.47
<b>SIDHPUR</b>											
1984-85		15.41	3.71	8.71	25.90	14.88	39.40	2.63	2.02	6.31	118.97
1988-89		15.68	3.98	16.25	27.78	14.58	49.91	1.44	95.36	2.22	227.25
<b>UNJHA</b>											
1984-85		19.79	3.74	29.85	19.72	0.33	40.32	4.16	0.00	7.53	125.43
1988-89		14.38	6.67	34.58	18.54	0.00	57.28	4.02	0.00	55.87	191.42
<b>VISNAGAR</b>											
1984-85		11.89	4.18	22.49	20.01	0.00	0.00	4.22	110.21	7.14	180.13
1988-89		10.74	3.72	25.39	19.32	0.00	0.00	2.24	110.25	2.72	174.46
<b>TOTAL</b>											
1984-85		21.76	6.24	16.97	25.38	4.71	18.86	9.95	25.83	7.01	136.70
1988-89		23.10	5.05	20.04	26.15	4.30	18.83	6.34	73.93	10.62	188.37
<b>SAURASHTRA</b>											
<b>AMRELI</b>											
1984-85		14.37	4.47	12.89	24.09	0.43	46.28	3.55	0.00	3.01	109.09
1988-89		20.67	3.78	24.07	29.12	0.25	57.47	3.57	0.00	21.91	160.90
<b>BAGASARA</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		19.57	6.34	11.96	35.22	0.00	2.98	4.17	0.00	6.86	87.25
<b>BHAVNAGAR</b>											
1984-85		16.96	6.52	19.78	27.22	7.01	30.02	10.19	14.78	11.42	143.89
1988-89		13.95	8.00	31.57	39.13	0.00	41.89	12.25	20.41	3.51	170.72
<b>BOTAD</b>											
1984-85		20.33	5.61	17.17	19.52	0.00	40.49	4.76	0.70	3.08	111.65
1988-89		15.40	4.19	16.93	17.29	0.99	42.62	1.28	0.50	3.01	102.23
<b>DHORAJI</b>											
1984-85		22.65	7.15	10.00	3.37	0.00	3.22	8.29	0.00	19.79	74.47
1988-89		8.13	5.77	22.30	10.02	0.00	0.58	1.39	0.00	0.55	48.77
<b>DHRANGADHRA</b>											
1984-85		15.05	5.37	11.35	30.66	1.05	0.91	3.26	0.21	10.61	78.48
1988-89		54.92	5.80	11.68	0.83	2.60	0.78	3.05	0.00	6.14	85.86
<b>GONDAL</b>											
1984-85		28.23	5.17	10.23	31.22	0.93	46.83	11.83	0.00	6.21	140.64
1988-89		29.38	7.61	9.62	27.24	0.85	57.45	11.25	0.00	7.76	151.21

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>HIMMATNAGAR</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		21.76	7.05	18.91	13.41	0.00	0.31	14.61	0.00	2.81	78.92
<b>JAMNAGAR</b>											
1984-85		20.73	5.29	14.00	36.06	0.20	36.23	7.83	9.46	23.39	153.18
1988-89		22.37	7.24	19.64	33.21	0.00	37.79	8.85	22.92	39.23	191.27
<b>JETPUR</b>											
1984-85		16.73	6.62	17.27	27.10	2.40	41.10	3.48	0.00	23.12	137.83
1988-89		11.87	5.52	16.63	20.39	3.22	49.56	2.33	0.00	6.06	115.60
<b>JUNAGADH</b>											
1984-85		20.56	6.02	26.25	37.80	0.00	2.02	6.07	12.13	17.93	128.79
1988-89		20.57	7.58	20.06	32.79	0.00	2.23	4.43	10.26	16.94	114.89
<b>KESOD</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		13.89	6.28	11.74	15.28	0.59	2.02	0.00	0.17	4.09	54.16
<b>KHAMBHALIYA</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		24.11	7.26	15.79	39.05	0.00	3.34	1.64	0.00	0.67	91.96
<b>LIMBADI</b>											
1984-85		21.39	6.67	14.00	42.36	2.57	52.41	4.34	5.86	18.28	167.87
1988-89		18.90	6.70	8.55	35.67	2.08	55.90	3.02	2.74	12.34	146.00
<b>MAHUVA</b>											
1984-85		22.95	3.40	5.48	46.68	34.77	35.46	6.70	0.00	19.49	174.93
1988-89		21.93	2.47	4.42	24.49	40.84	45.34	13.75	0.00	20.97	174.24
<b>MANGROL</b>											
1984-85		11.76	2.65	6.69	19.60	0.26	1.22	3.27	0.00	8.08	53.53
1988-89		15.06	2.22	3.80	17.56	0.00	0.89	0.65	0.00	2.20	42.44
<b>MODASA</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		15.63	5.42	12.40	11.39	0.00	0.02	0.00	0.00	11.86	56.75
<b>MORVI</b>											
1984-85		18.30	9.12	21.24	28.48	0.37	4.23	5.46	0.00	18.46	105.66
1988-89		20.82	8.58	18.10	36.26	0.26	4.95	7.07	0.00	47.15	143.24
<b>PALITANA</b>											
1984-85		40.61	4.16	16.57	30.42	1.43	57.18	11.78	0.00	14.06	176.19
1988-89		40.12	6.25	23.78	31.19	1.59	65.39	37.37	0.00	3.07	208.80
<b>PORBANDAR</b>											
1984-85		25.45	7.52	9.58	34.34	0.00	12.48	5.12	20.31	7.90	122.70
1988-89		32.15	9.53	7.34	38.43	0.00	17.14	8.87	19.27	5.40	138.14

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
<b>RAJKOT</b>											
1984-85		39.52	8.09	15.70	31.97	1.77	7.38	15.87	0.00	13.92	134.22
1988-89		35.44	9.32	15.57	39.92	2.63	48.76	29.16	0.00	10.69	191.48
<b>SAVARKUNDLA</b>											
1984-85		28.65	3.10	11.91	25.60	0.78	49.68	7.54	0.00	6.51	133.78
1988-89		31.64	4.24	22.72	31.29	0.60	120.62	3.17	0.00	9.83	224.17
<b>SURENDRANAGAR</b>											
1984-85		23.98	9.48	17.95	28.41	3.73	43.53	32.83	0.00	5.42	165.33
1988-89		18.33	3.73	11.30	25.01	1.31	51.08	14.86	0.00	7.24	132.87
<b>UNA</b>											
1984-85		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988-89		9.53	0.00	0.00	0.00	0.00	0.00	1.83	0.00	2.26	13.65
<b>UPLETA</b>											
1984-85		19.63	5.92	6.63	26.63	2.09	28.47	15.24	10.40	13.95	128.96
1988-89		15.06	3.46	7.21	18.97	0.00	17.60	3.06	0.00	11.86	77.25
<b>VERAVALPATAN</b>											
1984-85		13.07	3.78	8.47	22.24	8.22	5.16	1.83	7.40	11.17	81.35
1988-89		12.74	4.76	16.73	23.20	7.69	3.65	5.55	6.20	4.32	84.87
<b>WADHWAN</b>											
1984-85		14.84	5.29	2.86	20.13	0.00	0.00	40.66	0.00	31.62	115.39
1988-89		12.06	9.06	10.89	18.27	0.17	0.00	12.38	0.00	31.02	93.95
<b>WANKANER</b>											
1984-85		28.40	6.75	8.78	23.02	0.21	0.18	3.99	0.00	3.14	74.48
1988-89		27.80	4.08	8.86	27.36	0.14	0.00	5.44	0.00	13.55	87.34
<b>TOTAL</b>											
1984-85		22.34	5.89	13.59	27.24	2.78	20.42	9.73	5.13	12.98	120.11
1988-89		23.08	6.89	17.27	30.11	2.08	32.99	12.04	6.87	13.15	144.48
<b>KUCHCHH</b>											
<b>ANJAR</b>											
1984-85		22.66	2.90	19.35	22.17	2.19	50.79	6.54	0.60	16.53	143.72
1988-89		26.51	6.75	29.08	28.05	2.79	80.74	9.27	0.00	17.42	200.74
<b>BHUJ</b>											
1984-85		12.65	6.16	23.17	37.64	0.00	0.41	2.85	0.00	17.06	99.94
1988-89		15.43	6.83	27.93	40.03	0.00	0.00	5.60	0.00	25.21	121.07
<b>GANDHIDHAM</b>											
1984-85		25.56	4.61	10.76	23.11	0.00	7.71	1.25	0.00	5.42	78.42
1988-89		30.25	5.93	19.15	24.72	0.51	0.00	11.82	0.00	5.89	98.30

CONTD...

	1	2	3	4	5	6	7	8	9	10	11
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MANDVI											
1984-85		17.77	4.68	9.00	19.30	0.00	2.24	2.97	0.00	24.77	80.71
1988-89		27.53	6.03	17.67	26.90	0.00	0.00	5.86	0.00	10.39	94.47
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TOTAL											
1984-85		19.36	4.88	16.26	27.48	0.36	11.38	2.94	0.10	14.29	97.06
1988-89		24.12	6.39	23.57	30.90	0.62	12.72	8.41	0.00	15.09	121.82
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GUJARAT											
1984-85		28.16	7.96	18.93	35.17	12.09	35.50	12.62	6.21	46.87	203.52
1988-89		35.14	9.22	22.76	37.29	14.35	51.55	13.58	8.66	44.62	237.17
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SOURCE: NIUA SURVEY, 1991