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# ECONOMIC SURVEY

## 2011 - 12

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Government of Goa

Directorate of Planning, Statistics & Evaluation

Panaji - Goa

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## OVERVIEW

Goa has impressive socio-economic indicators, some of which are comparable with many of the developed countries of the sub-continent. However in order to ensure sustainable and rapid growth which is also more inclusive, large investments would be required in the Twelfth Plan for the State to grow faster.

### Macroeconomic Perspective

The growth rate over previous year in respect of Gross State Domestic Product (GSDP) at constant (2004-05) prices depicts that the economy which grew at 10.02% in the beginning of the Eleventh Plan i.e. in 2006-07, dropped to a growth rate of 5.54 % in 2007-08, and in the subsequent two years, the growth of the State's economy, stabilized at around 10 %. However, as per the Advance Estimates for 2010-11, the growth rate has dropped down to 8.30 %.

As per the Advance estimates of GSDP for 2010-11, at constant prices, Primary sector registered a growth rate of (-) 1.46%. This is attributed to the steep fall in the growth rate of Mining and Quarrying, which is one of the sub-sectors under Primary Sector. Secondary Sector registered an increase in its growth rate from 5.70% in 2008-09 to 8.77% in 2009-10. However, in 2010-11 its growth rate dropped to 6.80%. Tertiary Sector which had a growth rate of 15.26% in 2008-09, witnessed a downward trend with a growth rate of 11.13 % in 2009-10 and stood at 11.98% in 2010-11.

Sector-wise composition of GSDP at constant (2004-05) prices show that Tertiary Sector accounted for 50.51 % of the GSDP followed by secondary sector

with 38.20% and primary sector with 11.30%.

### Institutional Finance

The State can boast of a well knit banking network, with as many as 586 banking offices as on 30<sup>st</sup> September 2011. There is one bank branch for approximately every 2,500 people. The aggregate deposits of Rs. 40617 crore as on September, 2011, has registered an annual growth of 16% over the previous year. The Credit-Deposit (CD) ratio of the State as on March 2011 is 32% which is much below the desired level of 40%. Steps have been taken by the State Level Bankers Committee, other banks and the Government to improve the CD ratio of the State.

### Agriculture and Allied Services

Increased Plan allocation for agriculture and allied services has helped in reversing the downward trend experienced in agriculture sector during the past years.

Increased spending under Agriculture sector has made the State eligible for availing central grants under the central scheme of "Rashtriya Krishi Vikas Yojana."

The conducive environment created in this sector has motivated many a farmers to take up agriculture seriously. The contribution of agriculture to GSDP at constant (2004-05) prices, in 2010-11 is 3.15%. The negative growth of -10.38% under Agriculture sector in 2008-09, increased to 5.37% in 2009-10(Q). However in 2010-11, the growth rate dropped down to 1.54%.

The Goa State Horticulture Corporation through its network of 427 outlets and 14



mobile vans caters to over 27,000 people per day supplying approximately 100 tonnes of vegetables per day to the common man at subsidized prices.

The demand for milk in the State is estimated to be 3.00 lakh litres per day; however 50% of its supply still comes from the neighbouring states. Similarly there is a huge demand for poultry products. There are a number of small poultry units in the State, however local supply of is less than 0.50 lakh per week as against the current demand of 1.25 to 1.75 lakh per week. This invariably calls for change in approach towards Poultry and Dairy farming in the state.

Infrastructure has been provided at various fish landing sites during the current year in order to minimize the post harvest losses. The export of fish during 2010 was 37,212 tonnes which fetched a foreign exchange of Rs 288.91 crore.

### Rural Development

With a view to develop a sustainable village economy, various schemes have been initiated to generate rural employment and to raise the standard of living of the rural poor. During 2011-12 (upto November 2011) under Swarna Gram Swarozgar Yojana, 363 families were assisted to set up self employment activities. Under the housing programmes of Indira Aawas Yojana, 966 houses have been constructed against the target of 1,547 houses.

Under the Mahatma Gandhi National Rural Employment Guarantee Scheme, 4999 Job Cards were issued during 2011-12 (upto Jan'12). Under the housing scheme of Rajiv Aawas Yojana during 2011-12 (Dec'11) 399 new houses have been constructed and 2655 houses were assisted financially for repairing.

### Power

The State does not have power generation facilities of its own and is dependent on the power allocated from the Central Generating Stations in the Western and Southern Regions, wheeled through the neighbouring State Grids, which is to the tune of 454 MW. The power generated by the private sector in the state and available to the state is 36 MW. The present peak demand requirement of Goa is of the order of 550 MW. To meet deficit, various short term and long term measures are taken up. During the year 2011-12, under this sector, the gross revenue likely to be generated is Rs. 1000.00 crore

### Water Resources

The Central Water Commission (CWC) has assessed the water resources of Goa estimated at 8,570 mcm. However, due to topographical, geological and other constraints the level of utilization of resources for irrigation is expected to be 1,465 mcm (1,125 mcm surface and 340 mcm ground water) plus 300 mcm for domestic, industrial use etc. (200 mcm surface water and 100 mcm ground water).

The Government has spent Rs.75 lakh in Verna Industrial Estate for rainwater harvesting and ground water recharge schemes (paani adva & paani jirva) like check dams, recharge trenches and infiltration of bore holes and the works are nearing completion.

Under the Hydrology Project – II, Purpose Driven Studies have been taken up on evaluation of downstream consequences of bore well pumping at Verna Industrial Estate and is in the process of working out a suitable water resources management strategy. Technical support with regard to Ground Water Recharge is extended to Industries Department.

### Roads and Bridges

The following 2 bridges were completed during the financial year 2011-12:

1. RCC Bridge linking Dongrim in V.P.Navelim
2. Parallel bridge at Bicholim.

The total length of Surface and un-surfaced roads in the state is 10,224.63 kms as on March, 2011

### Sewerage & Water Supply

During the year 2011-12 under Urban Sanitation (up to September 2011) 41 subsidized sewerage connections were released benefitting a population of 151 persons. Besides, 142 other sewerage connections were released covering a population of 683.

Under rural sanitation during the year 2011-12 (up to September 2011) 789 Individual Sanitary units were constructed benefitting a population of 3,945 persons. Further, two Community Sanitary units were constructed benefitting around 60 people.

At present, the average water supply level in villages is 82 LPCD as against 40 LPCD as per the norms of Government of India for rural areas. During the year 2011-12 (upto September 2011), 1,324 water connections were released benefitting a population of 6,620.

### Health

New District Hospital at Mapusa was commissioned and the construction of District Hospital at Margao is in progress. The Diabetes Registry was started in June 2011.

### Tourism

To cater to increased tourist traffic in flow, the hotel bed capacity has gone up from

44,066 in March, 2010 to 47,065 as on March, 2011.

During the season October, 2010 to May, 2011, 900 Charter flights have brought in 1,71,367 tourists. However 173 flights have brought in 31,999 tourists to the State during first two months of the season October, 2011 to May, 2012.

In all 2,17,810 (P) number of foreign tourists and 10,87,848 (P) number of domestic tourists visited the State upto August, 2011, during the calendar year 2011. The corresponding figures for the calendar year 2010 are 4,41,053 foreign tourists and 22,01,752 domestic tourists.

### Industries

The High Powered Co-ordination Committee (HPCC) has approved/ cleared proposals in respect of 21 units during the year 2011-12 (up to November'11) with a total investment of Rs.1594.54 crore and an employment potential of 2504 persons.

The HPCC has collected a regularization fee amounting to Rs. 1.55 lakh from 17 units towards registration/ graduation/ expansion/ diversification of the large units and Rs. 20.00 lakh from four units, towards regularization during the year 2011-12, up to November 2011.

Under Share Capital to Local Entrepreneurs and Self Employed Scheme (CMRY) during the year 2011-12 (up to November, 2011), an amount of Rs.350.00 lakh has been sanctioned/ disbursed through EDC Ltd. to 313 beneficiaries as 50% Share Capital Loan to CMRY beneficiaries.

### Demography

As per the provisional figures of Population Census- 2011, the population of the State stands at 14,57,723, registering a

decennial growth of 8.17%. The population growth rate in the State has dropped down from 15.2% in 2001 to 8.17% in 2011, the lowest since liberation of the State. It may be noted that after 1971, the population growth rate of the State is on the decline. In 1971, the population growth rate of the State was 34.77% which declined to 26.74% in 1981 and further declined to 16.08% in 1991.

The literacy rate in the State has moved up from 82.01% in 2001 to 87.40% as per 2011 census. Male literacy increased from 88.4% in 2001 to 92.8% in 2011, while female literacy increased from 75.4% in 2001 to 81.8 % in 2011. It is pertinent to note that the increase in the rate of growth, of female literacy as compared to the previous census is higher than their male counterpart, showing thereby that females are fast catching up with their male counterpart in the field of literacy. Goa has surpassed the target of total literacy rate of 85% set by the Planning Commission to be achieved by 2011-12.

The density of population in the State as per 2011 census is 394 per sq km which is higher than the National average of 382 per sq. km. The State's population density has gone up from 364 in 2001 to 394 as per the respective population censuses.

Sex ratio in the State as per 2011 census is 968 females per 1000 males, which is much above the National average of 960. Further the sex ratio in the State has improved from 960 in 2001 census to 968 in 2011. However, the child sex ratio has declined from 938 in the last census to 920 as per the latest census. Even the proportion of child population in the age group 0 to 6 years, to total population has

declined from 10.8% in 2001 to 9.6% in 2011.

### Education/Child Development

Under Mid Day Meal Scheme approximately 1,545 schools and 1,63,000 students in the state are benefited at a cost of Rs.1119.96 lakh. up to November 2011. 67,815 students were supplied with raincoats and notebooks and 17,233 students were supplied with uniforms.

Goa State Infrastructure Development Corporation has initiated the work of construction of 3 schools namely Government High School, Honda, Government High School Guleli and Government Primary School, Bhironda in Sattari Taluka.

Under the scheme "Providing Interest Free Loan to Purchase of Laptops to the Teachers of High & Higher Secondary Schools" approximately 2330 teachers from Secondary and Higher Secondary Schools are disbursed with interest free loans to the extent of Rs.40,000/- for the purchase of Laptops in the form of cheques by Goa Educational Development Corporation till November, 2011.

Under the Supplementary Nutrition Programme of ICDS Scheme, 62,817 beneficiaries (Children between 6 months to 6 years and pregnant and lactating mothers) have availed benefits upto October'11 as against the target of 65,000 beneficiaries.

50 additional Anganwadi centres have been sanctioned under 3<sup>rd</sup> phase of expansion of ICDS Scheme and have been made operational in the State during 2011-12.

## SCIENCE, TECHNOLOGY & ENVIRONMENT

Government has given preference to Science & Technology projects in the fields of rainwater harvesting, energy conservation measures, solid waste disposal, agriculture, biodiversity, sustainable management of natural resources, etc.

### Promotion of Information Systems in Science & Technology

Under this scheme extensive popularization of S&T programmes are undertaken including Astronomy popular science etc. Grants are provided to science Association/ Goa State Council of Science & Technology (GSCST) regularly for their activities and common facilities are provided in schools / institutions to cover maximum possible areas for promotion of information systems. Further funds are earmarked to be provided for setting up Research & Development (R&D) units, in order to promote private incentives in fields of Biotechnology, Information Technology, Pharmaceuticals, Nutrition and Medical Sciences etc. A technology incubator, besides a Research & Development (R&D) centre in biotechnology has been funded.

### Environmental Research and Ecological Regeneration

Environmental awareness programmes for the benefit of students and the community at large were undertaken in collaboration with the Directorate of Education and other Departments & Institution and deserving NGOs. Annual programmes such as World Environment Day and other events of environmental significance have been observed.

Support has been given to research projects, material needs and publicity needs contributing to adequate implementation of central and local environmental Acts/Legislations.

### Non-Conventional Sources of Energy

SPV + Wind Hybrid Non Conventional projects which are undertaken with the assistance of Goa Energy Development Agency (GEDA) in Government Institutions including Tourism and Public Health is taken up for maintenance including new installation. The Goa Renewable Energy and Education Park (GREEP) is in the process of being set up at Margao. Under this scheme the items distributed at subsidized rates is given in Table 10.1.

Table 10.1

Item	Unit	2011-12 (upto Nov'11)
Solar Cookers	Nos	91
Solar Street Lighting Systems	Nos	02
Compact Fluorescent lamps	Nos	15200
Improved Chulhas	Nos	56

### Integrated Rural Energy Programme (IREP)

IREP is an area based programme with the rural block as a unit of planning. At present 06 blocks in Quepem, Sanguem, Sattari, Pernem, Canacona and Bicholim are being covered under the programme. Emphasis is laid upon training demonstration and dissemination of information of the various types of Non Conventional Energy Gadgets. Thereafter Energy Saving Devices like Compact Fluorescent Lamps, Pressure Cookers and Kerosene Stoves are sold

at subsidized rates and gadgets like Solar Cookers, Sarai Cookers, Solar Home Lighting Systems, and Solar Water Heating Systems are being supplied under subsidized local rate. Under this scheme the items distributed at subsidized rates is given in Table 10.2

**Table 10.2**

Item	Unit	2011-12 (upto Nov 2011)
Compact Fluorescent Lamps	Nos.	9800
L.I.G. electricity connection	Nos.	04
Improved Chullas	Nos	185
Solar Cookers	Nos	427
Training programme for drivers	Nos.	41
Sarai Cookers	Nos	16
Biogas(NBMMP prog)	Nos	19

### Major achievements during 2011-12

Grant-in-aid has been released to Goa Engineering College, Farmugudi to take up the project on Development and Implementation of wirelessly connected mobile swarm Robots for collective task. Also funds have been provided to District Institute of Education and Training, Porvorim for conducting programme on Psycho-Science Mobile Laboratory of DIET.

Grant-in-aid is released to Aquem-Baixo Navelim Socio-Cultural Club, Salcete to conduct awareness programmes in Science and Technology in rural areas, especially for Tribal Students. Funds are provided to Padre Conceisao College of Engineering, Verna to take up the research project "Investigation on biogas generation rate from kitchen waste".

Year 2011 being celebrated as the 'International Year of Chemistry', a state level seminar was organized by the Carmel College of Women, Nuvem on the said subject with the financial support from Directorate of Science, Technology and Environment. Also scheme for

upgradation of Science laboratories in colleges and Higher Secondary (having science stream) in the State was notified.

Under the scheme "Upgradation of Science Laboratories", 57 institutions which includes Government and Government aided colleges and Higher Secondary Schools (having science stream) in the State have been provided with the financial grants aggregating Rs. 42.00 lakh for upgrading their existing laboratories. A youth convention on Environment and Development was organized with the technical support from Centre for Environment Education, Goa State office.

Various Nature Camps were organized in the State for school students and teachers as a part of environment awareness. This programme was organized by Nirmal Nature Club with financial help from the government.

The Goa State Council for Science & Technology (GSCST) was instrumental in organizing the Children's Science Congress 2011, while, the DST&E organized Science Fiesta, 2011 in February in collaboration with National Council of Science Museums, Govt. of India and the Goa Science Centre, Miramar.

Eco-friendly Ganesh Competition was organized by the Lokmat Newspaper in order to make awareness among general public regarding ban on Plaster of Paris Ganesh idols as well as encouraging minimum use of plastic material in decoration. This programme was financially supported by the government

Grants were released to Village Panchayats of Verna and Nagoa for taking up developmental works for abatement of pollution, specially in the tribal areas of concerned Village



Panchayats. Financial grants are released to Agnel Charities, Verna-Goa for setting up of comprehensive Garbage Management System at Agnel Technical Education Complex, Verna – Goa.

In order to invite Power Generation Companies for setting up of Non-conventional Power Generation plants by using available biomass and solar power, Goa Energy Development Agency (GEDA) has commenced the ground work for preparing documents for calling appropriate Expression of Interest (EoI) for the purpose.

Monitoring-cum-working-committee under the Chairmanship of Hon'ble Minister for Environment has formulated draft schemes for the purpose of providing incentives to the educational institutions to set up plastic and related production collection centre within school premises.

Also the village wise awareness programmes have already started on good practices on solid waste management.

A draft MoU has been vetted by the Law Department to sign with Bhabha Atomic Research Centre (BARC) for technology transfer to the State with regards to treatment of garbage, preservation of fruits and food grains. The same has been approved by the Government. The reply from Bhabha Atomic Research Centre (BARC) for signing the MoU is awaited.

As per the directives of the Government, Directorate of Science Technology and Environment is in process of obtaining comments from renowned Scientists and science educators in order to constitute the Goa State Golden Jubilee Best Scientist Award.

The Goa Water (Prevention and Control of Pollution) Rules, 1998 and the Goa Air (Prevention and Control of Pollution) 1989 are amended only for mining industry.

## INFORMATION TECHNOLOGY

### *e-Tendering*

In order to improve the transparency and expediency in Tendering process for all the Departments and Corporations, the Government has decided to implement e-Tendering Solution. All the tenders costing above Rs. 5.00 lakh will be hosted on the website [www.etender.goa.gov.in](http://www.etender.goa.gov.in) which also contains self learning cum training presentation and User/Vendor Manual for facilitating the users to use e-Tendering Solution in efficient manner.

### *Single Official Portal*

The State Portal along with e-Forms and State Service Delivery Gateway (SSDG) is available online on [www.goa.gov.in](http://www.goa.gov.in). State Service Delivery Gateway (SSDG) is an integrated infrastructure which will facilitate citizens to avail Government Scheme online anywhere anytime using internet and State Portal.

### *Mobile Service Delivery Platform (MSDP)*

MSDP has been set up to enhance the delivery of e-Services to the citizens through Mobile Phones which would be able to provide various schemes as well as status of application to the citizens on their mobile sets. The MSDP infrastructure deployed in Goa will be made available to Other State Governments & Union Territories for utilizing in the integrated manner for delivering services at door steps of the Citizens.

### *e-SMS Gateway*

Government has also set up e-SMS Gateway for the exclusive use of all the

State Departments in Goa. This is a first and formidable step towards delivery of information to citizens through mobile phones. Citizens can now look forward to receive various information services on their mobile which were till now available only on the internet. Through this Government is also trying to contribute towards a Green Initiative wherein by setting the e-SMS Gateway for setting up Meeting Alerts for Government Staff, it aims to reduce the usage of paper and reduce its carbon foot print.

### *Goa Broadband Network*

In order to extend (GBBN) connectivity to various Government Departments, PSUs, Educational Institute, and Corporation a Gap Infrastructure Project has been initiated. This will help to accelerate the growth and use of information technology in day today working of the Government offices. It will also help to deliver various online services to the business and citizens from the remotes/last mile offices.

### *Human Resource Management Services (MRHS)*

The Government has initiated Human Resource Management Services (MRHS) project for building Employees and Pensioners Database as per the recommendations of the 13<sup>th</sup> Finance commission.

This project would help in building the Employees and Pensioners Database which would keep track of the personal details of individual employees including calculation of salary, filing of PF returns, keeping track of attendance & other leaves, Service Books, etc. In order to empower ST/SC Communities using ICT tools, the Government provides IT skilled based training programmes. 1138 students have been trained in IT skills under this scheme.

## **FOREST**

### **Enrichment of the existing forests**

The State of Goa being a part of the Western Ghat, quality improvement of the existing forest by enrichment plantation is essential to maintain the biodiversity of the area. Enrichment is done by planting indigenous trees species. The activity under this scheme included raising of seedling, creation of enrichment plantation and maintenance of such plantation for 3 years.

### **Improvement of Wildlife Habitat**

In Wildlife Sanctuaries areas and reserve forests, works of habitat improvement are taken up, which includes creation of artificial water holes, gabion structure for soil moisture conservation, planting of grasses, planting suitable fruit bearing and other trees species as per the requirement, maintenance of the animal corridors etc. 5 rescue squads at different location of the State have been established to rescue wild animals entering human habitat / settlement area. In the process, more than 10,000 snakes besides other animals like leopard, monkey, deer and many birds have been rescued and released back in the wildlife protected areas.

### **Rescue of wild animals**

The Wildlife Rescue Squad operating conducts rescue operation for wildlife animals, which have strayed into human habitations. These animals are likely to be killed or mauled seriously, unless they are attended on priority and hence the squad has to be on round the clock duty. In many cases, the animals would require medical attention and these are administered in the Rescue Centers. It is always ensured that only those animals, which have restored their health

completely, are left back into the wild. The number of animals/birds rescued during 2010-11 is given in Table 10.3

**Table 10.3**

Sr. No.	Types	Nos
1	Reptiles (Snakes)	2634
2	Mammals	80
3	Birds	98
4	Crocodile	17
5	Monitor Lizard	18
6	Marsh Crocodile	12
7	Indian Pond Terrapine	2
8	Bee Hive	3
Total		2864

### Protection of Forests

Resources need to be mobilized for better protection of the existing forest cover. Various works like consolidation of boundaries of protected areas by construction of rubble wall and cattle proof trenches are achieved thereby protecting the forest from encroachment, grazing of domestic cattle fire etc. Regular patrolling with better mobility and modern communication devices etc. are done to prevent any forest / wildlife related crime.

### Promotion of Eco-tourism

Various activities are taken up under this scheme which includes improvement of forest roads, construction of wooden bridge and embankments for better movements of the eco-tourists, maintenance of Ecotourism complex and Eco villages etc. for accommodating eco-tourists.

A camping site at Collem has been developed during this period which attracts lot of visitors for Jungle stay. Local youth have been engaged in various activities thereby creating employment for them. 98 vehicles of the locals have been registered with the Forests departments for ferrying eco-

tourists to Bhagwan Mahavir National Park.

### Awareness Generation

Various programmes were held at village level and information in the form of Pamphlets published and distributed to educate people towards nature conservation. Mega tree plantation was taken up to have a mass movement for tree planting activities involving Panchayats, Educational Institutions, Religious Trusts, Corporations, NGOs, etc.

Funds have been released under 13<sup>th</sup> Finance Commission grants for maintenance of forest cover of the State for the year 2010-11. The same are utilized for construction of Rubble wall, Cattle proof trench, Gabion structure, Resoiling and drainage of forest. Also fund has been released under golden jubilee package 2010-11 for development habitat in Wildlife Sanctuaries and National Parks, for forest protection and development, creation of infrastructure.

### Turtle Conservation Programme

The conservation initiated by the Government has made significant impact because of the participation of local people in the whole exercise. A small turtle Information Centre and Control Room has been opened in Morjim beach. The data on Turtle Nesting for the year 2010-11 is given in Table 10.4

**Table 10.4**  
**Turtle Nesting for the year 2010-11**

Place / Site	Total no of eggs laid	Total no of hatchings released	Total no of unhatched eggs	Died
Morjim	342	189	153	44
Galgibag	1014	636	378	78
Agonda	838	621	292	75



**Major Achievements during 2011-12**

Efforts are been made to identify a site for construction of Van Bhavan office building. The construction work will be taken up by GSIDC once the land is identified and allotted to the Department. Management Plan for Wild life sanctuaries/National Parks: Master (layout) Plan for Bondla Zoo for long term development of the Zoo has been approved by Central Zoo Authority, New Delhi to be implemented over a period of 10 years. The Management Plan for Cotigao Wildlife Sanctuary is already prepared and approved. The draft Management Plan of the Bhagwan Mahavir Park, Mollem is also ready. The

Management Plan of Other Protected Areas is in Progress.

Harvesting of Maligini Plantation in Cuncolim Comunidade has been approved by the Govt. of India and harvesting work is being taken up.

The work of preparation of Road Map for development of Medicinal Plantation in Goa State has been given to a firm Foundation for Revitalization of Local Health Tradition (FRLHT) Bangalore and the work is in progress

## OTHER SECTORS

### SCHOOL EDUCATION

The state of Goa has recorded 87.40% literacy as per the Census 2011 (Provisional) compared to 82.01% as per Census 2001. Still lot is remaining to be done. While Goa's changing sociological and cultural scenario are keeping the education system in constant-improvization mode, the resultant changes have thrown up new challenges as well as dilemmas for schools, students and parents. The literacy rate as per different census from 1960- to 2011 is given in Table 11.1

**Table 11.1**  
**Literacy Rate 1960 to 2011**

Year	Literacy rate (per cent)		
	Male	Female	Total
1960	48.70	22.80	31.23
1971	54.65	35.79	45.31
1981	65.99	48.29	57.25
1991	83.64	67.09	75.51
2001	88.62	76.47	82.01
2011(P)	92.81	81.84	87.40

Under Mid Day Meal scheme approximately 1545 schools and 1,63,000 students in the state are benefited at a cost of Rs.1119.96 lakh. Upto November 2011, 67815 students were supplied with raincoats and notebooks and 17233 were supplied with uniforms. The expenditure incurred on both are Rs. 54.25 lakh and Rs. 9.98 lakh respectively.

The Goa Sarva Shiksha Abhiyan (SSA) attends to the problems of the children with Special Needs and has made efforts for bringing them in the normal school by providing various facilities. The Abhiyan has also offered

intervention in the innovative activities by providing Mathematics Kits to Government Upper Primary schools, Reading Corners to every Government Primary School in the State. Apart from this it has implemented schemes of free textbooks from Std. I–VIII, raincoats for children of Std. V and notebooks and project books to students of Std. VIII.

Under the Scheme, “Rashtriya Madhyamik Shiksha Abhiyan”, Ministry of Human Resource Development (MHRD) has sanctioned Rs. 54.05 lakh as 1<sup>st</sup> installment. An amount of Rs. 98,924/- per school has been disbursed to 74 Government High School for annual grant, minor repair and drinking water facilities. Under the centrally sponsored Scheme, “Integrated Education for Disabled Children”, MHRD has sanctioned Rs. 53,500/- towards setting up of Resource room for disable children in two schools for the year 2010-11.

Under the scheme, “Education of Children with Special Needs”, financial assistance is provided to children with special needs studying in recognized schools from Std. I to XII in form of Grant for books and Stationary, Uniform, Traveling Expenses and Escort allowances as per the entitlements. During the years 2011-12, 1575 students from 77 schools have been benefited. The expenditure incurred upto November, 2011 was Rs. 70.82 lakh. The number of teachers and enrollment of special schools for the year 2010-2011 is given in table 11.2

**TABLE: 11.2 - Enrolment and Teachers of Special Schools, 2010 – 2011.**

Sr. No	Name of Schools	Enrolment			Teachers
		Boys	Girls	Total	
1	2	3	4	5	8
1.	SANJAY SCHOOL FOR HANDICAPPED, ALTO BETIM, PORVORIM, BARDEZ 403521.	318	195	513	81
2.	KESHAV SEVA SADHANA, GOA'S SCHOOL FOR SPECIAL CHILDREN, BICHOLIM – GOA.	74	29	103	18
3.	DISHA CHARITABLE TRUST, BEHIND DIRECTORATE OF EDUCATION, 18 <sup>TH</sup> JUNE ROAD, PANAJI – GOA.	44	19	63	10
4.	SCHOOL FOR APPROPRIATE LEARNING PEOPLE'S EDUCATION TRUST, MALA, PANAJI – GOA.	26	20	46	3
5.	PEACE HAVEN FRANCISCAN HOSPITALLER SISTERS HOME & SCHOOL FOR MENTALLY RETARDED CHILDREN, CARANZALEM – GOA.	13	22	35	5
6.	ST. XAVIER'S ACADEMY, KADAMBA ROAD, OLD GOA.	97	49	146	24
7.	LOKVISHWAS PRATHISTHAN'S LATE MEENATAI B. THACKRE RESIDENT SCHOOL FOR DEAF & DUMB CHILDREN SHANTADURGA KRUPASHRAM, KAPILESHWARI, DHAVALI PONDA-GOA 403401.	35	24	59	14
8.	LOKVISHWAS PRATHISTHAN'S LATE MEENATAI B. THACKRE RESIDENT SCHOOL FOR MENTALLY RETARDED CHILDREN, SHANTADURGA KRUPASHRAM, KAPILESHWARI, DHAVALI PONDA-GOA 403401.	78	45	123	13
9.	LOKVISHWAS PRATHISTHAN'S LATE MEENATAI B. THACKRE RESIDENT SCHOOL FOR BLLIND CHILDREN, SHANTADURGA KRUPASHRAM, KAPILESHWARI, DHAVALI PONDA-GOA 403401.	19	6	25	6
10.	LOKVISHWAS PRATHISTHAN'S SPECIAL SCHOOL FOR MENTAL RETARDED CHILDREN, MOKHARD CANACONA.	17	9	26	4
11.	LOKVISHWAS PRATHISTHAN'S VIRANI-ISANI HIGH SCHOOL FOR DEAF & DUMB CHILDREN KAVLE, PONDA 403401.	35	24	59	14
12.	DADDY'S HOME SPECIAL SCHOOL NEAR MUTT SANKUL, GOGOL, MARGAO – GOA.	63	17	80	15
13.	GUJARATHI SAMAJ EDUCATIONAL TRUST FOR HANDICAPPED, NEAR MARUTI TEMPLE, AQUEM, MARGAO-GOA 403601.	123	80	203	23
14.	JYOT DAY CARE CENTRE FOR AUTISM CHILDREN SEVA SAMITI BUILDING, C/O ADARSH HIGH SCHOOL, PAJIFOND, MARGAO – GOA.	3	2	5	3
15.	CENTRAL COUNCIL OF GOA SOCIETY OF ST VINCENT DE PAUL SPECIAL SCHOOL, BATORA WADDO, CURTORIM – SALCETE, GOA.	9	8	17	1
16.	ASHADEEP SPECIAL SCHOOL, SADA, MORMUGAO – GOA	67	37	104	12
17.	FAIRYLAND SPECIAL SCHOOL, GOA VELHA, ILHAS - GOA	12	10	22	4
18.	ATMAVISHVAS SCHOOL, FOR SPECIAL CHILDREN NEAR COMMUNITY HEALTH CENTRE, MURMUSE TUEM.	35	16	51	6
	<b>TOTAL</b>	<b>1068</b>	<b>612</b>	<b>1680</b>	<b>256</b>

### Major achievements under the scheme for 2011-12

Provision of knowledge books and dictionaries were made to the SC/ST

and Minority children covering around ten thousand students of Std. VII and VIII in order to expose them to the world of knowledge outside the textbooks.

105 Government Upper Primary schools were equipped with 40" LCD TV with Computer connectivity and process for remaining 11 schools is underway.

687 school children from a total target of 714 children are covered by NGO's and Madrasas in their centres.

Teachers training programmes for awareness creation and sensitization of teachers and resource teachers was also taken up.

An amount of Rs. 20.31 lakh has been utilized towards intervention covering about 940 children with special needs.

Under Infrastructure Development Loan Scheme, new building of the Directorate of Education at Porvorim has been commissioned w.e.f. 22/08/2011. Three Government Primary school building i.e. Khareband, Aquem Alto, Margao and Motidongor, are completed and put to use. Goa State Infrastructure Development Corporation has initiated the work of construction of 3 schools namely Government High School, Honda, Government High School Guleli and Government Primary School, Bhironda in Sattari Taluka.

Under the scheme Integrated School Complex, land is provided to the schools/institution at Educational School Complex, Cujira Bambolim. The land is allotted to six schools/institutions (10,000 sq. mts. to each school) on a lease basis for 33 years namely Mustifund Sauntha, Dr. K.B. Hedgewar High School, Rosary Education Society, Vasantrao Dempo Higher Secondary School of Arts and Science, Voicuntrao Dempo Higher Secondary School of Commerce and

Anjuman Nurul Islam High School. The agreement for the same is entered in the month of August, 2011.

For the Development of Sanskrit Education government pays the amount of salary of staff, maintenance grant to the respective institution based on the audited statement submitted by the institutions receiving grants. At present 3 Sanskrit Institutions are receiving this grant.

Under the scheme "Providing Interest Free Loan to Purchase of Laptops to the Teachers of High & Higher Secondary Schools" approximately 2330 teachers from Secondary and Higher Secondary Schools are disbursed with interest free loans to the extent of Rs.40, 000/- for the purchase of Laptops in the form of cheques by Goa Educational Development Corporation till November 2011.

Under scheme of Vocationalisation of Education, at present, 15 vocational courses are provided in 45 Aided Higher Secondary Schools in the state with student strength of minimum 20 students for commerce based and 15 students for Agro based, Home Science and Technical based. Pre-Vocational courses such as (i) Elements of Home Science (ii) Elements of Agriculture and (iii) Elements of Engineering have been also introduced in 6 Secondary Schools. 5552 students have been benefited so far and an expenditure of Rs. 1132.47 lakh has been incurred upto November, 2011.

New Pre-Vocational Scheme for Std. IX & X has been introduced from this academic year onward. 22 schools have been permitted to introduce the same. However only 10 High Schools

have introduced the scheme benefitting nearly 300 students. Under the scheme “Bharat Yatra” 7 Schools have been given permission during the academic year 2011-12 till date.

Under the scheme “One time grant for aided Educational institutes/ educational societies”, 1 aided Educational institution that has completed 100 years of establishment have been approved for a grant of 50.00 lakh and an amount of Rs. 25.00 lakh has been released and rest will be released shortly. Similarly 1 more aided educational institution who have completed 75 years of establishment have been approved for a grant of Rs. 25.00 lakh for which amount will be released shortly. The remaining 3 applications are pending for want of documents.

Under the scheme “Non Formal Education” primary education is provided to street and drop out school children. One center is functioning at Assagao, Bardez run by El Sidai. The number of students enrolled during the last five year under this scheme is given in Table 11.3.

**Table 11.3: Non Formal Education**

Year	Number of Students Enrolled
2007-08	202
2008-09	242
2009-10	223
2010-11	254
2011-12	260

## HIGHER EDUCATION

There are four State Government Colleges at degree level in faculty of Arts, Science and Commerce, a college of Home Science at Panaji, College of Commerce and Economics at Margao and a Goa College of Music.

The four Colleges in Arts, Science and Commerce of the State help in taking Higher Education at the door step of rural population.

### Major Achievements during 2011-12

Plan for construction of new building for Government College of Commerce, Margao are being prepared by GSIDC.

Steps are being taken up to ensure that services of the Government are made people friendly. Government has provided online services to the students for applying the scheme of Goa Scholars and Interest Free Loan.

During this financial year 2011-12, 10 students have been selected as Goa Scholar under the chairmanship of Dr. Anil Kakodker, Former Director, BARC.

The State Government is also running the scheme to finance non-Govt. aided Colleges for the purpose of development maintenance and up-gradation of existing facilities in the Colleges. Altogether 14 institutions have availed the loan facilities amounting to Rs. 623.00 lakh.

Government of Goa has started the Goa State Innovation Council under the Chairmanship of Dr. Satish Shetye, Director of N.I.O., Dona Paula. The first meeting was held on 29<sup>th</sup> August 2011 at N.I.O. Dona Paula. Mr. Avasthi, Advisor to PMO and Mr. Chakrapani, Director of Centre for Innovation, Hyderabad attended the meeting.

Directorate of Higher Education in collaboration with Goa State Innovation Council and centre for Innovation practices (CIPS) has organized a seminar on Innovation Practices in

Education and Health.

There were 12 non-official delegates from Hyderabad and almost 157 participants from various parts of Goa have attended the workshop which was held on 17<sup>th</sup> & 18<sup>th</sup> November 2011. The new library building of Government College of Arts, Science and Commerce, Quepem was commissioned on 8<sup>th</sup> September 2011.

Government has disbursed an amount of Rs. 9.75 crore as loan to the eligible beneficiaries under the Interest Free Education Loan and out of these, Rs. 7.83 crore have been recovered till November 2011 and credited in the Government Treasury.

The Government has started special B.Ed course to the disabled children in the Nirmala Institute of Education, Altinho, Panaji-Goa. Around 20-25 students have been accommodated during 2011-12

### TECHNICAL EDUCATION

In pursuance of the approval of the Cabinet Committee on Economic Affairs as conveyed by MHRD, Government of India, the New Plan Project Scheme of Community Development Through Polytechnic is being implemented through the 3 Government Polytechnics and 2 Government Aided Polytechnics in the State of Goa to promote skill and Community/Rural Development through the application of Science and Technology under Centrally Sponsored Scheme.

The total amount sanctioned to 5 Polytechnics is Rs. 82.50 lakh. Under Skill development Training programme at Government Polytechnic, Curchorem, different types of courses conducted and number of trainees

enrolled for the year 2011-12 is given in Table 11.4.

**Table 11.4**

Name of the Course	No. of Trainees
Craft(Flower, Candle making & Embroidery)	20
Garment Making	40
Garment Making	32
Fabrication & Welding	13
Carpentry	15
Mobile Repairing	08
Craft(Bag making & Shell craft)	42
Computer Hardware	24
Fabrication & Welding	16
Four wheeler Mechanic	17
Beautician	50
Beautician	35
Embroidery	40
Garment Making	30
Cookery	40
Mobile Repairing	15
Electrician	30
Garment Making	100

### Other Achievements

Rs. 12.47 lakh has been sanctioned for Architectural Engineering (AE) Department for setting up of Digital Laboratory and Rs. 7.00 Lakh for Garment Technology for purchasing of Modern Machine at Government Polytechnic, Panaji. Cabinet approval is received for granting 100% Grants-in-Aid Salaries for the Government Aided Institute. To enhance resource mobilization, fees under various heads have been raised in Institutes for admissions to Professional Degree and Diploma Courses in the State

All relevant information pertaining to admissions to professional degree and diploma courses across the State is available on the website. Candidates are provided the facility to download and submit admissions forms. To facilitate candidates from South Goa District to submit application forms for admissions to Professional Degree and Diploma Courses, applications



receiving centre was operated at centrally located Ravindra Bhavan in Margao.

To meet the increased demand for technical education, seats in Professional Degree and Diploma Courses across the State have been enhanced. New B.E. Degree course in Mining Engineering with intake of 30 seats has been introduced at Goa College of Engineering.

In addition, 240 new seats are available for admissions of candidates in 4 B.E. Degree courses, at Don Bosco College of Engineering, Fatorda. New Post Graduate Degree courses in Engineering (Computer Science and Engineering) and Pharmacy (Pharmaceutical Chemistry and Pharmacognosy) have commenced during the year.

Over 1100 seats each in Professional Degree and Diploma level courses have been filled in an open, transparent manner, solely on the basis of merit. New building premises to accommodate Directorate of Technical Education is under construction.

### **Goa College of Engineering**

M.E. courses - Computer Engineering and B.E courses – Mining Engineering have started in academic year 2011-2012.

Work of supply, installation, testing and commissioning of 33 KV/440 V Indoor Dry type transformers (02 Nos), Work of renovation of college campus, construction of girls hostel, computerization of all sections of college and work of upgradation of Electrical Distribution network is in progress.

### **GOA COLLEGE OF ART**

To provide a sound base in the visual arts, the institution planned and provided the necessary infrastructure in order to assist academic staff in carrying out the academic programme including conducting workshops in Mural (Ceramics), Portraiture, Film making and editing, Landscape, Animation, Origami and Paper Engineering and various other subjects. Two Clubs were formed to promote and encourage students to experiment in various media such as Photography and Illustration.

The Photo Club organized a Photo Walk at student level to heighten the awareness of composition in photography while the Outdoor Activity Club held a Landscape Painting Competition for the college students. The Outdoor Activity clubs also planned a one day Landscape and Photography Expedition for all students. Students have also shown a noteworthy participation in Art and Cultural Festivals in the state.

### **GOA COLLEGE OF PHARMACY**

Approval for courses of D.Pharm, B.Pharm and M.Pharm- Quality Assurance, Pharmacology and Pharmacognosy was granted. A Medicinal plant garden is developed & is being maintained while computers and other training equipments including LCD projectors and laptops for training the students were acquired. Various instrument rooms, seminar rooms etc. were renovated and air conditioned.

### **ART & CULTURE**

The department has identified 10

services to be made online to the public and M/s. Spry Ltd. through ITG was entrusted the work of development of software for the services. As of now two services were fully deployed on the portal and the rest 8 services are in the final stage of deployment on the portal. The Restoration and renovation of Old Secretariat building to make it as centre for Art & Culture is at the finalization stage.

Golden Jubilee Celebration Advisory Committee with the Directorate of Art and Culture as Nodal Office for the celebration of 50 years of Goa's Liberation from 19/12/2010 to 19/12/2011 carried out yearlong celebrations including developmental activities throughout the State of Goa. Government organized all India Goa Liberation freedom fighters get together "Sneha Milan" in Goa and a 2 days thanks giving programme to the Freedom Fighters at Belgaum.

Various other programmes like Torch Rally on 18<sup>th</sup> December 2010 at Azad Maidan Panaji, Musical Programmes, plays, lectures of eminent personalities, seminars, workshops, etc throughout the year involving students and general public were organized. Rs.30.00 lakh was provided for upgradation and refurbishment of Hanumaan Natyagrah at Mapusa, and Rs.50.00 lakh for upgradation and reconstruction of Shri Damodar Vidyabhuwan, Margao. One time Golden Jubilee grant in the memory of "Blessed Mother Teresa" of Rs.25 lakh was provided to specified NGOs. One time Golden Jubilee grant was issued to Village Panchayats and Municipalities for creation of Basic Amenities and developmental projects. Under the scheme "Goa Bhadels Financial Assistance Scheme 2011"

one time financial assistance of Rs.25000/- was released to 136 Tribal bhadels each.

Government is providing financial support to voluntary Cultural organizations to develop and promote cultural activities and preserve cultural heritage in the state of Goa. Under "Regular maintenance grants" scheme 7 organizations were benefited and another 110 institutions were short listed during the year till November. The Special grants of Rs.150.00 lakh have been released to 140 professional group/institutions to encourage the organization of cultural activities in and outside the state. 100 more group/institutions are expected till the end of the year.

To promote performing arts in schools, 207 aided high schools and 8 Govt. High schools are receiving the grants towards the remuneration of music teacher. During the year additional 21 New Schools have been considered under the scheme. 14 Scholarships have been awarded to students for their advanced training outside Goa in the field of Art & Culture.

Under "Kala Sanman" scheme, financial assistance of Rs.186.11 lakh were released and 2058 artists were assisted while under the "Kalakar Kritadnatya Nidhi" scheme Rs. 3.10 lakh have been sanctioned to 24 Artists.

During the year, the department had organized Folk dance programme i.e "Ganesh Utsav Yatra" at different places in Goa. They also organized "Natyotsav-2011" Multilingual Drama Festival at Ravindra Bhavan, Margao and "Balotsav-2011".



Various other programmes were also organized such as Sangeet Sammelan at Devgad, Puppet Mask and Kathaputali workshop, assembly of young artists/students from various states including Goa, camp on Sea Shell Art, Wild Art workshop in Cotigao at Canacona, Wood Craft & Carving Workshop, Bharatnatyam dance under “ Horizon Series Programme” , Photography workshop, Matoli & Dekhava competition during Ganesh festival, and Musical event “ Pate de Fua” under Indian Council for Cultural Relations at Ravindra Bhavan.

Under the scheme of Promotion of Literature on Art & Culture one Konkani book of local author “Mhadhay Kalzatyan Kagdar” was released during the year. Under the scheme “Conduct Of Cultural Exchange/Shows/Celebration the following were organized: Painting and prints exhibition of contemporary artists and old master painters from Karnataka at Kala Academy, Deputed children from Goa for International Children’s Film Festival at Hyderabad, Deputed cultural troops at Kullu for Dussuhra festival, Lokrang festival at Jaipur.

“Gomant Vibhushan Award” was bestowed on the noted Architect, Planner and Social Thinker, Mr. Charles Correa. Under the scheme “Kala Gaurav” 50 Artists were facilitated at the end of the year. Under the scheme “State Reward” 20 personalities have been felicitated till date. Under the scheme “Best Cultural Institution Award” 1 Institution has been short-listed during the year.

During this year government organized a talk by Rev.Fr.Francis D.Britto (Eminent writer and social activist) on

the topic “ Susanvad Ghado Sada”, a talk by Dr.Abhay Bang on the topic “ Hya Jivanache Karu Kai?”. Two books on Bhausaheb Bhandodkar i.e. “Gaurav Granth” and “Bau-patratun Umajlele Ni Ulagadalele” were released. A Cultural programme of Sugam Sangeet “Swarajalee” was organized.

Under the scheme “Financial assistance for long term projects” financial assistance is released to 5 Major Cultural Institutions/Individuals for working in the field of Art & Culture from Goa towards long term projects.

The department has provided financial assistance to the high schools maximum to the extent of Rs.5000/- per year for purchase of Art material. 18 Amateur Groups/Artists in theatre faculty are benefited with grants to purchase “Theatre Related Equipment”.

The 10 days lokotsav (Folk festival) a national level annual feature of Art and Crafts was organized jointly by the Directorate of Art and Culture, Government of Goa and the West Zone Cultural Centre, Udaipur. About 300 craftsmen and 200 performing artist participated and presented the folk culture of India and Goa.

The construction work of the projects i.e. Ravindra Bhavans at Sanquelim and Baina – Mormugao are in full swing. The land acquisition for Ravindra Bhavan at Mapusa and Pernem is in progress while Government has also approved the construction of Ravindra Bhavan/Kala Bhavans at Valpoi & Canacona. The Renovation work of Institution Menezes Branganza is under progress. The new Central Library building was commissioned in

December 2011.

Besides giving grants to 85 NGO's and 44 Village Panchayat libraries the Government of Goa constituted "The Best Library & Best Librarian Award" Scheme envisaging grant of awards for one meritorious Library and two Librarians every year serving either in any government or government-aided libraries in the State of Goa which includes the Public/Academic/Special/Research libraries etc. each year.

### OFFICIAL LANGUAGE

"Scheme for Promotion of Sanskrit Language in Goa" with the prime objective to provide financial support to the institutions functioning for promotion of Sanskrit in Goa has been formulated.

### ARCHIVES AND ARCHAEOLOGY

The Government has started the computerization of the record holdings in order to preserve the records in digital and microfilm form. The process of computerization will be kept continuous so that the huge collection of records of the Archives is computerized and is saved for posterity. The work order for scanning, microfilming, data digitization and retrieval of Birth and Death records of all the talukas of the state of Goa has been placed and approximately 5,52,026 folios of Birth records of three talukas viz Quepem, Bardez and Salcete and around 1,87,381 folios of Death records of five talukas viz Mormugao, Ponda, Sattari, Canacona, Bicholim has been digitized.

The restoration work of the Chapel of Our Lady of Monte, Old Goa is

completed. The restoration/conservation work of the Fort of Santa Estevam, the Fortress of Reis Magos, entrusted to Indian National Trust for Art and Cultural Heritage (INTACH), New Delhi and Santa Anna Church at Talaulim is in the last stage of completion.

### NOTARY SERVICES

Government has completed the work of digitization of marriage records. The office of Civil Registrar-cum-Sub Registrar, Sanguem has been shifted to newly purchase premises in "Krishnakunj Building" at Sanguem. The newly created taluka of Dharbandora has been provided with new office of Civil Registrar-cum-Sub Registrar. The Revenue collected during last five year is given in Table 11.5.

Table 11.5

Sr. No	Year	Amount (Rs. in crore)
1	2007-08	50.48
2	2008-09	46.51
3	2009-10	41.90
4	2010-11	59.73
5	2011-12	41.95

### HEALTH SERVICES

Construction of New District Hospital, Margao is in progress. North Goa District Hospital is fully functional from 9/9/2011. Community Health Centre – Valpoi, ID Hospital – Ponda Construction work is completed and interior work is going on for the following: Primary Health Centre at Sanquelim and Bicholim, Primary Health Centre at Quepem, Balli and Siolim work. The work of extension to Pimary Health Centre at Cansaulim is entrusted to PWD. Rural Medical Dispensary at Thana is ready in all respect and handed over to Directorate

of Health Services which will be functional shortly. Rural Medical Dispensary at Keri-Sattari is constructed and fully functional.

Year wise number of children beneficiaries under five years of age that were administered Polio vaccine from 2004 to 2011 in the various rounds date-wise is given in Annexure 50.

Under the scheme "Janani Suraksha Yojana" married women above 18 years of age can avail of monetary benefit i.e. Rs 700/- for rural areas and Rs 600/- in urban areas if they belong to the BPL family or any woman of SC/ST community for the first two live births irrespective of their income incase of Government Institutional deliveries and Rs 500/- incase of home deliveries. In the current financial year 2011-12 (upto Oct 2011) 913 women have availed this benefit.

The number of cases under Mediclaim Scheme for the year 2010-11 was 1308. 153 cases were settled after getting necessary relaxation from the Government. The number of beneficiaries, disease-wise under Mediclaim scheme, in the last five years is given in Annexure 51.

Diabetes Registry was started from 24<sup>th</sup> June 2011. Till date data is collected of 6068 patients for Diabetes Registry and 5467 entries are made in Diabetes Registry software.

Under National Tobacco Control Programme, Special drives were conducted by the Police and the Food and Drugs Administration (FDA). Police fined 2021 people this year. FDA conducted 57 raids, booked 40 cases, seized Gutkha worth Rs.40.15

lakh under section 7, and filed 25 Cases in court of which verdict was given in 1 case.

District Mental Health Programme is carried out through a network of 6 Primary Health centres and 2 Community Health Centres have been identified for this programme. Mental health awareness camps were held at different primary health centers to create awareness and legal mental awareness campaigns are also being conducted to take care of and discuss legal difficulties of mentally ill patients. Total number of patients receiving treatment is 3326.

Emergency Management & Research Institute (EMRI) has been operating satisfactorily. This year from April 2011 to October 2011, 111729 calls were received and 21601 patients were treated.

As a preparedness measure for any eventuality/outbreak of diseases in monsoons an Emergency Control Room for DHS has set up in the year 2011 at Epidemiological cell, Directorate of Health Services, Campal-Panaji, Goa and two rapid Response Teams are been identified, one for each district.

### **National Programme for Control of Blindness**

The National Programme for Control of Blindness was started the year 1981 keeping in view the main objective of the National Programme to reduce Blindness incidences. The performance for cataract surgery over the last 3 years is shown in Table 11.6.

Table 11.6

Year	Target	No. of Cataract surgery (I.O.L)	Achievement in %
2008-09	7000	7226	103.23
2009-10	7000	7662	109.46
2010-11	7000	7437	106.24
2011-12	9100	3692	40.57

Hospital wise/PHC wise Patients examined for cataracts detected during the year 2011 -12 (up to October 2011) is given in Table 11.7.

Table 11.7

Name of the Hospital/PHC	Pt. Examined	Cataract detected
Asilo Hospital	8367	371
Hospicio Hospital	7210	1568
GMC	13301	-
Aldona	1155	172
Candolim	686	59
Bicholim	1686	176
Valpoi	627	42
Betki	2056	43
Ponda	2376	198
Curchorem	2042	113
Sanguem	1213	141
Curtorim	717	47
Corlim	1597	76
Cansaulim	628	89
Sanquelim	1191	116
Bali	2811	177
Canacona	1252	161
Chinchinim	1664	103
Quepem	486	36
Loutolim	96	30
Shiroda	186	54
Pernem	1391	116
Siolim	793	104
Chicalim	1373	120
<b>TOTAL</b>	<b>54904</b>	<b>4112</b>

### Environmental and Pollution Control Wing

1460 Water/Industries/Sewage effluent samples were analysed in the laboratory from 1<sup>st</sup> April, 2011 to 15<sup>th</sup> November, 2011 and the analytical fees collected were Rs.7,00,400.

### STD Control Programme

S.T.D. Programme closely co-ordinates with the Goa State AIDS Control Society (GSACS) and STD control measures are executed through the 3 main STD Clinics, CHCs, UHCs, PHCs. There is also a separate unit of Skin and STD and Venereal Disease department at Bambolim under Goa Medical College. The statistical data on STD control programme is given in Table 11.8

Table 11.8 (April 2011 to October 2011)

Sr. No	Items	Number
1	No. of STD Clinic under DHS	3
2	No. of STD Cases (excluding GMC)	2687
3	No. of old STD Cases	57
3	Conducted VDRL test on STD Patient	2128
4	Persons Found Positive STD Patients	27
6	Conducted VDRL test on Antenatal Patients	5874
7.	Antenatal patients found Positive	14

### AIDS Control Programme

The first reported case of HIV in Goa was in 1987. Since then there has been a steady rise in the reported number of HIV/AIDS cases. The sex-wise number of deaths reported due to AIDS during the last five years is given in Table 11.9.

Table 11.9

Year	Male	Female	Total
2007	67	42	109
2008	88	27	115
2009	91	49	140
2010	60	29	89
2011 (Sept)	38	23	61
<b>Total</b>	<b>564</b>	<b>256</b>	<b>820</b>

### GOA MEDICAL COLLEGE

The total bed strength of Goa Medical College (GMC) and its associated hospitals i.e. TB & Chest Diseases hospital at St.Inez, Rural Health Centre at Mandur, Urban Health Centre at St.Cruz is 1480 beds. The GMC has started earning income on use of Yatri Niwas by the relatives of the patients and through treatment provided to the disabled children in newly started Pediatric Neuro-Rehabilitation Centre. A construction of additional new Morgue for GMC, to increase storing capacity of dead bodies is in progress. GMC has started distributing Insulin for diabetes patients free of cost.

### GOA DENTAL COLLEGE

Total number of students passed out from B.D.S and M.D.S are 694 and 89 respectively (upto November 2011). The BDS and MDS admissions during the year were 40 and 11 students respectively. Total number of patients treated in the Hospital section for the year 2010-11 and ending upto 2<sup>nd</sup> quarterly of the year 2011-12 was 144972 out of which 603 were indoor patients. At present M.D.S course is run through 7 specialities namely Prosthodontics, Orthodontics, Oral Medicine and Radiology, Periodontics, Conservative Dentistry, Oral and Maxillofacial Surgery, Oral and Maxillofacial Pathology,

### SPORTS & YOUTH AFFAIRS

Under the scheme "National Games", various works such as land admeasuring 9,19,789 sq. mts. at Dhargal for Sports City and land admeasuring 3,398 sq. mtrs. at Sawalwada, Pernem for Access Road have been duly acquired. In keeping

with the State Sports Policy, the department has leased 5,255 Sq.mts. of land to the Goa Football Association in order to facilitate them to develop a standard Football Playfield with the required allied facilities for the players at their own Football ground at Duler, Mapusa and 19,075 Sq.mts. of land with Change Rooms and Spectator Stands at Cana Benaulim to Churchill Brothers Sports Club, one of the Leading Goan I-League Football Teams. The work of the construction of the Girls Hostel Building at Mapusa was duly completed and commissioned, while the work of construction of Swimming Pool at Sanquelim-Bicholim, a Multipurpose Hall with Squash Court at Chicalim and unique Sports Complex at Borimol Quepem with a Multipurpose Hall, a swimming pool and a Grass Football Playfield was duly completed and put to full use whereas the developmental work of the Taluka Sports Complex, Sanguem and Nanus – Sattari is in full swing.

Under the scheme "Development Of Government Village School Playgrounds", the Land Acquisition Process in 30 Villages is in progress whereas the land acquisition procedures in 10 Villages have been duly completed and possession of the land is taken over by the government. The developmental works of standard playgrounds are in full swing at Assagao, Kelbaiwada, Non-Mon Vasco, Coldem, Navelim, Fatrade, Varca, Macazana, Quitla-Aldona, Socorro-Porvorim, Honda, Velim inclusive of Multipurpose Halls at Sao Mathias, Diwar and Dongurli Thane. While the Phase – I works of the Government Village School Playgrounds at New Vaddem, Vasco, Kopardem, Mauxi-Zarme and Morlem,



Sattari, have been duly completed and put to use.

Under the scheme "Promotion of Scouts and Guides", special grants were released to the Goa Bharat Scouts and Guides Association, to promote this important Youth Movement amongst the Student Community as also for imparting Training to the Teachers as Scoutmasters and Guide Captains. Special Grants were also released for the deputation of the State Scout and Guide Contingents to participate in the National/International, Jamborees/Poacher Camps inclusive of Special State Camporees for Scouts and Guides.

Under the "National Service Scheme", the present strength of the volunteers for regular activities is 26,620 and for Special Camping Programme is 13,310.

Financial Assistance to sportsman/women in indigent circumstances was enhanced to Rs. 8,000/-, 5,000/-, and 3,000/- per month to the International, National and State Level Meritorious Sportspersons respectively with effect from the financial year 2010-11, besides enhancing the number of beneficiaries. Presently 31 Sportspersons are availing of the benefit of this unique scheme.

Under the scheme Tribal Area Sub Plan, the Department duly organized a Special Tribal Football Festival for Boys and Girls under 14 yrs at Don Bosco High School, Sulcorna, Quepem covering a total of 798 Tribal Youths while under the Inter State Exchange of Youth Scheme, the department deputed a State Tribal Youth

Contingent to Karnataka State comprising of 23 Tribal Youths.

During the year 2010-11 the prestigious "Dilip Sardesai Sports Excellence Award", was bestowed on Kum. Talasha Prabhu, ace International Swimmer and the only Goan to don India colours at the XIX Common Wealth Games 2010 at Delhi.

The Department organized the prestigious 57<sup>th</sup> National School Games in Football U-17 & U-19 Boys, Tug-of-War U-19 Boys and Girls, Squay Martial Art U-14, U-17, and U-19 Boys & Girls, Swimming & Diving U-14, U-17 & U-19 Boys & Girls, Sepak Takraw U-19 Boys & Girls under the aegis of the School Games Federation of India from 1<sup>st</sup> to 6<sup>th</sup> November 2011 at PJN Stadium Fatorda, Margao – Goa, wherein a total of about 4500 participants including Officials from about 32 States/Union Territories participated and Goa bagged 22 Gold, 11 Silver and 14 Bronze Medals.

The Department organized the prestigious XII<sup>th</sup> Advance Summer Coaching Camp with effect from 25<sup>th</sup> April to 15<sup>th</sup> May 2011 covering a total of 1500 Trainees in different age groups and sports events for Boys and Girls under the able guidance of expert experienced coaches and duly supported by a nutritious Diet and Scientific Back up at the unique Sports Sciences and Research Centre with the strong support of Expert Doctors/Scientists in Sports Medicine and allied Sciences. These camps were held at 8 different venues viz, Parye Sattari, St. Joseph HS Pernem, Peddem Sports Complex, Regina Mundi High School-Chicalim, Sports Complex-Ponda, Don Bosco Farm HS-Sulcorna, Govt. High School-Morpirilla

and Govt. Hr. Sec. School, Chauri Canacona for Boys and Girls in various age groups. Out of the 8 camps, 2 camps were specially organized for the Tribal students at Morpilla, Quepem and Chauri Canacona.

Special Refresher Courses were also organized for the Physical Education teachers of the Government and Non Government Secondary & Higher Secondary Schools in Goa in the new disciplines of Sepak Takraw, Squay Martial Arts and Tug-of-War as approved by the School Games Federation of India, from 01<sup>st</sup> to 05<sup>th</sup> August, 2011 in 3 different venues covering 350 teachers. Similarly the Inservice Orientation Course for the Physical Education Teachers from Government & Non Government Secondary & Higher Secondary Schools in Goa was organized at the Gomantak Maratha Samaj Hall in Goan Folk Dances & Goans Folk Songs, in preparation of presenting scintillating Goan Folk Dances depicting Goa's Rich Cultural Heritage, this year being celebrated as the Golden Jubilee Year of Goa's Liberation. Around 86 Physical Education Teachers, Teachers from Bal Bhavan, 20 accompanist and the Officials from the Department of Sports & Youth Affairs attended this special course conducted by Eminent Goan Cultural Resources Persons, namely, Mr. Lawrence & Mr. Kanta Gawda.

The scheme for release of Grant-in-Aid to the Non- Government Educational Institutions and Village Panchayats/ Municipalities who are interested in developing their own Sports Infrastructures, is being implemented most effectively, whereby grants upto Rs.20.00 lakh for playgrounds and Rs.40.00 lakh for Multipurpose Hall are

duly released to these Institutions on completion of the requisite formalities. Approximately 100 Institutions and 46 Village Panchayats have availed of these Grants and are nurturing the young talent by providing them with suitable Sports facilities right from the grass root level.

The District Level Competitions of women sports have also been conducted for 2 days for the major disciplines like Athletic, Volleyball, Hockey, Handball, Badminton, Table – tennis, Swimming, Basketball etc. The First six prize winners at the taluka level participate at the district level. The talented women & the first four prize winners at the District level can participate at the state level. The most talented women are selected for the National Women Sports Festival.

In order to give maximum exposure to the rural youth, the Sports Authority of Goa organized rural sports tournaments under Panchayat Yuva Krida Aur Khel Abhiyan (PYKKA), at the Taluka, District and State Level every year, wherein thousands of players participated in the competitions. During the year 2010-11 the team of talented sportsperson was deputed to participate in all India Sports tournaments, held at various places in the country.

### LEGAL METROLOGY

14 sets of Electronic Digital Working Standard Balances consisting of 50kg, 20kg, 2kg and 200g have been purchased. Under Grant in Aid, a Mobile Kit i.e. a Crane mounted on the Eicher ten wheeler vehicle alongwith twelve ton block weights is supplied by Legal Metrology, New Delhi, to the Department of Legal Metrology, Goa,

for calibrating and testing of weigh bridges and other weighing instruments of higher and lower capacity. One more Inspectorial Unit is created at Canacona Taluka to overcome the difficulty of the traders for verification purpose and also to take the drastic inspections under this jurisdiction of Canacona Taluka. During the financial year 2011-12 (upto October 2011) an amount of Rs. 100.09 lakh has been collected towards verification fees and Rs. 5,51,600/- towards compounding fees and booked 255 cases against the offenders.

### MUSEUMS

To popularize the museum various programmes such as Talks, workshops temporary exhibitions were organized for the students/visitors. Museum week was celebrated in the second week of January, 2012. Raw file of the old photographs of the year 1930 depicting art and culture of Goa during the period from museum collection was prepared, a photo documentation of Kala Academy collection and Framing of the paintings from Banerjee collection was done while the ancient sculptures of Nandi and Linga were acquired from Kudtari Salcette. On the foundation day of the museum (29<sup>th</sup> Sept. 2011), a programme "Tanka Naman" was organized to commemorate great deeds of freedom fighters who participated in Goa's Freedom Struggle.

### LABOUR & EMPLOYMENT

From January, 2011 to October, 2011, 4810 inspections have been carried out under different Labour Legislations and 16 prosecutions have been filed in the Court of Law against the defaulting

employers. 11 defaulters were convicted. 8 Industrial disputes were settled by way of conciliation by signing of agreements under Section 12(3) of the Industrial Disputes Act, 1947. 55 Industrial Disputes were referred to Industrial Tribunal cum Labour Court. 84 cases were disposed off before the Industrial Tribunal cum Labour Court. Under Workmen's Compensation Act, 1923, 13 Fatal and 7 Non fatal cases were disposed off amount of compensation disbursed being Rs.41.72 lakh and Rs.9.47 lakh respectively. Under the Payment of Gratuity Act, 1972, 2 cases were disposed off amount of compensation being Rs.0.17 lakh.

Wherever instance of less payment of minimum wages was noticed by the Inspector, the employers were made to pay the difference thereby giving relief to the affected workers. Universal Pension for Unorganized Sector "Rahat" Scheme for grant of Pension and Security in Old Age to Farmers, Labourers, Fishermen, Taxi Drivers, Motorcycle Pilots, Anganwadi Workers, Auto Rickshaw Drivers, and Seamen has been formulated and forwarded to the Government for necessary approval. During the year 2011-12, 02 Labour Welfare Centres were opened at Vaddem - Kurti and Assonora while Sewing Machines were distributed to the trainees of the Labour Welfare Centers of Cuncolim and Varca. Two services were brought online i.e Registrations and Renewals under the Goa Daman and Diu shops and Establishment Act, 1973 and the Motor Transport Workers Act, 1961.

### INFORMATION & PUBLICITY

During 2011-2012, the photo unit covered 1650 functions of VIP's and



dignitaries and supplied 30000 photos to the print and electronic Media. 205 video covering of functions of launching of Government Schemes and projects were recorded. Under the scheme of Assistance to Journalists to purchase Laptop, 29 Journalists were given benefits. 20 retired Journalists are availing the benefits of pension schemes and 7 families of deceased Journalists are availing family pension. Under Patrakar Kritayata Nidhi Scheme, 5 journalists were given financial assistance of Rs.2.85 lakh.

### **INSPECTORATE OF FACTORIES & BOILERS**

The incidence rate of accidents per thousand workers for all factories in the State is 0.95 which is much lower than All India Level. World Environment day and Occupational Health day was celebrated by conducting seminars on theme topics. Training programme was conducted on Occupational Health and Safety Audit in collaboration with National Safety Council in November, 2011. 1333 participants from industry and educational institutes were trained through programs conducted. Training programmes were conducted for drivers transporting hazardous goods by roads. To monitor occupational health in factory workers, health surveys of 359 workers were carried out through the Mobile Occupational Health Laboratory. 164 Factory Inspections and 176 Boiler Inspection were carried out during the period. 162 Factory Plans were scrutinized out of which 42 were approved and 13 new factory licenses were issued.

### **PRINTING AND STATIONERY**

As a part of occupational therapy programme, inmates of Central Jail

Aguada, protected homes and mentally ill persons were imparted training and were involved in various printing works. The department has decided to publish private vacancy notices by collecting advertisement charges in the "Goa Vacancy and Tender Bulletin" which earlier featured only Government Vacancies and Tenders notices. As a part of modernization of Printing press new technology machines have been purchased. To reduce time consumption and use of paper the department has started collecting publication material through on-line service.

### **FOOD AND DRUGS ADMINISTRATION**

The Government of India has recently enacted the Food Safety and Standards Act, 2006 integrating 9 various food legislations to ensure one point control on all the types of food products. Government has already commenced with effect from 12<sup>th</sup> September 2011 the registration and licensing of all food establishments operating in the State. The existing 22,000 food licensee which were operating under the earlier regime have been granted a period of one year to switch over to the new registration and licensing regime. Government of India has designed a standard template to ensure the computerization of all registration and licensing activities and for which the State of Goa has been selected in the pilot stage scheme and the said computerization module is installed in the Directorate this year. During the year 2011-12 (upto October ) 484 food samples and 592 drug samples were tested.

## SOCIAL SECURITY / WELFARE

Under “Dayanand Social Security Scheme” presently there are 1,17,192 beneficiaries under the scheme. For person having severe disabilities ranging from 90% & above, the quantum of financial assistance has been increased to Rs.3000/- per month.

Senior Citizens are entitled for various welfare measures like 50% concession in fare in KTC buses, 30% in railway fare to those who have completed 60years and 50% concession on air travel to those who have attained the age of 65years and above.

Under “Ummid” scheme, the Local Self Government and Non-Governmental Organizations are provided with financial assistance to run Day Care Centers for the Senior Citizens. 1 such Institutions have been opened for this year and till date grant in aid is released to 16 Institutions.

Financial assistance of Rs. 5000/- is provided to the Flower, Vegetable & Coconut vendors to upgrade their business activities and also to Motorcycle (Taxi) and Rickshaw (Taxi) Owner for repairs of the vehicle/ purchase of tyres /tubes, etc. During the year 2011-12, 3927 beneficiaries have been assisted.

Pension to Motorcycle Pilots in the age group of 41 to 59 years is provided with Rs.1000/- per month as a social security measure. 714 beneficiaries have been assisted during the year 2011-12.

## WELFARE OF SCs, STs & OBCs

Government provides incentives in the

form of stipends, meritorious scholarships, books etc. to SC/OBC students. During the year, 2220 OBC students were assisted.

Financial assistance is given to SC/OBC students studying at post matriculation or post secondary stage to enable them to complete their education. 357 SC students and 306 OBC students have been benefited. To have better relations, understanding and communal harmony amongst the SC and non-SC families by encouraging inter caste marriages, an award of Rs.1.00 lakh is given per couple when either spouse belongs to the Scheduled Caste community. 2 couples have been benefited in the current year.

There is sizeable Gouly (Dhangar) population living in remote areas of Goa where there is shortage of drinking water and water if available, storage facility is not available. Synthetic water storage tanks of 500 litre capacity were provided for 153 beneficiaries this year.

In order to improve the lifestyle and living conditions of Gouly/Dhangar families in Goa, domestic LPG connection is provided. It also minimizes the use of firewood, thus decreasing the pressure on forest and at the same time helping in maintaining pollution free environment. 217 beneficiaries have been benefited during the current financial year.

“Safai Karmachari” means a person engaged in or employed for manually carrying human excreta or for any sanitation work. During the year 2011-12, 193 children of Safai Karmacharis have been provided with pre-matric Scholarships.

Under “Rajiv Awas Yojana” the State Government has introduced Housing Scheme for families whose income is upto Rs.1.50 lakhs per annum. The quantum of assistance sanctioned is Rs.25,000/- for construction of new house & Rs.12,500/-for Upgradation. 131 beneficiaries under upgradation of houses have been assisted.

Under “Gomant Bal Rath” Scheme, 82 school mini buses & grant in aid have been released to provide transport facilities and support to the children of the Other Backward Classes Communities and Economic Backward Class who have their residential places in the remote areas from Taluka and District Headquarters.

Under the scheme “Financial assistance to Self Help groups” the objective of the scheme is to promote the Self Help Groups for undertaking any viable self employment activity. Under the scheme, an amount of Rs.25, 000/- is provided. 20 Self Help Group have been assisted during the year 2011-12.

### **WELFARE OF DISABLED**

15 litre of petrol/diesel is provided per month to the disabled person to attend the office from residence by his own vehicle, out of this 50% amount is born by the government and 50% born by the beneficiaries. So far 25 beneficiaries are assisted under this scheme. With a view to encourage normal person to accept differently abled persons as their life partner, financial assistance in the form of awards is given in such cases. During the year 2011-12, nine such cases have been covered.

Scholarships are granted to differently abled persons studying from Std.I onwards, to pursue their education properly. 172 students have been assisted during the year. Financial assistance is provided to person with severe disability, in order to promote economic self reliance among persons with severe disability by granting suitable financial assistance. During the year 2011-12, 15 such persons were assisted.

### **WOMEN & CHILD DEVELOPMENT**

One of the areas of concern for the State is the declining sex-ratio. As per the 2011 census there are 968 females to 1000 males. To address the falling sex-ratio in the State an incentive of Rs. 5000/- is paid under the “Mamta” scheme to mothers who delivers a girl child and under the Chief Ministers Girl child security Scheme called “Dhanalaxmi”, a fixed deposit of Rs. 25000/- will be opened in the name of the girl child which will be withdrawn only on attaining the age of 18 years of the girl child.

Under the ICDS Scheme a package of 6 services viz. supplementary nutrition, immunization, health check-up, nutrition and health education, referral services and pre-school education are provided to children in the age group of 0-6 years and pregnant and nursing mothers, through a well knit network of a sanctioned strength of 1262 Anganwadi centres. Under the Supplementary Nutrition Programme of ICDS Scheme, 62817 beneficiaries (Children between 6 months to 6 yrs and pregnant and lactating mothers) have availed benefits upto October’11 as against the target of 65,000 beneficiaries.

Under “Kanyadan” scheme, financial assistance of Rs. 25,000/- for the daughters marriage is given to those family whose annual income is Rs. 1.00 lakh or less thereby achieving the goal of upliftment of the down trodden. During the current financial year 1554 applicants have been sanctioned grants.

Under the scheme “Vastra Bhet”, one Saree and Dress Material is distributed to each BPL family and orphan women & children housed in various registered orphanages and shelter homes annually as a New Year’s gift. Around 23000 beneficiaries will be covered during the year 2011-12. Total numbers of beneficiaries covered during the year 2010-11 were 19000.

Retirement Benefit Scheme has been increased from Rs. 1.00 lakh to Rs. 2.00 lakhs for Anganwadi workers and from Rs. 50000/- to Rs. 1.00 lakh to Anganwadi helpers. During the year 2011-12 8 Anganwadi workers and 7 Anganwadi Helpers were benefited. Likewise, the honorarium has been increased from Rs. 1500/- to Rs. 3000/- of Anganwadi workers and for Anganwadi helpers from Rs. 750/- to Rs. 1500/- w.e.f 1.4.2011.

50 additional Anganwadi centres sanctioned under 3<sup>rd</sup> phase of expansion of ICDS Scheme have been made operational in the State during 2011-12.

7 Anganwadi centers have been constructed and another 6+16 (being constructed under NABARD assistance) are under construction which will be completed soon.

Presently, Apna Ghar is having 2 Observation Homes, 2 Special Homes and 2 Juvenile Homes for boys and girls separately. At present the strength of children in these Homes is 91 (42 Boys and 49 Girls). All the children’s are provided with education and rehabilitation programmes.

Girls/women rescued from prostitution are lodged in Protective Home-cum-Reception Centre. From April 2011 till date 11 women were admitted in the institution and rehabilitated.

## STATE INCOME

The State Domestic Product (SDP) and its related aggregates reflect the status of economic development of the State. The estimates of State Domestic Product, over a period of time depict the extent and direction of changes in the levels of economic development of the State. During the first four years of the Eleventh Five Year Plan (2007-08 to 2010-11) the State registered an Annual Average Compound Growth rate of 7.92 percent in its GSDP at constant (2004-05) prices as against the corresponding all India growth rate of 7.52 percent (base year 2004-05).

### Advance Estimates of State Domestic Product 2010-11

The advance estimates of Gross State Domestic Product (GSDP) and Net State Domestic Product (NSDP) at current and constant (2004-05) prices are given in table 2.1 below:

**Table 2.1**  
**Advance Estimates of State Domestic Product for 2010-11**

Item	(Rs in crore)		Per capita NSDP (Rs)
	GSDP	NSDP	
Current prices	35934	29483	168572
Constant (2004-05 price)	20922	17987	102844

### Gross State Domestic Product at constant (2004-05) prices

The GSDP at constant (2004-05) prices for the year 2010-11 (advanced estimates) is estimated at Rs. 20922.32 crore as against Rs. 19318.18 crore for 2009-10 (quick estimates) reflecting a growth of 8.30 percent. Sector wise growth of GSDP

for 2010-11 shows that Primary sector registered a negative growth of -1.46 percent, while Secondary and Tertiary sectors grew by 6.80 percent and 11.98 percent respectively. Under the sub-sector of primary sector, only mining and quarrying depicts a negative growth of -3.80 percent. Agriculture grew by 1.54 percent, Forestry by 2.51 percent and fishing by 2.09 percent.

Under the sub-sectors of secondary sector, unregistered manufacturing units registered the highest growth of 8.45% followed by electricity, gas and water supply, which grew by 7.06 percent. The sub-sectors, Registered manufacturing units and construction grew by 6.67 percent and 6.36 percent respectively.

Under the sub-sectors of Tertiary sector, Transport storage and communication registered the highest growth of 14.73 percent followed by Trade, Hotels and Restaurant (10.01 percent) and Community, Social and Personal Services (2.34 percent).

Sector wise composition of GSDP shows that Tertiary Sector accounted for 50.51 percent of GSDP followed by Secondary and Primary sectors which accounted for 38.20 percent and 11.30 percent respectively.

### Gross State Domestic Product at current prices

The GSDP at current prices for the year 2010-11 (advanced estimates) is estimated at Rs 35934.15 crore as



against Rs. 29517.60 crore for 2009-10 (quick estimates) reflecting a growth of 21.74 percent. Sector-wise growth of GSDP for 2010-11 shows that Primary sector grew by 27.69% while Secondary and Tertiary sectors grew by 16.00% and 22.87% respectively.

Under the sub-sector of primary sector, Forestry and Logging had the highest growth rate of 35.68 percent followed by Mining and Quarrying with 32.57 percent. Agriculture depicts a growth of 12.08 percent while fishing depicts a growth of only 3.86 percent.

Under the sub-sectors of secondary sector, only registered manufacturing units had a growth of only 6.90%. All other sub-sectors had a growth rate ranging between 28 to 30 percent.

Under the sub-sectors of Tertiary sector, Community, Social and Personal Services depicts the highest growth of 40.32 percent followed by Trade, Hotels and Restaurant which registered a growth of 23.82 percent. Transport storage and communication and the sub-sector of Financing and Business Services had a growth rate of 14.61 percent and 16.06 percent respectively.

The sector wise composition of GSDP at current prices show that Tertiary Sector accounted for 45.45 percent of GSDP followed by Secondary and Primary sectors which accounted for 30.82 percent and 23.73 percent respectively.

#### **Sectorial composition of GSDP at constant (2004-05) prices (2004-05 - 2010-11)**

The sectorial composition of GSDP at constant (2004-05) prices over the

period 2004-05 to 2010-11 is given in Table 2.2. It is seen from the table that the composition of primary sector in GSDP depicts a slight alternating up and down variation between 11 to 13 percent. In 2006-07 it accounted for 13.09 percent of GSDP, however in 2010-11 its composition dropped down to 11.30 percent of GSDP. The contribution of secondary sector to GSDP depicts a gradual downward trend from 42.54 percent in 2004-05 to 38.20 percent in 2010-11. On the other hand, tertiary sector depicts a gradual increasing trend in its contribution to GSDP over the years from 45.19 percent in 2004-05 to 50.51 percent in 2010-11.

**Table 2.2**  
**Sectoral composition of GSDP At constant (2004-05) prices**

Year	Sectors			GSDP
	Primary	Secondary	Tertiary	
2004-05	12.27	42.54	45.19	100.00
2005-06	13.37	41.45	45.17	100.00
2006-07	13.09	41.50	45.40	100.00
2007-08	12.59	40.99	46.41	100.00
2008-09	11.98	39.39	48.63	100.00
2009-10	12.41	38.73	48.85	100.00
2010-11	11.30	38.20	50.51	100.00

#### **Sectoral growth of GSDP at constant (2004-05) prices – 2008-09 to 2010-11**

Sectorial and sub-sectorial percentage change over previous year in GSDP at constant (2004-05) prices is given in table 2.3. It is seen from the table that the percentage change over previous year in case of most of the sub-sectors has seen ups and downs during the period 2008-09 to 2010-11. Most noteworthy is the Mining Sub-sector wherein the percentage change rose



from 17.77 percent in 2008-09 to 24.67 percent in 2009-10 and subsequently fell sharply to -3.80 percent in 2010-11. The sub sector "Other Services" depicts an almost steady percentage change over previous year of around 18 percent during the years 2008-09 to 2010-11.

**Table 2.3**  
**Sectorial growth rates of GSDP at Constant Prices**

Sector/Sub-Sector	% change over previous year		
	2008-09	2009-10	2010-11
Agriculture	-10.38	5.37	1.54
Forestry & Logging	11.22	-5.57	2.51
Fishing	-5.02	1.35	2.09
Mining & Quarrying	17.77	24.67	-3.80
Manufacturing	5.68	9.36	6.93
Construction	6.45	6.91	6.36
Electricity, Gas & Water Supply	2.60	9.57	7.06
Trade, Hotels & Restaurant	-6.63	10.63	10.01
Transport, Storage & Communication	31.48	9.84	14.73
Banking, Insurance, Real Estate and Business Services	12.40	11.43	9.52
Public Administration	11.32	8.64	2.34
Other Services	18.04	18.80	18.42
Gross State Domestic Product	10.00	10.63	8.30
Primary Sector	4.59	14.68	-1.46
Secondary Sector	5.70	8.77	6.80
Tertiary Sector	15.26	11.13	11.98

### GSDP and GDP – a comparison

A comparison of GSDP and GDP at current and constant (2004-05) prices is given in table 2.4. It is seen from the table that the growth rates of GSDP and GDP at current prices over the period 2005-06 to 2009-10 does not depict a wide variation except for the year 2008-09 wherein GSDP growth rate of the State was 29.89 percent as compared to the GDP growth rate of 15.09 percent. A comparison of GSDP and GDP growth rates at constant prices show a slightly higher variation

than that depicted at current prices. During the first three years i.e. in 2005-06 to 2007-08 GDP growth rate was almost stable at 9 percent while GSDP fluctuated from 7.54 percent in 2005-06 to 10.02 percent in 2006-07 and again dropped to 5.54 percent in 2007-08. In the subsequent years i.e. 2008-09 and 2009-10 GSDP growth at constant prices was almost stable at 10 percent and was also higher than the GDP growth rates of 6.58 and 7.92 percent respectively.

**Table 2.4**  
**Growth rates of GSDP and GDP both at current and constant (2004-05) prices**

Year	At current prices		At constant (2004-05) prices	
	GSDP	GDP	GSDP	GDP
2005-06	12.69	14.08	7.54	9.46
2006-07	15.33	16.52	10.02	9.50
2007-08	18.41	16.37	5.54	9.75
2008-09	29.89	15.54	10.00	6.54
2009-10	16.15	14.85	10.63	8.39
2010-11	21.74	16.93	8.30	7.88

### Per capita Income of Goa and India - a comparison

A comparison of per capita NSDP and NDP at current prices during the years 2004-05 to 2005-06 is given in table 2.5. It is seen from the table that the per capita income of Goa State during each year of the above said period, was higher than the national level by more than three folds.

**Table 2.5**  
**Per Capita Income at current prices (NSDP)**

Year	Goa		India	
	Amount (in Rs)	Growth Rate (%)	Amount (in Rs)	Growth Rate (%)
2004-05	76968		24143	
2005-06	84720	10.07	27131	12.38
2006-07	94882	11.99	31206	15.02
2007-08	108708	14.57	35825	14.80
2008-09	135966	25.07	40775	13.82
2009-10	148136	8.95	46117	13.10
2010-11	168572	13.79	53,331	15.64

# PUBLIC FINANCE

## State Finances

For last few years the global economy has seen a lot of instability. The period 2008-10 was a period of global recession and Goa was not spared from its effects. Revenue receipts as well as growth of the State were adversely affected. This is primarily due to the various external economic factors, on which Goan economy relies upon. However the year 2010-11 has shown signs of global recovery which has directly impacted economic growth in year 2011-12. The economy of the state as per 2004-05 prices has been growing at around 10 percent for last few years, except in 2007-08 wherein the growth rate stood at 5.4 per cent with the base year 2004-05 due to impact of global economic meltdown. The State Budget for the year 2011-12 was prepared, keeping in view the challenges faced by the state.

As per Budget estimates for the year 2011-12, the Revenue Receipts are estimated to be Rs 5061.39 crore as against Rs 4661.14 crore (RE2010-11). For the same period, the Revenue Expenditure is estimated to grow from Rs 4335.65 crore to Rs 5233.43 crore. The revenue Deficit is estimated to be Rs.172.03 crore and the Fiscal Deficit is estimated to be Rs 707.28 crore.

An attempt is made herein to analyse various financial parameters of the State.

### 1. Revenue Receipts

Revenue receipts of the State comprise of the following three components

- i) State's Own Tax Revenue,
- ii) State's Own Non-Tax Revenue and
- iii) Transfers from Government of India.

### i) State's Own Tax Revenue

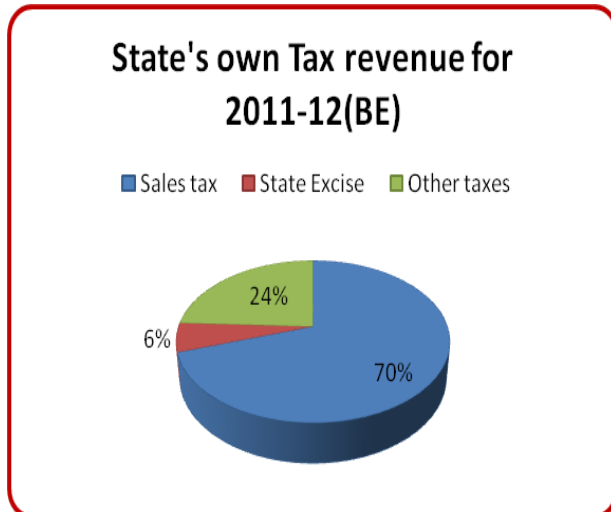
Own Tax Revenue of the state mainly comprises value added tax, state excise, stamp duty, registration fee and motor vehicle and passenger tax. The Trend in State's Own Tax Revenue from 2000-01 to 2011-12 is given in Table 3.1. It is pertinent to note that Sales Tax accounts for 70% of total tax revenue. During the period 2000-01 to 2011-12, the annual compound growth rate of state's own tax revenue works out to 15.62% while that of Sales Tax and State Excise works out to 14.86% and 12.57% respectively. In the current year, collection from Sales Tax and State Excise are expected to show a growth of 19% and 13% respectively.

**Table 3.1**  
**State's Own Tax Revenue 2000-01 to 2011-12**

(` in crore)

Year	Sales tax	State excise	Other taxes	Total
2000-01	387.82	39.98	87.49	515.29
2001-02	401.47	46.13	122.30	569.90
2002-03	439.19	46.78	116.84	602.81
2003-04	502.36	53.43	154.98	710.77
2004-05	567.19	55.33	233.92	856.44
2005-06	743.31	55.35	297.81	1096.47
2006-07	844.82	57.23	389.47	1291.52
2007-08	879.28	75.94	403.70	1358.92
2008-09	1131.64	88.70	473.21	1693.55
2009-10	1142.13	104.46	566.25	1906.07
2010-11 (RE)	1495.00	130.00	566.00	2181.09
2011-12 (BE)	1780.00	147.00	617.00	2544.26

Graph 3.1



### ii) State's Own Non Tax Revenue

Revenue from power and water supply are the major sources of non tax revenue of the State. The trend in State's Own Non Tax revenue from 2001-02 to 2011-12 is given in Table 3.2.

It is seen from the table that non tax revenue collection has also shown an increasing growth trend. During the period 2001-02 to 2011-12, the annual compound growth rate of revenue from state's own non tax revenue works out to 22.31%.

During the same period, the annual compound growth rate of revenue from power and water supply works out to 22.49% and 6.36% respectively.

As per the Budget Estimates for 2011-12, receipts from Power (Net) and Water Supply would account for 38% of the State's own non tax revenue. The State's endeavor towards resource mobilization is seen in the sizeable increase in receipts from Rs. 720 crore in 2009-10 to Rs. 916 crore in 2010-11.

This is due to the steps taken by the Government towards upward revision of all

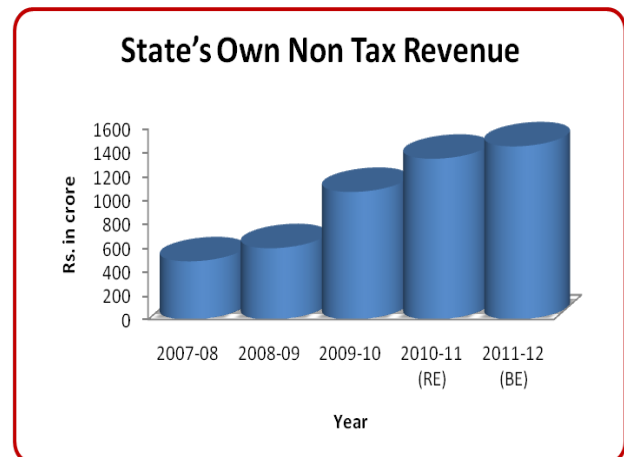
fees and fines on services under public domain by 100%.

**Table 3.2**  
**State's Own Non Tax Revenue**  
**1995-96 to 2010-11**

(Rs. in crore)

Year	Power (Net)	Water supply	Other	Total
2001-02	60.04	53.13	80.97	194.14
2002-03	193.58	55.71	80.40	329.69
2003-04	223.89	54.66	77.92	356.47
2004-05	225.28	54.95	89.64	369.87
2005-06	231.94	57.25	109.00	398.19
2006-07	215.12	58.09	177.08	450.29
2007-08	242.06	61.23	185.32	488.61
2008-09	350.70	65.76	182.55	599.01
2009-10	282.08	70.38	719.52	1071.98
2010-11 (RE)	363.12	71.79	915.69	1350.60
2011-12 (BE)	456.33	98.46	900.19	1454.98

Graph 3.2



### iii) Transfers from Government of India

Transfers from Government of India is classified into two categories viz. share in central taxes and central grants. It mainly depends on the recommendation of Finance Commission under Gadgil-Mukherjee formula, granted from Planning Commission and from Ministries/ Central Department. Transfers from Government of India from 2001-02 to 2011-12 is given in Table 3.3. During the period 2001-02 to

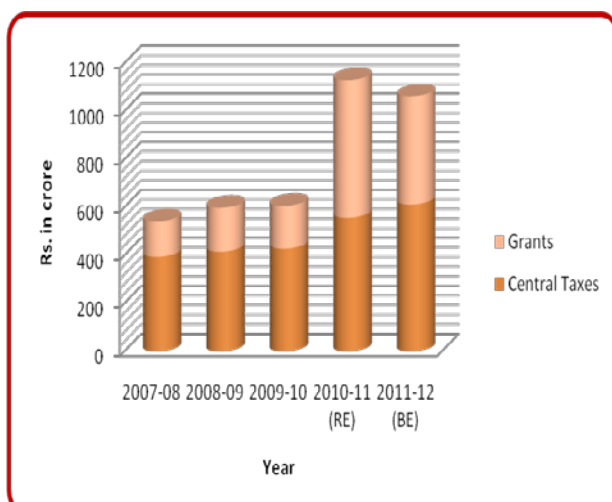
2011-12, the annual compound growth rate of Central Taxes & Grants works out to 19.03% & 22.47% respectively. It is observed that during the last two years, Transfers from Government of India show an increase of around 86% in 2010-11 (R.E) and decrease of -5.96% in 2011-12(B.E.) over its respective previous year.

**Table 3.3**  
**Transfers from Government of India**

(` in crore)

Year	Central taxes	Grants	Total
2001-02	107.26	59.29	166.55
2002-03	114.01	77.02	191.03
2003-04	135.07	52.55	187.62
2004-05	162.16	72.16	234.32
2005-06	244.72	66.52	311.24
2006-07	312.13	88.49	400.62
2007-08	393.72	148.45	542.17
2008-09	415.44	183.12	598.56
2009-10	427.42	179.31	606.73
2010-11 (RE)	556.59	572.86	1129.45
2011-12 (BE)	612.25	449.91	1062.16

**Graph 3.3**



Central Assistance in the form of grants flows to the states in three ways.

The first is as per the recommendation of the Finance Commission; second category is plan grants through the Planning Commission for the plans and by the Central Ministries for Centrally sponsored schemes and thirdly discretionary grants given by the Central Ministries to states on the Non Plan side.

States receive plan funds from the Central Government via support to States' Plans called Central Assistance (CA) or Additional Central Assistance (ACA) and via the Centrally Sponsored Schemes (CSS).

Grants for CSS are meant to supplement the resources of the Government, who are responsible for the implementation of these schemes and who are expected to contribute a matching contribution.

These schemes are designed by the Central Ministries, who then pass on the funds to the States from the central plan budget that the Ministries control. The outlay and nature of the individual scheme determined by the provision and guidelines attached to schemes are relatively flexible, and cannot be altered by the States.

The Government of India releases the funds under CSS through two methods viz treasury mode and society mode. In the society mode funds are sanctioned by the concerned administrative ministries and released by them. The funds are credited directly to the bank accounts of the concerned implementing Agencies of States.

The Year 2011 was the Golden Jubilee year of celebration of the State. During the year 2010-11 Government of India provided Rs 200 crore as one time Additional Central Assistance for the development. Besides, the Government of India provides central Assistance to the State for implementation of various

schemes and the developmental works. The details of Central Assistance, approved by the Planning Commission, Government of India are given in Table 3.4.

Funds received from Government of India during the period 2007-08 to 2011-12

registered an increase of 142.29 percent i.e from Rs.211 crore in 2007-08 to Rs. 512 crore in 2011-12.

The year-wise details of funds received under various broad categories during the period 2007-08 to 2011-12 is given in the Table 3.5.

**Table 3.4**  
**Details of Central Assistance**

(Rs in crore)

Item	2007-08	2008-09	2009-10	2010-11	2011-12
Normal Central Assistance	32.81	33.03	37.30	44.62	50.68
Additional Central Assistance	64.01	169.75	112.64	396.44	227.29
<i>AIBP</i>	15	25.00	25.00	44.00	32.11
<i>JNNURM</i>	6.63	60.00	40.00	50.00	50.00
<i>NSAP</i>	1.11	1.60	2.37	2.54	1.29
<i>NPAG</i>	1.06	1.06	1.06	0.00	0.00
<i>WGDP</i>	4.5	5.44	5.44	6.04	5.98
<i>Roads and Bridges</i>	8.18	8.43	10.54	5.87	6.48
<i>APDRP</i>	15.54	15.54	0.00	0.00	0.00
<i>TSP</i>	1.33	1.47	1.60	1.71	1.71
<i>RKVY</i>	0	2.70	11.87	24.06	64.30
<i>NE-GP</i>	2.55	37.39	1.05	0.43	3.63
<i>Grant in aid (article 275)</i>	0.61	0.62	1.71	1.79	1.79
<i>Onetime ACA</i>	7.5	10.50	12.00	260.00	60.00
<i>e-Governance</i>	7.5				
<i>Construction of Yojana Bhavan</i>		10.50			
<i>Projects related to National Games</i>			12.00		
<i>Golden Jubilee Package</i>				200.00	
<i>National Games</i>				35.00	35.00
<i>Art &amp; Culture</i>				10.00	
<i>Sewage Project</i>				15.00	
<i>Construction of Anganwadi Centres</i>					15.00
<i>Construction of Festival Media Centre-cum-auditorium</i>					9.00
<i>Reduction of IMR</i>					1.00
<b>TOTAL</b>	<b>96.82</b>	<b>202.78</b>	<b>149.94</b>	<b>441.06</b>	<b>277.97</b>

Source: Scheme of financing approved by Planning Commission

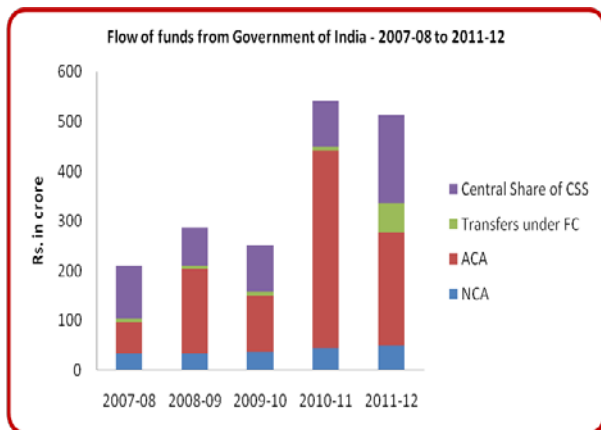
**Table 3.5**  
**Flow of funds from Government of India - 2007-08 to 2011-12**

(Rs. in crore)

Item	2007-08	2008-09	2009-10	2010-11	2011-12
Normal Central Assistance	32.81	33.03	37.30	44.62	50.68
Additional Central Assistance	64.01	169.75	112.64	396.44	227.29
Transfers under Finance commission	8.10	8.10	8.10	7.41	58.01
Central Share of CSS	106.25	75.31	93.25	92.46	175.67
<b>Total</b>	<b>211.17</b>	<b>286.19</b>	<b>251.29</b>	<b>540.93</b>	<b>511.65</b>



Graph 3.4



It is pertinent to note from the Table that fund transfer under Finance Commission registered the highest growth of 616.17 percent, followed by funds released under Additional Central Assistance with a percentage growth of 255.09 percent.

Releases under Centrally Sponsored Schemes and Normal Central Assistance show a percentage growth of 65.34 percent and 54.46 percent respectively. Besides the above said releases, Government of India released a Special Golden Jubilee Package of Rs 200 crore in 2010-11.

### Thirteenth Finance Commission

The Thirteenth Finance Commission has recommended the share of the states in central taxes and fiscal consolidation road map for the five years (2010- 2015). The states share in Central taxes is increased from 30.5 per cent to 32.0 percent. In the devoluble amount of central taxes (excluding service tax), the State's share is fixed at 5.199 percent, which is slightly more than that of 4.997 percent recommended by the 12<sup>th</sup> Finance commission.

Apart from the devoluble amount from central taxes, The Finance commission

has made recommendation regarding grants-in-aid to the states for specific purpose.

Thirteenth Finance Commission has given a special Goa Specific grant of Rs. 200 crore which includes Rs 100 crore for installation of sea barricades to enhance tourist safety and Rs. 100 crore for Mopa Greenfield Airport.

The total grants-in-aid awarded by the Thirteenth Finance Commission is Rs. 516.2 crore as against Rs 135.39 crore during the Twelfth Finance Commission which shows an increase of over 300%.

The Thirteenth Finance Commission has approved an amount of Rs 516.2 crore for various development works of which Rs 10.57 crore was released in 2010-11 and Rs 71.72 crore is approved for release in the current year 2011-12, the item-wise details of which is given in Table 3.6.

**Table 3.6**  
**Grants from 13<sup>th</sup> Finance Commission**

Item	(Rs in Lakh)	
	2010-11	2011-12
State disaster relief fund	296.00	311.00
Grants for capacity building	100.00	100.00
Grant-in-aid for		
a) elementary education	200.00	200.00
b) forest development	461.00	461.00
c) water sector	-	200.00
d) maintenance of roads and bridges	-	900.00
state specific needs	-	5000.00
<b>Total</b>	<b>1057.00</b>	<b>7172.00</b>

Source: 13<sup>th</sup> Finance Commission

The Net Budgetary transfer of tax revenue from the Centre during 2003-04 to 2010-11 is shown in Table 3.7.

Transfer of tax revenue from Centre has increased considerably from Rs. 556.59 crore in 2010-11 to Rs. 612.25 in 2011-12



registering a growth of 10% over the previous year.

**Table 3.7**  
**Net Budgetary Transfer of the Union Taxes and Duties to Goa**

(Rs. in crore)

	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Corporation Tax	36.78	46.13 (25.42)	67.57 (46.48)	97.43 (44.19)	124.97 (28.27)	136.28 (9.05)	175.93 (29.09)	225.57 (28.22)	248.13 (10.00)
Income Tax	21.92	29.69 (35.45)	47.63 (60.42)	59.16 (24.20)	83.88 (41.78)	85.55 (1.99)	98.00 (14.55)	120.92 (23.38)	133.01 (10.00)
Service tax	5.12	8.62 (68.35)	18.02 (109.04)	29.90 (65.92)	39.26 (31.30)	44.79 (14.08)	45.07 (0.63)	57.13 (26.75)	62.84 (9.99)
Wealth Tax	0.03	0.10 (233.33)	0.13 (30.00)	0.12 (-7.69)	0.14 (16.66)	0.14 (0.00)	0.40 (185.71)	0.15 (-62.50)	0.17 (13.33)
Customs Duty	28.93	32.55 (12.51)	47.71 (46.57)	60.89 (27.62)	74.43 (22.23)	79.41 (6.69)	59.83 (-24.65)	93.62 (56.47)	102.98 (10.00)
Union Excise Duty	42.29	45.08 (6.59)	55.35 (22.78)	64.65 (16.80)	71.05 (9.89)	69.27 (-2.50)	48.19 (-30.43)	59.20 (22.84)	65.12 (10.00)
<b>TOTAL</b>	<b>135.07</b>	<b>162.17</b> (20.06)	<b>236.41</b> (45.77)	<b>312.15</b> (32.03)	<b>393.73</b> (26.13)	<b>415.44</b> (5.51)	<b>427.42</b> (2.88)	<b>556.59</b> (30.22)	<b>612.25</b> (10.00)

(Figures in brackets indicate % increase/decrease (-) over previous year)

## 2. Revenue Expenditure

Revenue expenditure comprises Plan and Non Plan expenditure. About 69% of revenue expenditure is accounted for under Non Plan in 2011-12 (BE) and the annual compound growth rate in revenue expenditure works out to 16.27% during the period 2001-02 to 2011-12. The annual compound growth rate of Plan and Non Plan for the said period works out to 24.34% and 14% respectively. Trend in revenue expenditure under Plan and Non-Plan during the period 2001-02 to 2011-12 (BE) is given in table 3.8

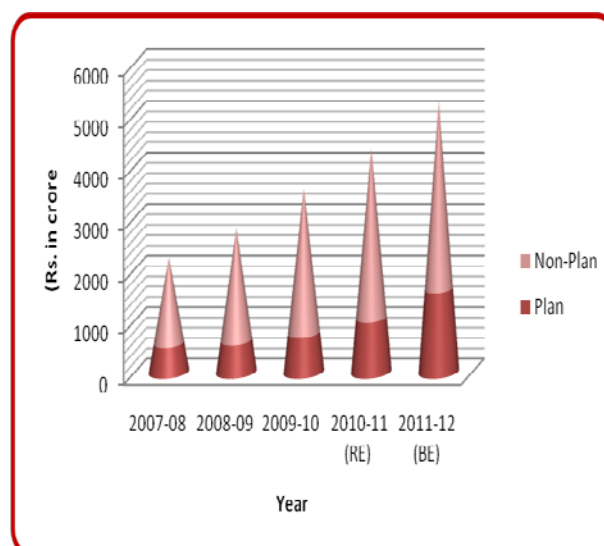
**Table 3.8**  
**Revenue Expenditure**

(` in crore)

Year	Plan	Non-plan	Total
2001-02	182.62	976.48	1159.1
2002-03	218.51	1072.07	1290.58
2003-04	283.99	1111.34	1395.33
2004-05	365.19	1218.63	1583.82
2005-06	414.68	1413.07	1827.75
2006-07	483.81	1517.17	2000.98
2007-08	565.29	1658.26	2223.55
2008-09	618.87	2169.40	2788.27
2009-10	762.36	2805.90	3568.26

2010-11 (RE)	1052.54	3283.11	4335.65
2011-12 (BE)	1613.10	3620.33	5233.43

**Graph 3.5**



Under Non plan revenue expenditure, expenditure on interest and pension is expected to go up during the year 2011-12 by 6% and 10.59% respectively over previous year.

However expenditure on salaries and other item is expected to increase by around 15%. Increase in expenditure on pension

is due to increasing number of retirement of employees on superannuation and also increase in interest burden is due to increasing debt stock. Increase in expenditure on salaries is mostly due to filling up of posts.

The year-wise and item-wise breakup of Non-Plan revenue expenditure is given in Table 3.9. It is evident that during the 2001-02 to 2011-12(BE) the annual compound growth rate in expenditure on salaries, interest and pension works out to 13.79%, 10.37% and 15.90% respectively and overall annual compound growth rate works out to 14.00% over the same period.

**Table 3.9**  
**Non-Plan Revenue Expenditure**

(` in crore)

Year	Salaries	Interest	Pension	Others	Total
2001-02	313.55	255.97	115.85	291.11	976.48
2002-03	280.32	291.86	137.89	362.00	1072.07
2003-04	319.93	320.85	93.53	377.03	1111.34
2004-05	352.79	322.99	118.30	424.55	1218.63
2005-06	367.70	400.36	132.64	512.37	1413.07
2006-07	395.77	426.81	130.78	563.81	1517.17
2007-08	467.15	446.86	144.39	599.86	1658.26
2008-09	670.79	509.80	219.75	769.06	2169.40
2009-10	898.18	582.62	349.42	975.68	2805.90
2010-11 (RE)	990.88	647.66	458.12	1186.45	3283.11
2011-12 (BE)	1141.33	686.29	506.62	1286.09	3620.33

### 3. Capital Expenditure

During the period 2001-02 to 2011-12(BE) the annual compound growth rate in capital expenditure works out to 20.72%.

The annual compound growth rate under plan and non-plan capital expenditure

works out to 21.91% and 16.00% respectively in the same period.

Capital expenditure comprises of expenditure incurred under Plan for development works and mainly debt repayment under Non-Plan.

The expenditure incurred on capital under plan and non-plan during the period 2001-02 to 2011-12 (BE) is given in Table 3.10.

**Table 3.10**  
**Capital Expenditure**

(` in crore)

Year	Plan	Non-plan	Total
2001-02	206.29	65.17	271.46
2002-03	215.91	74.06	289.97
2003-04	300.94	96.20	397.14
2004-05	425.54	172.27	597.81
2005-06	579.06	78.94	658.00
2006-07	621.90	85.87	707.77
2007-08	683.47	267.95	951.42
2008-09	898.02	194.00	1092.02
2009-10	1079.31	217.66	1296.97
2010-11 (RE)	1417.43	230.08	1647.51
2011-12 (BE)	1496.28	287.59	1783.87

### 4. Public Debt

The total public debt of the state as on 31<sup>st</sup> March 2010 stands at Rs. 6,077.33 crore. Public debt of the State is showing increasing trend. The position of the State's public debt as on 31<sup>st</sup> March for the period 2002 to 2010 is given in Table 3.11.

It is noticed that during the period the public debt has registered an annual compound growth rate of 16.22%. Major component of the public debt is central loan. It is seen that as on 31<sup>st</sup> March 2010 central loan constituted 56% of the State's public debt followed by SLR based market loans accounting for 39% and balance 5% constituted loans from PFC, NABARD, HUDCO, etc.

**Table 3.11**  
**Public Debt of the State as on 31<sup>st</sup> March**

( in crore)

Type of loan	2002	2003	2004	2005	2006	2007	2008	2009	2010
Central Loan	1179.25	1331.32	1542.50	1966.93	2547.85	3056.17	3539.42	3544.82	3384.65
Market Loans (SLR Based)	457.44	567.45	842.75	961.21	1026.93	1107.68	1477.35	1881.12	2398.80
Loans from LIC	36.63	34.64	32.65	30.66	28.67	26.68	2.27	22.7	20.71
Loans from NCDC	0.06	0.05	0.60	1.35	1.21	1.19	0.7	1.33	1.08
Loans from NABARD	19.99	20.92	33.31	28.39	24.31	18.18	12.34	77.36	158.56
Loans from REC	7.86	6.84	4.35	3.16	1.25	0.00	0.00	0.00	0.00
Loans from PFC	29.85	48.58	60.85	70.66	66.46	57.40	61.96	89.12	110.07
Loans from HUDCO	55.60	44.30	32.40	24.31	17.79	13.38	9.7	6.58	3.46
W&M Advances	39.29	87.00	65.76	0.00	0.00	0.00	0.00	0.00	0.00
Total Public Debt	1825.97	2141.10	2615.17	3086.67	3714.47	4280.68	5103.74	5623.03	6077.33

Source: Budget at a glance 2011-12

## 5. Deficit Indicators of the State

Various deficit indicators of the State for the period 2001-02 to 2010-11 (BE) are given in table 3.12. It is observed that fiscal deficit has slightly increased from Rs. -690.27 crore in the previous year to Rs. -707.28 crore while Primary shows a deficit of Rs. -20.99 crore.

**Table 3.12**  
**Deficit Indicators of the State**

Year	Revenue Surplus(+)/ Deficit (-)	Fiscal Deficit (-) (Net)	Primary Surplus(+)/ Deficit(-)
2001-02	-228.5	-423.53	-167.56
2002-03	-167.04	-374.99	-83.13
2003-04	-140.47	-430.34	-109.49
2004-05	-123.18	-549.92	-226.93
2005-06	-21.86	-580.57	-180.21
2006-07	141.45	-528.74	-101.94
2007-08	166.15	-540.8	-93.94
2008-09	102.85	-916.16	-406.36
2009-10	-127.20	-1242.04	-659.42
2010-11 (RE)	325.50	-690.27	-42.61

2011-12(BE)	-172.03	-707.28	-20.99
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From Table 3.12 it is seen that after enjoying a revenue surplus for three years from 2006-07 to 2008-09, a revenue for 2009-10 depicts a deficit of Rs. 127.20 crore & thereafter revised estimates for 2010-11 shows surplus of Rs. 325.50 whereas the Budget estimates indicates a deficit of around Rs. -172.03 crore.

## 6. State Plan Resources

Annual Plan of States is the plan outlay in the State Budget and includes Internal and Extra Budgetary Resources of Public Sector Enterprises and resources of Local Bodies. The budgetary resources for the plan include State's Own Resources (including Balance from Current Revenue (BCR) and Miscellaneous Capital Receipts (MCR), net budgetary borrowings and central assistance to State Plan. The

resources transferred from the Central Plan are not treated as part of the State plan. The size of the Annual Plan of the State is largely dependent upon the state's own resources. Various measures are

taken to mobilize financial resources by the Government. Scheme of Financing of Annual Plans approved by the Planning Commission from 2007-08 to 2011-12 is given in the Table 3.13

**Table: 3.13**  
**States Resources to Annual Plan**

Item	2007-08	2008-09	2009-10	2010-11	2011-12
State Government's own Resources	416.44	572.08	1027.42	1318.13	1845.65
	<i>29.12</i>	<i>32.92</i>	<i>45.87</i>	<i>48.64</i>	<i>55.59</i>
State Government's Budgetary Borrowings	803.08	826.14	925.99	808.10	919.36
	<i>56.16</i>	<i>47.54</i>	<i>41.34</i>	<i>29.82</i>	<i>27.69</i>
Central Assistance	96.82	202.78	149.94	441.06	277.97
	<i>6.77</i>	<i>11.67</i>	<i>6.69</i>	<i>16.28</i>	<i>8.37</i>
Resources of Public Sector Enterprises	87.70	106.16	106.16	108.35	183.87
	<i>6.13</i>	<i>6.11</i>	<i>4.74</i>	<i>4.00</i>	<i>5.54</i>
Resources of Local Bodies	25.96	30.49	30.49	34.36	93.15
	<i>1.82</i>	<i>1.75</i>	<i>1.36</i>	<i>1.27</i>	<i>2.81</i>
TOTAL	1430.00	1737.65	2240.00	2710.00	3320.00
	<i>100.00</i>	<i>100.00</i>	<i>100.00</i>	<i>100.00</i>	<i>100.00</i>

Figures in italics indicate percentage to total

It is seen from above table that the plan size of the state in the past four years has increased substantially each year.

It is pertinent to note that State's own Resources to finance the Annual Plans during the last four years has shown a substantial increase in each year. It has gone up from 29% of the Plan size in 2007-08 to 49% in 2010-11, thereby indicating the commendable efforts made by the Government in mobilizing its own resources to finance the plans.

### 7. Performance during Eleventh five Year plan & Annual Plan 2011-12

The projected outlay for the Eleventh Five year Plan 2007-12 is Rs 7816.39 crore (excluding Public Sector Undertakings & Local Bodies at 2006-07 prices. During the Annual Plans 2007-08 , 2008-09, 2009-10 & 2010-11 the expenditure incurred by the state is Rs 1224.50 crore , Rs 1574.50

Creore, Rs 1965.57 crore & Rs 2048.00 crore (unreconciled) respectively.

Thus the expenditure incurred during the first four years aggregates to Rs 6812.57 Crore. The utilization of outlay during first three years against agreed outlays stands at 83.92 %.

The outlay approved for the Annual Plan 2011-12 is Rs.3320.00 crore at current prices which is 22.51% more than the outlay for the year 2010-11. This comprises of State Plan schemes of Rs 3042.98 crore, Public Sector resources of Rs.183.87crore and Local Bodies resources of Rs. 93.15 crore.

The sectoral distribution of the projected outlay for Eleventh Five Year & outlay for the Annual Plan 2011-12 is given in Table 3.14.

The expenditure during the successive Annual Plans (excluding PSUs and LBs) has progressively risen from 14.44% in

2007-08 to 28.56 % in 2008-09, 24.84 % in 2009-10 and thereafter increased by 4.21% (Unreconciled) in 2010-11 as compared to the previous year.

The sector wise percentage allocation approved for the year 2011-12 show that Social Services accounts for 41.21 percent of the total proposed allocation followed by the sectors of General Services (15.21%), Transport (10.98%), Irrigation & Flood Control (8.03%), and Energy (6.12%).

A comparison of the percentage Sectoral outlays for 2011-12 with that of the Eleventh Plan projections depict a slightly more stress, now being laid on infrastructure development and Agriculture, as can be seen from the increase in the percentage allocation under the sectors of General Services, Irrigation and Flood Control, Transport and Agriculture and allied services. Approved Outlays and Actual Expenditure from Third Five Year Plan (1962-66) is given in the Annexure17.

**Table 3.14**  
**The Sectoral distribution of the projected outlay for Eleventh Five Year & outlay for the Annual Plan 2011-12**

Sr. No.	Sector	EFYP (2007-12)		Annual Plan 2011-12	
		Projected Outlay	% to total	approved outlay	% to total
1	Agriculture and Allied Activities	211.76	2.50	144.62	4.36
2	Rural Development	234.98	2.77	126.53	3.81
3	Special Areas Programme	23.10	0.27	14.56	0.44
4	Irrigation & Flood Control	579.74	6.83	266.59	8.03
5	Energy	830.08	9.78	203.30	6.12
6	Industries & Minerals	117.73	1.39	144.02	4.34
7	Transport	716.84	8.45	364.69	10.98
8	Science & Technology& Environment	315.33	3.72	79.33	2.39
9	General Economic Services	181.19	2.14	103.32	3.11
10	Social Services	3977.70	46.88	1368.12	41.21
11	General Services	1296.55	15.28	504.92	15.21
	<b>Total</b>	<b>8485.00</b>	<b>100.00</b>	<b>3320.00</b>	<b>100.00</b>

# INSTITUTIONAL FINANCE

## Banking

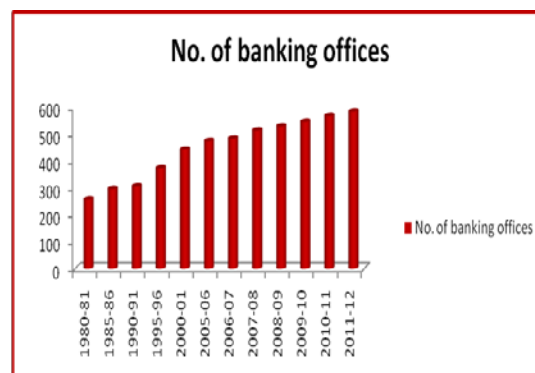
Goa has a well-knit banking system with as many as 586 banking offices as on 30<sup>th</sup> September, 2011. Presently there is a bank branch for approximately every 2500 people in Goa, taking into account the population of the State as per 2011 census. Latest data on State/Union Territory wise, average population served by a bank branch is available for the year 2009 which is given in Annexure 49. It can be seen from the annexure that Goa is the only State with a low ratio of 4148 population per bank branch (in 2009); all other States and Union territories had a ratio of above 5000 population per branch. This shows that Goa has the best banking services compared to all other states and Union territories in the country.

The number of banking offices in Goa steadily increased from a mere 5 in 1962, just after liberation, to 300 bank branches after it gained Statehood and further to 586 branches as on 30<sup>th</sup> September 2011. The number of banking offices in Goa is given in Table 4.1.

**Table 4.1**

Sl. No.	Year	No. of banking offices
1	1980-81	258
2	1985-86	297
3	1990-91	306
4	1995-96	375
5	2000-01	444
6	2005-06	476
7	2006-07	485
8	2007-08	515
9	2008-09	530
10	2009-10	547
11	2010-11	570
12	2011-12 (Sep.2011)	586

**Chart 4.1**  
**Banking Offices in Goa**



## Deposits

The aggregate deposits registered a phenomenal growth from Rs. 9.00 crore in 1962 to Rs. 26,045 crore in 2008-09 and to Rs. 34165 crore in 2010-11 and as on September 2011, the total bank deposits stood at Rs. 40617 crore.

Bank Deposits have seen an increasing trend over the last few years. Table 4.2 gives a brief idea of the increase in deposits from the year 1995-96 to 2010-11.

It is observed that the Bank Deposits saw an enormous rise in the year 2000-01 over 1995-96 wherein the growth recorded is approximately 127%. However as new investment avenues became more familiar with the investors, the Annual growth rate of deposits reduced to about 13% in 2009-10. However subsequently in 2010-11 the growth rate has gone up to 16%.

During the year 2008-09 domestic savings registered a Annual Growth of



30% while NRE deposits dropped to 3% as compared to the previous year. In the year 2010-11 the annual growth rate of domestic and NRE deposits stood at 17% and 10% respectively.

**Table 4.2**  
**Trend in Bank Deposits**

Year	Deposits ( ` in crore)			Per capita deposits
	Domestic	N.R.E.	Total	
1995-96	2803.72	910.59	3714.31	29318
2000-01	5889.52	2526.38	8415.90	62618
2005-06	14021.75	3730.91	17752.6	122152
2006-07	14882.00	4023.50	18905.5	128136
2007-08	16629.91	4445.74	21075.6	140704
2008-09	21746.74	4298.32	26045.0	171275
2009-10	24784.64	4721.11	29505.7	191099
2010-11	28979.90	5184.64	34164.5	234369
2011-12 (Upto Sep'11)	35497.81	5118.91	40616.72	

### Credits

Table 4.3 shows the trend in Bank Credits from the year 1980-81 to 2008-09. It can be seen that the growth in the Bank credits in 2009-10 over the previous year was 29.44% and consequently CD ratio has also increased to 32.7.

**Table 4.3**  
**Trend in Bank Credits**

Year	Credits ( ` in crore)	Per capita credits (In Rupees)	Credit-Deposit Ratio
1980-81	171	1698	44.9
1985-86	289	2537	36.1
1990-91	641	5479	39.2
1995-96	1248	9852	33.6
2000-01	2405	17896	28.6
2005-06	4255	29280	24.0
2006-07	5473	37100	29.0
2007-08	7351	49077	34.9
2008-09	7465	49088	28.7
2009-10	9662	62576	32.7
2010-11	11363	77950	32.61
2011-12 Upto Sept. 2011	10864		27.46

**Table 4.4**  
**Number of bank branches, Deposits and Credits**

As on 30 <sup>th</sup> September 2010				
Banks	No. of Branches	Deposits ( ` in crore)	Credits ( ` in crore)	C.D. Ratio
Nationalized	348	22230.03	6511.72	29
Private Sector	74	5059.83	996.21	20
Cooperative	134	2699.58	1496.81	55
<b>TOTAL</b>	<b>556</b>	<b>29989.44</b>	<b>9004.74</b>	<b>30</b>
As on 30 <sup>th</sup> September 2011				
Nationalized	367	31207.99	7781.76	26
Private Sector	96	6121.31	1138.75	19
Cooperative	123	3287.42	1943.46	59
<b>TOTAL</b>	<b>586</b>	<b>40616.72</b>	<b>10863.97</b>	<b>27</b>

The number of Nationalized Bank Branches increased by 5.46% over the previous year while in case of the Private sector banks the increase was by 29.73%. However in the case of Co-operative Banks there is a reduction in the number of its branches as compared to the previous year.

The percentage increase in Deposits for Nationalized Banks, Private Sector Banks and Co-operative Banks were 40.39%, 20.98% and 21.78% respectively. Similarly the percentage increase in Credits for Nationalized Banks and Private Sector Banks were 19.50% and 14.31% respectively whereas for the Co-operative Sector banks it was 29.84%.

The Credit Deposit ratio has decreased from 30 in September 2010 to 27 in September 2011. It is further noted that Cooperative banks topped the list as far as credit deposit ratio is concerned followed by Nationalized banks and lastly Private Sector banks with a credit deposit ratio of 19. It is observed that although deposits of nationalized banks increased by 40.39% their credits increased by only 19.50% as compared to that in the previous year. State-wise per capita deposits and credits as on March 2010 is given in Annexure 47. It

is seen from the Annexure that Goa State ranks 3<sup>rd</sup> at all India level as for per capita deposits is concerned, the first being Delhi followed by Chandigarh. However, in respect of per capita credits Goa State ranks 5<sup>th</sup> at the All India level with a per capita credit of Rs 43,956.

**Annual Credit Plan 2011-12**

The performance under Annual Credit Plan 2010-11 upto 30.09.2011 is given in Table 4.5 below. The district wise details of performance is given in Annexure 48.

**Table 4.5**  
Performance under ACP 2011-12 upto 30.09.2011  
(Rs. in crore)

Activity	Target	Achiv. upto 30.09.2011	% Achievement upto 30.09.2011
Agricultural Crop loans	99.13	42.38	43%
Agricultural Term loans	230.77	31.39	14%
Total Agriculture	329.90	73.17	22%
Industries	455.52	45.10	10%
Other Priority Services	1290.00	464.96	36%
Total	2075.42	583.83	28%

A comparative picture of the achievement under Annual Credit Plan 2010-11 and 2011-12 as on 30<sup>th</sup> September of the respective years is given in Table 4.6 below. The district wise details of performance is given in Annexure 49.

**Table 4.6**  
% Achievement under ACP 2010-11 and 2011-12 as on 30<sup>th</sup> September of the respective year

Sr. No.	Activity	% Achievement	
		30.09.10	30.09.11
1	Agricultural Crop loans	8%	43%
2	Agricultural Term loans	50%	14%
	Total Agriculture	33%	22%
3	Industries	17%	10%
4	Other Priority Services	72%	36%
	Total	55%	28%

The disbursement under crop loans was Rs. 42.38 crore upto September 2011 as against the annual target of Rs 99.13 crore, thereby registering an achievement of 43% of the annual target. The disbursements under crop loans increased from Rs. 8.28 crore as on 30.09.2010 to Rs. 42.38 crore as on 30.09.2011

The disbursement of crop loan in 2011-12 upto the quarter ending September 2011 is significant on the grounds that the average achievements during the last five years was only around 16% of the annual target. This increase in the achievement is attributed to the training imparted to 82 Rural Branch Managers of all banks on practical aspects of agriculture lending in the state. Moreover, the awareness camps held in cooperation with Zonal Agriculture officers of agriculture department have given a positive impact for the same.

The total disbursement under Agriculture Term loan was Rs. 31.39 crore, an achievement of 14% of the annual target as compared to 50% achievement during the corresponding period last year. The main reason for the shortfall is attributed to the attractive subsidy schemes of the State Government, wherein the farmers do not prefer to bank loans for high value long term investments.

The overall disbursement under Agriculture sector upto the Quarter ending September 2011 was Rs. 73.77 crore, an achievement of 22% of the target as compared to the achievement of 33% during the same period last year.

The disbursements under under Industry sector upto September 2011 was Rs. 45.10 crore, an achievement of 10% of the annual target for 2011-12. However

this achievement of 10% was lower than the achievement of 17% recorded during the corresponding period last year under the said sector.

The disbursements under Other Priority Sector was Rs. 464.96 crore against the target of Rs. 1290 crore, registering an achievement of 36%. However the achievement was much less in comparison to the achievement of 72% during the corresponding period last year.

The overall achievement under Annual Credit Plan 2011-12 as on September 2011 was only 28% as against 55% achievement in the corresponding period 2010-11.

### Review of Priority Sector Advances

Performance under Priority Sector Advances, DIR and Weaker Section Advances etc. as on 30/09/11 is given in Table 4.7

Table 4.7

(Rs. in crore)	
Parameter	As on 30.09.11
Total Deposits	40616.71
Total Advances	10863.96
C.R Ratio	27%
Total Priority Sector Adv	4835.18
% of Priority Sector Adv to Total Adv	44
DIR Advances	0.73
% of DIR Adv to Total Adv	0.07
Weaker Section Adv	655.57
% of Weaker Section Adv. Total Adv.	6.03
SC/ST Advances	124.83
% of SC/ST Adv to Total Advances (% of SC/ST population 18%)	1
Advances to Women	1155.06
% of Adv to Women to Total Adv.	1063
Direct Agriculture Advances	267.53
% of Direct Agri Adv to Total Adv	2.46

The total advances level as on 30.09.211 was Rs. 10863.96 crores, which represents an increase of

Rs.1859.22 crore i.e. 20% over last year level of Rs. 9004.74 crores i.e. as on 30.09.2010.

The level of total priority sector advances as on 30.09.2011 was Rs 4835.18 crore i.e. 44% of total advances. The level has decreased by Rs.1328.94 crores over last quarter. The percentage of priority sector advances was above the stipulated level of 40%

The level of DIR advances was Rs.0.73 crore as on Sept quarter end and the level has increased by Rs. 0.12 crore over the level of 31.03.2011

The level of advances to weaker sections has increased by Rs.195.25 crore i.e. from Rs. 460.32 crore as on 30.09.2010 to Rs .655.57 crore as on 30.09.11. In percentage terms it has increased from 4.06% to 6.03%. However, it is much below the branch mark level of 10%.

The advances to SC/ST as on 30.09.2011 were Rs.124.83 crore, registering an increase of 78.27 crore over last quarter end.

The advances to women were Rs. 1155.06 crore as on 30.09.2011. It has increased by Rs.171.27 crore over March 2011 levels. The percentage of advances to women was 10.63% of the total advance, as on 30.09.2011 and was well above the branch mark level of 5%.

The direct advance to agriculture, were Rs. 267.53 crore which have increased by Rs 50.53 crores over March 2011 level of Rs.217.00 crore. Direct advance to agriculture were 2.46% of total advances. The percentage of direct agriculture advances to total advances

continued to be very low as against the benchmark level of 18%.

### Credit Deposit Ratio

The advances level as on 30.09.2011 was Rs. 10863.96 crore. The advance level has decreased by Rs. 257 crore up to the quarter ending September, 2011. on the other hand the level of deposits as on 30.09.2011 was Rs 40,616 crore. The level of deposits increased by Rs 6452 crore up to the end of the quarter ending September, 2011.

The C: D ratio in respect of both the districts of the State and for the State as a whole was below 40%. Steps have been taken by SLBS, banks and Government to improve the CD ratio of the State. These steps include formation of Special Sub Committee (SSC) at both the districts to suggest strategies for improvement in CD ratio, constitution of a Special Task Force on improvement in CD ratio of the State on 09.04.2010 as per the directives of RBI and monitoring of the progress in implementation of the action plan suggested by the Special Task Force.

### NABARD

NABARD was set up by Government of India as a development bank with a mandate of providing and regulating credit and other facilities for the promotion and development of agriculture, small scale industries, cottage and village industries, handicrafts and other rural crafts and other allied economic activities in rural areas with a view to promoting integrated rural development and securing prosperity of rural areas and for matter connected therewith of incidental thereto. The following are the objectives of NABARD

- Facilitate credit flow for agricultural, rural infrastructure and rural development,
- Promote policies, practices and innovations conducive to rural development
- Strengthen rural credit delivery system through institutional development
- Supervise Rural Financial Institutions (Cooperative Banks and RRBs)

### Credit Planning

NABARD prepares Potential Linked Credit Plans (PLPs) of all districts in a State with the objective to map the potential available, assess the gaps in infrastructure which need to be bridged and marketing support available to channelize credit into sectors with growth potential, within a specified timeframe. This entails meaningful link between developmental planning and the process of credit planning for supporting agriculture and rural development. It may be mentioned here that from the year 2006-07, RBI has decided that the Annual Credit Plans of the districts would be based on the PLPS prepared by NABARD.

The PLPs, 2012-13 for both the districts, viz North Goa and South Goa district have been prepared and the projections were to the tune of Rs.1644.25 crore and Rs.1170.76 crore, respectively.

Further, NABARD prepares State Focus Paper (SFP) based on the projections of the PLPs of all the districts in a State. The SFP, 2011-12 for the State of Goa has been prepared and the aggregate projections are to the tune of Rs. 2815 crore.

The State Credit Seminar is organized by NABARD in all the States including

Goa on annual basis, where the projections of the SFP are discussed with the various line Departments of the State Government and the Bankers so as to ensure credit off take commensurating with the potentials identified in the districts.

### Ground Level Credit

The agency- wise and broad sector wise Ground Level Credit flow in the State during the last three years is furnished in the table 4.8.

**Table 4.8**  
**Agency-wise Ground level credit flow**

Year	CBs	SCB	Others	Total
2008-09	853.65	89.14	244.19	1186.98
2009-10	1203.68	74.21	260.13	1538.02
2010-11	1406.83	79.14	268.11	1754.08

**Table 4.9**  
**Broad Sector wise Ground level Credit flow**

Year	Crop Loans	Agri. & Allied Activities	NFS	Service/ Trade	Total
2008-09	19.44	73.48	376.56	717.50	1186.98
2009-10	20.35	101.85	150.51	1265.31	1538.02
2010-11	22.52	143.08	156.90	1431.58	1754.08

The trend in the Ground Level Credit flow in the State has been increasing consistently. During 2008-09, The GLC flow had shown only a marginal increase of 3.35% over that of previous year which may be attributed to the overall slowdown of the economy. However, during 2009-10, the GLC flow had increased considerably by almost 30% and during 2010-11, it increased by 14.05%.

### Business Operation

#### Refinance Support to Banks

The State had been availing need-based refinance from NABARD to augment

their resource for financing various activities under farm and non-farm sectors. The details of the sectoral distribution of refinance to various banks by NABARD from 2008-09 to 2010-11 are given in table 4.10.

**Table 4.10**  
**Sectoral distribution of refinance to bank by NABARD**

SECTOR	2008-09	2009-10	2010-11
Minor Irrigation	5.80	0.25	0.00
Land Development	3.42	2.85	37.38
Farm Mechanisation	0.65	7.10	0.00
Planning / Horticulture	0.00	0.00	82.49
Dairy Development	6.29	14.03	19.60
Poultry Development	0.00	3.61	41.27
Sheep/Goat/Pig Rearing	0.00	0.00	3.12
Bio-Gas	0.00	0.00	0.00
Fisharies	20.01	53.46	29.58
IRDP /SGSY-FS	0.00	0.00	0.00
IRDP/ SGSY-ISB	0.00	0.00	0.00
Other (incl SHG,PMRY,etc)	34.50	12.00	2.44
Sub Total	70.67	93.30	215.88
Non Farm Sector	1630.07	8070.59	126.22
Grand Total	1700.74	8163.89	342.10

#### Loans to State Government

In the context of accelerating the overall growth rate, the development of rural infrastructure assumes crucial importance and again this background, RIDF was set up in 1995-96. As regards operationalisation of RIDF in Goa, NABARD has extended financial support to the State Government under Rural Infrastructure Development Fund(RIDF) for investments in rural infrastructure projects taken up by the Public Work Department, Water Resources Department, Department of Education, Women & Child Welfare Department etc. An aggregate cumulative amount of Rs. 449.24 crore has been sanctioned in respect of 166 works/projects in the state, of which an amount of Rs. 309.80 crore has been availed by the State



Government so far. Out of the total 166 projects sanctioned under various tranches of RIDF, 147 have been completed so far, six projects are ongoing and the remaining 13 projects have been dropped on account of various reasons. The irrigation projects sanctioned under RIDF have provided assured irrigation in an estimated area of 21,969 ha. and resulted in increased demand for credit in the project areas. The roads and bridges projects had provided better connectivity to 202 villages and 95 marketing centers. The above projects are expected to create more the 6000 recurring job with 250 lakh non-recurring man-days.

As against the Normative Allocation for new schemes is Rs. 80.00 crore for the State under RIDF-XVII (2011-12), the State had submitted only one project amounting to Rs. 64.12 crore which has been sanctioned by NABARD. So far, an amount of Rs. 12.23 crore has been disbursed to the state Govt. (upto December 2011) in respect of on-going project in the State.

### *Agriculture Debt Waiver and Debt Relief Scheme, 2008*

The scheme has been implemented in Goa. As regards Short Term Cooperative Structure, the Goa State Cooperative Bank Ltd. has implemented the scheme through its branches and affiliated PACS. The amounts released to the GSCB Ltd including that under Grievance Redressal Mechanism (GRM) stood as under:

Debit Waiver	478.46 lakh
Debit Relief	18.25 lakh
Total	496.71 lakh

### *Interest Subvention*

The Interest Subvention Scheme of Government of India for providing Crop loans to farmers @ 7% interest p.a (upto Rs. 3 lakh per borrower) is being implemented by NABARD. The Goa SCB submitted crop loan interest subvention claim for the year 2010-11 amounting to Rs. 5.14 lakh which has been released to the bank.

### *NABCONS*

NABARD offers consultancy services through a subsidiary, i.e NABARD Consultancy Services (NABCONS). It also takes up techno-economic feasibility studies and potential surveys, detailed project formulation and third party monitoring and evaluation of the development projects and investments, etc. During the year 2011-12, workshops/ Sensitization Programmes have been conducted on "Agri-Marketing infrastructure (AMI), Grading & Standardisation" at Panaji for the Government Departments and at Margao for the members of the Farmer's Clubs.

### *NABARD Infrastructure Development assistance*

Under the Scheme, NABARD supports creation of rural infrastructure by providing assistance to the state governments, outside RDF borrowing and on flexible terms and other State owned organizations through direct financing based upon risk appraisal of the specific project. The eligible institutions are State run Corporations, Civil Supplies Corporation, Road Transport Corporation, State Warehousing Corporation, Milk Producer's Federation, Power Corporation, etc.



### *Rural warehousing Scheme*

Given the importance of Food Security in the Country Government of India has allocated Rs. 2000 crore for establishment of warehousing infrastructure. The assistance is provided to State Govts./ Agencies owned and supported by Central /State Govt./Cooperatives, etc. It has now been decided to extend financial assistance by way of refinance and of this allocation to the bank to finance establishment of warehousing infrastructure. The refinance is available to the bank @ 8% and NABARD will provide interest rate rebate @ 1.5% to those borrowers who repay their loans along with interest strictly in accordance with the repayment schedule prescribed by the bank.

### *Financing PACS through RRBs and Scheduled Commercial Banks (only public Sector Banks)*

NABARD has introduced new product of lending to PACS through RRBs and Scheduled Commercial Banks (only Public Sector Banks) for financing the SAO requirements of farmers. The Credit will be sanctioned to these banks who in turn will sanction credit limits to PACS for on-lending to its members for SAO. Under these products, against financing of crop loans upto Rs. 3 lakh @ 7% p.a by these banks, refinance at the rate of 45% of the aggregate credit limit to the PACS would be provided by NABARD at a concessional rate of 4.5% p.a.

### *PACS as multi Service Centers (MSCs)*

PACS can play an important role in providing these facilities to the farmer. To increase the business portfolio of PACS so as to make a self sustainable

entity, it is essential that the PACS should provide additional services like providing agricultural implements on hiring basis enabling collective purchase of inputs, having good quality storage capacity as per negotiable Warehouse Receipt System, etc.

### *Promotional/ Development initiatives*

NABARD organizes various capacity building programmes of the partner institutions, provides support for innovation and experimentation of new models and practices in rural development and credit delivery system, supports research & development, promotes Self Help Groups , Farmers Clubs, joint Liability Groups & Tenant Farmers, Kisan Credit Cards, etc.

### *Self Help Group (SHGs)*

NABARD has been implementing and monitoring the micro Credit scheme for formation and Credit linkage of SHGs for socio- economic empowerment of rural poor especially the women. The number of SHGs formed in the State, as on 31 March 2011 stood at 7319. The number of SHGs credit linked was 4019 and credit outstanding was to the turn of 27.19 crore. Further, 139 SHGs have been formed during 2011-12 (upto 30.09.10) taking the cumulative total to 7458.

### *Farmer's Club (FCs)*

NABARD promotes FCs in the State for transmitting the latest agriculture techniques to the farmer's field and to orient the farmers to establish better relationship with banks, adoption of latest post harvest handling technology, value addition etc. and enjoy the benefits of collective bargaining power for procurement of input and marketing

of their agricultural produce. As on 31 March 2011 there were 67 FCs in the State. Further as on 31.12.2011 the total number of FCs launched stood at 73 cumulatively

### *Joint Liberty Group (JLGs)*

NABARD also promotes formation of JLGs of Tenant Farmers, Oral Lessees, Landless Labourers, etc. with a view to augmenting credit flow to small, marginal and tenant farmers for facilitating/ augmenting agricultural production and productivity. As on 31<sup>st</sup> December 2011 there were 24 JLGs in the State of which nine groups have been formed during 2011-12

### *Kisan Credit Cards (KCC) /Swarozgar Credit Card (SCCs)*

NABARD has been propagating and popularizing the issue of KCCs and SCCs to farmers and small artisans, Service Sector, fishermen, self-employed persons, rickshaw owners and other micro entrepreneurs, respectively to facilitate them to avail hassle free credit facilities from the financial institutions. As on 30<sup>th</sup> September 2011, there were 7465 KCCs issued of which 5595 had been covered under PAIS.

### *Village Development Programme*

With the intention of bringing about the holistic development of a village and all round prosperity through financial inclusion, NABARD had launched a VDP in Barcem Village, Quepem Block of South Goa District. The focus of the programme was to facilitate financial services by ensuring financial inclusion providing knowledge based support and responding to the needs of the people in a way suitable to them. This would also

include economic development, infrastructure development and other aspects of human development, i.e. education, health, drinking water supply, etc. besides access to credit. The identification of village for VDP Phase II is under process

### *Rural Entrepreneurship Development Programme (REDP)*

NABARD also conducts REDPs with a view to develop entrepreneurial skills of the rural populace and setting up of units by them so as to boost their income levels. Various programmes conducted are (a) Fruit and Vegetable Preservation, (b) Bamboo Craft, (c) Four Wheeler Repairs & Driving, (d) Mobile Phone Repairs, (e) Beautician's Course, (f) Hair Dressing Course, (g) Electrical Wiring, etc. Further, these programmes are organized with the help of Agnel Vocational Training institute and Bosco Society for Sustainable Development.

### *Skill Development Programme (SDP)*

NABARD organizes SDPs for the benefit of the rural population and imparts training so as to encourage gainful employment. With this in view a programme on "Aluminum Fabrication" was sanctioned last year. During 2010-11, two SDPs on (a) Computer Hardware and Networking and, (b) Refrigeration and Air Conditioner, were sanctioned to Agnel Charities, South Goa. During 2011-12, a SDP on Food Production has been sanctioned to the institute

## INFRASTRUCTURE

Inadequate Infrastructure is a major constraint on rapid economic growth. Accelerating the pace of investment in infrastructure is critical for sustaining and accelerating growth. Keeping this in view, government has laid a major thrust on infrastructure development and on accelerating the pace of implementation of various projects.

Since resource constraints continue to limit public investment in infrastructure, PPP based models have been encouraged wherever feasible. The progress made in implementing various infrastructure projects under the major sectors is given below:

### 1. POWER

The power demand of the State is witnessing a steep rise over the last few years. There is a wide gap between the Supply and Demand especially during the peak hours. Inability to meet the demand is due to lack of power availability/generation capacity as well as system constraints.

Goa is witnessing all-round development after opening up of the economy of the country, and so the onus lies on the power sector to meet the requirements of the entrepreneurs.

The SEZ's, IT Parks, Food-Technology Parks, Cold chains, International Airport etc. will all attribute to the growing power demand in addition to

the improved living standards whereby per capita consumption will also grow.

### Measures taken to increase Power Availability

#### Power Purchase agreements entered into in 2011-12

- Power Purchase Agreement executed with Ratnagiri Gas & Power Private Limited (RGPPL) for purchase of 19.67 MW of power which had been allocated by Government of India.
- Power Purchase Agreement executed with National Hydro Power Corporation (NHPC) for purchase of 8 MW of power from Subansari Lower Hydro Electric Project which had been allocated by Government of India.
- The Government has received Central sector allocation of 14.5 MW of power from the Mauda II Project of National Thermal Power Corporation (NTPC) for which the Power Purchase Agreement had already been executed earlier.
- The Government is purchasing 37 MW of power on round the clock basis through traders viz. NTPC, Vidyut Vyapar Nigam Ltd. (Lowest Tender Basis) w.e.f. 1<sup>st</sup> April 2011.

### Steps initiated to meet the power supply deficit

Another allocation of 200 MW has been decided by Ministry of Power, Government of India, from the Ultra Mega Project of Chhattisgarh Surguja Power Ltd. (Erstwhile Akaltara) in Chhattisgarh and for which, as a commitment advance, a sum of Rs. 2.00 crore has been paid.

For meeting the peak hour power requirement, power is obtained to some extent from the U.I. (Unscheduled Interchanges) pool depending upon permissible grid frequency and also from traders.

The Government has obtained an allocation of the Gare Pelma, Sector III Coal Block at Chhattisgarh from the Government of India. This Coal Block has a generating capacity of 1800 MW. An Agreement has been entered into with a developer who would provide minimum power of 15% i.e around 270 MW.

The State also has the first right of refusal for another 10% power i.e around 180 MW. The power plant has been scheduled to come up in the next 3 to 4 years as per Goa Industrial Development Corporation.

A MoU has also been signed with Gas Authority of India Limited (GAIL) for laying a gas pipeline from Gokak to Goa for the transportation of gas to Goa. This pipeline is scheduled to be completed by December 2012.

The Government of Goa is exploring the possibility of setting up of a gas power plant for which NTPC has been requested to carry out a feasibility

study for setting up a gas based station in Goa.

### Mobilization of Resources:

- Charging electricity duty continues to be in operation and is fetching revenue for being exclusively utilized for transmission and sub-transmission development in the State. During the year 2011-12, it is likely to generate around Rs. 110 crore.
- The Government had filed the Annual Revenue Requirement (ARR) and Tariff petition for the year 2011-12 with the Joint Electricity Regulatory Commission (JERC) to meet the statutory requirement. ARR for the financial year 2012-13 has also been filed before the JERC.
- Monthly revenue collection targets for all the O&M Divisions are watched carefully. Billing, revenue collection, and disconnection of installations are observed strictly. Surprise inspection of installation by MRT Vigilance wings are carried out and it is yielding good revenue, by curtailing the theft of energy.
- The revenue collection is being watched on day-to-day basis for effective control. Recovery of dues from other Government departments is also ensured from time to time. With these measures gross revenue generation would be more than Rs. 1000 crore in 2011-12.
- The Agreement entered with PTC India Ltd. during last year for selling of surplus power of the State on Indian Energy Exchange for a

period of one year, was further extended for a period of one year on same terms and conditions. This fetches additional revenue to the State.

### Major achievements during 2011-12:

- The work of providing additional 100 MVA power transformer at Xeldem 220/110 KV Sub-Station has been completed and the transformer commissioned. This will increase the transformation capacity at this voltage level.
  - The work of providing additional 100 MVA power transformer at Tivim 220/110 KV Sub-Station has been completed and the transformer commissioned. This will increase the transformation capacity at this voltage level.
  - The work of providing additional 100 MVA power transformer at Ponda 220/110 KV Sub-Station has been completed and the transformer commissioned. This will increase the transformation capacity at this voltage level.
  - The work of providing additional 80 MVA power transformer at Kadamba 110 KV Sub-Station has also been completed and the transformer has been commissioned.
  - The work of erection of a new 33 KV, 20 MVA Sub-Station at Dona Paula is in progress alongwith the laying of 33 KV underground cable, linking this Sub-Station.
  - Power infrastructure build up from 'Electricity Duty Fund' created by levy of electricity duty have been taken up on priority and are in progress. Priority has been given for works interlinking important 33 KV Sub-Stations with underground cable link from the 110 KV Sub-Stations. Similarly augmentation of the transformation capacities at the 33 KV Sub-Stations by providing additional power transformation capacity has also been taken up.
  - The underground cabling works in the balance areas of Margao Municipal Council have been taken up and are presently in progress.
  - The underground cabling works in the predominantly tribal inhabited areas of Raia, Nuvem, Verna, Nagoa, Majorda, Utorda, Calata and Loutolim are in progress.
  - As a part of reforms, the Government has taken up the Restructured Accelerated Power Development and Reforms Programme (R-APDRP) formulated by the Ministry of Power, Government of India, by awarding the work to M/s Spanco Ltd.
  - The scope of work covers setting up of IT infrastructure for collection of baseline energy and revenue data. This will enable computerization of energy bills, e-payment of bills etc. and also enable consumers to know online the status of the requisite services including their complaints if any. Further, the IT infrastructure will help in automating the entire Electricity Distribution System so as to minimize the down time.
- The State has made the following concerted efforts to make use of energy efficient devices in the system:



- Developing & Implementing CDM (Clean Development Mechanism) Project Activities (CPA) under Programme of Activities (PoA) CFL – Lighting Scheme “Bachat Lamp Yojana” in North Goa and South Goa covering around 4 lakh households. – Being taken up after completing the formalities
- Provision of energy efficient street light fittings in place of conventional street light fittings.

**Box 5.1****Present power scenario**

Number of consumers	- 6,00,000
Maximum demand	- 470 MWs
Number of sub transmission S/S	- 50
Total transmission capacity	- 650 MVA
Length of line ckms	-12000
Metering of consumers	- 100%
Feeder metering	- 100%
Per Capita Consumption	-1845 KWH
Distribution loss	- 14%

**BOX 5.2****R – APDRP***(Restructured Accelerated Power Development and Reforms Programme)*

The Restructured Accelerated Power Development and Reforms Programme (R-APDRP) has been put in place by the Government of India during the Eleventh Plan period and the funding pattern had been restructured. It consists of Part A and Part B and it is mandatory to take up Part A covering IT related works prior to taking up the Part B works.

The **Part A** consists of Projects for establishment of baseline data and IT applications for energy accounting/auditing and IT based consumer service centres. It includes preparation of Base-line data for the project area covering Consumer Indexing, GIS Mapping, Metering of Distribution Transformers and Feeders, and Automatic Data Logging for all Distribution Transformers and Feeders and SCADA / DMS system. It also includes Asset Mapping of the entire distribution network at and below the 11KV transformers and include the Distribution Transformers and Feeders, Low Tension lines, poles and other distribution network equipment. It also includes adoption of IT applications for meter reading, billing & collection; energy accounting & auditing; MIS; redressal of consumer grievances; establishment of IT enabled consumer service centers etc. The base line data and required system shall be verified by an independent agency appointed by the Ministry of Power.

**Part –B** includes regular distribution strengthening projects such as renovation, modernisation and strengthening of 11 KV level sub-stations, transformer centres, re-conductoring of lines at 11 KV level and below, load bifurcation, feeder separation, HVDS(11 KV), aerial bunched conductoring in dense areas, replacement of electromagnetic meters with electronic meters, etc. The scheme would improve the overall efficiency of the Department and help provide more efficient and timely services to the end consumers, by way of better accounting system and use of IT applications. It would also improve and strengthen the distribution network to the end consumers.



## 2. ROAD TRANSPORT

An efficient system of transport is essential for a balanced growth of all regions of the State and for the convenience of the public. The growing vehicle population and increase in tourist traffic has put pressure on Road transport calling for rationalization of the road transport system by way of improved enforcement, traffic education, road engineering and supporting infrastructure such as parking lots.

### Vehicle Population

The number of Motor Vehicles registered in the State as on 30<sup>th</sup> November, 2011 stands at 8,32,181 of which the category wise breakup is given in Table 5.1 below:

**Table 5.1**  
Category wise no. of motor vehicles on road as on Nov'2011

Type of vehicles	No. of vehicles	% to the total
<b>Transport</b>	<b>95791</b>	<b>11.51</b>
Motor Cycles	17017	2.04
Goods Vehicles	51900	6.24
Taxis	13847	1.66
Buses , Mini Buses & KTC	9213	1.11
Auto Rickshaws	3814	0.46
<b>Non-Transport</b>	<b>736390</b>	<b>88.49</b>
Motor Cycles & Scooters	568891	68.36
Private Cars & Jeeps	159691	19.19
Tractors /Others	3021	0.36
Government Vehicles	4787	0.58
<b>Grand Total</b>	<b>832181</b>	<b>100.00</b>

It is seen from the table that about 70% of vehicles are in the category of two wheelers followed by private cars, jeeps and taxis, which account for about 21%. The balance 9% of the vehicle population covers goods vehicles, buses, government vehicles, tractors etc. Further, of the total vehicle population, 88.49% are in the category of non-transport vehicles and the

remaining 11.51% comprises of transport vehicles.

The number of vehicles on the live register as on 31<sup>st</sup> March of the years 2001 to 2011 is given in Table 5.2. It is observed that the compound annual growth rate in the number of vehicles over the ten year period from 2001 to 2011 is 8.94%, which is comparatively higher than the annual population growth rate of 8.17% of the State during the said period.

**Table 5.2**  
No. of vehicles on live register as on 31<sup>st</sup> March

Year	Number of vehicles	Percentage increase
2001	335666	
2002	358324	6.75
2003	391430	9.24
2004	436120	11.42
2005	482303	10.59
2006	529019	9.69
2007	578771	9.40
2008	623229	7.68
2009	673414	8.05
2010	727042	7.96
2011	790075	8.67

The category wise number of vehicles registered during the years 2008-09 onwards is given in Annexure 18. It is seen from the table that the number of vehicles registered during the year 2010-11 has increased by 17.54% over the previous year. It is further noted that there is a continuous increase in the number of vehicles registered during a year under non-transport category as compared to its previous year for instance the number of private cars and jeeps registered during 2009-10 and 2010-11 depicts an increase of 15% and 27% respectively over its previous years. The number of vehicles registered during 2011-12 (upto Nov. 2011) is 42,106.

The distribution of vehicles under non-transport category by approximate value of the vehicle is given in Annexure 22. It is observed from the annexure that of the total number of two wheelers registered during the period April 2008 to January 2012, 52% are in the value group of Rs. 40,000 to Rs 50,000, 17% are valued above Rs 50,000 and the balance 31% are valued below Rs. 40,000. A similar trend is noticed in the case of private cars and jeeps registered during the said period, wherein 45% of the vehicles are valued between Rs 3.00 to Rs. 5.00 lakh, 35% are valued above Rs. 5.00 lakh and 20% are in the value range of below Rs. 3.00 lakh.

### Infrastructure upgradation

Tenders are invited for construction of Ultra Modern Bus Stand at Margao and the same will be tendered shortly.

### Service Delivery

To provide easy and efficient services to public, registration of new vehicles through authorized dealers and the scheme of Smart card driving license with durable, elegant, and easy to carry driving license have been commissioned at the RTO office of Panaji, Margao, Mapusa, Vasco, Bicholim, Quepem & Ponda. Under this project 1,03,555 Fresh Smart Card Driving Licences have been issued upto 31/03/2011 and 14,351 Fresh Smart Card Licences has been issued from April '11 to Oct.'11. Similarly 63,973 vehicles are registered through authorized dealers up to 31<sup>st</sup> March 2011 and 6526 vehicles are registered from April '11 to Oct. '11.

In terms of Reciprocal Agreement between the States of Goa and

Maharashtra, the existing quota was 1500 countersignature permits. However, vide the recent agreement entered into between both the States, the existing quota has been abolished and the c/s permits are made open to all the Goods Vehicles. This generated additional revenue to this State amounting to Rs. 27.20 lakh during 2011-12 (upto Jan'12). depending upon the number of permits countersigned. (Annual fees Rs. 5000/- per annum on reciprocal basis).

To ensure that old, unsafe passenger transport vehicles are removed from the roads and in order to curtail vehicular pollution and promote environment, government provides subsidy for replacement of buses and minibuses older than 15 years, as also for replacement and procurement of new yellow/black motorcycles, yellow/black taxis, yellow/black auto rickshaws. In 2008-09 an amount of Rs 48.90 lakh was granted as subsidy covering 95 vehicles. During 2009-10 Rs. 35.86 lakh was disbursed covering 76 vehicles. In 2010-11 an amount of Rs 73.82 lakh was disbursed towards 101 vehicles and in the current year 2011-12 (upto November 2011) subsidy amounting to Rs. 22.83 lakh has been disbursed covering 55 vehicles. The number of vehicles by type covered under this scheme in the last four years is given in Table 5.3 below:

**Table 5.3**  
Subsidy for replacement of vehicles

Type of vehicle	2008-09	2009-10	2010-11	2011-12 (upto Nov.'11)
Taxis	15	20	10	6
Auto Rickshaws	33	26	25	31
Motor Cycles	32	22	35	14
Buses/Mini buses	15	8	31	4
Total	95	76	101	55

Under the scheme Pollution under Control (PUC) Certificates status, all stations authorized to issue PUC certificates for vehicles have been upgraded with Modern computerization equipment to test the pollution levels of vehicles. So far, 33 PUC centers have been issued under this scheme. Under the scheme "Accidental Death / Injury Insurance Scheme", 5 cases have been finalized, 3 death and 2 partial injury.

During the year 2010 a total of 4572 accidents i.e. approximately 12 accidents per day were recorded among which we have lost 327 lives in these road accidents. Apart from these deaths, thousands of people have suffered injuries. The Government sincerely feels that not only "Enforcement" but "Education" will go a long way in accident prevention and control across Goa. As such the state has organized State Road Safety Week from 1<sup>st</sup> August 2011 to 6<sup>th</sup> August 2011 in a grand way. As a part of the Road Safety Week, Road Safety Information Buses were launched in the major cities of the State, to bring about awareness of Road Safety among the public in general. Officials from Central Road Research Institute, Delhi are campaigning in the State to conduct a comprehensive Traffic and Transportation Study of Goa.

### Resource Mobilization

The revenue collection of the Transport Department for the last four years is given in Table 5.4.

Table 5.4  
Revenue collection

Year	Amount in Lakh
2007-08	8929.33
2008-09	9407.74
2009-10	11015.41
2010-11	13425.16
2011-12 (Oct'11)	9118.58

Also under Goa Rural Improvement and Welfare Cess Act , 2000 and the Rules, 2006 made there under, an amount of Rs. 438.00 lakh has been collected during 2006-07 , Rs. 341.00 lakh during 2007-08 , Rs. 1002.42 lakh during 2008-09 , Rs. 2607.64 lakh during 2009-10, Rs. 2018.47 during 2010-11 and Rs. 962.10 (April 2011 to October 2011).

### Kadamba Transport Corporation

At present the corporation is having 423 vehicles, of which 253 are big semi-luxury buses, 14 are luxury buses and 8 are Volvo buses. The corporation operates 332 schedules and covers a distance of 97469 scheduled kms. per day on intra as well as inter state routes and carries daily 77 thousand passengers approximately .

The traffic earnings of the corporation have increased to Rs. 19.71 per km in the year 2010-11 from Rs.17.62 per km in the year 2009-10. It is expected to reach the target of Rs. 19.82 per km in this financial year 2011-12. The corporation was not able to make any profit due to constant increase in the material cost. The corporation incurred loss of Rs. 1394.24 lakh in the year 2009-10 and a loss of Rs. 1570.34 lakh in the year 2010-11.

The corporation has taken various measures to minimize the losses and the results are expected to be good. The kilometer per litre of diesel whose average was 4.66 in the year 2009-10 is expected to reach the target average of 5.26 during the current financial year 2011-12. The accident rate per 1 lakh kms was 0.02 and the rate of breakdown per 10000 kms was 0.23 during the financial year 2010-11.

During the year 2010-11, the average tyre mileage of size (9.00x20) was 34975 kms per tyre and of size (7.50 x 16) was 32065 kms.

### 3. INLAND TRANSPORT

The works of dredging in the vicinity of St-Pedro–Diwar Ferry Route in River Mandovi commenced with effect from 21<sup>st</sup> November, 2011. Dredging across the sand bars at the mouth of river Chapora has also commenced.

The works towards the demolition and construction of new jetty of length 169.5 mts is proposed to be entrusted to Goa State Infrastructure Development Corporation Ltd. The same has been approved by the Government. The jetty will be utilized for berthing of vessels having interface with foreign ships at anchorage in Panaji Port.

Also, certain areas within the jetty will be allotted for berthing of private vessels. Funds to the tune of Rs. 8.02 Crore has been placed at the disposal of Goa State Infrastructure Development Corporation Ltd. for construction of new jetty at Panaji

#### Mobilization of resources

The revenue collected during the last five year is given in table 9.7. The revenue collected during 2010-11 has increased by 106% as compared to 2007-08.

**Table 5.5**  
Revenue collected during the last five years by Captain Of Ports

Year	Amount (Rs. in lakh)
2007-08	1439.26
2008-09	1603.42
2009-10	2012.96
2010-11	2971.29
2011-12 (upto Nov.11)	1929.50

**Table 5.6**  
No. of students enrolled under various disciplines in 2011-12

Courses	Students enrolled
New Entrants Training course 4 months regular	Deck - 56 Engine -54
Advanced Refresher Training Course	51
(a)2 <sup>nd</sup> Class Inland Master	48
(b)1 <sup>st</sup> Class Engine Driver	62
(c)1 <sup>st</sup> Class Inland Master	47
(d)Inland Engineer	
<b>Total</b>	<b>318</b>

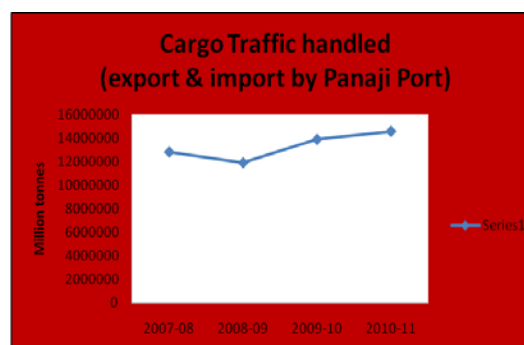
#### Minor Ports

The operational statistics of the Minor Port of Panaji for the years 2007-08 to 2010-11 is given in Table 9.9. The minor port has handled 8327438 M. T. (export & import) cargo traffic during 2011-12 ( upto December 2011)

**Table 5.7**  
Operational Statistics of Minor Ports

Year	(Cargo traffic handled) in million tonnes		
	Export (Iron Ore)	Import (Coal)	Total
2007-08	12735796	88803	12824599
2008-09	11901323	-	11901323
2009-10	13678677	218699	13897376
2010-11	14580861	-	14580861

**Graph 5.1**  
Cargo traffic handled at Panaji Port



**Major Ports**

The only major port in the state of Goa is the Mormugao Port. The operational statistics of this major Port for the years 2007-08 to

2010-11 is given in Table 9.10. The Port has handled 32.44 million tonnes cargo traffic and 11003 passenger traffic during the year 2011-12 (upto December 2011)

**Table 5.8  
Statistics of Mormugao Port**

Item	2007-08	2008-09	2009-10	2010-11	% increase #
Total Cargo Capacity ( in million tones)	33.05	33.05	37.05	41.90	26.78
No. of employees	3018	2967	2891	2817	(-)6.66
Cargo traffic handled ( in million tones)					
a) Import	7.19	7.01	7.89	9.18	27.68
b) Export	27.94	34.67	40.96	40.84	46.17
c) Total	35.13	41.68	48.85	50.02	42.39
Passenger traffic handled	12997	10878	18684	9371	(-)27.90

#2010-11 over 2007-08

**Graph 5.2  
Cargo traffic handled at MPT**



**Air Transport**

The state of Goa has only one Airport i.e at Dabolim, Vasco. which functions as domestic as well as international airport. To reduce congestion at the Dabolim Airport a new international airport in coming up at Mopa in Pednem for which land acquisition has already started. The total passenger

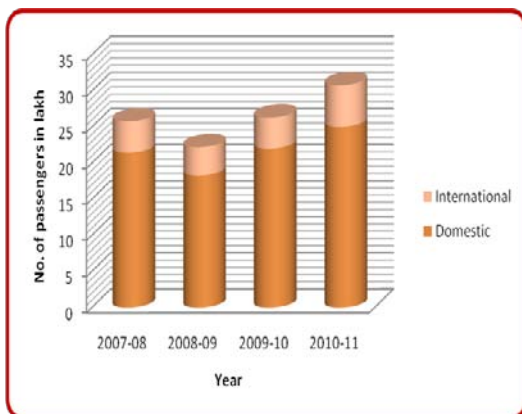
movement at the Dabolim Airport for the year 2011-12 (upto December 2011) was 24.22 lakh (21.08 lakh domestic passengers and 3.14 lakh international passengers) and the total number of chartered flights that landed at Dabolim during the same period was 301.

The total number of aircraft movement for the year 2011-12 (upto December 2011) was 19806 (17364 domestic and 2442 international). The details regarding passenger movement, flight movement and number of chartered flights at Dabolim Airport from 2007-08 to 2010-11 is presented in Table 5.9, Table 5.10 and graph 5.5 respectively.

**Table 5.9**  
Year wise Passenger movement ( in lakh)

Year	Domestic	International	Total
2007-08	21.45	4.35	25.80
2008-09	18.32	3.90	22.22
2009-10	22.04	4.30	26.34
2010-11	25.06	5.76	30.82

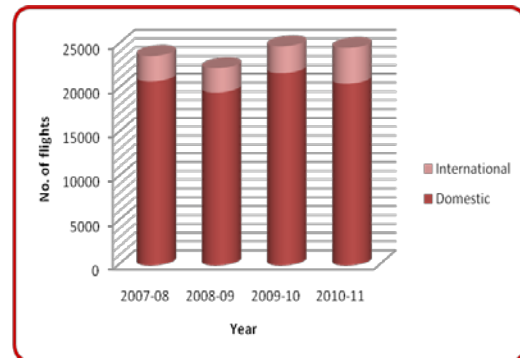
**Graph 5.3**  
Passenger movement



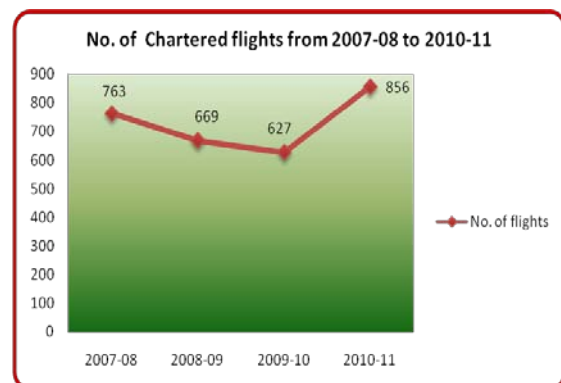
**Table 5.10**  
Year wise Aircraft movement

Year	Domestic	International	Total
2007-08	20864	2878	23742
2008-09	19608	2734	22342
2009-10	21808	3018	24826
2010-11	20614	4024	24638

**Graph 5.4**  
Aircraft movement



**Graph 5.5**



#### 4. WATER RESOURCES

Plain land in the State is restricted to a few kilometers from the coastal line and since rivers flowing through the plain lands have very flat slopes at the estuarine reaches, acting as back waters of the sea, the tidal effect is felt right upto the foothills of the Western Ghats.

Short lengths of rivers, deep marine ingress, steep slopes in the Western Ghats and reserved forests pose constraints for large storage structures. However, the State has provided adequate storage dams to meet the domestic, industrial, irrigation and tourism water supply needs of the State. The river basin system in the State consists of nine river basins as shown in Table 5.11.



Table 5.11

River Basin	Basin Area (Sq. kms)	% Area of Goa State	Length of river within the State of Goa (km)	Length within salinity zone (km)	Average runoff (mcm)
Terekhol	71	1.90	26.00	26.00	166.85
Chapora	255	6.90	32.00	32.00	597.65
Baga	50	1.40	10.00	10.00	118.26
Mandovi/ Madei	1580	42.70	52.00	36.00	3636.65
Zuari	973	26.30	145.00	42.00	2282.95
Sal	301	8.10	40.00	14.00	705.37
Saleri	149	4.00	11.00	5.00	348.46
Talpona	233	6.30	32.00	7.00	523.74
Galjibag	90	2.40	14.00	4.00	190.07

Out of the 9 rivers in the State, 6 rivers originate and flow exclusively within the State boundaries and do not have any Inter-State implications. However, out of the other 3 rivers, Terecol and Chapora originate in Maharashtra State and Mandovi/ Madei in Karnataka State. Mandovi and Zuari are the biggest rivers, which drain about 70% of the run-off generated in the State.

The Central Water Commission (CWC) has assessed the water resources of Goa estimated at 8,570 mcm. However, due to topographical, geological and other constraints the level of utilization of resources for irrigation is expected to be 1,465 mcm (1,125 mcm surface and 340 mcm ground water) plus 300 mcm for domestic, industrial use etc. (200 mcm by surface water and 100 by mcm ground water).

The Central Ground Water Board (CGWB), in their 'Master Plan for development of ground Water in Goa State' has estimated the available ground water sources in the State to the extent of 132.74 mcm and the

gross annual draft is 43.83 mcm. The stage of ground water development is 33%. Hence Goa is safe from ground water development point of view.

Under the Hydrology Project – II, Purpose Driven Studies has been taken up on evaluation of downstream consequences of bore well pumping at Verna Industrial Estate and is in the process of working out a suitable water resources management strategy. Technical support with regard to Ground Water Recharge will be extended to Industries Department on request.

The Government has already spent Rs.75 lakhs in Verna Industrial Estate for rainwater harvesting and ground water recharge schemes (paani adva & paani jirva) like check dams, recharge trenches and infiltration of bore holes and the works are nearing completion. It is proposed to complete balance work of similar structures and construction of percolation tank at the cost of Rs.1.25 crores during the current financial year.

The Government has created awareness and given technical guidance to industries to execute rainwater harvesting works in their premises with their own funds. Ground water levels are constantly monitored both in the Verna Industrial Estate and in the surrounding villages by identifying 16 open wells in village areas and 7 piezometers in the Industrial Estate. One such piezometer is fitted with Digital Water Recorder which is set to monitor every 6 hours continuously.

It is proposed to initiate Rain Water Harvesting and Ground Water Recharging in two more Industrial Estates i.e. Pilerne and Kundaim for which financial provision of Rs.50 lakh each (Total Rs.1 crore) is made. The above works are executed in collaboration with the Goa State Pollution Control Board and the Department of Science & Technology.

In the light of policy guidelines laid down by the Government of India on water utilization, the water supply component has been invariably provided for all the important storage schemes of the irrigation sector to cater the domestic, industrial as well as tourism water supply needs of the State.

Considering the need of water in the State by 2051, a Panel of Experts has prepared Master Plans for use of water potential in the State for 4 river basins viz. Mhadei, Zuari, Talpona and Galgibag river basins covering 2876 sq. km. i.e. about 78% of the geographical area of the State.

Action has been initiated for implementation of 18 projects (Mandovi Basin – 9, Zuari Basin – 6

and Talpona/Galgibag – 3) identified in the Master Plans in phases and the same are taken up for investigation and foundation exploration and for preparation of DPRs. These projects take precedence in view of the flourishing tourism industry and considering the increasing domestic and industrial water supply needs of the State.

Micro-level hydro-geological studies are being conducted around the Verna Industrial Estate in view of over exploitation of ground water which may lead to socioeconomic and environmental imbalance in the villages located downstream. A Report has been released on Dynamic Ground Water Resources of the State of Goa on 8/8/2011.

*Evaluation of Irrigation Potential through an independent Third Party Agency:*

A pilot scheme is being envisaged for evaluation of irrigation potential of Minor Irrigation Projects. The work has been awarded to Goa Institute of Management Studies, Ribander, Goa and the same is in progress. The work of evaluation of irrigation potential of Major & Medium Irrigation Projects is being carried out by the Government of India through Indian Institute of Management, Bangalore.

The Water Resources Department has launched e-tendering on August 8, 2011. Since then, all tenders for works costing more than Rs. 45.00 lakhs are invited through e-tendering.

### **Mobilization of Resources**

Under the *Accelerated Irrigation Benefit Programme (AIBP)*, the State

has garnered Central assistance in the form of grants and loans for implementation of the Tillari Irrigation Project to the tune of Rs. 227.17 crore upto March 2011 (i.e. loan assistance of Rs.113.30 crores and grants of Rs.113.87 crores). An additional amount of Rs. 20.55 crores is expected during the year 2011-12.

The Tillari project has been approved for Central assistance under the *Command Area Development and Water Management (CADWM)* and the State has received Rs. 213.81 lakh by way of grants from the Centre for CAD works of the project up-to March 2011. An additional amount of Rs. 115.09 lakh is expected during the year 2011-12.

In order to supplement the State budget and generate additional funds for speeding up the completion of the Tillari project, the State has availed *Loan from NABARD* to the tune of Rs. 206.63 crores. A proposal has been moved to avail loan amounting to Rs. 64.12 crores during 2011-12.

Under the State sector *Flood Management Programme* launched by the Ministry of Water Resources, New Delhi, to assist the State Governments to undertake flood control works of critical nature, the State has received grants to the tune of Rs. 9.98 crores up-to March 2011 for implementation of 2 projects viz.

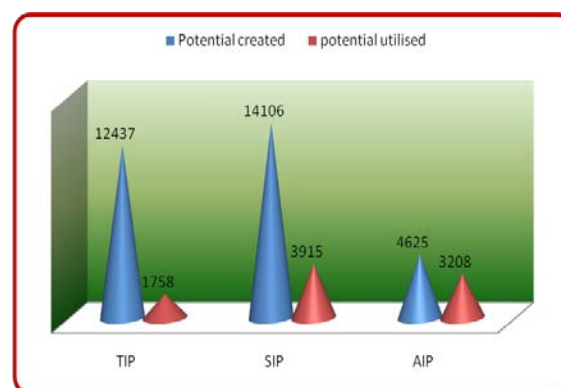
1. Improvement of waterways of Bicholim river in Bicholim Taluka and
2. Flood control measures for improvement of waterways of Valvanta river in Bicholim Taluka.

Under the licensing fees/user charges for withdrawal and utilization of ground water resources for industrial and commercial use, an amount of Rs. 196.81 lakhs has been collected by way of revenue for the State.

### Major and Medium Irrigation

The potential created and utilized under major and medium irrigation projects upto October 2011 is given in Graph 5.6.

**Graph 5.6**  
Potential created and utilized ( in Ha) under Tillari, Anjunem & Selaulim Irrigation Projects (Cumulative upto Oct'2011)



### Tillari Irrigation Project

The Tillari Irrigation Project, an inter-State joint venture of the Governments of Maharashtra and Goa is in full swing and is expected to be completed by 2013. About 12,400 Ha potential has been created up-to March, 2011 and 1760 Ha has been utilized. 30 numbers of Water Users' Associations have been formed under this project to utilize the benefits under Command Area Development. Apart from irrigation, the project provides 115.03 m.m3 of water for domestic, industrial and other non agricultural needs of the State. Presently 15 MLD water from Tillari Irrigation Project is released at Chandel water treatment plant and 50

MLD at Assonora water treatment plant for domestic supply.



Tillari Irrigation Project

*The Salaulim Irrigation Project*

This project is operated successfully with a total irrigation potential of 14,106 Ha. 28 numbers of Water Users' Associations have been formed under this project and the farmers are encouraged to cultivate more area. The project caters to the irrigation needs of Sanguem, Quepem and Salcete Talukas. Apart from irrigation, the project provides raw water for domestic and industrial use to the extent of 160 MLD and augments water supply to the PWD to the extent of 220 MLD. In addition, Opa Water Works has been augmented with 50 MLD raw water from SIP canal to Kalay river to meet the domestic and industrial needs of Ponda and Tiswadi Talukas. The canals of this project are being improved and strengthened to restore efficiency and ensure better irrigation coverage and increase agricultural productivity.



Selaulim Irrigation Project

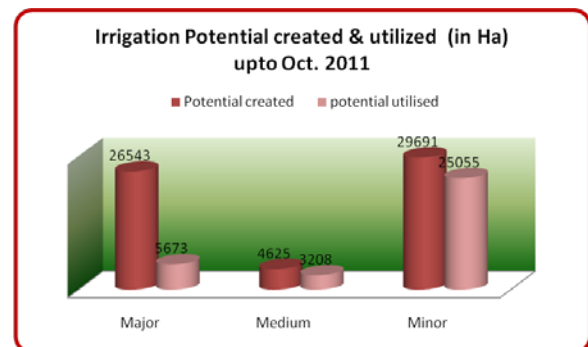
The Anjunem Irrigation Project

This project with a potential of 4,625 Ha caters to the irrigation needs of Sattari and Bicholim Talukas. The return flow from this project is utilized by the PWD for drawal of about 82 MLD of water for Sanquelim, Assonora and Podocem treatment plants to meet the potable water needs of the surrounding areas. 16 numbers of Water Users' Associations (WUAs) have been formed covering the entire 100% command area of the project.



Anjunem Irrigation Project

**Graph 5.7**  
**Irrigation Potential created and utilized**



**Hydrology Project Phase -II**

Hydrology Project Phase – II is being implemented in the State by the Ministry of Water Resources, Government of India, by availing World Bank assistance where the State of Goa is one of the participants. The project has already commenced on 5/04/06 and the tentative closing date is 30/06/2012.



The project envisages setting up of infrastructure to improve and strengthen the institutional and technical capability of the Department to collect, measure, analyze, disseminate and use data concerned with quantities and qualities of surface and ground water, to establish a well developed and reliable information system for water related data and water resources planning of Goa state. Progress made under the project is as follows:

- The Data Centre building and Laboratory level II+ is completed and functioning. Presently, the laboratory is being established with specialized manpower and equipment.
- 11 river gauge stations have been set up and gauging has commenced.
- During the year 2011-12, it is proposed to procure 11 Radar Level Sensors and 2 Acoustic Current Doppler Profilers for discharge measurement at the river gauge stations.
- 110 ground water stations are proposed to be established by state government and all the piezometers sites and open wells have been identified. Construction of 15 piezometers (Phase-I) for ground water monitoring in South Goa District is completed and Phase-II (9 new Piezometers and rehabilitation of 6 old bore wells) is in progress.
- The work of construction of 20 piezometers for ground water monitoring in North Goa District is completed and monitoring of water levels for ground water has started.
- During the year 2011-12 it is proposed to install 25 digital water level recorders to few piezometers

to monitor the water level. Total 58 staff for collecting the data are redeployed and posted for HP II work.

- 50 observation stations for open wells have been set up. Work is in progress for establishment of 6 rain gauge stations and 2 full Climatic Stations. The construction of the civil works for establishing the Full Climatic Stations and the standard rain gauge stations is completed. Equipments such as current meter, bridge outfit, staff gauge etc has been installed and the gauging has commenced. The data so collected is being entered in SWDES.



River Gauge Sites

### Minor Irrigation

Under Minor Irrigation Schemes an additional irrigation potential to the tune of 19 Ha has been created taking the cumulative tally to 29,691 Ha. The utilization is 25,055 Ha of which about 16 Ha potential has been utilized during 2011-12.

Under the beneficiary oriented scheme of *Construction of Irrigation Wells under Subsidy Scheme*, work orders have been issued for construction of 10 wells and construction of 7 wells is in progress. These will create additional ground water potential and

boost agriculture including horticulture in the State.



Lift Irrigation Scheme

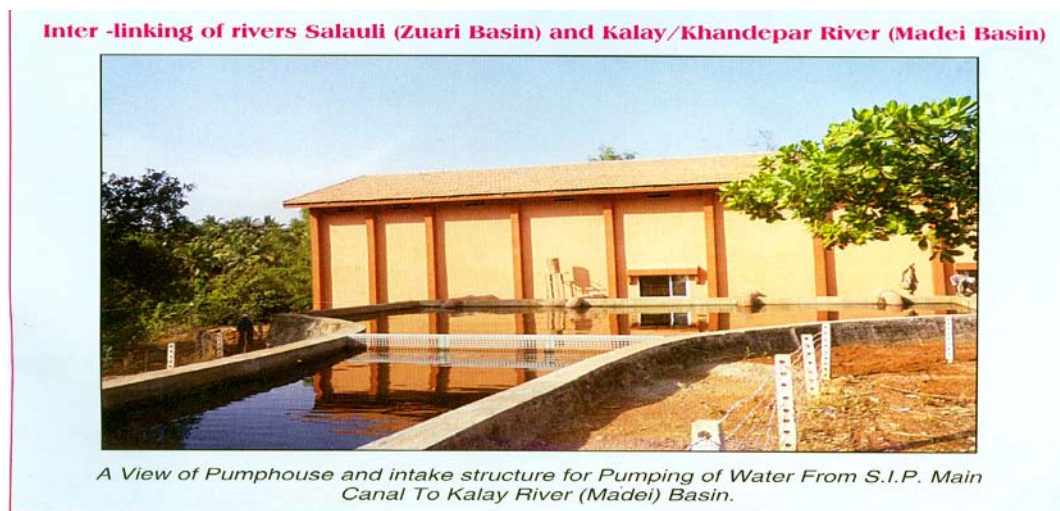
In order to overcome the water scarcity crisis in Canacona taluka, Minor Irrigation Tank at Gavnem has been approved and is being taken up which will irrigate about 100 Ha of command area in the villages of Gavnem, Tollem,

Saturlim and Fulamol and also provide drinking water to the ST population.

Total irrigation potential to the tune of 4,065 Ha has been created under the Western Ghats Development Programme to serve the farming community of these hilly areas and thus, improve their economic status.

**Water Resources Development Programme**

*Interlinking of rivers:* Three such schemes have been implemented viz. Chapora to Amthane dam, Zuari to Madei and the last one being from Madei river to Khandepar river to augment flow for domestic consumption.



**Post Monsoon Water Harvesting Structures (Bandharas)**

The programme of post monsoon water harvesting has been successfully implemented through construction of a series of bandharas across Khandepar, Assonora, Valvanti and Madei rivers to meet the water requirement of the State in rural as well

as urban areas through augmentation of water sources to water treatment plants especially during the lean season.

A total number of 155 bandharas have been completed across various rivers/nallahs holding storage of 429.91 lakh cum.



During the year 2011-12, 13 bandharas have been completed and construction of 11 bandharas is in progress. Another 71 are lined up for construction.



Bandharas

**Table 5.12**  
**Status of bandharas**

Particulars	Number	Storage (in lakh cum)	Cost in (Rs. in lakh)
Bandharas planned	250	509.07	16954.07
Bandharas completed upto March 2011	155	429.91	10276.91
Bandharas completed during 2011-12	13	10.69	1043.75
Bandharas in progress	11	9.13	1556.60
Bandharas to be taken up	71	61.20	4082.32

Keeping in mind the pace of Goa's fast growing economy with tourism as its mainstay fuelling an increasing demand for water, the State has introduced *Roof-Top Rainwater Harvesting* Scheme and efforts are on to popularize the scheme on AIR and print media. During the year 2011-12, one case has been processed.

*Real time Data transfer:* The Department is also implementing Real Time Data Collection and Dissemination via sms gateway and internet. The readings from site are

automatically uploaded via sms from site personnel and the same are communicated to decision making authorities like Chief Engineer (WRD), Collectors, Dy. Collectors, Municipalities etc. In case of delay by site personnel, the said personnel get automatic reminders. For detailed comprehensive display one has to log on to [www.goawrd@gov.in](http://www.goawrd@gov.in). The application is on test mode and will be fully operative shortly.

### Command Area Development (CAD)

The State has made significant progress in this area by forming 71 Water Users' Associations and registering the same under the Co-operative Societies' Act.

The cumulative progress of CAD activities for the 3 projects viz. SIP, AIP and TIP as on Oct. 2011 is detailed below in Table 5.13.

**Table 5.13**

CAD Activity	TIP	SIP	AIP
Area covered under FCs in Ha (CCA)	3460	4750	2100
Warabandi in Ha.	150	2701	1545
Land leveling/ shaping in Ha.	-	326	593
Farmer's Training in Nos.	1560	7523	4186
Water Users' Association in Nos.	30	28	16

### Reservoir Storage Status

The total live storage as on December 2011 in the major, medium and minor irrigation reservoirs in the state taken together was 273.6 Million cubic Meters (MCM) which was about 91.82% of the storage capacity, as against 99% in December 2010.

Reservoir-wise live storage status is given in Table 5.14.

**Table 5.14**  
**Live Storage status of Reservoirs**

Reservoir	Capacity as per project design (in mcm)	Live Storage as on December (in MCM)	
		2010-11	2011-12
Selaulim Project	234.36	234.53	220.06
Anjunem Project	44.83	42.98	35.21
Amthane Dam	5.97	4.85	3.63
Panchwadi Dam	4.57	4.53	4.19
Chapoli Dam	11.22	11.10	10.51

### **Flood Control, Anti-Sea Erosion and Drainage**

#### *Flood Control*

During the year 2011-12, a length of about 1.700 Kms has been protected up-to Oct. 2011. An additional length of 7.000 Kms. is likely to be covered by the end of March 2011. Two river gauge stations have been established by the Central Water Commission (CWC), one at Gangem on Madei river and another one on Khandepar river at Collem to monitor the discharge of the rivers.

The 2 towns of Bicholim and Sanquelim in Bicholim Taluka in Pale Constituency have a history of experiencing ravaging flash floods during the last decade causing extensive damage to commercial establishments, temples, households, livestock, agricultural land and property. Water levels rise in a short span giving no time to alert the people of impending disaster. Come monsoon and the populace of these 2 towns are under tremendous stress and fear of floods.

In order to mitigate the flooding problems in Bicholim and Sanquelim towns two major flood protection projects viz., Improvement of water ways of Bicholim river in Bicholim and Flood control measures for flood prone areas of Sanquelim and improvement of water ways of Valvanta river were executed under the Centrally sponsored FMP-II programme with grants from Ministry of Water Resources. The measures will mitigate floods to the recurring interval of about 500 years. An area of 150 Ha. has been protected and a populace of 15,000 people will be benefited. The first project costing 8.84 crore has been completed during 2010-11 and the second project costing Rs.13.89 crores is in progress and will be completed in 2011-12.

The measures implemented are as under:

Strengthening and improvement of the existing flood protection bunds and raising the height of the bunds, extending the flood protection wall for a length of 420 mts.

Providing flood water pumping station in Sanquelim town to pump the flood discharges from Malwantawadi nallah to the tune of 2200 m<sup>3</sup> per hour and De-silting of the river from Viridi to Sanquelim town to remove the drainage congestion and to protect the eroded banks.

The State has also taken up various restoration/ repairs/ protection works to protect a length of 9 Kms. in Canacona for Talpona and Galgibag rivers which were severely affected by the flash floods caused by high intensity rain due to cloudbursts in October 2009.

### Anti Sea Erosion:

In an effort to curb erosion, the State has implemented various measures such as stepped sea walls, concrete blocks, revetments, dykes, earthen embankments/ sand bag embankments, rubble wall protected by geo-grid nets, rubble mounds, tetrapods, rubble sausages, concrete/granite blocks, sloping apron walls, gabions and use of geo-tubes etc to reduce damages along the seashore in the affected areas. A length of 5.450 Kms has been covered. Works are being implemented during the year 2011-12 to cover a length of 1.000 Km. at Keri (Pernem), Anjuna (Bardez) and Majorda (Salcete). A length of 140 mts has been protected up-to Oct. 2011.

The National Institute of Oceanography has carried out detailed investigations of some of the vulnerable stretches and some of the suggestions made by them have been suitably adopted and effectively made use of depending on the site conditions. For the sea erosion problems at Cabo Hill at Raj Bhavan, suggestions made by the Geological Survey of India (GSI), Bangalore have been adopted. Proposals have been prepared and are under implementation for protecting about 7.18 kms of coastline under the Golden Jubilee Package funds for anti-sea erosion and beach protection involving a financial implication of about Rs. 85.67 crore with the recommendations of Central Water and Power Research Station, Kadakwasla. These works will be initiated during the current year 2011-12.

### Drainage

Various measures are adopted to improve the drainage systems by

removing congestion through desilting, river training, etc. not only in the coastal belts but also in urban areas to protect the same from getting flooded due to congestion of drains passing through these areas. Up-to Oct. 2011, a length of about 4.000 Kms has been covered with protective measures.

## 5. WATER SUPPLY

The present water supply demand in the State is catered through seven regional water supply schemes installed at Opa, Assonora, Sanquelim, Salaulim, Canacona, Dabose and Chandel. The Salaulim water supply scheme is the largest amongst all the regional water supply schemes having capacity of 160 MLD covering most part of the South Goa district.

### Urban Water Supply

During the year 2011-12 (upto September 2011) 452 water connections were released benefitting a population of 2260. The following works were completed during the year 2011-12 (upto November 2011).

Laying and jointing and commissioning of 350mm dia M.S. conveying main from Priol to Engineering College at Farmagudi including construction of 800m<sup>3</sup> GLR and PVC distribution main of 160mm dia and 225mm dia for Priol and Bandora Village. Replacement of old GI, AC line by 110mm and 63mm OD PVC line and shifting of service connection from old line to newly laid pipeline at GEC campus, Farmagudi

### Rural Water Supply

At present the average supply level in villages is 82 LPCD as against 40 LPCD as per the norms of Government

of India for rural areas. During the year 2011-12 (upto September 2011) 1324 water connections were released benefitting a population of 6620.

The following works were completed during the year 2011-12 (upto November 2011).

Replacing of 200mm dia AC pipeline by laying 250mm dia DI pipeline from Neura to Pilar.

Improvement of Water supply in Carmona village of Navelim Constituency - Construction of 300m<sup>3</sup> R.C.C overhead reservoir

Augmentation of infrastructure to Porvorim and surrounding areas - Construction of 650 cum OHR Including Providing 200mm dia D.I rising main from O"Coqueiro reservoir to 650 cum. OHR at defence colony at Porvorim.

Under the programme of Accelerated Rural Water Supply Scheme, 346 villages have been covered till date, with a supply level of 40 LPCD or above.

## 6. SANITATION

### Urban Sanitation

It is proposed to cover all the major towns with sewerage network using appropriate technology, to achieve the goal of total sanitation and clean environment in urban areas.

The following works were completed during the year 2011-12 (upto November 2011)

- Construction of 100 nos single seater pour flush water seal laterines in Fatorda

- Construction of single seater pour flush water seal laterines with twin leach pits for 5 users in Benaullim.
- Providing sewerage Network To Madel Area In Margao.
- Extension of sewer line near Dabolim Airport.

During the year 2011-12 (upto September 2011) 41 subsidized sewerage connections were released benefitting a population of 151 and 142 other sewerage connections were released covering a population of 683.

### Rural Sanitation

During the year 2011-12 (upto September 2011) 789 Individual Sanitary units were constructed benefitting a population of 3945 and 2 Community Sanitary units were constructed benefitting a population of 60.

## 7. BRIDGES & ROADS

### Bridges

The following 2 bridges were completed during this financial year

1. RCC Bridge linking Dongrim in V.P.Navelim
2. Parallel bridge at Bicholim.

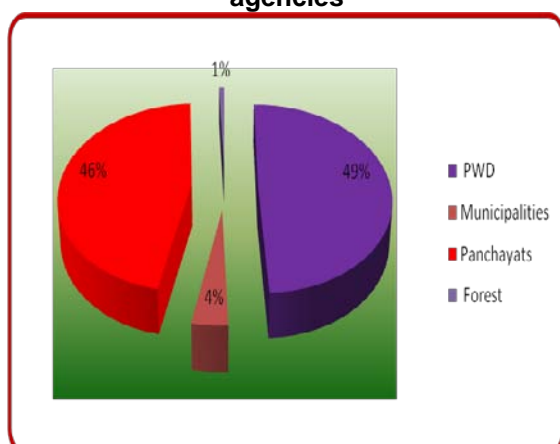
### Roads

The road development works in the state are carried out by Public Works Department, Municipalities, Panchayats and Forest Department. The total length of Surface and un-surfaced roads in the state is 10224.63 kms as on March 2011, the breakup of which is given in Table 5.15.

Table 5.15

Sr. No	Category	Length of Roads (in kms)
1.	Roads under PWD	5044.58
2.	Roads under Municipalities	381.74
3.	Roads under Panchayats	4724.17
4.	Roads under Forest	74.137
	Total Roads	10224.63

Graph 5.8  
Road length maintained by different agencies



### State Highways

The following works were completed during the year 2011-12. (upto November 2011)

- Hotmix to the 4 lane State Highway No.5 from Arlem to Ambora in a length of 4.49 kms.
- Hotmixing of road from Raia to Ambora
- Resurfacing with hotmix of road from Curchorem to Sanguem Court in Curchorem

1.5 kms surfaced new roads were built and 7.89 kms surface improvement of existing roads were carried out during the year 2011-12 upto September 2011

### Major District Roads

The following works were completed during the year 2011-12 (upto November 2011)

- Widening & Improvement of Eastern bypass to 4 lane standard from Arlem road junction to Gogal road junction in a length of 1.5 km.
- Improvement & Widening of MDR 45 from Eastern boundary of Cuncolim at Akamol to Ambaulim junction in a length of 3.10 km.
- Upgradation of MDR 26 in the stretch between Navelim & Amona in a length of 4.80km in Pale constituency
- Construction of approaches to Paular bridge at Navelim on MDR 25 in between Sanquelim and Navelim in Pale

39.915 kms surface improvement of existing roads was carried out during 2011-12 (upto September 2011)

### Rural Roads

The following works were completed during the year 2011-12 (upto November 2011)

- Improvement and widening of existing roads and laying the hot mixed bituminous/asphaltic concrete near Carambolim lake and road leading to Jesus and Mary convent to Panchamanas and at the Dhando in V.P Carambolim.
- Improvement of road by laying 25mm thick a/c to various branch roads in Siridao in St. Andre
- Providing and laying hotmix carpet on connecting roads from Pinto Bar via St. Rock Chapel Fatrade upto Tamborim touching Varca, Mobor MDR in Navelim Constituency.



- Streng. & Hotmixing of road leading to Monte Hill including branches in Margao.
- Improvement & Black topping of the road at Amadi Keri in V.P. Keri in Priol in a length of 2.00kms.
- Improvement to the road by providing hot mix carpet to the road from Mestabhat to Socoro Manas and from Ida Vaz's house to Prabhakar Tari's house in V.P. Shiroda.
- Hotmix of road from Poira bridge near Ganesh temple to Poira Corjua in Mayem.
- Improvement & hotmixing of road at Gaowada Velguem in Pale.
- Improvement of roads from MDR - 49 to Government High School Agonda & Karashimol by providing hot mix carpet in a length of 3kms in Agonda in Canacona.

42.80 kms of surface new rural roads was carried out and 262.62 kms of surface improvement of existing roads were carried out during 2011-12 (upto September 2011)

Under Tribal Sub-Plan the following works were completed during 2011-12 (upto November 2011).

- Improvement of Internal roads and drainage system at Novapai in V.P. Sarzora.
- Widening and strengthening of roads by providing hotmix near Military Camp Aquem Baixo in Navelim.
- Improvement & blacktopping of road from Shaba Phadte house to Gajanan Jambhale house in V.P. Betki, Khandola in Priol
- Improvement of the road carpet by providing hot mix to road from Makadsai to Gananath High school in V.P. Bethora Nirankal in Shiroda.

### **Touristic Roads**

The following works were completed during the year 2011-12 (upto November 2011)

- Widening of road from Old Market Circle to Colva beach in Salcete Taluka.
- Widening and strengthening of Agonda beach road in Canacona

### **Central Roads Funds**

The following works were completed during the year 2011-12 (upto November 2011).

- Widening into 2 lane and improvement of riding quality of SH No.1 (Bet. 16.400 to Km.23.350) from Bicholim to Sanquelim in a length of 6.95 Kms. in Bicholim Taluka
- Widening to 2 lane and Improvement of S.H.No.1 between Km 23/350 to Km 28/00 from Sanquelim to Honda in a length of 4.65Km in Bicholim Taluka.

### **Western Ghats Development Programme**

Construction of one culvert has been carried out in Water shed areas of Colsai in Sanguem Taluka during the year 2011-12 (upto September 2011).

## **8. URBAN DEVELOPMENT**

Under the scheme of " Integrated Development of Major Towns (IDMT), Construction of market complex at Upper Bazar Ponda, renovation of existing garden in Quepem Municipal Area, construction of market complex at Chaudi, Canacona, construction of Administrative Building for Valpoi Municipal Council and construction of Cuncolim market cum community hall are in progress.



Under JNNURM Scheme, the City Development Plan ( CDP ) for Panaji City 2013 was prepared by GSUDA through HUDCO Chennai. The CDP has been approved by Government of India. Similarly under UIDSSMT – sub scheme of JNNURM, the following works have been completed under Bicholim Municipality.

- a) Road Network – 1.75 kms,
- b) Pedestrian Pathway – 1.75 kms.
- c) Sewerage line – 1.75 kms.
- d) Storm Water Drainage System – 1.40. kms

### **TOWN & COUNTRY PLANNING**

The surface utilization plans under Regional Plan 2021 pertaining to all the talukas are already completed and approved by the TCB Board. The said plans are already notified for implementation after obtaining necessary government approval.

On account of the various issues raised by the different village panchayats on the plan, the government has decided to incorporate genuine errors/corrections received from the respective village panchayats after following the procedure to be set by the government.

The collection of Infrastructure Tax till November 2011 has been Rs. 14.31 crore as against the target fixed of Rs. 30.00 crore, for the year 2011-12.

### **FIRE SERVICES**

Since its inception in 1984, the department has progressively expanded and covers most of the geographical area of the State with 14 functional Fire Stations situated at Panaji, Vasco, Pernem, Mapusa, Pilerne, Ponda, Kundaim, Old-Goa,

Bicholim, Valpoi, Margao, Verna, Curchorem and Canacona and one Logistic Support Fire Station at State level (Fire Force HQ. Panaji). However local features are taken in to account in locating the Fire Station.

Land for Fire Station at Bicholim has already been identified and approved by the Government and further process of Land Acquisition is in progress. The Department is looking out for suitable land for construction of Modern Fire Station at Canacona, Pernem and Valpoi so that the existing Fire Stations which are functioning in Make-Shift arrangements can be shifted in permanent ones. A new Building for Curchorem Fire Station, which is presently operating from Police Station, is under Construction, which is slated to be completed in the year 2012-13.

Government has approved an Outpost Fire Station at Pato Plaza, Panaji. The land is yet to be made available by the EDC. This Outpost will serve to reduce response time in case of Fire and Emergency incidents in the area, which predominantly has High Rise Buildings.

The Department is always in a state of preparedness to respond to any Fire or Emergency call. The standard turn-out time at any of our Fire Stations is 30 seconds. The actual time of arriving at a scene of incident varies, depending on the distance from the Fire Station and traffic and road conditions. Presently, major Fire Stations in the State of Goa are equipped with Pneumatic & Hydraulic Rescue tools and other Fire Fighting equipments, continuous efforts are made to update the Fire Fighting equipment available to the Fire Stations and the Fire Force Headquarters (Logistic Centre). During

the XIth Five Year Plan, Search, Rescue and Fire Fighting Equipments such as Hydraulic Cutting and Breaking / Rescue Tools, Portable Air Compressor Unit, Extension Ladders, Portable Fire Pump, Canister Masks, Portable inflatable emergency lighting system, Glass Management Kit, Encapsulated Gas Tight Chemical Protective Suit, Victim Location Unit (search camera). have been distributed to various Fire Stations in the State.

Construction of a modern Fire Station at Curcholem has been taken up and is being implemented through the Goa State Infrastructure Development Corporation. The Pilerne Fire Station Building at Saligao has been commissioned from 30.08.2011. This is the 14<sup>th</sup> Fire Station of the State. The land for Fire Station Building at Bicholim was identified and approval in principal has been obtained for acquisition of land and related work is in progress.

An Ultra Modern Fire Fighting Appliance viz; 32 meters Aerial Ladder Platform for High Rise Building Life Rescue and Fire Fighting has been procured and the same will be made operational after imparting training to the fire personnel. Equipments such as Quick Response Vehicle with High Pressure Pump with Water Mist Technology and Hand Combi Tools have been procured.

### Training/Degree Course

Under the E-Services policy of Government, online application facility for issue of Fire Report, No Objection Certificates and Renewal of No Objection Certificate is being provided from December'2011.

As a part of the Departments initiative in imparting Fire Safety awareness a "Training of Trainers" Programme for teachers from all the Schools in the State of Goa was initiated. 1696 teachers have so far been imparted training in "Basic Fire Safety and Evacuation Drill". As a follow-up action of "Training of Trainers" Programme for Teachers an Evacuation Drill Mock Exercise will be carried out in a phased manner in all the schools in the State in association with Directorate of Education. Full employment achieved for all the four batches of B.Sc. Fire Technology is a significant achievement.

2583 candidates have been imparted training in Elementary Fire Prevention and Fire Fighting sponsored by Private/Governmental agencies from different parts of the country. As part of the Human Resource Department 3 Officers were deputed to participate at the 8<sup>th</sup> International Conference & Exhibition "Fire India – 2011" at New Delhi, 2 Officers were deputed to attend a Preparatory Workshop in connection with Indian Ocean wide Tsunami Drill at National Centre for Ocean Information Services (INCOIS), Hyderabad and 1 Officer was deputed to undergo "Training of Trainers" in Urban Search & Rescue and Medical First Responders at Mumbai. Service Delivery

One serious challenge was posed to the Department by a fire involving Petroleum Product Naptha due to rupture of multi-utility pipeline of Zuari Oil Tanking Limited, which broke out at Varunapuri Mangoor Hill, Vasco on 19.08.2011 and Dhaktollem on 20.08.2011. The drinking water wells and a stream were also contaminated with Naptha which caused secondary

fires involving Residential Houses and posing threat to Human lives. The major conflagration was brought under control in two days with all the resources of the department mobilized for the purpose. The smouldering fire which continued for several days due to seepage of Naptha liquid in the soil and water course (nallah) as well as wells in the vicinity was finally completely put out in 19 days. 33 other Major Fire and Emergency incidents during the year were tackled effectively and promptly.

During the period (January to October 2011), the Fire & Emergency Services

have collectively attended 1904 fire calls and 2162 emergency calls, during which 106 human lives and 219 animal lives were saved. Property worth Rs.86.64 crores was saved/salvaged due to timely action of the Fire Personnel.

During the period from April' to October'2011, an amount of Rs.9.23 lakh has been remitted to the Government Treasury towards training charges. 1713 Fire Prevention inspections have been conducted during the year and an amount of Rs. 22.07 lakh towards licence fee has been credited.

# AGRICULTURE & ALLIED ACTIVITIES

Agriculture was the primary occupation of the people before liberation with about 59 % of its population engaged in agriculture and allied activities. After liberation, with the rapid development in tourism, mining, industries and other service sectors, growth under this sector gradually went on declining and as per 2001 census only 15 % of the State's population is engaged in agriculture and allied activities.

The rapid development of non-agriculture sectors of the economy has been putting in tremendous pressure on agricultural land, and farmers have disposed off their lands in view of the high prices offered for their land, as compared to the very less income obtained from cultivation. Due to this, land under crops is on the decline.

The sectoral composition of GSDP shows that primary sector which accounted for 49.5 % in 1961, accounts for only 11.39% in 2009-10. Scarcity of labour and its high cost coupled with small size of land holdings has made agriculture uneconomical. Further the youth are not attracted towards agriculture, due to less returns from agriculture and availability of more lucrative jobs in tourism and other sectors.

Since improvement in the performance of agriculture and allied services is imperative for growth to be inclusive, the Government has taken various steps in the recent past in the form of motivation of youth to take up agriculture and

horticulture coupled with extensive farm mechanization and incentive schemes such as contract farming, linking of farmers to marketing system for disposing their agricultural produce and subsidy support offered on agricultural inputs and machinery / equipments, ranging from 50% to 90%, Minimum support prices and farmers training, efforts to bring fallow land under cultivation etc., have gone a long way in reversing the downward trend seen under this sector in the past.

Table 6.1 below, gives a comparative picture of the area and production under various crops at the time of liberation and that in 2010-11. It is seen from the table that although area under paddy has declined by 7.34%, the production of paddy has increased by 115.75% over the said period, which can be attributed to improved varieties of paddy seeds, farm mechanization and improved irrigation facilities.

However, in the case of mango crop, though the area under cultivation has increased by three folds since the time of liberation, the production of mangoes has decreased by around 30%, which is due to the sudden changes in the climatic conditions during the flowering season witnessed in the last few years. In case of crops such as groundnuts, sugarcane, pineapple and vegetables, there has been an increase both in area and production of these crops.

**Table 6.1**  
**Crop coverage under different crops in the year 2010-11 against the time of liberation of Goa**

Name of the crop	Area (Ha)			Total production (Ton)		
	1960-61	2010-11	% increase	1960-61	2010-11	% increase
Paddy	50302	46612	-7.34	79948	172489	115.75
Pulses	6998	7550	7.89	3500	7982	128.06
Groundnuts	50	2885	5670.00	49	8287	16812.24
Sugarcane	70	921	1215.71	2822	49108	1640.18
Cashewnut	32517	55732	71.39	3000	23138	671.27
Coconuts **	18497	25718	39.04	70	128.88	84.11
Arecanut	1721	1713	-0.46	1735	2818	62.42
Mango	1570	4750	202.55	13229	9284	-29.82
Banana	1100	2250	104.55	6600	25006	278.88
Pineapple	40	271	577.50	400	4530	1032.50
Vegetables	78	5880	7438.46	634	60472	9438.17
Other fruits	4356	3776	-13.31	50894	40850	-19.74
Oil Palm	--	829		--	2146	
Pepper	--	731		--	232	
Tree Spices	--	148		--	4	

Source: Directorate of Agriculture

At the time of Liberation, production of foodgrains was about 0.83 lakh tones per annum which has gradually increased to 1.80 lakhs tonnes in 2010-11. Rice is the main cereal crop of Goa, which occupies total cropped area of 46,612 ha (2010-11) comprising about 29% of the total cropped area. The production of cashewnut and coconut has also increased from 3000 tonnes and 70 million nuts to 23138 tonnes and 128.88 million nuts respectively in 2010-11. Sugarcane production, which was negligible in 1961, has increased to 49108 tonnes in 2010-11.

Presently the gross area under crop cultivation is 166258 Ha. and the net cropped area is 134601 Ha. (an area of 31,657 Ha. being cropped twice). Total

irrigated land is 59,522 Ha. and land under horticulture crops is 104953 Ha. Major crops grown are Paddy, Pulses, Vegetables, Groundnuts, Banana, Sugarcane, Coconut, Cashew, Mango and Arecanut. Production of horticulture crops has increased in recent years.

After Liberation production of foodgrain crops and Horticulture crops in the State have been showing an increasing trend, which may be attributable to improved varieties of paddy seeds like KRH-2, PHB71, PA6222, sahayadri etc and quality cashew grafts of variety Vengurla-4, Vengurla -7, Vengurla -8 and Balli-2(Goa-1), besides better extension practices, mechanization, improved irrigation facilities etc.



One of the major obstacles for development of Agriculture is the fragmented ownership of land. Distribution of holding by Five major classes, Category-wise holding and taluka-wise distribution of operational holdings are given in Annexures 26, 27 and 28 respectively.

**Rainfall**

The normal annual rainfall of the state is 2750 mm. The total rainfall during the calendar year 2011 was 3750.8 mm, which is slightly less than the last year rainfall of 3786.7 mm (2010).

**Table 6.2**  
Rainfall in Goa

Year	In mm
2005	3345.1
2006	2608.0
2007	3689.0
2008	2829.8
2009	2934.4
2010	3786.7
2011	3750.8

Source: Goa Observatory, Panaji.

**Goa State Horticultural Corporation**

The marketing network of the corporation has been engaged by Government to provide respite to the common man from the rise in prices of essential commodities. This has also resulted in increase in the corporation’s income. The annual turnover has increased from Rs. 1 crore in 2007-08 to over Rs. 25 crore in 2011-12.

The Corporation now has a network of 427 outlets spread all over the State and sale points catered by 14 mobile vans, catering to over 27000 people per day and selling over 100 tonnes of vegetables per day. Since these outlets are operated by members of local self help groups and other local individuals, the corporation

has created direct self employment opportunities to over 427 local families.

During the year 2010-11 a quantity of 7.5 tonnes of vegetables was procured from local farmers and marketed through GSHCL outlets. During 2011-12 upto November, 2011 a quantity of 17 tonnes of locally produced vegetables were procured at existing market rates from local farmers and marketed through GSHC sales network.

**Development of Horticulture**

*Rejuvenation/Replacement of Senile Plantation & Canopy Management:*

Under horticulture, rejuvenating the old cashew nut gardens are taken up by providing required inputs and taking other measures such as soil and water conservation, pruning of dead wood, removal of senile trees and filling the gaps in the open areas. Assistance is provided to the grower in the form of inputs for manuring, micro nutrients, integrated pest management and for contour bunding/trenching @ Rs.15,000/- per hectare. A maximum area of 4 Ha per individual farmer is covered under the programme. 700 Ha of area is covered under the scheme in year 2011-12.

*Assistance for Cultivation of Banana/Pineapple/Papaya:*

The standard cost of cultivation of banana, pineapple and papaya crop is fixed to be Rs.90,000/- per hectare. The assistance of 50% would be provided for cultivation of the above crop towards planting material, manures, fertilizers and pesticides on need basis for plant protection measures limited to Rs. 45,000/-. The farmers are also provided assistance under National Horticulture Mission (NHM).

**Table 6.3**  
Assistance under Cultivation of  
Banana/Pineapple/Papaya

Item	Unit	2008-09	2009-10	2010-11
Assistance for banana /pineapple/ papaya cultivation	Ha	73.77	84.00	49.69
No. of farmers assisted	Nos	1073	424	265

Subsidy has been given for construction of two ripening chambers one at Ponda (22 tonnes) and the other at Valpoi (2 tonnes) amounting to Rs. 23.00 lakh and 5.00 lakh respectively. The projects are fully operational and are being used by farmers for ripening of banana, mango and other fruits by using the ethylene gas. Subsidy has been given for purchase of one refrigerated van (6 tonnes) under National Horticulture Mission (NHM) amounting to Rs. 4.80 lakh.



Ripening Chamber

**Assistance for Cultivation of Fruits/Spices, Etc:**

There are many fruits and spices which can be cultivated on commercial lines as intercrop with coconut but no assistance is provided for cultivation of these fruits/spices by Government of India under National Horticulture Mission (NHM). The assistance for all those fruits and spices which are not provided assistance under any other Government of India/ State schemes would be provided subsidy of 50% of the cost or limited to Rs. 20,000/- per

hectare. Fruits like Chickoo, Kokum, Breadfruit and spices like Ginger/Turmeric, etc. are covered under this programme.

**Table 6.4**  
Assistance under Cultivation of Fruits/Spices

Item	Unit	2008-09	2009-10	2010-11
Assistance for Cultivation of Fruits/Spices	Ha	32.00	27.91	32.94
No. of farmers assisted	Nos	71	64	87

Cultivation of Spices

**Assistance for Cultivation of Flowers & Protected cultivation for growing Flowers and Vegetables:**

The demand for high value flowers like Orchids, Anthuriums and Gerbera and high value vegetables is showing an increasing trend due to increase in tourism activity and other events in the State. To cultivate these flowers and high value vegetables, 90% assistance is provided for covered cultivation, of which 50% assistance is provided by Government of India and 40% assistance by the State Government.

Depending upon the structure, the amount of subsidy per sq. mt is fixed. The minimum assistance provided for under protected cultivation, for 100 sq. mts per individual farmer/entrepreneur and maximum assistance for 4000 sq. mts per individual farmer/entrepreneur with maximum ceiling of Rs. 200/- per sq. mts.

**Table 6.5**  
Assistance under Protected Cultivation of Flowers & Vegetables

Item	Unit	2008-09 (Actual)	2009-10 (Actual)	2010-11 (Actual)
Assistance for flower cultivation	Ha	7.65	2.94	2.00
Assistance for protected cultivation	Ha	0.12	0.10	0.03
Number of farmers assisted	Nos	59	18	2



Protected Cultivation

**Assistance for digging of well:** The farmers are provided 75% subsidy on actual cost of digging of well to generate new irrigation sources. The amount of subsidy is limited to a maximum of Rs. 75000 per well. During 2011-12 upto November 2011, the assistance was provided for digging of 100 wells.

**Table 6.6**  
Assistance under digging of well

Item	Unit	2008-09	2009-10	2010-11
Assistance for digging of irrigation wells	Nos	158	153	74

**Assistance for water pump set:** Assistance of 90% of the cost of water pump up to 5 HP and 50% of cost of water pump set above 5 HP is provided. Assistance is also given for replacement of pumps which are more than 5 years old @ 50% of the cost of pump set upto 5 HP and 25% of the cost for pumps above 5 HP. The pumps required to be replaced for upgradation of system for sprinkler /drip irrigation are being provided assistance @ 90% upto 5 HP. An area of

100 ha has been brought under sprinkler and drip irrigation system. Besides, farmers have been provided subsidy for creating infrastructure for irrigation for constructing wells and storage tanks, laying of water conveying pipelines for irrigation system. During 2011-12 upto November 2011 assistance was given for 53 pumps sets.

**Table 6.7**  
Assistance for water pump set:

Item	Unit	2008-09	2009-10	2010-11
Assistance for installation of electric pump sets	Nos	316	319	274



Sprinkler irrigation

**Assistance for water conveying pipeline:** In order to avoid transition loss of water in open channels due to percolation of water in porous and light soils in horticultural gardens, assistance is provided for water conveying pipeline from the water source to the last point of the field. The pipeline should be of BIS or ISI mark either of RPVC or HDPE with minimum 50 mm diameter. The assistance would be up to 50% of the cost limited to ` 40,000/- as per the actual pipeline purchased whichever is less. During 2011-12, upto November 2011 a length of 4521 Rmts was covered benefiting 25 farmers.

**Table 6.8**  
Assistance under water conveying pipeline

Item	Unit	2008-09	2009-10	2010-11
Assistance for water conveying pipe line	Mts	98	100	66

All efforts are being made to increase the productivity and production of different crops grown in the State by making available at the doorsteps of the farmers the latest technology and inputs required. Trainings are also being conducted to upgrade the skill of the farmers and farmers are taken on exposure visit both within and outside the State. Subsidy is also being provided so that entrepreneurship is encouraged to start post harvest activities in the State.

**Support Price & Crop Compensation**

Prices of agricultural produce sometimes fall below breakeven point level and farmers have to incur heavy losses. The department provides support/assured price to cashew, coconut, arecanut, paddy, sugarcane, oil palm and alsando.

Arecanut producers are provided assured price to the extent of difference between the actual sale price received by them and the base price of Rs.100/- limited to Rs. 20/- per kg. for supari category and Rs. 10/- per kg. for others i.e. khoka, Lalkhoka, vench. The likely anticipated achievement up to March 2012 is 3500 beneficiaries. The support prices for cashew production are provided to the extent of difference between the actual prices received by the farmer and Rs.50/- limited to Rs. 10/- per kg. of cashew nut. The likely anticipated achievement up to March 2012 is 270 beneficiaries.

The coconut producers would be provided assured price of Rs. 5/- per nut. The difference between the assured price and actual price sold to Agricultural Marketing Board would be provided as support. The likely achievement in 2011-12 is 700 beneficiaries. Support price of Rs.500/- per tonne was also given for the sugarcane supplied to Sanjivani Sugar Factory including assistance for

harvesting. The achievement upto November 2011 is 48874 beneficiaries.

Support price to the extent of difference between Rs. 7000/- per tonne and amount paid by the Company i.e. M/s Godrej IJM Palm Oil Ltd. to the growers. During 2011-12, upto November 2011, the achievement was 450.61 MT. Support price for paddy is given to the extent of Rs. 7/- per kg. upto 7000 kgs. per individual for produce sold to approved designated Cooperative Societies, private rice mills or approved agencies in one cropping season. 350kgs per ha would be considered as standard production for providing the support price. During 2011-12, upto November 2011, 1405.27 MT of paddy was covered. The number of cultivators who have benefited by the support price under various crops during the year 2008-09 to 2010-11 is given in table 6.9 below

**Table 6.9**  
**Support Price & Crop Compensation**

Item	Unit	2008-09	2009-10	2010-11
Support Price paid to				
Sugarcane (no. of cultivator)	Nos	1280	1117	1075
Paddy (no. of cultivator)	Nos	3018	3299	5501
Oil Palm (no. of cultivator)	Nos	NIL	139	411
Arecanut (no. of cultivator)	Nos	2716	2770	2951
Cashewnut growers	Nos	NIL	199	840
Coconut growers	Nos	810	829	990

**Crop Production and Input Management:**

Under crop production and input management, assistance is given for quality /certified seed of paddy, pulses and groundnut which is supplied to the farmers through authorized Cooperative



Societies/departmental offices at 50% which is subsidy provided at source. During 2011 -12 upto November 2011, 336.15 Mts of seed was procured and distributed to the farmers and the likely achievement upto March 2012 is 460 Mts.

**Jalkund**

The concept of “Jalkund” for water harvesting in agriculture, to irrigate crops on hill slopes where no irrigation facilities are available had been introduced in 2009-10. The target of constructing 376 number of Jalkund during 2011-12, has been achieved.



Jalkund

**Table 6.10**  
Assistance under construction of Jalkund

Item	Unit	2009-10	2010-11	2011-12 (Dec 11)
Jalkund Constructed	Nos	143	290	282

**Assistance for Fencing**

Under fencing, assistance of 50% and 70% of the cost is provided for erecting barbed / G.I. wire, stone wall / G.I. or synthetic chain link and live fence with maximum subsidy of Rs. 1.50 lakhs. to General and SC/ST categories. During 2011-12, upto November 2011, 34.04 Rkms was achieved and likely achievement upto March 2012 is 70.00 Rkms. Assistance of 90% to all categories and farmer groups is provided for solar power battery fencing.

Achievement during 2011- 12 upto November 2011 is 16.38 Rkms and likely achievement upto March 2012 is 150 Rkms.



Fencing

**Table 6.11**  
Assistance for Fencing

Item	Unit	2008-09	2009-10	2010-11
Protection of cropped areas (Assistance for fencing)	R.Km	82.805	84.713	94.593

**Distribution of Minikits**

Minikits of upto five kgs of new and improved varieties of paddy, pulses and groundnut are provided free of cost to farmers for trial purpose. During 2011-12, upto November 2011 about 162 minikits were distributed and the likely achievement upto March 2012 is 300 Minikits.

**Table 6.12**  
Distribution of Minikits

Item	Unit	2008-09	2009-10	2010-11
Distribution of seed minikits	Nos	1220	1500	790

**Assistance for sugarcane development under new area expansion / replanting**

Assistance of 50% of the cost, limited to Rs. 40,000/- per ha split over two years are provided on inputs and labour for scientific sugarcane cultivation for a minimum area of 0.2 ha and a maximum



of 2.0 ha per farmer. Achievement upto November 2011 under New Area Expansion or replanting is 68.74 ha and likely achievement upto March 2012 is 200 ha.

**Table 6.13**  
Assistance under Sugarcane development

Item	Unit	2008-09	2009-10	2010-11
New Area Expansion / Replanting	Ha.	31.00	17.65	157.31
No. of farmers assisted	Nos	80	289	228

**Custom Service**

In order to bring more area under paddy, sugarcane, pulses, groundnut and to economize on the cost of cultivation by the farmers, 50% subsidy on custom service at standard hire charges for tractor, power tiller, mini tractor and paddy combine is provided at source for machinery availed by farmers from approved machinery centres such as departmental/sugar factory/CADA etc.

Assistance is also provided on reimbursable basis, for machinery from Village Agro Service Centre and individuals assisted by the Department for tilling of fields and harvesting of the paddy by use of combine. 3613 number of farmers are assisted under this programme.

**Table 6.14**  
Assistance under Custom Services

Item	Unit	2008-09	2009-10	2010-11
Custom Service	Hrs	11362	10845	21808
No. of farmers assisted	Nos	2716	2608	5789

**Mechanization in Agriculture**

Farm machinery like tractor, power tiller, mechanized weed/brush cutter, bullock drawn implements etc. are useful in reducing cost of cultivation and harvesting. Introduction of paddy combine has resulted in timely harvest of

paddy reducing the losses and overall profitability of the crops.

During the year 2011-12 farmers are provided subsidy to the extent 75% of standard cost or actual cost whichever is less, irrespective of their categories. Table 6.15 gives the component wise achievements under modern machinery.

**Table 6.15**  
Assistance under Modern Machinery

Item	Unit	2008-09	2009-10	2010-11
Combine Harvester	Nos	-	-	5
Tractor	Nos	4	9	23
Mini Tractor	Nos	10	28	17
Power Tiller	Nos	153	147	206
Weed / Brush Cutter	Nos	282	350	442
P.P. equipments	Nos	174	177	220
Mini Weeders	Nos	--	--	--



Paddy Combine

**Plant Protection**

Under plant Protection, good management of farm, starts with management of soil. The soil nutrient status of each farm need to be assessed, therefore 100% soil analysis of each portion of agricultural land is adopted to ensure that the farmer's, make judicious use of the available fertilizers. Assistance provided to farmers under this programme is given in table 6.16.

**Table 6.16**  
Assistance under Plant protection

Item	Unit	2008-09	2009-10	2010-11
Assistance for biopesticides & biocontrol agents	Ha	150	250	1098
Assistance for pesticides / fungicides diseases	Ha	940	940	1098
Uprooting and destruction of Eupatorium & other nuisance weeds	Ha	189	240	505
100% seed treatment	Ha	10000	10000	10000

### State Agricultural Awards

In order to motivate and encourage farmers during the current year 2011-12 agricultural awards were presented to the best performing self cultivating farmers in Goa. Shri. Nilesh D. P. Velgunekar from Ponda Taluka was awarded Krishi Ratna. Smt. Pratiksha P. Gawas from Pernem Taluka was awarded Krishi Vibhushan. Shri.ChinmayTanshikar from Sanguem Taluka and ShriKiran Shirodkar from Pernem Taluka shared the Krishi Bhushan award.

### Repairs to Embankments

In Goa State there are 18000 hectors of saline lands locally named as Khazan lands, which are lying reclaimed / reclaimable lands. The Khazan lands have to be protected from seawater inundation by construction of embankment marginal to the rivers and creeks. A sluice gate is an integral part of embankment. There are about 550 bunds of total 450 kms length. These bunds are repaired at a cost of 90% by government or with 50% subsidy whenever tenants association repairs the same.

**Table 6.17**  
Assistance for Repairs to Embankments

Item	Unit	2008-09	2009-10	2010 -11
Category I, II & III	Rkm	11.05	18.00	22.00

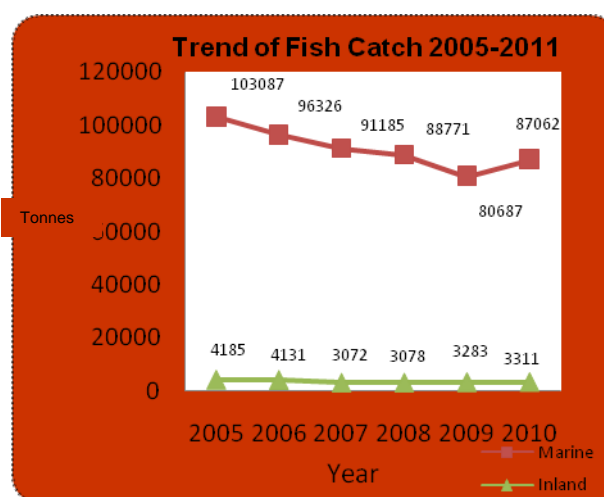
### Western Ghats Development Programme

Under the W.G.D.P. an area of 75 ha is covered with planting of trees, shrubs and medicinal plants. Krishi Mohatsav was organized at State / Taluka level for promotion of traditional fruits, vegetables and artifacts through Farmers Organization under W.G.D.P. It got response from more than 100 farmers groups having membership of approximately 6000 farmers and student community also participated in this mela. Various agencies had setup their stalls to popularize various improved agricultural inputs / techniques.

### Fisheries

The share of fisheries in GSDP of Agriculture & Allied Sector was 1.34% in 2010-11. The area suitable for inland fishing is of 100 hectares. Besides, seven rivers creeks originating from Western Ghats and meeting the Arabian sea, the Mandovi and Zuari are the medium size, with Chapora, Sal, Terekol, Talpona and Galzibag of smaller size and various estuaries provides excellent nurseries for major fishes as well as good shelter for fishing crafts.

**Graph 6.1**  
Trend of Fish Catch 2005-2010



The bulk fisheries resources of Goa State are Makerels and Sardines together forming more than 40% of the fish catch landings, besides the exportable varieties of sea fish as prawns, cuttle fish, ribbon fish etc. The important variety wise quantity of inland fish catch and marine fish catch is given at Annexure 35 & 36 respectively.

The following Infrastructure development works have been completed during 2011-12.

- Construction of work of 50 meters fishing jetty in phase IV at Cutbona.
- Repair of net mending shed at Collewado Salcete
- Construction of net mending shed at Cammurlim.

- Repair of net mending shed at Badem
  - Cutting the rock which have surfaced on the sea shore at Cacara, Tiswadi
- The quantum of fish export during the year 2010 was 37212 tonnes, which realized a Foreign Exchange worth Rs. 288.91 crore.

**Table 6.18**  
Year-wise quantity of fish exported & Foreign exchange realized

Year	Quantity (in tonnes)	Value (Rs. in lakh)
2005	11002	6178
2006	14117	7299
2007	18268	9336
2008	21533	19783
2009	27009	19563
2010	37212	28891

Source: Directorate of Fisheries

**Table 6.19**  
Performance of the various schemes during 2011-12

Name of the Scheme	Unit	Number of beneficiaries 2011-12 (upto Nov'2011)
Motorization of fishing crafts scheme	No. of benef.	2
Purchase of OBM Scheme	No. of benef.	23
Financial Assistance on Goa Value Added Tax, VAT based on Subsidy scheme	Kilo litres No. of benef.	16,000 659
financial assistance towards subsidy for purchase of Kerosene for OBM scheme	No. of benef.	136
Interest Subsidy Scheme on loans for Agriculture and Allied activities	No. of benef.	165
Financial Assistance to fishermen for purchase of fishery requisites	No. of benef.	33
Supply of insulated boxes for fishermen and fisherwomen scheme	No. of benef.	397
Financial Assistance for purchase of life jackets & life buoys	No. of benef.	84
Saving cum Relief fund scheme	No. of benef.	4448
Dev. of fishermen village housing	No. of benef.	2
Safety of Fishermen at sea	No. of equipments	2091
Relief for Phyan Cyclone Victims	No. of benef.	27

**Animal Husbandry & Veterinary Services**

The foods of animal origin like Milk, Eggs and Meat have shown a steady increase in production level in the last three decades. The government has taken measures to control Anthrax, foot and mouth Disease and Hemorrhagic Septicemia (HDS) and block quarter (BQ) by restoring to vaccination of cattle. Goa is free from Rinderpest disease.

*Development of Poultry*

Presently, the Government Poultry Farm at Ela Old Goa has a stock of 15000 high quality birds of Babcock, Nirbick and Vanaraja breed. Hybrid chicks and hatching eggs produced in the farm are supplied to farmers at reasonable price.

**Table 6.20**  
**Development of Poultry (2008-09 to 2010-11)**

Item	Unit	2008-09	2009-10	2010-11
Production of Chicks	Nos	26259	18004	28085
Subsidy for estb. of poultry unit (Smaller)	No. of farmer	2	1	0
Subsidy for estb. of poultry unit (Bigger)		9	3	2

*Development of Piggery*

In order to provide good quality piggings to more and more farmers and to meet heavy demand of pork and pork product in Goa the government has taken up the expansion work of existing Piggery Farm at Curti, Ponda and almost 75% work has been completed and the balance work is expected to be completed by March 2012. The rate of piggings for sale has been increased to Rs100/- per kg to augment revenue.

Under "Assistance to farmers for establishment of piggery units" scheme

piggings are supplied to farmers for breeding purpose. During this year 2011-12 till October 111 number of piggings has been supplied.

**Table 6.21**  
**Assistance under Development of piggery**

Item	Unit	2008-09	2009-10	2010-11
No. of piggings supplied	Nos	234	312	241
Subsidy for establishment of piggery unit	Nos	8	0	1

*Assistance to farmers for cultivation of Green fodder*

Under Fodder & Feed Development scheme 11 farmers have been benefitted till October 2011 and an amount of Rs.0.30 lakh has already being disbursed.

**Table 6.22**  
**Assistance to farmers for cultivation of Green fodder**

Item	Unit	2008-09	2009-10	2010-11
No. of Mini kits supplied	Nos	1518	5613	1168
No. of farmers assisted for cultivation of green fodder	Nos	3	19	21

*Dairy Development*

A comprehensive scheme for construction of Cattle Shed, purchase of equipment, and purchase of animal under one roof known as Modern Dairy Scheme is provided to a farmer who has experience in Dairy but has no infrastructure capability. The subsidy is given upto 30% up to a maximum amount of Rs. 4.50 lakh per individual.

Under Kamdhenu scheme 153 farmers have purchased 422 animals and an amount of Rs.64,32,299/- has been released as subsidy till October, 2011. The total amount of milk produced in the state is 83,44,596 liters, while 78,13,472 liters (from April to November

2011) milk comes from neighbouring States of Karnataka and Maharashtra. During the year 2011-12, till October 2011, 4471 farmers have benefited under the “Incentive to Dairy Farmers/Milk Producers” scheme and an amount of Rs.80.84 lakh has been disbursed.

**Table 6.23**  
**Assistance under Dairy Development**

Item	Unit	2008-09	2009-10	2010-11
Modern Dairy Units	Nos	4	5	3
Assistance for rearing of Cross bred calves	Nos	3986	3039	498
Farmers benefited from Incentive to Milk Producers	Nos	6000	11710	1609
No. of Heifers/Calves supplied to Farmers	Nos	55	4	0
No. of Artificial Insemination	Nos	10847	11541	10104
No. of Farmers assisted under Kamdhenu Scheme	Nos	252	46	351
No. of animals purchased under Kamdhenu Scheme	Nos	561	635	909

**Professional Efficiency Development**

During 2011-12, 7 students have been deputed for the Veterinary course in Pondicherry and Mumbai. Farmers are regularly taken for study tours to neighboring states.

**Table 6.24**  
**Number of farmers trained for 2011-12 (Oct' 2011)**

Types of Training	SC	ST	GEN	OBC	TOTAL
Dairy	1	6	49	34	90
Poultry	1	0	3	2	6
Piggery	0	0	9	1	10

**Veterinary Health Cover and Animal Breeding**

With the network of 5 veterinary Hospitals, 21 Veterinary dispensaries and

51 Sub Centres, the facilities like veterinary health cover and Animal Breeding are provided to the farmers at their door steps. In this direction Veterinary Hospitals at Tonca, Panaji has been upgraded and commissioned with modern sophisticated equipment. State Disease Investigation Laboratory has been modernized with latest sophisticated equipment to provided backup diagnostic facilities. The postmortem section is being modernized at an estimated cost of Rs. 2.82 lakhs.

**COOPERATION**

The Co-operative Movement aims at promoting the economic interest of the people in accordance with the cooperative principles viz open membership, democratic control in management, limited interest on capital, equitable division of surplus, co-operative education and co-operation amongst the co-operators. As on 31<sup>st</sup> March 2011 there were 2697 co-operative societies functioning in the state.

**Table 6.25**  
**Progress of Co-operative Societies**

Particulars	As on 31 <sup>st</sup> March		% change
	2010	2011	
No. of Societies	2611	2697	3.29
Membership(No. in lakh)	9.13	9.22	0.99
Paid-up Share capital (Rs. in crore)	302.77	322.59	6.55
Working Capital (Rs. in crore)	5747.03	6085.00	5.88
Deposits (Rs. in crore)	3843.85	4630.70	20.47
Consumer Business (Rs. in crore)	531.63	438.64	-17.49
Amount in advances (Rs. in crore)	1840.09	4595.67	149.75
No. on Societies in loss	401	446	11.22
Of which amount involved(Rs. in crore)	106.85	157.97	47.84



**Sanjivani Sahakari Sakhar Karkhana Ltd.**

The Sanjivani Sahakari Sakhar Karkhana is the only Sugar Factory in the State. To achieve maximum possible crushing and to keep the losses to minimum level. The factory imports sugarcane from the neighboring States like Maharashtra and Karnataka.

During the year 2011-12, the financial support of Rs. 250.00 lakh have been provided to the Karkhana by way of share capital contribution and Rs.172.00 lakh as support price to the Goan Cane Cultivators.

As on October 2011 the total amount of Govt. investment by way of share capital contribution to the Sugar Factory is Rs. 54.50 crore and Rs. 7.75 crore was provided as Medium Term Loan.

**Table 6.26**  
Cane Crushing & Sugar Production from 2007-08 to 2010-11

Year	Cane Crushing (M.T)	Sugar Production (in Qtls)	Sugar %
2007-08	148028.36	146155	9.87
2008-09	107836.46	94045	8.72
2009-10	100452.57	82097	8.17
2010-11	145761.37	126167	8.66

**Other achievements**

The Goa State Coop. Milk Producers Union Ltd, Curti, Ponda has procured 127.36 lakh of liters of milk from both local and out side State for the period from 1-4-2011 to 30-09-2011. The Goa State Cooperative Bank Ltd. Panaji has advanced loans of Rs. 6007.49 lakh for agricultural and non- agricultural purposes from April 2011 to September 2011. The Goa State Coop. Housing Finance & Federation Ltd., Panaji has advanced loan of Rs. 349.45 lakh for construction of houses/ tenements during the period from 1-4-2011 to 30-09-2011.

## INDUSTRIES

The main thrust under this sector is to foster sustainable economic growth by balancing development of industry and protecting environment and natural resources. With this in view, support has been provided to Micro, small and medium sector in a big way.

Tiny and village industries play a vital role in the process of industrialization by creating an atmosphere for entrepreneurship to flourish and an entry point for new entrepreneurs who can start small and then grow big. Small scale industries are also vehicles for achieving a boarder regional spread of industry and are generally more employment intensive per unit of capital than large scale industry and above all non-polluting and environment friendly.

### Single Window Clearing Mechanism

The Directorate of Industries, Trade & Commerce with a view to streamline the procedure of obtaining speedy approval for setting up of units has devised a Single Window Clearing mechanism.

In the interest of general public, the procedure with regard to the setting up of industry in Goa has been simplified. Any entrepreneur who intends to set up new unit needs to obtain an acknowledgment of Entrepreneurs Memorandum Part – I., which is issued within 24 hours, if all the documents and the application is in order. This is valid for 2 years within which period

the entrepreneur, if gone in production should file Part – II of the Entrepreneur's Memorandum.

During the year 2011-12 (upto November 2011), 409 entrepreneurs have filed Entrepreneurs Memorandum Part – I. the sub group wise break up of which is given in Table 1.1

**Table 7.1**  
**E.M. Part – I filed during 2011-12 (upto Nov. 2011) in respect of SSI units**

Type	Units	Expected Employment Generation	Investment Proposed (Rs. in lakhs)
Micro	352	3089	2517.35
Small	55	1666	5715.00
Medium	02	112	1600.00
Total	409	4867	9832.35

Similarly, 47 micro and 20 small enterprises have been issued acknowledgment for E. M. Part – II with a total investment of Rs. 3767.03 providing employment for 1496 persons.

Taluka-wise number of SSI units as on November 2011 is given in Table 1.2. It is seen from the Table that Salcete taluka tops the list with 1651 SSI units followed by Bardez and Ponda talukas with 1376 and 1279 SSI units respectively.

The talukas of Pernem, Sattari, Sanguem and Canacona have comparatively few units ranging from 135 to 199 Units.

**Table 7.2**  
Talukawise Number of SSI units as on  
November 2011

Taluka	Number of SSI units
Tiswadi	1092
Bardez	1376
Pernem	199
Bicholim	442
Sattari	184
Ponda	1279
Sanguem	135
Canacona	160
Quepem	341
Salcete	1651
Mormugao	646
Total	7505

The growth in the number of Small Scale Units registered from 1970 onwards is given in Table 1.3. It is seen from the Table, that there has been a tremendous growth in the number of SSI Units during the period 1975 to 1980 and thereafter the rate of growth, as compared to the previous year has shown a continuous downward trend. During the period 2005 to 2010 the growth in the number of SSI Units was only to the tune of 6 percent.

**Table 7.3**  
Growth in the Number of SSI Units since  
1970

Years	No. of Units	% increase over previous year
1970	305	
1975	756	148
1980	1323	175
1985	2310	75
1990	3924	70
1995	4995	27
2000	5949	19
2005	6954	17
2010	7350	6
2011 (upto Nov)	7505	2

### Large Scale Industries

The State has a High Powered Co-ordination Committee (HPCC) on Industries to accord permission for

setting up of large scale industries in the State. The High Powered Co-ordination Committee (HPCC) has approved/ cleared proposals in respect of 21 units during the year 2011-12, upto November'11 with a total investment of 1594.54 crore and an employment potential of 2504 persons.

The HPCC has collected a regularization fee amounting to Rs. 1.55 lakh from 17 units towards registration/ graduation/ expansion/ diversification of the large units and Rs. 20.00 lakh from four units, towards regularization of unit during the year 2011-12, upto November 2011. Taluka-wise number of large scale units in Goa is given in Table 1.4 below.

**Table 7.4**  
Talukawise number of Large Scale Units in  
Goa

Taluka	No. of Units
Mormugao	16
Ponda	37
Bicholim	15
Quepem	4
Tiswadi	11
Salcete	58
Sattari	8
Bardez	25
Sanguem	7
Pernem	2
<b>Total</b>	<b>183</b>

### Delivering of e-Service

The following e-Services have been hosted on the State Data Centre and are available to the citizens for filing e-applications on-line on the website <http://www.eservices.goa.gov.in> as well as through Lok Seva Kendras:

- Application Form of Entrepreneurs Memorandum – I (EM-I), Capital Contribution Scheme, Interest Subsidy Scheme, Incentives for

Certification & Patenting Scheme. Incentives for Women Entrepreneurs Scheme, Goa State Employment Subsidy Scheme, Consumption of Local Raw Material Scheme, Financial Assistance under Prime Minister's Employment Generation Programme Scheme (PMEGP Scheme) and Goa State Export Market Development Scheme.

- Request to the High Powered Co-ordination Committee (HPCC) for consideration.
- HPCC Format: Quarterly/ Annual Reports.

### Industrial Estates

The industrial estates are being afforested in a phase manner with planting of horticultural and avenue trees. The incentives will be released to GIDC and Industrial houses for the purpose.

Land admeasuring 17,77,593 m<sup>2</sup> for expansion of Industrial Estates at Sancoale, Madkai, Tuem, Colvale & Verna as well as for setting up of new Industrial Estates at Dhargal in Pernem taluka and Poinguinim in Canacona taluka in line with the Regional Plan for Goa 2021, is in progress.

Smaller plots ranging from 500 m<sup>2</sup> to 1000 m<sup>2</sup> have been created in four Industrial Estates viz Pissurlem, Kundaim, Kakoda, and Quittol, to be provided to the smaller entrepreneurs to establish their units. Similarly, 10 nos. smaller size plots each admeasuring an area of 500 m<sup>2</sup> have been created in Verna Industrial Estate.

The Rain Water Harvesting (RWH) and Ground Water Recharging (GWR) measures at Verna Industrial Estate are already implemented. The monitoring has also been initiated. Similarly, Rain water Harvesting & Ground Water Recharge measures at Pilerne Industrial Estate & Kundaim Industrial Estate are also initiated.

The Infrastructural development in all the Industrial Estates have been carried out by way of hot-mix roads, improved street lighting, optic fiber cable networks, proper construction of drainage, etc. The Government of Goa is taking new initiative for entering into e-tendering/e-procurement. The implementation of e-tendering/ e-procurement at GIDC is in progress. Taluka wise number of industrial estates vis-à-vis number of industrial units and their employment potential is given in Table 7.5.

**Table 7.5**  
**No of Industrial Estates**

Taluka	Units	Units	Employment
Tiswadi	1	76	700
Bardez	4	223	4500
Bicholim	1	85	1200
Sattari	2	39	900
Pernem	1	44	500
Ponda	4	363	7100
Mormugao	1	138	2200
Salcete	3	511	19000
Quepem	2	42	2000
Sanguem	1	1	146
Canacona	1	30	300
Total	21	1552	38546

### Alternate sources of Energy

Government has now constituted a Co-ordination Committee under the chairmanship of Chief Secretary to provide the state support and monitor the progress of laying of gas pipeline in Goa. Time-to-time work assessment and status report is sought from GAIL

authorities through meetings. The matter is discussed with the concerned agency on their proposal Expression of Interest for street lighting, cost analysis, mapping details, etc. A scheme is being worked out to take up the illumination of Pilerne Industrial Estate.

### **Incentives to Entrepreneurs**

In order to facilitate MSM industries to access easier, adequate and timely credit from the banking sector, a scheme has been introduced whereby those MSM units in green and orange category are encouraged to go in for an independent credit rating having affiliation with agencies like SIDBI or IDBI and reimburse the actual expenditure incurred by them for obtaining credit rating service from any approved credit rating agency.

The “Environmental Management Certification – ISO 14000 Scheme” has been introduced with a view to boost excellence in environmental management thereby making Goa a model state to emulate.

In order to promote Occupational Health and Safety at the work place “The Occupational Health and Safety (OHAS) Certification Scheme” for MSME’s in green and orange category has been introduced, thereby paving the way for safe and unpolluted industrial growth.

Small industrial plots are made available at 20% concessions to the budding entrepreneurs, with special reservation for women and SC/STs in MSME category.

Ten units requiring managerial counseling have been identified. The

Goa Institute of Management is presently examining the case of one Unit. A proposal to engage the expertise of Goa Institute of Management in this field is being examined.

In order to recognize the efforts of the best entrepreneurs and to encourage competition, a scheme for State Awards has been approved and will be awarded shortly.

The Preferential Purchase Scheme for MSME units is functioning well and is a boon to MSME units in Goa. In order to extend the benefits of the scheme to many more such units the eligibility clause on turnover has been enhanced from Rs. 6.00 crore to Rs. 10.00 crore.

Entrepreneurial Resource Development is crucial for industrial development. As such, entrepreneurial development programmes are conducted every year in association with industrial associations and other technical institutions. During the current year 2011-12 eight such programmes have been organized by Fr. Agnel Charities and two more will be taken up before March 2012. In this context the proposal to support Fr. Agnel Charities in setting up a Entrepreneurship Development Institute at the land identified by them at Assagao in North Goa has been approved by the government.

To give a boost to handicrafts in the State, Marketing assistance is provided to co-operatives belonging to SC/STs. Further handicraft artisans are provided improved machinery at 50% subsidy supplemented by technical workshops in order to upgrade the product profile of Goan handicraft. Three such workshops have been



organized in the current year. The process of establishing a Handicraft Sourcing Hub at Margao under Government of India's Urban Haat Scheme is in process, which would provide a marketing platform to the handicraft artisans.

The Goa Industrial Policy, 2008 and the schemes therein have been extended for a further period of three years i.e. upto March 2014. Further action has been initiated towards framing a new Industrial policy, taking into account all changes that have taken place till date and considering the progress which the State would desire in future under this sector.

Action has been initiated to create a Technology Development Fund, to provide loans for MSME industrial units and to constitute a Gold Jewellery Promotion Board, as also to implement the Scheme for traditional Bakers and Salt producers.

A Task Force Committee (TFC) is constituted under the Chairmanship of Dr. Nandkumar Kamat to prepare a road map for promotion of the Food Processing Industries in Goa. The Committee is expected to submit its report very shortly.

The computerization and software development work of the Directorate of Industries, Trade & Commerce has been completed and a Facilitation Counter has also been set up, with a view to provide better services, information, etc to the people.

Under Prime Minister's Employment Generation Programme Scheme (PMEGP), 94 beneficiaries have been sanctioned loans by the Banks with subsidy margin money of Rs. 184.00

lakh by KVIC, Mumbai during the year 2011-12, up to November 2011.

Under Share Capital to Local Entrepreneurs and Self Employed Scheme (CMRY) during the year 2011 – 12 (up to November, 2011) an amount of Rs. 350.00 lakh have been sanctioned/ disbursed through EDC Ltd. to 313 beneficiaries as 50% Share Capital Loan to CMRY beneficiaries.

Under the scheme of Goa State Financial Incentives to the Industries for Certification & Patenting Scheme, 12 applications have been approved/ sanctioned providing subsidy amounting to Rs.13.50 lakh during the current financial year 2011-12 (upto November 2011).

Under the scheme of Goa State Employment Subsidy Scheme for the Industries, 2008, applications from 12 industrial units have been received, of which subsidy amounting to Rs. 13.80 lakh have been disbursed to 8 industrial units during the year 2011-12 (upto November 2011). The remaining four applications with subsidy amount of Rs. 3.00 lakh has been approved by the Task Force Committee and shall be sanctioned and disbursed very soon.

### **Bio- Tech Policy**

The State Government has entered into a MOU with Goa University and Goa State Industries Association for establishment of Bio-Incubator in the campus of Goa University, the cost of which is estimated as Rs. 672.00 lakh payable to Goa University to carry out the civil works and to develop other infrastructure work such as laboratories, modules for research, etc. An amount of Rs. 285.00 lakh has

already been disbursed to Goa University during last two financial years.

Three promotional schemes have been notified under the Bio Tech Policy for implementation, under which one application has been received from Bio-technology unit during the current financial year 2011-12.

### **Goa Industrial Development Corporation Ltd.**

Government of Goa has declared all the Industrial Estates of Goa Industrial Development Corporation as “Notified Areas” and since 2002 all the approval for the construction of factory building, occupancy certificate, as also expansion or diversification of the existing industrial units, are given by GIDC. In order to cope up with the pace of Industrialization in Goa, GIDC has set up a Special Land Acquisition Cell to gear up with the land acquisition proceedings.

GIDC allows revival of sick units either by giving them One Time Settlement (OTS) or allowing them to transfer the plots/ sheds to new units by charging minimum transfer fees. Similarly, it allows sub lease of buildup premises as well as of open plot and setting up of two units in one shed, which helps in setting up of new Units with less administrative and managerial cost.

GSIDC is the nodal agency for implementing the central scheme “Assistance to States for Developing Export Infrastructure and Allied Activities Scheme sponsored by the Central Government (ASIDE)”. So far the GIDC has received an amount of Rs.44.01 crore and spent Rs.40.27

crores to implement the various projects under the ASIDE scheme.

The GIDC has allotted 58 plots of total area admeasuring 1,92,066 m<sup>2</sup> to 51 industrial units and utility services in various Industrial Estates with an investment of Rs. 98.17 crore and employment generation to about 1195 persons.

### **Goa Handicrafts, Rural and Small Scale Industries Development Corporation**

The Goa Handicrafts, Rural and Small Scale Industries Development Corporation Ltd. (GHRSSIDC), a Government of Goa undertaking continue to serve the SSI Units, artisans, Self Help Groups aimed at generating self employment through various schemes/ training programmes, etc.

Under the Preferential Purchase Scheme, GHRSSIDC purchases products manufactured by local SSI units such as office furniture, computer stationery, PVC Water Tanks, RCC Pipes, etc. on Rate Contract basis and supplies them to all Government offices, Corporations, autonomous bodies, etc. GHRSSIDC is also the Consignment Agent for Steel Authority of India Ltd. (SAIL) and Coal India Ltd

The corporation also gives training and expert advice in areas of handicrafts products, rural small scale and cottage industries. During the current year the corporation has conducted 41 training classes and trained 820 persons in various crafts like Imitation Jewellery, Pottery, Coconut shell, Soft toys, Jute bag training, papad making, Decorative candles, Bamboo craft, etc.

Under marketing support the Corporation has developed its own website [www.ghrssidc.org](http://www.ghrssidc.org) and is updating the same regularly. Documentation work is in progress and the script for the same is almost finalized. The Corporation has organized “Aparant Maand” at Bicholim, an annual mega event at Ponda for Goan Artisans to display and sell their Handicraft products. The Corporation has organized 15 study tours to Karnataka benefiting 450 artisans. It has organized 8 exhibitions in and outside the State for popularizing the Goan Handicrafts. Besides above, the Corporation has participated in one International Trade Fare, at Madrid, Spain.

In order to encourage the ancient art form of clay idol making, the corporation has provided a subsidy to the extent of Rs. 100/- per idol provided the size of the idol is minimum 1 ft. height. The maximum number of idols eligible for subsidy is restricted to 150 numbers. During the year 2011-12, the Corporation has identified 523 beneficiaries eligible for subsidy under the scheme.

The GHRSSIDC has set up 10 most modern emporia in Goa providing direct marketing support to Artisans to sell their products. GHRSSIDC have opened one emporium at Rajiv Gandhi Kala Bhavan, Baba Kharak Sing Marg, New Delhi.

Under the Goa Youth Rojgar Yojana Scheme the corporation has allotted 2 kiosks during the year 2011-12 (up to November 2011).

### **Khadi & Village Industries Board**

The Goa, Daman & Diu, Khadi and Village Industries Board is a statutory organization engaged in the promotion of Village Industries and other activities under the purview of the Khadi & Village Industries Commission, Mumbai.

During the year 2011-12, the Board has identified 72 proposals under the “Prime Minister’s Employment Generation Programme” (PMEGP) Scheme, out of which 70 proposals were recommended to the Banks, with the project cost Rs. 395.97 lakh, involving subsidy component of Rs. 136.03 lakh were considered for disbursement as on 20/11/2011. These proposals are expected to provide employment to 417 persons.

The Board has acquired premises at Fatorda, Margao-Goa to open a Marketing outlet cum Sub-Office in order to cater to the needs of prospective entrepreneurs from South Goa District. The KVIB has been appointed as implementing agency to receive grants from Government of India for the Cluster Development Programme for Cashewnut processing at Morpila, Quepem.

## RURAL DEVELOPMENT AND PANCHAYATS

**R**ural Development Programmes aims to increase & provide self employment to all the persons who are living below poverty line. Various schemes have been initiated to uplift provide rural infrastructure and raise the standard of living of the rural poor. Apart from providing employment, these programmes also create social assets for strengthening the rural economy which are meant for poverty alleviation.

### Aajiveeka

The Swarnjayanti Gram Swarozgar Yojana (SGSY) has been restructured and renamed as Aajiveeka w. e. f. 5/10/2011 which is meant for the families living below the poverty line by covering them under all aspects of self employment such as organizing the poor to form Self Help Groups (SHG's) for starting any economic activity of their choice identified by each block, by providing them training, credit, technology, infrastructure and marketing. This is a holistic programme of micro enterprise development.

Assistance is given to individuals or Self Help Groups (SHGs) under this scheme. A Self Help Group shall consist of 5 member groups in the entire State. The group shall not consist of more than one member from the same family. The group is entitled to subsidy of 50% of the project cost subject to per capita subsidy of Rs.10000/- or Rs.1.25 lakh (entire group) whichever is less and for

individual Swarozgaris, the subsidy will be 30% of the project cost, subject to the maximum of Rs.7500/-. In respect of SC/ST disabled persons, the subsidy will be 50% of the project cost subject to a maximum of Rs.10000/-. During the year 2011-12 upto November 2011, the Swarogaries participated in four exhibitions and sold products worth Rs 54.03 lakh. During the year 2011-12 (Upto November, 11), 363 families have been assisted. Year-wise number of beneficiaries under Aajiveeka is given in Table 8.1

**Table 8.1**

Item	Unit	2008-09	2009-10	2010-11
SGSY	No	690	1082	1056

### Goa Saras

GOA SARAS 2011 was organized at Margao from 17<sup>th</sup> November 2011 to 28<sup>th</sup> November 2011. This was the consecutive seventh time a National Event has been organized by the State and fourth time in South Goa District. The SARAS is National Level Exhibition-cum-sale to expose different items produced by Self Help Groups (SHGs) and provide market to Swarogaries assisted under Swarnjayanti Gram Swarozgar Yojana from various states of India. The Exhibition had 150 stalls out of which 71 stalls comprising of 83 Self Help Groups from different states and 79 stalls comprising of 131 Self Help Groups (SHGs) from Goa. The total sale as a result of 12 days exhibition worked out to Rs. 50.37 lakh.

### Indira Awaas Yojana (IAY)

Under this scheme, financial assistance is provided for construction of new house and upgradation of existing house to the people living below poverty line. Financial assistance of Rs.70000/- is provided for construction of new house including sanitary toilet and smokeless chullah & Rs.15000 for upgradation of existing house. During the year 2011-12 (upto November '11), 966 houses have been completed as against the target of 1547. Year-wise new construction and upgradation of houses is given in Table 8.2

Table 8.2

Item	2008-09	2009-10	2010-11
New construction	1848	1544	1838
Upgradation	715	497	468

### Credit cum Subsidy

This scheme of rural housing is applicable to both categories BPL as well as APL. This scheme is applicable to those whose annual income does not exceed Rs.32000/-. Under this scheme, the maximum loan to be given per household is Rs.50000/- out of which Rs.37500/- will be loan from Bank and balance amounting to Rs.12500/- as subsidy, will be given to the Bank by the government after completion of the house. During the year 2010-11 as many as 78 houses have been completed and during 2011-12 (upto November 2011), 11 houses have been constructed.

### National Old Age Pension Scheme

Under this programme, pension of Rs.200/- per month is given to a person of 65 years who is having little or no regular means of substances from his/her own source of income or

through financial support from family members of other sources. Year-wise number of beneficiaries under the scheme is given in Table 8.3

Table 8.3

Item	2008-09	2009-10	2010-11
Old Age Pension	2409	2734	2136

### National Family Benefit Scheme

Under this scheme, financial assistance of Rs.10,000/- is given to BPL family on death of its Primary Bread Winner ( in the age group of 18 to 64 years).During the year 2011-12 (upto Nov' 2011), an amount of Rs.54.96 lakh has been utilized to benefit 554 families from North & South Goa Districts. Year-wise number of beneficiaries under the scheme is given in Table 8.4

Table 8.4

Item	2008-09	2009-10	2010-11
Assistance under NFBS	397	443	340

### Mahatma Gandhi National Rural Employment Guarantee Scheme

The scheme 'Mahatma Gandhi National Rural Employment Guarantee' aims at the enhancement of livelihood security of the households in rural areas of the country by providing at least one hundred days of guaranteed wage employment in a financial year to every household whose adult members volunteer do the manual work. The employment Guarantee Act is restricted to 100 days per household per year under the scheme. Different persons can work on different days or even on the same day as long as their combined days of employment do not exceed 100 days in the financial year. 4099 Job Cards have been issued during the year 2010-11. During the year 2011-12 (upto Jan.) 4999 job



cards have been issued. Year-wise wage employment under MGNREG scheme is given in Table 8.5

Table 8.5

Item	Unit	2009-10	2010-11
Wage Employment	lakh mandays	1.36	2.27

### Goa Gram Samrudhi Yojana

Under this scheme Village Panchayats are provided with the financial assistance to create durable community, social and economic assets and infrastructural development in rural areas according to their grade.

The work is executed by the Village Panchayat under the technical guidance of the Engineers of the district Rural Development Agency in the respective Blocks. Funds are released through District Rural Development Agencies for the projects approved by the Committee. Year-wise number of Community Halls and Panchayat Ghar constructed during last three years is given in Table 8.6

Table 8.6

Item	2008-09	2009-10	2010-11
Construction of Community Halls	11	9	8
Construction of Panchayat Ghars	2	4	6

### Goa Grameen Urja Yojana(GGUY)

Goa Grameen Urja Yojana(GGUY) is implemented for the benefit of the Below Poverty Line Families in the State of Goa by providing LPG connection with 2 cylinders, one gas regulator with its accessories and 2 burners one gas stove of ISI mark. The financial assistance of maximum Rs.5327/- will be provided under this scheme to eligible BPL families as one time grant. The scheme will not

provide any further assistance for refilling of domestic LPG cylinder. Year-wise no of beneficiaries benefited under this scheme is given in Table 8.7

Table 8.7

Item	2009-10	2010-11	2011-12 upto Nov'11
LPG Connection	3599	4422	2430

## PANCHAYATS

### Grants in Aid to Panchayats

Grant-in Aid is released to the weaker Panchayats to encourage them to take up various Infrastructures developmental works in the Panchayats areas. Almost all the Village Panchayats have been provided with good infrastructure facilities as well as adequate staff in order to perform their responsibilities effectively.

Matching grants are released to the Village Panchayats in proportion of the taxes collected by the Panchayats. During the year 2011-12 as on Jan'2012, Rs 492.72 lakh were released to 189 Panchayats as Matching Grants and Rs 981.16 to 84 panchayats as infrastructure grants. Year-wise matching grants and grants for infrastructure development released to panchayats is given in Table 8.8

Table 8.8

Year	Matching Grants		Gants for Infrastructure Development	
	No. of Panchayat	Amount	No. of Panchayat	Amount
2007-08	189	395.27	46	525.70
2008-09	189	395.37	76	803.39
2009-10	189	555.90	65	719.99
2010-11	189	491.82	61	573.01

### e-Service

e-services of the Village Panchayats enables the citizens to submit their applications electronically for services provided to the citizens viz Application for issue of copy of Birth Certificate, Death Certificate, Residence Certificate, Income Certificate & Search of Birth & Death Registration

### Award to Best Panchayats

Assessment of Village Panchayat in the State of Goa is made in the Category of A, B, C, D and ranking is done in the First, Second and Third place and accordingly the prizes are distributed in cash of Rs 1, 00,000, Rs 75,000 & Rs 50,000 respectively on the Panchayat Day.

During the year 2011-12 on the occasion of Panchayat Raj Day i.e. on 24<sup>th</sup> April 2011, Kirlapal Dabal (Sanguem) was awarded for "Rashtriya Gaurav Gram Sabha 2011 Award" at New Delhi.

### Mobilization of their own resources

The Village Panchayats are authorized to collect various taxes and fees under the Goa Panchayati Raj Act, 1994. The Village Panchayats are encouraged to step up the mobilization of their own resources. The Directorate is continuously monitoring the resources mobilization by Village Panchayats through inspections and issue of various directions from time to time.

### Rajiv Aawas Yojana (Rural Areas)

Under this scheme financial assistance is provided for construction of new houses and repairs of houses. Year-wise construction and repairs of

houses under this scheme is given in table 8.9 below.

**Table 8.9**

Year	2009-10	2010-11	2011-12 (Dec'11)
Construction of new Houses	860	275	399
Repairs	2208	3055	2655

### SETTLEMENT AND LAND RECORDS

With a view to provide better services to the people, government has already started issuing of computerized copies of old cadastral maps and other documents in a shortest possible time.

Presently, Record of Rights (RORs) have been hosted on official website of Department of Settlement & Land Records which gives viewing facility to the users. It is further aimed at issuing of online certified copies of Record of Rights (ROR) as well as maps through web enablement by utilizing online payment gateway. The government has already taken initiative in this regard in association with Goa Electronics Limited and National Informatics Centre. The work will be completed shortly.

### Computerization and updating of land records

The project of online updation of land records has been completed. All subordinate offices of Settlement and Land Records are intra-connected with central server under Goa Broad Band Network (GBBN) so that any plan can be issued from any office of Settlement & Land Records in the State of Goa. The plans are also being updated on regular basis with details of updation available at all offices. This system has

been further improved in order to give better service to the people.

### **Strengthening of Revenue Administration and Updating of Land Records**

The project of Re-survey is presently ongoing in the Talukas of Quepem, Canacona, Sanguem, and Salcete and is expected to be completed by March, 2012.

In order to maintain pace with the present day advancement in technology, the Directorate has purchased six more Electronics total stations and 200 Network PCs. The

total stations are being used for cadastral survey work whereas Network PCs are handed over to Talathis for updation of Crop Survey details.

### **City Survey and Cadastral Survey Operations**

During the year 2010-11, 565 properties of the cities of Mapusa, Vasco, Panaji and Margao have been confirmed. A target of 600 properties has been fixed for the current year. Computerized plans are being issued to general public in respect of all eleven Talukas of Goa.

## TOURISM

Goa has emerged as a foremost tourist destination in the country, both for domestic and foreign tourists because of its positive tourism profile in the form of natural scenic beauty, golden and silvery beaches, manmade artistic monuments, rivers and rivulets, springs, lakes and waterfalls, safety aspects, a blend of the Eastern and Western culture, very friendly and hospitable people which make Goa a veritable tourist paradise.

### Infrastructure

Presently the work of construction of Information Plaza is in progress & is likely to be completed within one year. Government has invited expression of interest for setting up of Golf Course and allied services in the land owned by the company under large revenue generation (LRG) scheme of Government of India, under which they give subsidy of Rs 50 crore. One proposal has already been accepted & approval would be submitted to Government of India, for release of funds.

Government of India has sanctioned Rs.5.00 crore for construction of Convention Centre out of which they have released Rs. 400.00 lakh during 2011-12.

Ministry of Tourism, Government of India, has sanctioned an amount of Rs. 1200.00 lakh for the project and has released Rs. 400.00 lakh during the current financial year. Colva beach is very popular beach in South Goa because of its scenic beauty & easy accessibility. It is frequented by tourists round the year. With a view to give a face lift to this beach, Government of India, has sanctioned Rs.758.07 lakh of which Rs. 606.45 lakh has been released during the current financial year.

Baga beach is very popular beach in North Goa because of its scenic beauty & easy accessibility. With a view to add face lift to the entire Baga Circuit, Government of India has sanctioned Rs.497.84 lakh of which Rs. 398.27 lakh has been released during 2011-12.

With a view to make tourists to extend their stay and spend more on tourist facilities, it is proposed to have Goa Haat at Patto, Panaji on the lines of Delhi Haat at Delhi. The scheme envisages multi cuisine restaurant, display of handicraft of all the State, stage for performance, etc.

Government of India has already sanctioned an amount of Rs. 500.00 lakh out of which they have released Rs. 400.00 lakh for starting up of the work.

### Life Safety along the beaches

420 life guards have been appointed with latest life saving equipment and deployed on almost all the beaches of Goa. Beside this, they have also undertaken the work of night patrolling services on specified beaches of Goa. Utmost importance has been given to beach cleaning and strict vigil is maintained on the work.

Special Tourist Security Force named as Tourist Security Organization comprising of Ex-Serviceman is formulated in order to provide additional protection and guidance to the tourists visiting the State. They are posted at different beaches. Besides, 250 Tourist Warden and another 250 Asst. Tourist Warden are being recruited.

### Promotion and Marketing

In order to promote Tourism and attract more tourists to the State, the Department has illuminated Churches, Temples, Monuments, and installed High Mast Lights at touristic places. Likewise High Mast Lights have been installed at Strategic location of Touristic importance.

As part of Tourism Marketing and promotion, the Department of Tourism has participated in FITUR, at Spain, Madrid, ITB at Berlin, MITT in Moscow, WTM at London and OTDYKH-LEISURE at Moscow. Besides, the Government also organized tourism related roadshows in France Italy, USA, Australia,

Turkey, Austria etc. Besides the above, the State has also participated in the domestic events at Bangalore, New Delhi, Chandigarh, Cochin, Ahmedabad, Jaipur, Mumbai etc.

### Hotel and Bed Capacity

As on 31<sup>st</sup> March 2011, there are 2641 Hotels in the state with a total of 24713 rooms and total bed capacity of 46051. The total number of Hotels category-wise with room and bed capacity and Number of Star Category Hotels with Room & Bed capacity is given in Table 9.1 and 9.2 respectively.

**Table 9.1**  
Total number of Hotels category-wise with room and bed capacity

Category	No. of Hotels	No. of Rooms	No. of Beds
"A"	59	5238	9071
"B"	192	6301	12007
"C"	373	5631	10472
"D"	2017	7543	14501
<b>TOTAL</b>	<b>2641</b>	<b>24713</b>	<b>46051</b>

**Table 9.2**  
Number of Star category Hotels with room and bed capacity

Category	No. of Hotels	No. of Rooms	No. of Beds
5-Star Deluxe	14	2364	4356
5 Star	10	907	1702
4 Star	03	303	582
3 Star	21	1164	2146
2 Star	11	593	1177
Heritage	2	31	38
<b>TOTAL</b>	<b>61</b>	<b>5362</b>	<b>10001</b>

### Tourists Arrivals

To cater to increased tourist traffic in flow, the hotel bed capacity has gone up from 44,066 in March, 2010 to 47,065 as on March, 2011.



During the season October, 2010 to May, 2011, 900 Charter flights have brought in 1,71,367 tourists. However 173 flights have brought in 31,999 tourists to the State during first two months of the season October, 2011 to May, 2012.

In all 2,17.810 (P) number of foreign tourists and 10,87,848 (P) number of domestic tourists visited the State upto August, 2011, during the calendar year 2011. The corresponding figures for the calendar year 2010 are 4,41,053 foreign tourists and 22,01,752 domestic tourists.

The nationality-wise tourist arrivals in the state during 2011 is given in Annexure 31

**Chart 9.1**  
**Nationality-wise foreign tourist arrivals during the year 2011**



## Annexure 1

Gross State Domestic Product at Factor Cost by Industry of Origin from  
2004-05 to 2010-11 at Current Prices

(Rs. in lakh)

Sl. No.	Industry	2004-05	2005-06	2006-07
1	2	3	4	5
1	Agriculture, Forestry & Fishing	99811	132317	128746
1.1	Agriculture	66193	84062	76244
1.2	Forestry & Logging	7745	8061	13290
1.3	Fishing	25873	40193	39212
2	Mining & Quarrying	56198	66973	154662
	<b>Sub Total - Primary</b>	<b>156010</b>	<b>199290</b>	<b>283408</b>
3	Manufacturing	380868	417966	462785
3.1	Registered	331707	361665	394440
3.2	Unregistered	49161	56301	68345
4	Electricity, Gas & Water Supply	28679	28189	27379
5	Construction	131314	138396	145078
	<b>Sub Total - Secondary</b>	<b>540860</b>	<b>584551</b>	<b>635242</b>
6	Trade, Hotels & Restaurant	156198	199998	216303
7	Transport, Storage & Communication	180104	181838	213618
7.1	Railways	5072	6688	8124
7.2	Transport by other means	157574	155931	183780
7.3	Storage	46	48	58
7.4	Communication	17412	19171	21657
8	Financing, Insurance, Real Estate & Business Services	143869	155917	182129
8.1	Banking & Insurance	68263	71120	86448
8.2	Real Estate, Ownership Of Dwellings & Business Services	75606	84797	95681
9	Community, Social & Personal Services	94290	111064	121583
9.1	Public Administration	42534	57832	60491
9.2	Other services	51756	53232	61092
	<b>Sub Total - Tertiary</b>	<b>574461</b>	<b>648818</b>	<b>733633</b>
	<b>Total Gross State Domestic Product (GSDP)</b>	<b>1271331</b>	<b>1432659</b>	<b>1652283</b>
	<b>Population '00'</b>	<b>14290</b>	<b>14740</b>	<b>15170</b>
	<b>Per Capita Income in Rs.</b>	<b>88966</b>	<b>97195</b>	<b>108918</b>

Contd...

**Gross State Domestic Product at Factor Cost by Industry of Origin from  
2004-05 to 2010-11 at Current Prices**

(Rs. in lakh)

Sl. No.	Industry	2007-08	2008-09	2009-10 (Q)	2010-11 (A)
1	2	6	7	8	9
1	Agriculture, Forestry & Fishing	141050	149120	167128	189019
1.1	Agriculture	84486	90531	96509	108169
1.2	Forestry & Logging	13250	15400	23587	32003
1.3	Fishing	43313	43189	47033	48848
2	Mining & Quarrying	253255	427857	500789	663876
	<b>Sub Total - Primary</b>	<b>394304</b>	<b>576977</b>	<b>667917</b>	<b>852896</b>
3	Manufacturing	507109	626249	656465	724134
3.1	Registered	425790	537741	558316	596835
3.2	Unregistered	81319	88508	98149	127299
4	Electricity, Gas & Water Supply	31992	40927	53085	68315
5	Construction	165391	197251	245077	314890
	<b>Sub Total - Secondary</b>	<b>704491</b>	<b>864428</b>	<b>954627</b>	<b>1107339</b>
6	Trade, Hotels & Restaurant	267906	322666	401853	497557
7	Transport, Storage & Communication	241914	319896	375562	430444
7.1	Railways	10258	9780	10948	11031
7.2	Transport by other means	207154	280979	329338	377862
7.3	Storage	71	84	101	120
7.4	Communication	24431	29053	35175	41431
8	Financing, Insurance, Real Estate & Business Services	212883	253263	284881	330626
8.1	Banking & Insurance	100225	120019	132929	157017
8.2	Real Estate, Ownership Of Dwellings & Business Services	112658	133244	151952	173609
9	Community, Social & Personal Services	134997	204153	266921	374553
9.1	Public Administration	62774	111344	146238	216715
9.2	Other services	72223	92809	120683	157839
	<b>Sub Total - Tertiary</b>	<b>857701</b>	<b>1099978</b>	<b>1329217</b>	<b>1633180</b>
	<b>Total Gross State Domestic Product (GSDP)</b>	<b>1956496</b>	<b>2541383</b>	<b>2951760</b>	<b>3593415</b>
	<b>Population '00'</b>	<b>15680</b>	<b>16290</b>	<b>16910</b>	<b>17490</b>
	<b>Per Capita Income in Rs.</b>	<b>124777</b>	<b>156009</b>	<b>174557</b>	<b>205455</b>

Note: 'Q' for Quick estimates & 'A' for Advance estimates.

## Annexure 2

Gross State Domestic Product at Factor Cost by Industry of Origin from  
2004-05 to 2010-11 at Constant Prices (2004-05 Prices)

(Rs. in lakh)

Sl. No.	Industry	2004-05	2005-06	2006-07
1	2	3	4	5
1	Agriculture, Forestry & Fishing	99811	123330	103611
1.1	Agriculture	66193	82977	65081
1.2	Forestry & Logging	7745	7829	7819
1.3	Fishing	25873	32524	30710
2	Mining & Quarrying	56198	59502	93351
	<b>Sub Total - Primary</b>	<b>156010</b>	<b>182831</b>	<b>196962</b>
3	Manufacturing	380868	400642	442111
3.1	Registered	331707	347604	381422
3.2	Unregistered	49161	53038	60689
4	Electricity, Gas & Water Supply	28679	30397	33895
5	Construction	131314	135685	148285
	<b>Sub Total - Secondary</b>	<b>540860</b>	<b>566724</b>	<b>624291</b>
6	Trade, Hotels & Restaurant	156198	171702	181729
7	Transport, Storage & Communication	180104	189894	213119
7.1	Railways	5072	6801	7549
7.2	Transport by other means	157574	164008	183335
7.3	Storage	46	48	57
7.4	Communication	17412	19037	22177
8	Financing, Insurance, Real Estate & Business Services	143869	157369	181519
8.1	Banking & Insurance	68263	76607	95566
8.2	Real Estate, Ownership Of Dwellings & Business Services	75606	80762	85953
9	Community, Social & Personal Services	94290	98642	106553
9.1	Public Administration	42534	46538	50211
9.2	Other services	51756	52104	56342
	<b>Sub Total - Tertiary</b>	<b>574461</b>	<b>617606</b>	<b>682919</b>
	<b>Total Gross State Domestic Product (GSDP)</b>	<b>1271331</b>	<b>1367162</b>	<b>1504172</b>
	<b>Population 00'</b>	<b>14290</b>	<b>14740</b>	<b>15170</b>
	<b>Per Capita Income in Rs.</b>	<b>88966</b>	<b>92752</b>	<b>99154</b>

Contd...

**Gross State Domestic Product at Factor Cost by Industry of Origin from  
2004-05 to 2010-11 at Constant Prices (2004-05 Prices)**

(Rs. in lakh)

Sl. No.	Industry	2007-08	2008-09	2009-10 (Q)	2010-11 (A)
1	2	6	7	8	9
1	Agriculture, Forestry & Fishing	105195	97535	100710	102496
1.1	Agriculture	68661	61534	64841	65841
1.2	Forestry & Logging	8015	8914	8417	8629
1.3	Fishing	28519	27087	27452	28027
2	Mining & Quarrying	94752	111586	139115	133823
	<b>Sub Total - Primary</b>	<b>199947</b>	<b>209121</b>	<b>239825</b>	<b>236319</b>
3	Manufacturing	457694	483695	528979	565639
3.1	Registered	388890	414243	452781	483003
3.2	Unregistered	68804	69452	76198	82637
4	Electricity, Gas & Water Supply	35493	36416	39899	42716
5	Construction	157613	167785	179378	190787
	<b>Sub Total - Secondary</b>	<b>650799</b>	<b>687897</b>	<b>748257</b>	<b>799143</b>
6	Trade, Hotels & Restaurant	158447	147943	163667	180053
7	Transport, Storage & Communication	252465	331954	364606	418298
7.1	Railways	8981	9749	8469	8939
7.2	Transport by other means	218524	293981	325908	375055
7.3	Storage	70	83	100	121
7.4	Communication	24890	28141	30129	34183
8	Financing, Insurance, Real Estate & Business Services	209161	235091	261971	286915
8.1	Banking & Insurance	111931	125595	141834	154495
8.2	Real Estate, Ownership Of Dwellings & Business Services	97230	109496	120137	132420
9	Community, Social & Personal Services	116719	134228	153492	171504
9.1	Public Administration	52782	58755	63832	65326
9.2	Other services	63937	75473	89660	106177
	<b>Sub Total - Tertiary</b>	<b>736793</b>	<b>849217</b>	<b>943736</b>	<b>1056770</b>
	<b>Total Gross State Domestic Product (GSDP)</b>	<b>1587538</b>	<b>1746234</b>	<b>1931818</b>	<b>2092232</b>
	<b>Population 00'</b>	<b>15680</b>	<b>16290</b>	<b>16910</b>	<b>17490</b>
	<b>Per Capita Income in Rs.</b>	<b>101246</b>	<b>107197</b>	<b>114241</b>	<b>119624</b>

Note: 'Q' for Quick estimates & 'A' for Advance estimates



## Annexure 3

**Net State Domestic Product at Factor Cost by Industry of Origin from  
2004-05 to 2010-11 at Current Prices**

(Rs. in lakh)

Sl. No.	Industry	2004-05	2005-06	2006-07
1	2	3	4	5
1	Agriculture, Forestry & Fishing	84717	113644	109017
1.1	Agriculture	54534	70485	61561
1.2	Forestry & Logging	7643	7961	13126
1.3	Fishing	22540	35197	34330
2	Mining & Quarrying	46874	55021	126501
	<b>Sub Total - Primary</b>	<b>131592</b>	<b>168665</b>	<b>235518</b>
3	Manufacturing	311027	352531	394542
3.1	Registered	267183	302285	333070
3.2	Unregistered	43844	50246	61472
4	Electricity, Gas & Water Supply	13434	12475	11089
5	Construction	126206	132905	139019
	<b>Sub Total - Secondary</b>	<b>450666</b>	<b>497911</b>	<b>544650</b>
6	Trade, Hotels & Restaurant	149929	192099	206785
7	Transport, Storage & Communication	152141	150882	179572
7.1	Railways	3544	5069	6498
7.2	Transport by other means	133935	129801	155083
7.3	Storage	43	44	53
7.4	Communication	14619	15968	17939
8	Financing, Insurance, Real Estate & Business Services	133490	144032	168533
8.1	Banking & Insurance	66929	69706	84856
8.2	Real Estate, Ownership Of Dwellings & Business Services	66561	74326	83677
9	Community, Social & Personal Services	82051	95189	104296
9.1	Public Administration	34167	46377	48427
9.2	Other services	47884	48812	55869
	<b>Sub Total - Tertiary</b>	<b>517611</b>	<b>582203</b>	<b>659186</b>
	<b>Total Net State Domestic Product (NSDP)</b>	<b>1099869</b>	<b>1248779</b>	<b>1439354</b>
	<b>Population 00'</b>	<b>14290</b>	<b>14740</b>	<b>15170</b>
	<b>Per Capita Income in Rs.</b>	<b>76968</b>	<b>84720</b>	<b>94882</b>

Contd..

**Net State Domestic Product at Factor Cost by Industry of Origin from  
2004-05 to 2010-11 at Current Prices**

(Rs. in lakh)

Sl. No.	Industry	2007- 08	2008- 09	2009- 10 (Q)	2010-11 (A)
1	2	6	7	8	9
1	Agriculture, Forestry & Fishing	121195	131885	151652	174609
1.1	Agriculture	70193	79560	88088	101705
1.2	Forestry & Logging	13080	15201	23354	31730
1.3	Fishing	37921	37124	40211	41175
2	Mining & Quarrying	206712	341352	340010	365053
	<b>Sub Total - Primary</b>	<b>327906</b>	<b>473237</b>	<b>491663</b>	<b>539662</b>
3	Manufacturing	433509	539819	554940	604848
3.1	Registered	359644	459632	466080	487918
3.2	Unregistered	73865	80187	88860	116929
4	Electricity, Gas & Water Supply	11479	21690	34830	50827
5	Construction	158084	187357	231681	296750
	<b>Sub Total - Secondary</b>	<b>603071</b>	<b>748867</b>	<b>821451</b>	<b>952425</b>
6	Trade, Hotels & Restaurant	256463	307578	381760	470539
7	Transport, Storage & Communication	204357	273192	317372	357796
7.1	Railways	8296	7545	8402	8131
7.2	Transport by other means	175468	241947	281257	318634
7.3	Storage	64	76	91	110
7.4	Communication	20529	23624	27621	30921
8	Financing, Insurance, Real Estate & Business Services	196957	234192	262018	303191
8.1	Banking & Insurance	98470	118116	130866	154780
8.2	Real Estate, Ownership Of Dwellings & Business Services	98487	116076	131153	148412
9	Community, Social & Personal Services	115793	177814	230722	324705
9.1	Public Administration	50029	93300	120692	180547
9.2	Other services	65764	84514	110030	144158
	<b>Sub Total - Tertiary</b>	<b>773571</b>	<b>992776</b>	<b>1191873</b>	<b>1456231</b>
	<b>Total Net State Domestic Product (NSDP)</b>	<b>1704548</b>	<b>2214880</b>	<b>2504986</b>	<b>2948318</b>
	<b>Population 00'</b>	<b>15680</b>	<b>16290</b>	<b>16910</b>	<b>17490</b>
	<b>Per Capita Income in Rs.</b>	<b>108708</b>	<b>135966</b>	<b>148136</b>	<b>168572</b>

Note: 'Q' for Quick estimates &amp; 'A' for Advance estimates

## Annexure 4

**Net State Domestic Product at Factor Cost by Industry of Origin from  
2004-05 to 2010-11 at Constant Prices (2004-05 Prices)**

(Rs. in lakh)

Sl. No.	Industry	2004-05	2005-06	2006-07
1	2	3	4	5
1	Agriculture, Forestry & Fishing	84717	105370	85544
1.1	Agriculture	54534	69966	51897
1.2	Forestry & Logging	7643	7733	7671
1.3	Fishing	22540	27671	25975
2	Mining & Quarrying	46874	48185	67828
	<b>Sub Total - Primary</b>	<b>131592</b>	<b>153554</b>	<b>153372</b>
3	Manufacturing	311027	338197	378847
3.1	Registered	267183	290830	324334
3.2	Unregistered	43844	47367	54513
4	Electricity, Gas & Water Supply	13434	15478	19240
5	Construction	126206	130419	142635
	<b>Sub Total - Secondary</b>	<b>450666</b>	<b>484094</b>	<b>540722</b>
6	Trade, Hotels & Restaurant	149929	164169	173033
7	Transport, Storage & Communication	152141	160201	181236
7.1	Railways	3544	5280	6053
7.2	Transport by other means	133935	138863	156297
7.3	Storage	43	44	52
7.4	Communication	14619	16014	18833
8	Financing, Insurance, Real Estate & Business Services	133490	146127	169346
8.1	Banking & Insurance	66929	75261	94097
8.2	Real Estate, Ownership Of Dwellings & Business Services	66561	70866	75249
9	Community, Social & Personal Services	82051	83499	90807
9.1	Public Administration	34167	35610	39255
9.2	Other services	47884	47889	51552
	<b>Sub Total - Tertiary</b>	<b>517611</b>	<b>553995</b>	<b>614421</b>
	<b>Total Net State Domestic Product (NSDP)</b>	<b>1099869</b>	<b>1191644</b>	<b>1308515</b>
	<b>Population '00'</b>	<b>14290</b>	<b>14740</b>	<b>15170</b>
	<b>Per Capita Income in Rs.</b>	<b>76968</b>	<b>80844</b>	<b>86257</b>

Contd..

**Net State Domestic Product at Factor Cost by Industry of Origin from 2004-05  
to 2010-11 at Constant Prices (2004-05 Prices)**

(Rs. in lakh)

Sl. No.	Industry	2007-08	2008-09	2009-10 (Q)	2010-11 (A)
1	2	6	7	8	9
1	Agriculture, Forestry & Fishing	87671	83783	77548	79334
1.1	Agriculture	56582	52982	48871	49871
1.2	Forestry & Logging	7871	8760	8241	8453
1.3	Fishing	23218	22041	20436	21011
2	Mining & Quarrying	54278	39503	85598	80306
	<b>Sub Total - Primary</b>	<b>141949</b>	<b>123286</b>	<b>163146</b>	<b>159640</b>
3	Manufacturing	391605	409091	441614	478274
3.1	Registered	329242	346686	373929	404151
3.2	Unregistered	62363	62405	67685	74124
4	Electricity, Gas & Water Supply	18073	20332	16884	19701
5	Construction	151012	159226	170659	182068
	<b>Sub Total - Secondary</b>	<b>560689</b>	<b>588650</b>	<b>629158</b>	<b>680044</b>
6	Trade, Hotels & Restaurant	148539	135889	150574	166960
7	Transport, Storage & Communication	218451	291573	319651	373343
7.1	Railways	7294	7976	6238	6708
7.2	Transport by other means	189579	259958	287656	336803
7.3	Storage	64	77	90	111
7.4	Communication	21514	23562	25667	29721
8	Financing, Insurance, Real Estate & Business Services	195863	220419	244416	269360
8.1	Banking & Insurance	110364	123961	139779	152440
8.2	Real Estate, Ownership Of Dwellings & Business Services	85499	96458	104637	116920
9	Community, Social & Personal Services	100003	112564	131387	149399
9.1	Public Administration	41745	44002	49242	50736
9.2	Other services	58258	68562	82145	98662
	<b>Sub Total - Tertiary</b>	<b>662857</b>	<b>760446</b>	<b>846028</b>	<b>959062</b>
	<b>Total Net State Domestic Product (NSDP)</b>	<b>1365494</b>	<b>1472381</b>	<b>1638332</b>	<b>1798746</b>
	<b>Population 00'</b>	<b>15680</b>	<b>16290</b>	<b>16910</b>	<b>17490</b>
	<b>Per Capita Income in Rs.</b>	<b>87085</b>	<b>90386</b>	<b>96885</b>	<b>102844</b>

Note: 'Q' for Quick estimates & 'A' for Advance estimates

**Annexure 5****Gross State Domestic Product by Broad Sectors at Current Prices**

(Rs. in lakh)

<b>Year</b>	<b>Primary</b>	<b>Secondary</b>	<b>Tertiary</b>	<b>Total</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
2004-05	156010	540860	574461	1271331
2005-06	199290	584551	648818	1432659
2006-07	283408	635242	733633	1652283
2007-08	394304	704491	857701	1956496
2008-09	576977	864428	1099978	2541383
2009-10 (Q)	667917	954627	1329217	2951760
2010-11 (A)	852896	1107339	1633180	3593415

Note: Figures from 2004-05 to 2010-11(A) are as per base year 2004-05.

**Annexure 6****Gross State Domestic Product by Broad Sectors at Constant Prices**

(Rs. in lakh)

<b>Year</b>	<b>Primary</b>	<b>Secondary</b>	<b>Tertiary</b>	<b>Total</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
2004-05	156010	540860	574461	1271331
2005-06	182831	566724	617606	1367162
2006-07	196962	624291	682919	1504172
2007-08	199947	650799	736793	1587538
2008-09	209121	687897	849217	1746234
2009-10 (Q)	239825	748257	943736	1931818
2010-11 (A)	236319	799143	1056770	2092232

Note: 'Q' for Quick estimates & 'A' for Advance estimates



**Annexure 7****Net State Domestic Product by Broad Sectors at Current prices**

(Rs. in lakh)

<b>Year</b>	<b>Primary</b>	<b>Secondary</b>	<b>Tertiary</b>	<b>Total</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
2004-05	131592	450666	517611	1099869
2005-06	168665	497911	582203	1248779
2006-07	235518	544650	659186	1439354
2007-08	327906	603071	773571	1704548
2008-09	473237	748867	992776	2214880
2009-10 (Q)	491663	821451	1191873	2504986
2010-11 (A)	539662	952425	1456231	2948318

Note: 'Q' for Quick estimates &amp; 'A' for Advance estimates

**Annexure 8****Net State Domestic Product by Broad Sectors at Constant prices**

(Rs. in lakh)

<b>Year</b>	<b>Primary</b>	<b>Secondary</b>	<b>Tertiary</b>	<b>Total</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
2004-05	131592	450666	517611	1099869
2005-06	153554	484094	553995	1191644
2006-07	153372	540722	614421	1308515
2007-08	141949	560689	662857	1365494
2008-09	123286	588650	760446	1472381
2009-10 (Q)	163146	629158	846028	1638332
2010-11 (A)	159640	680044	959062	1798746

Note: 'Q' for Quick estimates &amp; 'A' for Advance estimates

## Annexure 9

**Sector wise % Distribution of Gross State Domestic Product at Factor Cost by  
Industry of Origin from Period 2004-2005 to 2010-11 at Current Prices  
(Rs in Lakh) Base Year 2004-2005**

(Rs. in lakh)

Sl. No.	Industry	2004-05	2005-06	2006-07	2007-08
1	2	3	4	5	6
1	Agriculture, Forestry & Fishing	7.85	9.24	7.79	7.21
1.1	Agriculture	5.21	5.87	4.61	4.32
1.2	Forestry & Logging	0.61	0.56	0.80	0.68
1.3	Fishing	2.04	2.81	2.37	2.21
2	Mining & Quarrying	4.42	4.67	9.36	12.94
	<b>Sub Total - Primary</b>	<b>12.27</b>	<b>13.91</b>	<b>17.15</b>	<b>20.15</b>
3	Manufacturing	29.96	29.17	28.01	25.92
3.1	Registered	26.09	25.24	23.87	21.76
3.2	Unregistered	3.87	3.93	4.14	4.16
4	Electricity, Gas & Water Supply	2.26	1.97	1.66	1.64
5	Construction	10.33	9.66	8.78	8.45
	<b>Sub Total - Secondary</b>	<b>42.54</b>	<b>40.80</b>	<b>38.45</b>	<b>36.01</b>
6	Trade, Hotels & Restaurant	12.29	13.96	13.09	13.69
7	Transport, Storage & Communication	14.17	12.69	12.93	12.36
7.1	Railways	0.40	0.47	0.49	0.52
7.2	Transport by other means	12.39	10.88	11.12	10.59
7.3	Storage	0.00	0.00	0.00	0.00
7.4	Communication	1.37	1.34	1.31	1.25
8	Financing, Insurance, Real Estate & Business Services	11.32	10.88	11.02	10.88
8.1	Banking & Insurance	5.37	4.96	5.23	5.12
8.2	Real Estate, Ownership Of Dwellings & Business Services	5.95	5.92	5.79	5.76
9	Community, Social & Personal Services	7.42	7.75	7.36	6.90
9.1	Public Administration	3.35	4.04	3.66	3.21
9.2	Other services	4.07	3.72	3.70	3.69
	<b>Sub Total - Tertiary</b>	<b>45.19</b>	<b>45.29</b>	<b>44.40</b>	<b>43.84</b>
	<b>Total Gross State Domestic Product (GSDP)</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

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**Sector wise % Distribution of Gross State Domestic Product at Factor Cost by Industry of Origin from Period 2004-2005 to 2010-11 at Current Prices**  
(Rs. in Lakh) Base Year 2004-2005

(Rs. in lakh)

Sl. No.	Industry	2008-09	2009-10 (Q)	2010-11 (A)
1	2	7	8	9
1	Agriculture, Forestry & Fishing	5.87	5.66	5.26
1.1	Agriculture	3.56	3.27	3.01
1.2	Forestry & Logging	0.61	0.80	0.89
1.3	Fishing	1.70	1.59	1.36
2	Mining & Quarrying	16.84	16.97	18.47
	<b>Sub Total - Primary</b>	<b>22.70</b>	<b>22.63</b>	<b>23.73</b>
3	Manufacturing	24.64	22.24	20.15
3.1	Registered	21.16	18.91	16.61
3.2	Unregistered	3.48	3.33	3.54
4	Electricity, Gas & Water Supply	1.61	1.80	1.90
5	Construction	7.76	8.30	8.76
	<b>Sub Total - Secondary</b>	<b>34.01</b>	<b>32.34</b>	<b>30.82</b>
6	Trade, Hotels & Restaurant	12.70	13.61	13.85
7	Transport, Storage & Communication	12.59	12.72	11.98
7.1	Railways	0.38	0.37	0.31
7.2	Transport by other means	11.06	11.16	10.52
7.3	Storage	0.00	0.00	0.00
7.4	Communication	1.14	1.19	1.15
8	Financing, Insurance, Real Estate & Business Services	9.97	9.65	9.20
8.1	Banking & Insurance	4.72	4.50	4.37
8.2	Real Estate, Ownership Of Dwellings & Business Services	5.24	5.15	4.83
9	Community, Social & Personal Services	8.03	9.04	10.42
9.1	Public Administration	4.38	4.95	6.03
9.2	Other services	3.65	4.09	4.39
	<b>Sub Total - Tertiary</b>	<b>43.28</b>	<b>45.03</b>	<b>45.45</b>
	<b>Total Gross State Domestic Product (GSDP)</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Note: 'Q' for Quick estimates & 'A' for Advance estimates

## Annexure 10

**Sector wise % Distribution of Gross State Domestic Product at Factor Cost by  
Industry of Origin from Period 2004-2005 to 2010-11 at Constant Prices  
(Rs in Lakh) Base Year 2004-2005**

(Rs. in lakh)

Sl. No.	Industry	2004-05	2005-06	2006-07	2007-08
1	2	3	4	5	6
1	Agriculture, Forestry & Fishing	7.85	9.02	6.89	6.63
1.1	Agriculture	5.21	6.07	4.33	4.32
1.2	Forestry & Logging	0.61	0.57	0.52	0.50
1.3	Fishing	2.04	2.38	2.04	1.80
2	Mining & Quarrying	4.42	4.35	6.21	5.97
	<b>Sub Total - Primary</b>	<b>12.27</b>	<b>13.37</b>	<b>13.09</b>	<b>12.59</b>
3	Manufacturing	29.96	29.30	29.39	28.83
3.1	Registered	26.09	25.43	25.36	24.50
3.2	Unregistered	3.87	3.88	4.03	4.33
4	Electricity, Gas & Water Supply	2.26	2.22	2.25	2.24
5	Construction	10.33	9.92	9.86	9.93
	<b>Sub Total - Secondary</b>	<b>42.54</b>	<b>41.45</b>	<b>41.50</b>	<b>40.99</b>
6	Trade, Hotels & Restaurant	12.29	12.56	12.08	9.98
7	Transport, Storage & Communication	14.17	13.89	14.17	15.90
7.1	Railways	0.40	0.50	0.50	0.57
7.2	Transport by other means	12.39	12.00	12.19	13.76
7.3	Storage	0.00	0.00	0.00	0.00
7.4	Communication	1.37	1.39	1.47	1.57
8	Financing, Insurance, Real Estate & Business Services	11.32	11.51	12.07	13.18
8.1	Banking & Insurance	5.37	5.60	6.35	7.05
8.2	Real Estate, Ownership Of Dwellings & Business Services	5.95	5.91	5.71	6.12
9	Community, Social & Personal Services	7.42	7.22	7.08	7.35
9.1	Public Administration	3.35	3.40	3.34	3.32
9.2	Other services	4.07	3.81	3.75	4.03
	<b>Sub Total - Tertiary</b>	<b>45.19</b>	<b>45.17</b>	<b>45.40</b>	<b>46.41</b>
	<b>Total Gross State Domestic Product (GSDP)</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

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**Sector wise % Distribution of Gross State Domestic Product at Factor Cost by  
Industry of Origin from Period 2004-2005 to 2010-11 at Constant Prices  
(Rs in Lakh) Base Year 2004-2005**

(Rs. in lakh)

Sl. No.	Industry	2008-09	2009-10(Q)	2010-11(A)
1	2	7	8	9
1	Agriculture, Forestry & Fishing	5.59	5.21	4.90
1.1	Agriculture	3.52	3.36	3.15
1.2	Forestry & Logging	0.51	0.44	0.41
1.3	Fishing	1.55	1.42	1.34
2	Mining & Quarrying	6.39	7.20	6.40
	<b>Sub Total - Primary</b>	<b>11.98</b>	<b>12.41</b>	<b>11.30</b>
3	Manufacturing	27.70	27.38	27.04
3.1	Registered	23.72	23.44	23.09
3.2	Unregistered	3.98	3.94	3.95
4	Electricity, Gas & Water Supply	2.09	2.07	2.04
5	Construction	9.61	9.29	9.12
	<b>Sub Total - Secondary</b>	<b>39.39</b>	<b>38.73</b>	<b>38.20</b>
6	Trade, Hotels & Restaurant	8.47	8.47	8.61
7	Transport, Storage & Communication	19.01	18.87	19.99
7.1	Railways	0.56	0.44	0.43
7.2	Transport by other means	16.84	16.87	17.93
7.3	Storage	0.00	0.01	0.01
7.4	Communication	1.61	1.56	1.63
8	Financing, Insurance, Real Estate & Business Services	13.46	13.56	13.71
8.1	Banking & Insurance	7.19	7.34	7.38
8.2	Real Estate, Ownership Of Dwellings & Business Services	6.27	6.22	6.33
9	Community, Social & Personal Services	7.69	7.95	8.20
9.1	Public Administration	3.36	3.30	3.12
9.2	Other services	4.32	4.64	5.07
	<b>Sub Total - Tertiary</b>	<b>48.63</b>	<b>48.85</b>	<b>50.51</b>
	<b>Total Gross State Domestic Product (GSDP)</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Note: 'Q' for Quick estimates & 'A' for Advance estimates



## Annexure 11

## Sector wise % Distribution of Net State Domestic Product at Factor Cost by Industry of Origin from 2004-05 to 2010-11 at Current Prices

(Percent)

Sl. No.	Industry	2004-05	2005-06	2006-07
1	2	3	4	5
1	Agriculture, Forestry & Fishing	7.70	9.10	7.57
1.1	Agriculture	4.96	5.64	4.28
1.2	Forestry & Logging	0.69	0.64	0.91
1.3	Fishing	2.05	2.82	2.39
2	Mining & Quarrying	4.26	4.41	8.79
	<b>Sub Total - Primary</b>	<b>11.96</b>	<b>13.51</b>	<b>16.36</b>
3	Manufacturing	28.28	28.23	27.41
3.1	Registered	24.29	24.21	23.14
3.2	Unregistered	3.99	4.02	4.27
4	Electricity, Gas & Water Supply	1.22	1.00	0.77
5	Construction	11.47	10.64	9.66
	<b>Sub Total - Secondary</b>	<b>40.97</b>	<b>39.87</b>	<b>37.84</b>
6	Trade, Hotels & Restaurant	13.63	15.38	14.37
7	Transport, Storage & Communication	13.83	12.08	12.48
7.1	Railways	0.32	0.41	0.45
7.2	Transport by other means	12.18	10.39	10.77
7.3	Storage	0.00	0.00	0.00
7.4	Communication	1.33	1.28	1.25
8	Financing, Insurance, Real Estate & Business Services	12.14	11.53	11.71
8.1	Banking & Insurance	6.09	5.58	5.90
8.2	Real Estate, Ownership Of Dwellings & Business Services	6.05	5.95	5.81
9	Community, Social & Personal Services	7.46	7.62	7.25
9.1	Public Administration	3.11	3.71	3.36
9.2	Other services	4.35	3.91	3.88
	<b>Sub Total - Tertiary</b>	<b>47.06</b>	<b>46.62</b>	<b>45.80</b>
	<b>Total Net State Domestic Product (NSDP)</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Contd..

**Sector wise % Distribution of Net State Domestic Product at Factor Cost by  
Industry of Origin from 2004-05 to 2010-11 at Current Prices  
Base year 2004-05**

(Percent)					
Sl. No.	Industry	2007-08	2008-09	2009-10 (Q)	2010-11 (A)
1	2	6	7	8	9
1	Agriculture, Forestry & Fishing	7.11	5.95	6.05	5.92
1.1	Agriculture	4.12	3.59	3.52	3.45
1.2	Forestry & Logging	0.77	0.69	0.93	1.08
1.3	Fishing	2.22	1.68	1.61	1.40
2	Mining & Quarrying	12.13	15.41	13.57	12.38
	<b>Sub Total - Primary</b>	<b>19.24</b>	<b>21.37</b>	<b>19.63</b>	<b>18.30</b>
3	Manufacturing	25.43	24.37	22.15	20.52
3.1	Registered	21.10	20.75	18.61	16.55
3.2	Unregistered	4.33	3.62	3.55	3.97
4	Electricity, Gas & Water Supply	0.67	0.98	1.39	1.72
5	Construction	9.27	8.46	9.25	10.07
	<b>Sub Total - Secondary</b>	<b>35.38</b>	<b>33.81</b>	<b>32.79</b>	<b>32.30</b>
6	Trade, Hotels & Restaurant	15.05	13.89	15.24	15.96
7	Transport, Storage & Communication	11.99	12.33	12.67	12.14
7.1	Railways	0.49	0.34	0.34	0.28
7.2	Transport by other means	10.29	10.92	11.23	10.81
7.3	Storage	0.00	0.00	0.00	0.00
7.4	Communication	1.20	1.07	1.10	1.05
8	Financing, Insurance, Real Estate & Business Services	11.55	10.57	10.46	10.28
8.1	Banking & Insurance	5.78	5.33	5.22	5.25
8.2	Real Estate, Ownership Of Dwellings & Business Services	5.78	5.24	5.24	5.03
9	Community, Social & Personal Services	6.79	8.03	9.21	11.01
9.1	Public Administration	2.94	4.21	4.82	6.12
9.2	Other services	3.86	3.82	4.39	4.89
	<b>Sub Total - Tertiary</b>	<b>45.38</b>	<b>44.82</b>	<b>47.58</b>	<b>49.39</b>
	<b>Total Net State Domestic Product (NSDP)</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Note: 'Q' for Quick estimates & 'A' for Advance estimates.

## Annexure 12

**Sector wise % Distribution of Net State Domestic Product at Factor Cost by  
Industry of Origin from 2004-05 to 2010-11 at Constant Prices  
(2004-05 Prices)**

(Percent)				
Sl. No.	Industry	2004-05	2005-06	2006-07
1	2	3	4	5
1	Agriculture, Forestry & Fishing	7.70	8.84	6.54
1.1	Agriculture	4.96	5.87	3.97
1.2	Forestry & Logging	0.69	0.65	0.59
1.3	Fishing	2.05	2.32	1.99
2	Mining & Quarrying	4.26	4.04	5.18
	<b>Sub Total - Primary</b>	<b>11.96</b>	<b>12.89</b>	<b>11.72</b>
3	Manufacturing	28.28	28.38	28.95
3.1	Registered	24.29	24.41	24.79
3.2	Unregistered	3.99	3.97	4.17
4	Electricity, Gas & Water Supply	1.22	1.30	1.47
5	Construction	11.47	10.94	10.90
	<b>Sub Total - Secondary</b>	<b>40.97</b>	<b>40.62</b>	<b>41.32</b>
6	Trade, Hotels & Restaurant	13.63	13.78	13.22
7	Transport, Storage & Communication	13.83	13.44	13.85
7.1	Railways	0.32	0.44	0.46
7.2	Transport by other means	12.18	11.65	11.94
7.3	Storage	0.00	0.00	0.00
7.4	Communication	1.33	1.34	1.44
8	Financing, Insurance, Real Estate & Business Services	12.14	12.26	12.94
8.1	Banking & Insurance	6.09	6.32	7.19
8.2	Real Estate, Ownership Of Dwellings & Business Services	6.05	5.95	5.75
9	Community, Social & Personal Services	7.46	7.01	6.94
9.1	Public Administration	3.11	2.99	3.00
9.2	Other services	4.35	4.02	3.94
	<b>Sub Total - Tertiary</b>	<b>47.06</b>	<b>46.49</b>	<b>46.96</b>
	<b>Total Net State Domestic Product (NSDP)</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Contd..

**Sector wise % Distribution of Net State Domestic Product at Factor Cost by  
Industry of Origin from 2004-05 to 2009-10 at Constant Prices  
(2004-05 Prices)**

(Percent)					
Sl. No.	Industry	2007-08	2008-09	2009-10 (Q)	2010-11 (A)
1	2	6	7	8	9
1	Agriculture, Forestry & Fishing	6.42	5.69	4.73	4.41
1.1	Agriculture	4.14	3.60	2.98	2.77
1.2	Forestry & Logging	0.58	0.59	0.50	0.47
1.3	Fishing	1.70	1.50	1.25	1.17
2	Mining & Quarrying	3.97	2.68	5.22	4.46
	<b>Sub Total - Primary</b>	<b>10.40</b>	<b>8.37</b>	<b>9.96</b>	<b>8.88</b>
3	Manufacturing	28.68	27.78	26.96	26.59
3.1	Registered	24.11	23.55	22.82	22.47
3.2	Unregistered	4.57	4.24	4.13	4.12
4	Electricity, Gas & Water Supply	1.32	1.38	1.03	1.10
5	Construction	11.06	10.81	10.42	10.12
	<b>Sub Total - Secondary</b>	<b>41.06</b>	<b>39.98</b>	<b>38.40</b>	<b>37.81</b>
6	Trade, Hotels & Restaurant	10.88	9.23	9.19	9.28
7	Transport, Storage & Communication	16.00	19.80	19.51	20.76
7.1	Railways	0.53	0.54	0.38	0.37
7.2	Transport by other means	13.88	17.66	17.56	18.72
7.3	Storage	0.00	0.01	0.01	0.01
7.4	Communication	1.58	1.60	1.57	1.65
8	Financing, Insurance, Real Estate & Business Services	14.34	14.97	14.92	14.97
8.1	Banking & Insurance	8.08	8.42	8.53	8.47
8.2	Real Estate, Ownership Of Dwellings & Business Services	6.26	6.55	6.39	6.50
9	Community, Social & Personal Services	7.32	7.65	8.02	8.31
9.1	Public Administration	3.06	2.99	3.01	2.82
9.2	Other services	4.27	4.66	5.01	5.49
	<b>Sub Total - Tertiary</b>	<b>48.54</b>	<b>51.65</b>	<b>51.64</b>	<b>53.32</b>
	<b>Total Net State Domestic Product (NSDP)</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Note: 'Q' for Quick estimates & 'A' for Advance estimates

## Annexure 13

% Growth over previous year of Gross State Domestic Product at Factor Cost  
by Industry of Origin from 2004-05 to 2010-11 at Current Prices

(Percent)

Sl. No.	Industry	2005-06	2006-07	2007-08
1	2	3	4	5
1	Agriculture, Forestry & Fishing	32.57	-2.70	9.56
1.1	Agriculture	27.00	-9.30	10.81
1.2	Forestry & Logging	4.08	64.86	-0.30
1.3	Fishing	55.35	-2.44	10.46
2	Mining & Quarrying	19.17	130.93	63.75
	<b>Sub Total - Primary</b>	<b>27.74</b>	<b>42.21</b>	<b>39.13</b>
3	Manufacturing	9.74	10.72	9.58
3.1	Registered	9.03	9.06	7.95
3.2	Unregistered	14.52	21.39	18.98
4	Electricity, Gas & Water Supply	-1.71	-2.87	16.85
5	Construction	5.39	4.83	14.00
	<b>Sub Total - Secondary</b>	<b>8.08</b>	<b>8.67</b>	<b>10.90</b>
6	Trade, Hotels & Restaurant	28.04	8.15	23.86
7	Transport, Storage & Communication	0.96	17.48	13.25
7.1	Railways	31.86	21.47	26.27
7.2	Transport by other means	-1.04	17.86	12.72
7.3	Storage	4.37	20.16	22.23
7.4	Communication	10.10	12.97	12.81
8	Financing, Insurance, Real Estate & Business Services	8.37	16.81	16.89
8.1	Banking & Insurance	4.19	21.55	15.94
8.2	Real Estate, Ownership Of Dwellings & Business Services	12.16	12.83	17.74
9	Community, Social & Personal Services	17.79	9.47	11.03
9.1	Public Administration	35.97	4.60	3.77
9.2	Other services	2.85	14.76	18.22
	<b>Sub Total - Tertiary</b>	<b>12.94</b>	<b>13.07</b>	<b>16.91</b>
	<b>Total Gross State Domestic Product (GSDP)</b>	<b>12.69</b>	<b>15.33</b>	<b>18.41</b>
	<b>Per Capita income in Rs.</b>	<b>9.25</b>	<b>12.06</b>	<b>14.56</b>

Contd..

**% Growth over previous year of Gross State Domestic Product at Factor Cost  
by Industry of Origin from 2005-06 to 2010-11 at Current Prices**

(Percent)

Sl. No.	Industry	2008-09	2009-10 (Q)	2010-11 (A)
1	2	6	7	8
1	Agriculture, Forestry & Fishing	5.72	12.08	13.10
1.1	Agriculture	7.15	6.60	12.08
1.2	Forestry & Logging	16.22	53.16	35.68
1.3	Fishing	-0.29	8.90	3.86
2	Mining & Quarrying	68.94	17.05	32.57
	<b>Sub Total - Primary</b>	<b>46.33</b>	<b>15.76</b>	<b>27.69</b>
3	Manufacturing	23.49	4.82	10.31
3.1	Registered	26.29	3.83	6.90
3.2	Unregistered	8.84	10.89	29.70
4	Electricity, Gas & Water Supply	27.93	29.70	28.69
5	Construction	19.26	24.25	28.49
	<b>Sub Total - Secondary</b>	<b>22.70</b>	<b>10.43</b>	<b>16.00</b>
6	Trade, Hotels & Restaurant	20.44	24.54	23.82
7	Transport, Storage & Communication	32.24	17.40	14.61
7.1	Railways	-4.66	11.94	0.76
7.2	Transport by other means	35.64	17.21	14.73
7.3	Storage	19.21	19.67	19.44
7.4	Communication	18.92	21.07	17.79
8	Financing, Insurance, Real Estate & Business Services	18.97	12.48	16.06
8.1	Banking & Insurance	19.75	10.76	18.12
8.2	Real Estate, Ownership Of Dwellings & Business Services	18.27	14.04	14.25
9	Community, Social & Personal Services	51.23	30.75	40.32
9.1	Public Administration	77.37	31.34	48.19
9.2	Other services	28.50	30.03	30.79
	<b>Sub Total - Tertiary</b>	<b>28.25</b>	<b>20.84</b>	<b>22.87</b>
	<b>Total Gross State Domestic Product (GSDP)</b>	<b>29.89</b>	<b>16.15</b>	<b>21.74</b>
	<b>Per Capita Income in Rs.</b>	<b>25.03</b>	<b>11.89</b>	<b>17.70</b>

Note: 'Q' for Quick estimates & 'A' for Advance estimates



## Annexure 14

**% Growth over previous year of Gross State Domestic Product at Factor Cost  
by Industry of Origin from 2004-05 to 2010-11 at Constant Prices  
(2004-05 prices)**

(Percent)

Sl. No.	Industry	2005-06	2006-07	2007-08
1	2	3	4	5
1	Agriculture, Forestry & Fishing	23.56	-15.99	1.53
1.1	Agriculture	25.36	-21.57	5.50
1.2	Forestry & Logging	1.08	-0.12	2.50
1.3	Fishing	25.71	-5.58	-7.14
2	Mining & Quarrying	5.88	56.89	1.50
	<b>Sub Total - Primary</b>	<b>17.19</b>	<b>7.73</b>	<b>1.52</b>
3	Manufacturing	5.19	10.35	3.52
3.1	Registered	4.79	9.73	1.96
3.2	Unregistered	7.89	14.42	13.37
4	Electricity, Gas & Water Supply	5.99	11.50	4.71
5	Construction	3.33	9.29	6.29
	<b>Sub Total - Secondary</b>	<b>4.78</b>	<b>10.16</b>	<b>4.25</b>
6	Trade, Hotels & Restaurant	9.93	5.84	-12.81
7	Transport, Storage & Communication	5.44	12.23	18.46
7.1	Railways	34.09	11.00	18.97
7.2	Transport by other means	4.08	11.78	19.19
7.3	Storage	4.09	19.84	21.66
7.4	Communication	9.33	16.50	12.23
8	Financing, Insurance, Real Estate & Business Services	9.38	15.35	15.23
8.1	Banking & Insurance	12.22	24.75	17.12
8.2	Real Estate, Ownership Of Dwellings & Business Services	6.82	6.43	13.12
9	Community, Social & Personal Services	4.62	8.02	9.54
9.1	Public Administration	9.41	7.89	5.12
9.2	Other services	0.67	8.13	13.48
	<b>Sub Total - Tertiary</b>	<b>7.51</b>	<b>10.58</b>	<b>7.89</b>
	<b>Total Gross State Domestic Product (GSDP)</b>	<b>7.54</b>	<b>10.02</b>	<b>5.54</b>
	<b>Per Capita Income in Rs.</b>	<b>4.25</b>	<b>6.90</b>	<b>2.11</b>

Contd..

**% Growth over previous year of Gross State Domestic Product at Factor Cost  
by Industry of Origin from 2005-06 to 2010-11 at Constant Prices  
(2004-05 prices)**

(Percent)				
Sl. No.	Industry	2008-09	2009-10 (Q)	2010-11 (A)
1	2	6	7	8
1	Agriculture, Forestry & Fishing	-7.28	3.26	1.77
1.1	Agriculture	-10.38	5.37	1.54
1.2	Forestry & Logging	11.22	-5.57	2.51
1.3	Fishing	-5.02	1.35	2.09
2	Mining & Quarrying	17.77	24.67	-3.80
	<b>Sub Total - Primary</b>	<b>4.59</b>	<b>14.68</b>	<b>-1.46</b>
3	Manufacturing	5.68	9.36	6.93
3.1	Registered	6.52	9.30	6.67
3.2	Unregistered	0.94	9.71	8.45
4	Electricity, Gas & Water Supply	2.60	9.57	7.06
5	Construction	6.45	6.91	6.36
	<b>Sub Total - Secondary</b>	<b>5.70</b>	<b>8.77</b>	<b>6.80</b>
6	Trade, Hotels & Restaurant	-6.63	10.63	10.01
7	Transport, Storage & Communication	31.48	9.84	14.73
7.1	Railways	8.55	-13.13	5.55
7.2	Transport by other means	34.53	10.86	15.08
7.3	Storage	19.26	20.66	20.88
7.4	Communication	13.06	7.06	13.46
8	Financing, Insurance, Real Estate & Business Services	12.40	11.43	9.52
8.1	Banking & Insurance	12.21	12.93	8.93
8.2	Real Estate, Ownership Of Dwellings & Business Services	12.62	9.72	10.22
9	Community, Social & Personal Services	15.00	14.35	11.73
9.1	Public Administration	11.32	8.64	2.34
9.2	Other services	18.04	18.80	18.42
	<b>Sub Total - Tertiary</b>	<b>15.26</b>	<b>11.13</b>	<b>11.98</b>
	<b>Total Gross State Domestic Product (GSDP)</b>	<b>10.00</b>	<b>10.63</b>	<b>8.30</b>
	<b>Per Capita Income in Rs.</b>	<b>5.88</b>	<b>6.57</b>	<b>4.71</b>

Note: 'Q' for Quick estimates & 'A' for Advance estimates

## Annexure 15

## %Growth over previous year of Net State Domestic Product at Factor Cost by Industry of Origin from 2005-06 to 2010-11 at Current Prices

(Percent)

Sl. No.	Industry	2005-06	2006-07	2007-08
1	2	3	4	5
1	Agriculture, Forestry & Fishing	34.14	-4.07	11.17
1.1	Agriculture	29.25	-12.66	14.02
1.2	Forestry & Logging	4.16	64.87	-0.35
1.3	Fishing	56.15	-2.46	10.46
2	Mining & Quarrying	17.38	129.91	63.41
	<b>Sub Total - Primary</b>	<b>28.17</b>	<b>39.64</b>	<b>39.23</b>
3	Manufacturing	13.34	11.92	9.88
3.1	Registered	13.14	10.18	7.98
3.2	Unregistered	14.60	22.34	20.16
4	Electricity, Gas & Water Supply	-7.13	-11.11	3.51
5	Construction	5.31	4.60	13.71
	<b>Sub Total - Secondary</b>	<b>10.48</b>	<b>9.39</b>	<b>10.73</b>
6	Trade, Hotels & Restaurant	28.13	7.64	24.02
7	Transport, Storage & Communication	-0.83	19.02	13.80
7.1	Railways	43.03	28.19	27.67
7.2	Transport by other means	-3.09	19.48	13.15
7.3	Storage	2.35	19.72	20.55
7.4	Communication	9.23	12.34	14.44
8	Financing, Insurance, Real Estate & Business Services	7.90	17.01	16.87
8.1	Banking & Insurance	4.15	21.73	16.04
8.2	Real Estate, Ownership Of Dwellings & Business Services	11.67	12.58	17.70
9	Community, Social & Personal Services	16.01	9.57	11.02
9.1	Public Administration	35.74	4.42	3.31
9.2	Other services	1.94	14.46	17.71
	<b>Sub Total - Tertiary</b>	<b>12.48</b>	<b>13.22</b>	<b>17.35</b>
	<b>Total Net State Domestic Product (NSDP)</b>	<b>13.54</b>	<b>15.26</b>	<b>18.42</b>
	<b>Per Capita Income in Rs.</b>	<b>10.07</b>	<b>11.99</b>	<b>14.57</b>

Contd..

**%Growth over previous year of Net State Domestic Product at Factor Cost by Industry of Origin from 2005-06 to 2010-11 at Current Prices**

(Percent)

Sl. No.	Industry	2008-09	2009-10 (Q)	2010-11 (A)
1	2	6	7	8
1	Agriculture, Forestry & Fishing	8.82	14.99	15.14
1.1	Agriculture	13.34	10.72	15.46
1.2	Forestry & Logging	16.21	53.63	35.87
1.3	Fishing	-2.10	8.31	2.40
2	Mining & Quarrying	65.13	-0.39	7.37
	<b>Sub Total - Primary</b>	<b>44.32</b>	<b>3.89</b>	<b>9.76</b>
3	Manufacturing	24.52	2.80	8.99
3.1	Registered	27.80	1.40	4.69
3.2	Unregistered	8.56	10.82	31.59
4	Electricity, Gas & Water Supply	88.96	60.58	45.93
5	Construction	18.52	23.66	28.09
	<b>Sub Total - Secondary</b>	<b>24.18</b>	<b>9.69</b>	<b>15.94</b>
6	Trade, Hotels & Restaurant	19.93	24.12	23.26
7	Transport, Storage & Communication	33.68	16.17	12.74
7.1	Railways	-9.05	11.36	-3.23
7.2	Transport by other means	37.89	16.25	13.29
7.3	Storage	19.75	20.24	19.95
7.4	Communication	15.08	16.92	11.95
8	Financing, Insurance, Real Estate & Business Services	18.91	11.88	15.71
8.1	Banking & Insurance	19.95	10.79	18.27
8.2	Real Estate, Ownership Of Dwellings & Business Services	17.86	12.99	13.16
9	Community, Social & Personal Services	53.56	29.76	40.73
9.1	Public Administration	86.49	29.36	49.59
9.2	Other services	28.51	30.19	31.02
	<b>Sub Total - Tertiary</b>	<b>28.34</b>	<b>20.05</b>	<b>22.18</b>
	<b>Total Net State Domestic Product (NSDP)</b>	<b>29.94</b>	<b>13.10</b>	<b>17.70</b>
	<b>Per Capita Income in Rs.</b>	<b>25.07</b>	<b>8.95</b>	<b>13.79</b>

Note: 'Q' for Quick estimates & 'A' for Advance estimates

## Annexure 16

**% Growth Index over previous year of Net State Domestic Product at Factor  
Cost by Industry of Origin from 2005-06 to 2010-11 at Constant Prices  
(2004-05 Prices)**

(Percent)

Sl. No.	Industry	2005-06	2006-07	2007-08
1	2	3	4	5
1	Agriculture, Forestry & Fishing	24.38	-18.82	2.49
1.1	Agriculture	28.30	-25.83	9.03
1.2	Forestry & Logging	1.18	-0.80	2.60
1.3	Fishing	22.76	-6.13	-10.62
2	Mining & Quarrying	2.80	40.77	-19.98
	<b>Sub Total - Primary</b>	<b>16.69</b>	<b>-0.12</b>	<b>-7.45</b>
3	Manufacturing	8.74	12.02	3.37
3.1	Registered	8.85	11.52	1.51
3.2	Unregistered	8.04	15.09	14.40
4	Electricity, Gas & Water Supply	15.22	24.30	-6.07
5	Construction	3.34	9.37	5.87
	<b>Sub Total - Secondary</b>	<b>7.42</b>	<b>11.70</b>	<b>3.69</b>
6	Trade, Hotels & Restaurant	9.50	5.40	-14.16
7	Transport, Storage & Communication	5.30	13.13	20.53
7.1	Railways	48.98	14.64	20.50
7.2	Transport by other means	3.68	12.55	21.29
7.3	Storage	2.05	19.37	21.82
7.4	Communication	9.54	17.61	14.24
8	Financing, Insurance, Real Estate & Business Services	9.47	15.89	15.66
8.1	Banking & Insurance	12.45	25.03	17.29
8.2	Real Estate, Ownership Of Dwellings & Business Services	6.47	6.19	13.62
9	Community, Social & Personal Services	1.76	8.75	10.13
9.1	Public Administration	4.22	10.24	6.34
9.2	Other services	0.01	7.65	13.01
	<b>Sub Total - Tertiary</b>	<b>7.03</b>	<b>10.91</b>	<b>7.88</b>
	<b>Total Net State Domestic Product (NSDP)</b>	<b>8.34</b>	<b>9.81</b>	<b>4.35</b>
	<b>Per Capita Income in Rs.</b>	<b>5.04</b>	<b>6.70</b>	<b>0.96</b>

Contd..

**% Growth Index over previous year of Net State Domestic Product at Factor  
Cost by Industry of Origin from 2005-06 to 2010-11 at Constant Prices  
(2004-05 Prices)**

(Percent)				
SI. No.	Industry	2008-09	2009-10 (Q)	2010-11 (A)
1	2	6	7	8
1	Agriculture, Forestry & Fishing	-4.43	-7.44	2.30
1.1	Agriculture	-6.36	-7.76	2.05
1.2	Forestry & Logging	11.29	-5.92	2.57
1.3	Fishing	-5.07	-7.28	2.81
2	Mining & Quarrying	-27.22	116.69	-6.18
	<b>Sub Total - Primary</b>	<b>-13.15</b>	<b>32.33</b>	<b>-2.15</b>
3	Manufacturing	4.47	7.95	8.30
3.1	Registered	5.30	7.86	8.08
3.2	Unregistered	0.07	8.46	9.51
4	Electricity, Gas & Water Supply	12.50	-16.96	16.68
5	Construction	5.44	7.18	6.69
	<b>Sub Total - Secondary</b>	<b>4.99</b>	<b>6.88</b>	<b>8.09</b>
6	Trade, Hotels & Restaurant	-8.52	10.81	10.88
7	Transport, Storage & Communication	33.47	9.63	16.80
7.1	Railways	9.35	-21.79	7.53
7.2	Transport by other means	37.12	10.66	17.09
7.3	Storage	21.07	17.09	23.19
7.4	Communication	9.52	8.93	15.80
8	Financing, Insurance, Real Estate & Business Services	12.54	10.89	10.21
8.1	Banking & Insurance	12.32	12.76	9.06
8.2	Real Estate, Ownership Of Dwellings & Business Services	12.82	8.48	11.74
9	Community, Social & Personal Services	12.56	16.72	13.71
9.1	Public Administration	5.41	11.91	3.03
9.2	Other services	17.69	19.81	20.11
	<b>Sub Total - Tertiary</b>	<b>14.72</b>	<b>11.25</b>	<b>13.36</b>
	<b>Total Net State Domestic Product (NSDP)</b>	<b>7.83</b>	<b>11.27</b>	<b>9.79</b>
	<b>Per Capita Income in Rs.</b>	<b>3.79</b>	<b>7.19</b>	<b>6.15</b>

Note: 'Q' for Quick estimates & 'A' for Advance estimates



**Annexure 17**  
**Approved Outlays and Actual Expenditure from Third Five Year Plan**  
**(1962-66)**

(Rs. in crore)

Sl. No.	Plan period	Approved Outlay	Actual Expend.	Percentage utilisation
1	2	3	4	5
1	Third Five Year Plan (1962-66)	22.23	18.23	81.99
2	Plan holidays (1966-69)	24.02	19.83	82.56
3	Fourth Five Year Plan (1969-74)	39.51	41.94	106.15
4	Fifth Five Year Plan (1974-78)	61.67	61.65	99.97
5	Plan holidays (1978-80)	57.50	55.63	96.74
6	Sixth Five Year Plan (1980-85)	225.89	224.42	99.35
7	Seventh Five Year Plan (1985-90)	418.75	438.61	104.74
8	Plan holidays (1990-92)	300.00	294.26	98.09
9	Eighth Five Year Plan (1992-97)	969.05	843.43	87.04
10.	Ninth Five Year Plan (1997-2002)	1595.09	1389.46	87.10
11.	Tenth Five Year Plan (2002-07)	3200.00	3785.82	118.30
12.	Eleventh Five Year Plan (2007-12)	#7816.39	-	-
i)	Annual Plan (2007-08)	#1316.34	1224.50	93.02
ii)	Annual Plan (2008-09)	#1601.00	1574.50	98.34
iii)	Annual Plan (2009-10)	#2103.35	1965.57	93.45
iv)	Annual Plan (2010-11)	#2567.29	2310.56	90.00
v)	Annual Plan (2011-12)	#3042.98		

Note: Figures for the period 1962 to 1987 pertains to UT Goa, Daman & Diu  
Source : Directorate of Planning, Statistics & Evaluation, Government of Goa.  
# Excluding PSUs & LBs

## Annexure 18

**Distribution of Vehicles by type**  
**For the year 2008-09, 2009-10, 2010-11 & 2011-12 (upto Oct '11)**

Type of vehicles	2008-09	2009-10	2010-11	2011-12 (upto Oct'11)	M.V. on live register as on 31/10/11 [cumulative]	% to the total
<b>Transport</b>						
Motor Cycles for Hire	2154	1959	2242	1612	17017	2.04
Goods Vehicles	2843	2503	3566	3076	51900	6.24
Taxis	867	904	171	04	13847	1.66
Buses , Mini Buses & KTC	706	688	575	306	9213	1.11
Auto Rickshaws	51	50	63	42	3814	0.46
<b>Total</b>	<b>6621</b>	<b>6104</b>	<b>6617</b>	<b>5040</b>	<b>95791</b>	<b>11.51</b>
<b>Non-Transport</b>						
Motor Cycles & Scooters	31145	34215	39892	26957	568891	68.36
Private Cars & Jeeps	11050	12722	16152	9822	159691	19.19
Tractors / Others	507	405	328	131	3021	0.36
Government Vehicles	112	182	44	156	4787	0.58
<b>Total</b>	<b>42814</b>	<b>47524</b>	<b>56416</b>	<b>37066</b>	<b>736390</b>	<b>88.49</b>
<b>Grand Total</b>	<b>49435</b>	<b>53628</b>	<b>63033</b>	<b>42106</b>	<b>832181</b>	<b>100.00</b>

Source: Directorate of Transport, Government of Goa.

## Annexure 19

## Number of Vehicles Registered from 1999-00 to 2011-12 (upto Oct '11 )

Sr. No.	Year	Number of Vehicles
1	1999-00	29869
2	2000-01	25778
3	2001-02	27189
4	2002-03	33103
5	2003-04	40050
6	2004-05	46183
7	2005-06	46716
8	2006-07	49752
9	2007-08	44458
10	2008-09	49435
11	2009-10	53628
12	2010-11	63033
13	2011-12 (upto Oct 11)	42106

Source: Directorate of Transport, Government of Goa

## Annexure 20

## Number of Driving Licenses issued as on 31/10/11 (cumulative)

Sr. No.	Place of the Registering Authority	Number of Driving Licenses Issued
1	Margao	149812
2	Vasco	55752
3	Quepem	23205
	<b>Total (South)</b>	<b>228769</b>
4	Mapusa	87631
5	Ponda	48609
6	Bicholim	43220
7	Panaji	106570
	<b>Total (North)</b>	<b>286030</b>
	<b>Grand Total</b>	<b>514799</b>

Source: Directorate of Transport, Government of Goa

## Annexure 21

Number of Vehicles on Live Register as on 31<sup>st</sup> March

Year	Cumulative Number of Vehicles Registered	Percentage Increase
2001	335666	
2002	358324	6.75 %
2003	391430	9.24 %
2004	436120	11.42 %
2005	482303	10.59 %
2006	529019	9.69 %
2007	578771	9.40 %
2008	623229	7.68 %
2009	673414	8.05 %
2010	727042	7.96 %
2011	790075	8.67 %

Source: Directorate of Transport, Government of Goa

## Annexure 22

## Distribution of vehicles under Non Transport Category by approximate value of the vehicle

Type / Value of the vehicle	No. of vehicles registered during the year				Total
	2008-09	2009-10	2010-11	2011-12 (upto Jan. '12)	
<b>Motor Cycle &amp; Scooter</b>					
Below 40000	16457	16217	12040	848	<b>45562</b>
40000 - 50000	11293	14091	21804	31254	<b>78442</b>
Above 50000	5556	6350	7014	6656	<b>25576</b>
<b>Private Cars &amp; Jeeps</b>					
Below 3.00 lakh	3293	3370	2727	2043	<b>11433</b>
3.00 - 5.00 lakh	5341	6364	7982	6219	<b>25906</b>
Above 5.00 lakh	3398	4564	5690	6075	<b>19727</b>
<b>Grand Total</b>	<b>45338</b>	<b>50956</b>	<b>57257</b>	<b>53095</b>	<b>206646</b>

Source: Directorate of Transport, Government of Goa

## Annexure 23

State wise Road Density Per 1000 km<sup>2</sup> \*

(in km)

Sl. No.	States / UTs	2003	2004	2005
1	Andhra Pradesh	734.04	749.42	1197.65
2	Arunachal Pradesh	187.01	187.62	211.97
3	Assam	2044.67	2460.29	2661.82
4	Bihar	836.32	784.11	1273.94
5	Chattisgarh	537.97	547.32	534.96
6	Goa	2763.64	2766.07	2790.65
7	Gujarat	728.25	732.87	731.64
8	Haryana	644.87	648.53	648.17
9	Himachal Pradesh	575.49	585.24	421.25
10	Jammu & Kashmir	91.22	94.92	98.14
11	Jharkhand	142.90	147.82	226.28
12	Karnataka	1041.29	1043.39	1097.11
13	Kerala	3591.85	3686.69	4361.89
14	Madhya Pradesh	534.65	536.39	531.78
15	Maharashtra	881.89	886.16	718.00
16	Manipur	564.07	564.29	739.11
17	Meghalaya	426.41	432.52	430.78
18	Mizoram	233.05	232.34	257.39
19	Nagaland	1237.89	1245.37	1582.79
20	Orissa	1368.27	1373.22	1381.70
21	Punjab	794.71	908.76	923.12
22	Rajasthan	409.54	423.38	437.57
23	Sikkim	285.09	290.73	292.56
24	TamilNadu	1287.50	1313.44	1354.85
25	Tripura	2126.17	2275.03	3024.60
26	Uttar Pradesh	1078.86	1014.59	1065.39
27	Uttarakhand	649.10	1085.47	666.74
28	West Bengal	997.16	1010.67	2204.78
	<b>All States</b>	<b>783.15</b>	<b>803.76</b>	<b>893.07</b>
	<b>Union Territories</b>			
1	A & N Island	143.17	179.54	157.35
2	Chandigarh	14359.65	14359.65	18578.95
3	D & N Haveli	1138.49	1287.17	1287.17
4	Daman & Diu	2142.86	2839.29	1991.07
5	Delhi	20095.75	20102.49	19863.79
6	Lakshadweep	4812.50	5000.00	5000.00
7	Puducherry	5342.38	5427.97	5455.11
	<b>All UTs</b>	<b>3296.72</b>	<b>3343.07</b>	<b>3330.47</b>
	<b>All India</b>	<b>791.53</b>	<b>812.22</b>	<b>901.19</b>

\* Excludes Roads Constructed under JRY and PMGSY

Contd...

State wise Road Density Per 1000 km<sup>2</sup> \*

(in km)

Sl. No.	States / UTs	2006	2007	2008	CAGR (%) (2003-08)
1	Andhra Pradesh	1225.19	1232.53	1254.38	11.31
2	Arunachal Pradesh	205.58	208.14	196.96	1.04
3	Assam	2751.46	2848.75	2936.51	7.51
4	Bihar	1275.73	1275.73	1275.73	8.81
5	Chattisgarh	546.57	545.19	550.58	0.46
6	Goa	2814.69	2842.52	2854.94	0.65
7	Gujarat	738.57	742.92	748.02	0.54
8	Haryana	657.17	664.91	672.35	0.84
9	Himachal Pradesh	424.16	627.84	651.99	2.53
10	Jammu & Kashmir	99.19	99.25	100.45	1.95
11	Jharkhand	226.50	226.70	219.92	9.01
12	Karnataka	1116.90	1323.84	1331.94	5.05
13	Kerala	4815.56	5080.77	5268.69	7.96
14	Madhya Pradesh	534.64	536.61	537.69	0.11
15	Maharashtra	716.40	725.16	725.75	-3.82
16	Manipur	739.11	739.11	739.11	5.55
17	Meghalaya	432.07	434.79	438.67	0.57
18	Mizoram	283.38	291.45	292.11	4.62
19	Nagaland	1332.11	1323.78	1345.32	1.68
20	Orissa	1382.17	1382.73	1383.39	0.22
21	Punjab	896.81	896.21	897.07	2.45
22	Rajasthan	445.41	467.22	501.05	4.12
23	Sikkim	298.48	263.95	263.95	-1.53
24	TamilNadu	1378.98	1390.33	1393.32	1.59
25	Tripura	3026.03	3026.03	3026.23	7.32
26	Uttar Pradesh	1093.92	1130.47	1181.57	1.84
27	Uttarakhand	674.25	732.33	767.37	3.40
28	West Bengal	2242.79	2348.29	2386.09	19.07
	<b>All States</b>	<b>908.82</b>	<b>941.10</b>	<b>957.77</b>	<b>4.11</b>
	<b>Union Territories</b>				
1	A & N Island	157.72	157.96	157.72	1.95
2	Chandigarh	18578.95	18578.95	18578.95	5.29
3	D & N Haveli	1287.17	1287.17	1287.17	2.49
4	Daman & Diu	1991.07	1991.07	2000.00	-1.37
5	Delhi	19866.49	19877.95	19931.89	-0.16
6	Lakshadweep	5062.50	5187.50	5250.39	1.76
7	Puducherry	5478.08	5628.39	5628.39	1.05
	<b>All UTs</b>	<b>3332.30</b>	<b>3340.97</b>	<b>3348.36</b>	<b>0.31</b>
	<b>All India</b>	<b>916.89</b>	<b>949.09</b>	<b>965.73</b>	<b>4.06</b>

\* Excludes Roads Constructed under JRY and PMGSY



## Annexure 24

## Per Capita Consumption of Electricity (kWh)

Region / State / U.T.		2006-07	2007-08	2008-09	2009-10
1	Haryana	1208.21	1295.58	1278.85	1222.21
2	Himachal Pradesh	872.00	966.80	1015.76	1379.99
3	Jammu & Kashmir	758.63	794.54	894.40	952.02
4	Punjab	1506.28	1613.71	1552.99	1526.86
5	Rajasthan	590.69	691.98	747.07	736.20
6	Uttar Pradesh	340.50	345.66	371.89	348.37
7	Uttaranchal	706.84	855.54	920.69	1112.29
8	Chandigarh	1486.66	1556.65	1247.49	1340.00
9	Delhi	1417.22	1433.36	1374.16	1651.26
	<b>Northern Region</b>	<b>623.09</b>	<b>666.39</b>	<b>688.15</b>	<b>695.11</b>
10	Chattisgarh	934.78	873.57	1417.60	1546.94
11	Gujarat	1330.82	1486.31	1457.29	1615.24
12	Madhya Pradesh	581.73	623.11	583.75	602.07
13	Maharashtra	975.43	1019.91	969.40	1028.22
14	Goa	2097.71	2168.77	2259.85	2263.63
15	Daman & Diu	8950.43	9472.79	6507.96	7118.23
16	D&N Haveli	13310.33	14787.38	11094.49	11863.64
	<b>Western Region</b>	<b>969.08</b>	<b>1029.53</b>	<b>1039.02</b>	<b>1116.92</b>
17	Andhra Pradesh	802.39	877.06	928.16	966.99
18	Karnataka	805.50	843.67	854.35	903.24
19	Kerala	440.77	444.48	444.00	525.25
20	Tamil Nadu	1079.94	1144.94	1134.48	1131.58
21	Puducherry	2692.81	2357.28	1988.37	1743.37
22	Lakshadweep	402.14	426.85	453.00	418.14
	<b>Southern Region</b>	<b>836.56</b>	<b>887.97</b>	<b>904.49</b>	<b>938.88</b>
23	Bihar	91.00	100.69	107.14	122.11
24	Jharkhand	659.15	643.05	695.55	880.43
25	Orissa	664.68	751.54	775.16	874.26
26	West Bengal	396.79	439.17	442.45	550.16
27	A&N Island	458.05	514.61	474.70	493.98
28	Sikkim	533.37	732.22	806.29	850.00
	<b>Eastern Region</b>	<b>357.67</b>	<b>388.03</b>	<b>401.11</b>	<b>481.36</b>
29	Assam	175.09	188.03	199.15	204.80
30	Manipur	194.80	222.31	241.73	240.22
31	Meghalaya	546.83	629.19	655.38	675.19
32	Nagaland	173.29	199.35	225.98	218.03
33	Tripura	178.90	202.41	203.75	335.47
34	Arunachal Pradesh	299.11	456.39	447.47	470.00
35	Mizoram	162.63	353.95	378.29	376.99
	<b>N. E. Region</b>	<b>203.98</b>	<b>229.16</b>	<b>241.85</b>	<b>257.98</b>
	<b>ALL INDIA</b>	<b>671.89</b>	<b>717.13</b>	<b>733.54</b>	<b>778.71</b>

## Annexure 25

## Distribution of Operational Holding and Area according to the Size Classes during 2005-2006

Sl. No.	Size Class	No. of operational holding			Area of operational holding		
		Total	%	Cumulative Percentage	Total	%	Cumulative Percentage
1	2	3	4	5	6	7	8
1	Below 0.5	33184	62.82	62.82	6226	10.25	10.25
2	0.5 - 1.0	9561	18.10	80.92	6196	10.20	20.45
3	1.0 - 2.0	5788	10.96	91.88	7184	11.83	32.28
4	2.0 - 3.0	1990	3.77	95.65	4470	7.36	39.64
5	3.0 - 4.0	691	1.31	96.96	2255	3.71	43.35
6	4.0 - 5.0	449	0.85	97.81	1902	3.13	46.48
7	5.0 - 7.5	524	0.99	98.80	3046	5.01	51.49
8	7.5 - 10.0	222	0.42	99.22	1865	3.07	54.56
9	10.0-20.0	282	0.53	99.75	3667	6.04	60.60
10	20.0 & Above	130	0.25	100.00	23931	39.40	100.00
<b>Total</b>		<b>52821</b>	<b>100.00</b>	<b>--</b>	<b>60742</b>	<b>100.00</b>	<b>--</b>

Source: Directorate of Agriculture, Government of Goa

## Annexure 26

## Distribution of Number and Area of Operational Holding by Five Major Classes of Holdings in 2000-01 and 2005-06

Major Size Classes	Size Group (in Ha.)	Numbers				Area (In Ha.)			
		Numbers		Percentages		Hectares		Percentages	
		2000-01	2005-06	2000-01	2005-06	2000-01	2005-06	2000-01	2005-06
1	2	3	4	5	6	7	8	9	10
Marginal	Below 1.0	52318	42745	81.64	80.92	16909	12422	31.36	20.45
Small	1.0 - 2.0	6590	5788	10.28	10.96	8312	7183	15.41	11.83
<b>Sub-Total</b>	Below 2.0	58908	48533	91.92	91.88	25221	19605	46.77	32.28
Semi-Medium	2.0 - 4.0	3196	2681	4.99	5.08	8161	6725	15.14	11.07
<b>Sub-Total</b>	Below 4.0	62104	51214	96.91	96.96	33382	26330	61.91	43.35
Medium	4.0 - 10.0	1458	1195	2.28	2.26	8229	6813	15.26	11.22
Large	Above 10.0	518	412	0.81	0.78	12313	27599	22.83	45.43
<b>All Categories</b>		<b>64080</b>	<b>52821</b>	<b>100</b>	<b>100</b>	<b>53924</b>	<b>60742</b>	<b>100</b>	<b>100</b>

Source: Directorate of Agriculture, Government of Goa

## Annexure 27

## Distribution of Number and Area of Operational Holding according to Individual, Joint and Institutional holding during 2005-06

Sl. No.	Category	Number	Percentage	Area	Percentage
1	Individual	51200	96.93	38314	63.08
2	Joint	1528	2.89	1967	3.24
3	Institutional	93	0.18	20461	33.68
<b>Total</b>		<b>52821</b>	<b>100.00</b>	<b>60742</b>	<b>100.00</b>

Source: Directorate of Agriculture, Government of Goa

## Annexure 28

## Taluka wise Distribution of Operational Holdings by Classes in 2005-2006

Taluka	No. of Operational holdin	Less than 1.0 ha (Marginal)	1.0 to 2.0 ha (Small)	2.0 to 4.0 ha (Semi Medium)	4.0 to 10.0 ha. (Medium)	10.0 & above	Total
Tiswadi	No.	2394	98	44	38	22	2596
		(92.22)	(3.78)	(1.69)	(1.46)	(0.85)	(100)
Tiswadi	Area	668	112	112	206	390	1488
		(44.89)	(7.53)	(7.53)	(13.84)	(26.21)	(100)
Bardez	No.	4405	371	140	14	4	4934
		(89.28)	(7.52)	(2.84)	(0.28)	(0.08)	(100)
Bardez	Area	1293	449	310	91	71	2214
		(58.40)	(20.28)	(14.00)	(4.11)	(3.21)	(100)
Pernem	No.	4071	412	164	36	4	4687
		(86.86)	(8.79)	(3.50)	(0.77)	(0.08)	(100)
Pernem	Area	1185	504	430	185	111	2415
		(49.07)	(20.87)	(17.80)	(7.66)	(4.60)	(100)
Bicholim	No.	3710	674	397	251	91	5123
		(72.42)	(13.15)	(7.75)	(4.90)	(1.78)	(100)
Bicholim	Area	1272	808	978	1413	1717	6188
		(20.56)	(13.06)	(15.80)	(22.83)	(27.75)	(100)
Sattari	No.	3369	1369	699	282	77	5796
		(58.13)	(23.62)	(12.06)	(4.86)	(1.33)	(100)
Sattari	Area	1373	1750	1734	1609	1956	8422
		(16.30)	(20.78)	(20.59)	(19.10)	(23.23)	(100)
Ponda	No.	4762	444	246	120	40	5612
		(84.86)	(7.91)	(4.38)	(2.14)	(0.71)	(100)
Ponda	Area	1278	549	644	693	612	3776
		(33.85)	(14.54)	(17.05)	(18.35)	(16.21)	(100)
North Goa (District)	No.	22711	3368	1690	741	238	28748
		(79.00)	(11.71)	(5.88)	(2.58)	(0.83)	(100)
North Goa (District)	Area	7069	4172	4207	4198	4857	24503
		(28.85)	(17.03)	(17.17)	(17.13)	(19.82)	(100)

Note: Figures in brackets are in percentages

Source: Directorate of Agriculture, Government of Goa

Contd..

## Taluka wise Distribution of Operational Holdings by Classes in 2005-2006

Taluka	No. of Operational holding	Less than 1.0 ha (Marginal)	1.0 to 2.0 Ha (Small)	4.0 to 10.0 ha (Medium)	10.0 & above (Large)	Total
Sanguem	No.	3224	910	122	89	4617
		(69.83)	(19.71)	(2.64)	(1.93)	(100)
	Area	1028	1018	650	2001	5358
		(19.19)	(19.00)	(12.13)	(37.34)	(100)
Salcete	No.	7104	120	6	6	7256
		(97.91)	(1.65)	(0.08)	(0.08)	(100)
	Area	1577	143	34	265	2068
		(76.28)	(6.93)	(1.63)	(12.79)	(100)
Quepem	No.	4630	715	213	50	6074
		(76.23)	(11.77)	(3.51)	(0.82)	(100)
	Area	1393	991	1260	1148	6018
		(23.15)	(16.47)	(20.93)	(19.08)	(100)
Mormugao	No.	610	80	-	2	714
		(85.43)	(11.21)	-	(0.28)	(100)
	Area	138	86	-	25	299
		(46.16)	(28.76)	-	(8.36)	(100)
Canacona	No.	4466	595	113	27	5412
		(82.52)	(10.99)	(2.09)	(0.50)	(100)
	Area	1215	774	672	19303	22496
		(5.40)	(3.44)	(2.99)	(85.81)	(100)
South Goa (District)	No.	20034	2420	454	174	24073
		(83.22)	(10.05)	(1.89)	(0.72)	(100)
	Area	5353	3012	2615	22742	36239
		(14.77)	(8.31)	(7.22)	(62.75)	(100)
Goa State (Total)	No.	42745	5788	1195	412	52821
		(80.92)	(10.96)	(2.26)	(0.78)	(100)
	Area	12422	7183	6813	27599	60742
		(20.45)	(11.83)	(11.22)	(45.43)	(100)

Note: Figures in brackets are in percentages

Source: Directorate of Agriculture, Government of Goa

## Annexure 29

## Distribution of the Co-operative Societies

Type of Co-operative bank / society	As on 31 <sup>st</sup> March				
	2006-07	2007-08	2008-09	2009-10	2010-11
Goa State Co-operative Bank	1	1	1	1	1
Urban Co-operative Bank	6	6	6	6	6
Urban Co-operative Credit Societies	118	118	118	119	119
Salary Earners Co-operative Credit Societies	252	250	251	255	256
Consumer Co-operative Societies	71	70	70	67	69
Dairy Co-operative Societies	167	169	172	173	173
Farming Co-operative Societies	5	6	6	6	6
Fisheries Co-operative Societies	14	11	12	14	13
Housing Co-operative Societies	1516	1596	1655	1720	1785
Industrial Co-operative Societies	22	26	16	25	25
Marketing Co-operative Societies	9	11	11	8	10
Poultry Co-operative Societies	2	2	1	2	2
Processing Co-operative Societies	7	8	6	6	7
Service Co-operative Societies	77	75	75	79	82
Transport Co-operative Societies	2	3	2	2	2
Labour Co-operative Societies	12	12	5	9	11
Panivatap Co-operative Societies	58	65	70	73	77
Sangh & Union Federation	3	3	3	3	4
General Co-operative Societies	23	34	30	33	40
Producers Co-operative Societies	7	5	8	10	9
<b>TOTAL</b>	<b>2372</b>	<b>2471</b>	<b>2518</b>	<b>2611</b>	<b>2697</b>

Source: Registrar of Co-operative Societies, Government of Goa

## Annexure 30

## Important Characteristics of Cooperative Societies

Particulars	Position as on 31 <sup>st</sup> March				
	2007	2008	2009	2010	2011
No. of Coop. Societies	2372.00	2471.00	2480.00	2611.00	2697.00
Membership (No. in lakh)	8.60	8.85	8.83	9.13	9.22
Paid up share capital (Rs. in crore)	232.70	140.75	348.89	302.77	322.59
Working Capital (Rs. in crore)	3051.67	2253.68	2759.23	5747.03	6085.00
Deposits (Rs. in crore)	2133.68	2191.40	2557.66	3843.85	4630.70
Consumer Business (Rs. in crore)	308.05	346.42	250.85	531.63	438.64

Source: Registrar of Co-operative Societies, Government of Goa



## Annexure 31

## Nationality wise Foreign Tourist Arrivals during the year 2011 (P)

Sl. No.	Countries	No. of Tourists Arrived 2011 (P)	%
1	U. K.	117683	26.39
2	Russia	133780	30.00
3	Germany	30234	6.78
4	Finland	24972	5.60
5	France	17258	3.87
6	Switzerland	13199	2.96
7	Sweden	15964	3.58
8	U.S.A.	8160	1.83
9	Australia	6778	1.52
10	South Africa	2944	0.66
11	Brazil	1294	0.29
12	Italy	3211	0.72
13	Canada	3656	0.82
14	Japan	1963	0.44
15	Denmark	2541	0.57
16	Austria	2185	0.49
17	Holland	1383	0.31
18	Portugal	1115	0.25
19	Ireland	1204	0.27
20	Belgium	580	0.13
21	Norway	446	0.10
22	Iran	981	0.22
23	U.A.E.	624	0.14
24	New Zealand	357	0.08
25	Greece	89	0.02
26	Lithvania	1026	0.23
27	Czech	535	0.12
28	Others	51773	11.61
	<b>Total</b>	<b>445935</b>	<b>100</b>

P: Provisional

Source: Directorate of Tourism, Government of Goa

## Annexure 32

## Year wise Number of Ration Card Holders

(in lakh)

Annual Income Group	Card Type	Card Holders as on 31 <sup>st</sup> Dec					
		2006	2007	2008	2009	2010	2011
Upto Rs. 15000	Yellow (AAY)	12103	13161	13336	13357	14507	14480
Rs. 15000-100000	Saffron (BPL)	16106	13993	14049	14065	12904	12879
More than Rs. 100000	White (APL)	319478	299825	311192	321689	332770	347311

Source: Directorate of Civil Supplies &amp; Consumer Affairs, Government of Goa

## Annexure 33

Allotment and off take of food grains for AAY, BPL (excluding AAY) and APL  
(Lakh MT)

Year	Rice			Wheat		
	Allotment in MTS	Off take in MTS	%	Allotment in MTS	Off take in MTS	%
AAY						
2008-09	6108	5510	90.2	-	-	-
2009-10	6108	5585	91.43	-	-	-
2010-11	6108	6108	100	-	-	-
BPL (excluding AAY)						
2008-09	5460	5460	100	-	-	-
2009-10	5460	5460	100	-	-	-
2010-11	7300	7300	100	-	-	-
APL						
2008-09	18078	18078	100	6709	6709	100
2009-10	26644	26644	100	5976	5976	100
2010-11	29928	29928	100	10872	10872	100

Source: Directorate of Civil Supplies &amp; Consumer Affairs, Government of Goa

**Annexure 34**  
**State wise Sex Ratio (Female per 1000 Males) in India (As per 1951 to 2011 Census)**

States / UT	Census year					
	1961	1971	1981	1991	2001	2011 (Prov.)
India	941	930	934	927	933	940
Andaman & Nicobar Islands	617	644	760	818	846	878
Andhra Pradesh	981	977	975	972	978	992
Arunachal Pradesh	894	861	862	859	901	920
Assam	869	896	910	923	932	954
Bihar	1005	957	948	907	921	916
Chandigarh	652	749	769	790	773	818
Chhatisgarh	1008	998	996	985	990	991
Dadar & Nagar Haveli	963	1007	974	952	811	775
Daman & Diu	1169	1099	1062	969	709	618
Delhi	785	801	808	827	821	866
Goa	1066	981	975	967	960	968
Gujarat	940	934	942	934	921	918
Haryana	868	867	870	865	861	877
Himachal Pradesh	938	958	973	976	970	974
Jammu & Kashmir	878	878	892	896	900	883
Jarkhand	960	945	940	922	941	947
Karnataka	959	957	963	960	964	968
Kerala	1022	1016	1032	1036	1058	1084
LakshawEEP	1020	978	975	943	947	946
Madhya Pradesh	932	920	921	912	920	930
Maharashtra	936	930	937	934	922	925
Manipur	1015	980	971	958	978	987
Meghalaya	937	942	954	955	975	986
Mizoram	1009	946	919	921	938	975
Nagaland	933	871	863	886	909	931
Orissa	1001	988	981	971	972	978
Pondicherry	1013	989	985	979	1001	1038
Punjab	854	865	879	882	874	893
Rajasthan	908	911	919	910	922	926
Sikkim	904	863	835	878	875	889
Tamil Nadu	992	978	977	974	986	995
Tripura	932	943	946	945	950	961
Uttar Pradesh	907	876	882	876	898	908
Uttarkhand	947	940	936	936	964	963
West Bengal	878	891	911	917	934	947

Source: Office of the Registrar General and Census Commissioner, India.

## Annexure 35

## Important Variety wise Quantity of Inland Fish Catch (in M Tones)

Name of the Fish		2004	2005	2006	2007	2008	2009	2010
Prawns	Big	64	46	48	15	11	10	21
	Medium	150	111	158	77	41	46	51
	small	987	716	979	811	571	618	333
Lady Fish		74	80	76	38	26	35	41
Mullet		186	207	196	233	304	375	354
Gerres		65	80	70	79	81	96	102
Lutianus		35	45	37	5	7	7	16
Cat Fish		205	210	196	111	115	144	167
Anchovy		31	34	35	3	1	5	14
Pearl Spot		59	71	64	116	140	171	172
Betki		5	7	4	1	1	1	5
Milk fish		0	1	0	30	26	33	39
Megalops		1	1	0	4	1	20	28
Scatophagus		31	31	33	36	37	45	54
Ambasis		83	92	88	9	27	48	32
Crabs		143	161	138	116	116	151	152
Black Water Clamps		756	716	718	604	307	332	330
False Clamps		179	163	155	70	360	158	555
Oysters		380	184	167	1	1	2	6
Balle		0	0	4	0	0	0	1
Other(Palu)		--	--	--	0	0	0	15
Lepo		--	--	--	--	--	--	2
Green Clamps		364	464	358	88	--	0	1
Miscellaneous		594	765	607	625	905	986	819
<b>Total</b>		<b>4392</b>	<b>4185</b>	<b>4131</b>	<b>3072</b>	<b>3078</b>	<b>3283</b>	<b>3311</b>

Source: Directorate of Fisheries

## Annexure 36

## Important Variety wise Quantity o Marine Fish catch (in M Tones)

Name of Species	2004	2005	2006	2007	2008	2009	2010
Mackrals ( Bangdo )	6303	12006	12244	19980	16597	15169	23831
Sardines ( Tarlo )	34203	28246	30558	28574	34062	23496	23732
Cat Fish ( Sangot )	1043	1303	2586	1821	1480	2279	1402
Shark Fish ( Mori )	1305	1716	988	1007	1019	1329	3159
Seer Fish ( wiswan )	3478	9556	3522	4407	3777	2285	1229
Prawns ( sungtam )	5586	10599	9065	8642	7458	9795	9970
Promprets ( paplet )	568	720	446	559	534	284	185
Cuttle Fish ( Manki )	1737	73	1919	330	2201	--	--
Tuna	609	2459	589	1916	2095	1044	2524
Ribbon Fish ( Balle )	3647	5791	5354	1368	2551	558	839
Reef Cod ( Gobro )	2371	0	0	0	276	--	--
Kowalkawal ( Velli )	421	854	724	226	455	395	279
Golden Anchovy (Kapsali )	9	17	30	3	57	0	2
Silver Belly ( Karli )	2489	2046	3187	1664	1688	1976	1584
Soles ( lepo )	2016	2054	2339	1950	1795	1532	1606
Silver Bar ( Karli )	336	849	435	251	336	637	219
Crabs ( Kurlo )	972	994	1092	819	1021	1349	763
Sciaenoides (Dodiario )	2634	3211	2404	1938	2780	2207	1376
Butter Fish (Soundale )	340	598	892	615	655	1353	1116
Others	14327	19995	17952	15115	7934	14999	13246
<b>Total</b>	<b>84394</b>	<b>103087</b>	<b>96326</b>	<b>91185</b>	<b>88771</b>	<b>80687</b>	<b>87062</b>

Source: Directorate of Fisheries

## Annexure 37

**Block-wise matching grants released to Panchayats**  
(Rs. in lakh)

Sl. No.	Block	No. of Panchayats	Actual Expenditure		
			2009-10	2010-11	2011-12
1	2	3	4	5	6
1	Tiswadi	19	66.10	55.12	58.94
2	Ponda	19	63.78	50.78	54.47
3	Sattari	12	26.10	28.83	25.89
4	Bardez	33	113.94	114.03	97.19
5	Bicholim	17	38.82	31.30	30.06
6	Pernem	20	42.10	39.96	39.72
7	Salcete	30	108.43	88.17	101.22
8	Mormugao	9	37.89	33.92	25.46
9	Quepem	11	18.66	20.65	18.12
10	Sanguem	12	23.77	20.74	10.05
11	Canacona	7	16.31	8.32	15.05
12	Dharbandora	5	0.00	0.00	16.55
	<b>Total</b>	<b>189</b>	<b>555.90</b>	<b>491.82</b>	<b>492.72</b>

Source: Directorate of Panchayats, Government of Goa

## ANNEXURE 38

**Block-wise grants for infrastructure development released to Panchayats**  
(Rs. in lakh)

Sl. No	Block	Actual Expenditure							
		2008-09		2009-10		2010-11		2011-12	
		No. of Panchayats	Amt.	No. of panchayats	Amt.	No. of panchayats	Amt.	No. of panchayats	Amt.
1	2	3	4	5	6	7	8	9	10
1	Tiswadi	6	42.97	8	43.87	6	31.70	5	18.81
2	Ponda	4	18.11	4	47.19	2	10.14	7	56.54
3	Sattari	10	64.34	10	94.43	9	53.31	10	69.38
4	Bardez	13	94.56	10	87.45	13	87.25	13	74.50
5	Bicholim	10	55.58	7	56.16	5	22.10	11	74.73
6	Pernem	17	406.88	11	267.78	16	321.68	12	454.83
7	Salcete	5	22.35	3	26.57	5	19.43	7	31.02
8	Mormugao	-	-	-	-	1	12.55	1	8.19
9	Quepem	-	40.19	9	76.54	2	7.35	13	167.09
10	Sanguem	5	23.60	-	-	2	7.50	2	10.51
11	Canacona	6	34.81	3	20			3	15.56
12	Dharbandora								
	<b>Total</b>	<b>76</b>	<b>803.39</b>	<b>65</b>	<b>719.99</b>	<b>61</b>	<b>573.01</b>	<b>84</b>	<b>981.16</b>

Source: Directorate of Panchayats, Government of Goa



**Annexure 39**  
**Block-wise income of Panchayats by Broad Heads 2010-11**

Sl. No.	Block	Income for the Year 2010-11 (Rs in lakh)				
		Grants from Government	Other Grants	Proceeds of Taxes, fees etc.	Others	Total
1	2	3	4	5	6	7
1	Tiswadi	204.78	31.78	353.72	246.41	836.69
2	Ponda	257.19	77.36	237.82	171.90	744.27
3	Sattari	325.53	54.30	36.69	65.93	482.46
4	Bardez	561.58	105.35	634.49	220.55	1521.97
5	Bicholim	534.82	29.17	46.17	123.16	733.32
6	Pernem	584.02	155.93	44.60	137.46	922.01
7	Salcete	279.34	64.42	296.52	324.60	964.88
8	Mormugao	187.57	5.67	258.21	79.70	531.15
9	Quepem	222.59	36.35	21.48	35.73	316.15
10	Sanguem	103.51	40.08	78.11	37.57	259.27
11	Canacona	119.23	47.40	15.06	19.23	200.92
12	Dharbandora	67.18	32.80	135.85	28.09	263.92
	<b>Total</b>	<b>3447.34</b>	<b>680.61</b>	<b>2158.72</b>	<b>1490.33</b>	<b>7777.01</b>

Source: Directorate of Panchayats, Government of Goa

**Annexure 40**  
**Block-wise expenditure of Panchayats by broad heads 2010-11**

Block	Expenditure for the Year 2009 – 10 (Rs in lakh)							
	Administration	Sanitation & Public Health	Public Works	Planning And Development	Education	Social Welfare	Miscellaneous	Total
1	2	3	4	5	6	7	8	9
Tiswadi	183.33	42.39	475.68	2.45	11.11	2.56	127.01	844.73
Ponda	183.72	36.56	342.82	4.87	27.79	8.09	106.58	710.43
Sattari	82.85	13.69	302.71	2.20	1.00	1.07	34.63	438.15
Bardez	296.38	91.70	693.70	11.13	17.19	25.64	156.83	1292.57
Bicholim	123.40	29.14	349.20	1.00	9.50	7.85	76.62	596.71
Pernem	132.95	11.99	644.14	7.32	3.60	0.89	118.55	919.44
Salcete	270.64	51.17	213.56	24.55	18.82	10.74	51.40	640.88
Mormugao	103.17	24.74	256.24	20.47	5.15	16.20	55.49	481.46
Quepem	67.95	7.54	162.56	0.43	0.88	0.34	36.30	276.00
Sanguem	50.67	9.82	77.54	12.68	1.85	1.69	20.79	175.04
Canacona	48.15	3.57	43.23	-	1.51	1.55	60.86	158.87
Dharbandora	50.34	13.92	60.09	16.78	9.55	2.62	32.13	185.43
<b>Total</b>	<b>1593.55</b>	<b>336.23</b>	<b>3621.47</b>	<b>103.88</b>	<b>107.95</b>	<b>79.24</b>	<b>877.19</b>	<b>6719.71</b>

Source: Directorate of Panchayats, Government of Goa

**Annexure 41**  
**Block-wise Total Income and expenditure of Panchayats**

(Rs. in lakh)

Block	Year					
	2008-09		2009-10		2010-11	
	Income	Expendi- ture	Income	Expendi- ture	Income	Expendi- ture
1	2	3	4	5	6	7
Tiswadi	618.05	577.62	813.08	682.55	836.69	844.73
Ponda	643.81	505.90	488.53	439.73	744.27	710.43
Sattari	298.34	293.65	488.94	443.90	482.46	438.15
Bardez	1166.30	1202.34	1381.26	1271.75	1521.97	1292.57
Bicholim	405.30	337.09	733.45	530.36	733.32	596.71
Pernem	696.00	623.32	713.67	723.89	922.01	919.44
Salcete	808.72	448.70	790.52	454.52	964.88	640.88
Mormugao	308.93	247.03	749.82	399.66	531.15	481.46
Quepem	139.95	99.81	179.96	160.41	316.15	276.00
Sanguem	365.30	255.33	474.41	358.65	259.27	175.04
Canacona	166.12	124.32	116.07	111.34	200.92	158.87
Dharbandora	-	-	-	-	263.92	185.43
<b>Total</b>	<b>5616.82</b>	<b>4715.11</b>	<b>6929.71</b>	<b>5576.76</b>	<b>7777.01</b>	<b>6719.71</b>

Source: Directorate of Panchayats, Government of Goa

## Annexure 42

## Revenue Receipts of Commercial Tax

(Rs. in lakh)

Year	Sales Tax			Luxury Tax	Entertainment Tax	Entry Tax
	Local/VAT	Central	Total			
1987-88	3816.77	-	3816.77		76.63	
1988-89	3867.24	346.27	4213.51	77.88	79.34	
1989-90	4451.60	426.72	4878.32	166.75	69.21	
1990-91	5342.82	527.87	5870.69	182.30	73.95	
1991-92	7341.14	788.77	8129.91	399.49	72.86	
1992-93	9445.14	965.54	10410.68	546.51	79.49	
1993-94	12218.84	1331.86	13550.70	851.15	77.08	
1994-95	14427.74	1495.22	15922.96	1024.08	84.92	
1995-96	17766.58	1583.83	19350.41	1250.79	136.28	
1996-97	19970.64	2059.55	22030.19	1426.64	136.47	
1997-98	23801.99	2020.47	25822.46	1560.62	181.79	
1998-99	23520.75	1901.29	25422.04	1682.09	193.06	
1999-2000	31998.76	2819.26	34818.02	1604.32	192.95	
2000-01	34673.42	4108.87	38782.29	1734.75	192.85	895.87
2001-02	36537.04	3610.20	40147.24	1495.43	271.52	3142.09
2002-03	39893.04	4026.18	43919.22	1592.77	236.45	2517.32
2003-04	46352.48	3883.83	50236.31	2473.35	210.92	3520.88
2004-05	50269.95	6449.18	56719.13	2700.73	248.45	9630.79
2005-06	67234.34	7096.66	74331.00	2992.18	517.79	12339.22
2006-07	78280.00	6201.60	84481.60	4273.30	508.61	12938.56
2007-08	83800.40	8050.11	91850.51	6750.00	1104.00	12738.00
2008-09	107290.91	5874.56	113165.47	6625.88	1955.51	14734.19
2009-10	106489.59	7723.07	114212.66	7798.27	2869.35	14853.29
2010-11	128058.16	9946.36	138004.52	8829.85	4369.83	16103.50
2011-12 upto Jan '12	126267.50	8282.57	134550.07	9849.59	4457.69	14151.39

Sales Tax figures for 1987-88 are including CST. Figures for 2011-12 are provisional  
Source: Office of the Commissioner of Commercial Taxes, Government of Goa

**Annexure 43****Head-wise Excise Revenue Receipts Collected**

(Rs.. in lakh)

<b>Head</b>	<b>2009-10</b>	<b>2010-11</b>
Country Liquor	50.17	94.79
Malt Liquor	3049.54	4017.85
Library Cess in the form of Surc. On Excise Duty	301.11	396.00
Excise Duty in the form of Health Surcharge	150.29	200.36
Foreign Liquors & Spirits	529.72	505.26
Commercial & Denatured Spirits	2.09	3.90
Medicinal & Toilet Preparation containing alcohol	131.61	270.25
Wines	180.71	207.70
Indian Made Foreign Liquors	3645.24	5407.79
Spirits	1097.54	1406.22
Sales to Canteen Stores Departments	39.85	30.38
Licences	1120.99	1145.46
Fines and Confiscation	5.52	13.50
Other Receipts	141.77	217.04
<b>Total</b>	<b>10446.15</b>	<b>13916.10</b>

**Annexure 44**  
**Net Value Added by Major Industry Division**

Sl. No.	NIC Code 2008	Industry Division	Net Value Added		% Growth
			(Rs. in lakh)		
			2008-09	2009-10(P)	
1	2	3	4	5	6
1	10	Manufacture of Food Products	26777	48034	79.39
2	11	Manufacture of Beverages	10999	16794	52.69
3	13	Manufacture of Textiles	13041	16290	24.91
4	17	Manufacture of Paper and Paper Products	3004	2349	-21.80
5	18	Printing & reproduction of recorded media	2713	6713	147.44
6	19	Manufacture of Coke & Refined Petroleum Products	21353	1038	-95.14
7	20	Manufacture of Chemicals & Chemical Products	72416	96216	32.87
8	21	Manufacture of Pharmaceuticals, Medicinal, Chemical & Botanical Products	164310	151961	-7.52
9	22	Manufacture of Rubber & Plastics Products	64890	50462	-22.23
10	23	Manufacture of other non-metallic mineral products	8600	13092	52.23
11	24	Manufacture of basic metals	31700	87855	177.15
12	25	Manufacture of fabricated metal products except machinery & equipment	4268	4658	9.14
13	26	Manufacture of Computer, Electronic & Optical Products	16045	5272	-67.14
14	27	Manufacture of electrical equipment	14835	24840	67.44
15	28	Manufacture of machinery & equipment n.e.c.	8397	12399	47.66
16	29	Manufacture of Motor Vehicles, Trailers & Semi trailers	5397	3118	-42.23
17	30	Manufacture of other transport equipment	4211	1057	-74.90
18	31	Manufacture of furniture	580	522	-10.00
19	32	Other Manufacturing	10599	11691	10.30
20	33	Repair & Installation of machinery & Equipment	-477	1360	385.12
21	58	Publishing Activities	0	293	
22	-	Others	6506	7983	22.70
		All Industries	490164	563997	15.06

Note: 'P' Provisional figures.

Source: Directorate of Planning, Statistics and Evaluation, Panaji- Goa.

**Annexure 45****Index of Industrial Production 1994-95 to 2009-2010**

(Base Year 1993-94 = 100)

Sl. No.	Year	Indices		
		Manufacturing (909.58)	Mineral (90.42)	Combined (1000.00)
1	2	3	4	5
1	1994-95	133	105	131
2	1995-96	161	107	156
3	1996-97	195	90	185
4	1997-98	232	115	221
5	1998-99	238	108	226
6	1999-2000	285	109	268
7	2000-01	305	98	287
8	2001-02	347	98	325
9	2002-03	383	118	359
10	2003-04	404	126	379
11	2004-05	415	159	392
12	2005-06	457	166	431
13	2006-07	508	207	481
14	2007-08	550	214	519
15	2008-09	567	244	538
16	2009-10	551	290	527

Source: Directorate of Planning, Statistics &amp; Evaluation, Panaji – Goa.



## Annexure 46

## Industrial Estate-wise details regarding Location, Units functioning and Employment Generated

Sr. No.	Name of the Industrial Estate	Location of the Industrial Estate	No. of Industrial Units Functioning in the Industrial Estates	No. of Employment Generated in the Industrial Estate
1	2	3	4	5
1	Corlim	Panaji Old Goa NH-4 Road, Corlim Ilhas, Tiswadi - Goa.	76	700
2	Pilerne	Betim - Saligao Road, Marra – Pilerne, Bardez, Goa.	80	2000
3	Mapusa	Mapusa – Siolim via Ganeshpuri road, Mapusa, Bardez – Goa.	26	300
4	Bicholim	Bicholim – Sanquelim road, Bicholim - Goa	85	1200
5	Honda	Honda - Valpoi road, Valpoi, Sattari – Goa	31	700
6	Tuem	Morjim - Pernem road, Tuem, Pernem - Goa	44	500
7	Bethora	Ponda - Dabhal Kirlapal road, Bethora, Ponda, Goa	85	1600
8	Madkaim	Mardol - Madkaim road, Madkaim, Ponda, Goa	58	1500
9	Sancoale	Verna - Airport road, Zuarinagar, Mormugao, Goa	138	2200
10	Verna	Panaji - Margao road, NH-17, Verna, Salcete - Goa	315	16000
11	Tivim	Mapusa - Colvale road, NH-17, Karaswada, Bardez - Goa	95	1500
12	Colvale	Mapusa - Colvale road, NH-17, Colvale, Bardez - Goa	22	700
13	Shiroda	Ponda – Sanvordem road, Shiroda, Ponda - Goa	--	--
14	Kundaim	Banastarim - Ponda road, NH-4, Kundaim, Ponda - Goa	220	4000
15	Pissurlem	Honda- Pissurlem road via Advai, Sattari - Goa	8	200
16	Kakoda	Curchorem - Sanguem road, Kakoda, Quepem, Goa	42	2000
17	Sanguem	Xelpe, Cortali Village, Sanguem - Goa	1	140
18	Cuncolim	Margao - Canacona road, Veroda village, Cuncolim, Salcete - Goa	83	1800
19	Canacona	Shrishtal, Canacona - Pollem road - Goa	30	300
20	Margao	St. Jose de Areal, Salcete - Goa.	113	1200
21	Betul	Balli, Fatorpa, Canaguinim road, Quepem, Goa	--	--
		<b>Total</b>	<b>1555</b>	<b>38540</b>

Source: Directorate of Industries, Trade & Commerce, Government of Goa.

## Annexure 47

## State / Union Territory-Wise Per Capita Deposit and Per Capita Credit of Commercial Bank as on March, 2010

Sr. No	States / Union Territory	Deposit (Rs.in crores)	Per Capita Deposit (In Rs.)	Credit (Rs.in crores)	Per Capita Credit (In Rs.)
1	2	3	4	5	6
	<b>STATE</b>				
1	Andhra Pradesh	249467	33657	262286	31238
2	Arunachal Pradesh	4442	36202	1116	9095
3	Assam	49545	16410	18311	6065
4	Bihar	101452	10525	29025	3011
5	Chhatisgarh	48417	20234	25540	10673
6	Goa	29497	172095	7534	43956
7	Gujarat	216470	37174	141316	24268
8	Haryana	109577	43796	69067	27605
9	Himachal Pradesh	27258	4051	11284	16772
10	Jharkhand	64826	20885	22329	7194
11	Jammu & Kashmir	34233	29593	16050	13874
12	Karnataka	291655	49598	224359	38154
13	Kerala	150619	43890	95785	27912
14	Madhya Pradesh	119335	16796	71358	10043
15	Maharashtra	1224329	11018	995343	89575
16	Manipur	2763	11412	1121	4630
17	Maghalaya	7814	30158	1953	7538
18	Mizoram	2453	24703	1166	11742
19	Nagaland	4244	19091	1266	5695
20	Orrisa	83446	20661	44361	10983
21	Punjab	133571	48806	94980	34705
22	Rajasthan	107021	16033	94408	14143
23	Sikim	3137	51851	1165	19256
24	Tamil Nadu	285337	42580	321418	47964
25	Tripura	7643	21385	2228	6234
26	Uttar Pradesh	314778	15957	134015	6793
27	Uttarakhand	42395	43260	14328	14620
28	West Bengal	276704	31206	169698	19138
	<b>UNION TERRITORY</b>				
29	Andaman & Nicobar Island	1614	33625	581	12104
30	Chandigarh	31758	232149	41817	305680
31	Dadra & Nagar Haveli	968	2874	578	17151
32	Daman & Diu	1459	56332	289	11158
33	Delhi	567099	316197	425999	237524
34	Lakshadweep	428	57067	32	4267
35	Punducherry	6170	46356	3512	26386
	<b>ALL INDIA</b>	<b>4601926</b>	<b>39107</b>	<b>3345619</b>	<b>28431</b>

Source: Quarterly Statistics on Deposits and Credit of Scheduled Commercial Banks, Reserve Bank of India, March, 2010

## Annexure 48

## Review of Performance under Annual Credit Plan 2011-12 as on 30.09.2011

(Rs. in crore)

Activity	Annual Credit Plan 2011-12			Achievement up to 30.09.11			% Achievement up to Sept 11
	North Goa	South Goa	Goa State	North Goa	South Goa	Goa State	
Agriculture Crop Loans	63.03	36.10	99.13	30.28	12.10	42.38	43%
Agriculture Term Loans	125.07	105.70	230.77	19.71	11.68	31.39	14%
Sub total Agriculture	188.10	141.80	329.90	49.99	23.78	73.17	22%
Industries	347.91	107.61	455.52	27.85	17.25	45.10	10%
OPS (services)	707.80	582.20	1290.00	272.37	192.59	464.96	36%
Total	1243.81	831.61	2075.42	350.21	233.62	583.83	28%

Source: State Bank of India, Lead Bank Department, Local Head Office, Mumbai.

## Annexure 49

## Comparative position of achievement under ACP 2010-11 &amp; 2011-12

(Rs. in crore)

Activity	Achievement under Annual Credit Plan 2010-11 up to Sept 2010			% Achievement up to Sept 2010	Achievement under Annual Credit Plan 2011-12 up to Sept 2011			% Achievement up to Sept 2011
	North Goa	South Goa	Goa State		North Goa	South Goa	Goa State	
Agriculture Crop Loans	6.20	2.08	8.28	8%	30.28	12.10	42.38	43%
Agriculture Term Loans	31.75	41.80	73.55	50%	19.71	11.68	31.39	14%
Sub total Agriculture	37.95	43.88	81.83	33%	49.99	23.78	73.77	22%
Industries	30.38	31.80	62.18	17%	27.85	17.25	45.10	10%
OPS (services)	426.65	319.32	745.97	72%	272.37	192.59	464.96	36%
Total	494.99	395.00	889.99	55%	350.21	233.62	583.83	28%

Source: State Bank of India, Lead Bank Department, Local Head Office, Mumbai.

## Annexure 50

Year wise number of children under five years of age who were administered Polio vaccine from 2004 to 2011 in the various rounds, date-wise

Year	Rounds	Number of children covered
2004	04/01/2004	133,875
	22/02/2004	136,265
	04/04/2004	133,108
	10/10/2004	130,739
	21/11/2004	132,129
2005	10/04/2005	130,305
	15/05/2005	127,233
2006	09/04/2006	130,949
	21/05/2006	125,760
2007	07/01/2007	133,862
	11/02/2007	133,133
2008	06/01/2008	133,887
	10/02/2008	134,155
2009	21/12/2008	130,957
	01/02/2009	133,798
2010	10/01/2010	132,477
	07/02/2010	131,814
2011	23/01/2011	130,792
	27/02/2011	131,776

Source: Directorate of Health Services, Government of Goa

## Annexure 51

Number of beneficiaries under Mediclaim scheme and amount spent during the last 5 years

Year	Number of beneficiaries	Relaxation cases	Amount spent (Rs. in crore)
2007-08	1895	143	12.14
2008-09	1399	239	17.39
2009-10	1405	122	16.41
2010-11	1308	153	16.30
2011-12 (till date)	837	96	10.34

Source: Directorate of Health Services, Government of Goa

## Annexure 52

## Pattern of Land Utilization for the year 2010-11

State / District / Taluka	Total reported area according to village papers for land utilization	Forest			Land not available for cultivation	Permanent pastures and other grazing land	Land under misc. tree crops & groves not included in the area sown	Cultivable waste land (including fallow land)	Fallow land		Net area sown	Area sown more than once	Total cropped area
		Govt.	Private	Total					Fallow land other than current fallow	Current fallow			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>Goa State</b>	<b>361113</b>	<b>105473</b>	<b>20000</b>	<b>125473</b>	<b>37137</b>	<b>1305</b>	<b>580</b>	<b>52533</b>	<b>0</b>	<b>13065</b>	<b>131020</b>	<b>28896</b>	<b>159916</b>
<b>North Goa</b>	<b>167436</b>	<b>29396</b>	<b>5646</b>	<b>35042</b>	<b>20519</b>	<b>629</b>	<b>570</b>	<b>22912</b>	<b>0</b>	<b>8918</b>	<b>78846</b>	<b>18406</b>	<b>97252</b>
Tiswadi	16611	178	--	178	3394	--	143	950	'''	577	11369	1488	12857
Bardez	26480	--	10	10	6100	--	29	1003	'''	3538	15800	5224	21024
Pernem	24200	1319	450	1769	2188	--	--	5336	'''	826	14081	5478	19559
Bicholim	23633	716	380	1096	4200	153	45	4690	'''	1276	12173	2552	14725
Sattari	51284	24252	4606	28858	2238	233	4	4457	'''	1546	13948	794	14742
Ponda	25228	2931	200	3131	2399	243	349	6476	'''	1155	11475	2870	14345
<b>South Goa District</b>	<b>193677</b>	<b>76077</b>	<b>14354</b>	<b>90431</b>	<b>16618</b>	<b>676</b>	<b>10</b>	<b>29621</b>	<b>0</b>	<b>4147</b>	<b>52174</b>	<b>10490</b>	<b>62664</b>
Sanguem	88660	50070	6410	56480	4540	99	10	12649	'''	979	13903	2389	16292
Canacona	34736	14328	5721	20049	1383	--	--	3224	'''	309	9771	1087	10858
Quepem	34731	11679	2218	13897	756	577	--	8957	'''	1134	9410	2427	11837
Salcette	27719	--	5	5	5261	--	--	4030	'''	1588	16835	3375	20210
Mormugao	7831	--	--	--	4678	--	--	761	'''	137	2255	1212	3467

Source: Directorate of Agriculture, Government of Goa

## Annexure 53

## State wise estimated Birth rate, Death rate, Natural growth rate and Infant mortality rate - 2009

India / States / Union Territories	Birth rate			Death rate			Natural growth rate			Infant mortality rate		
	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
<b>India</b>	<b>22.5</b>	<b>24.1</b>	<b>18.3</b>	<b>7.3</b>	<b>7.8</b>	<b>5.8</b>	<b>15.2</b>	<b>16.3</b>	<b>12.5</b>	<b>50</b>	<b>55</b>	<b>34</b>
<b>Bigger states</b>												
Andhra Pradesh	18.3	18.8	17.0	7.6	8.5	5.5	10.6	10.3	11.5	49	54	35
Assam	23.6	24.9	15.9	8.4	8.8	5.9	15.2	16.1	10.1	61	64	37
Bihar	28.5	29.3	22.2	7.0	7.2	5.8	21.5	22.1	16.5	52	53	40
Chhattisgarh	25.7	27.2	19.0	8.1	8.5	6.4	17.6	18.8	12.6	54	55	47
Delhi	18.1	19.9	17.8	4.4	4.8	4.3	13.8	15.0	13.5	33	40	31
Gujarat	22.3	23.8	19.9	6.9	7.7	5.6	15.4	16.1	14.3	48	55	33
Haryana	22.7	23.8	20.1	6.6	7.1	5.7	16.0	16.7	14.5	51	54	41
Jammu & Kashmir	18.6	19.9	13.7	5.7	6.0	4.7	12.8	13.9	9.0	45	48	34
Jharkhand	25.6	27.1	19.2	7.0	7.4	5.3	18.6	19.7	13.9	44	46	30
Karnataka	19.5	20.6	17.6	7.2	8.3	5.3	12.3	12.3	12.3	41	47	31
Kerala	14.7	14.6	14.9	6.8	6.8	6.5	7.9	7.8	8.3	12	12	11
Madhya Pradesh	27.7	29.7	20.8	8.5	9.2	6.1	19.2	20.5	14.8	67	72	45
Maharashtra	17.6	18.1	16.9	6.7	7.6	5.5	10.9	10.6	11.4	31	37	22
Orrissa	21.0	21.9	15.7	8.8	9.2	6.8	12.2	12.7	8.9	65	68	46
Punjab	17.0	17.7	15.8	7.0	7.8	5.8	9.9	9.9	10.1	38	42	31
Rajasthan	27.2	28.4	23.2	6.6	6.7	6.1	20.6	21.7	17.1	59	65	35
Tamil Nadu	16.3	16.5	16.0	7.6	8.5	6.6	8.6	8.0	9.4	28	30	26
Uttar Pradesh	28.7	29.7	24.7	8.2	8.6	6.5	20.5	21.1	18.3	63	66	47
West Bengal	17.2	19.1	12.1	6.2	6.1	6.4	11.0	13.0	5.7	33	34	27

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## State wise estimated Birth rate, Death rate, Natural growth rate and Infant mortality rate, 2009

India / States / Union Territories	Birth rate			Death rate			Natural growth rate			Infant mortality rate		
	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
<b>Smaller states</b>												
Arunachal Pradesh	21.1	22.6	14.9	6.1	7.0	2.5	15.0	15.6	12.4	32	35	14
Goa	13.5	13.0	13.9	6.7	8.2	5.8	6.8	4.8	8.1	11	11	10
Himachal Pradesh	17.2	17.8	11.7	7.2	7.4	4.9	10.0	10.4	6.8	45	46	28
Manipur	15.4	15.4	15.5	4.7	4.6	5.0	10.7	10.8	10.5	16	18	11
Meghalaya	24.4	26.4	15.0	8.1	8.6	5.7	16.3	17.9	9.4	59	61	40
Mizoram	17.6	21.7	13.2	4.5	5.0	4.1	13.0	16.7	9.2	36	45	19
Nagaland	17.2	17.4	16.3	3.6	3.7	3.1	13.6	13.7	13.2	26	27	23
Sikkim	18.1	18.4	16.0	5.7	6.0	3.9	12.3	12.4	12.1	34	36	21
Tripura	14.8	15.5	11.6	5.1	5.0	5.5	9.7	10.5	6.1	31	33	20
Uttarkhand	19.7	20.6	16.3	6.5	6.9	5.2	13.2	13.7	11.0	41	44	27
<b>Union Territories</b>												
Andaman & Nicobar	16.3	16.5	16.1	4.1	4.4	3.6	12.2	12.0	12.5	27	31	20
Chandigarh	15.9	22.1	15.3	3.9	3.9	3.9	12.0	18.2	11.4	25	25	25
Dadar & Nagar Haveli	27.0	26.5	28.8	4.8	5.2	3.7	22.1	21.3	25.2	37	41	24
Daman & Diu	19.2	19.6	18.6	5.1	5.5	4.4	14.2	14.1	14.2	24	21	30
Lakshadweep	15.0	15.5	14.6	5.8	5.4	6.3	9.2	10.1	8.3	25	22	28
Puducherry	16.5	17.1	16.2	7.0	7.4	6.8	9.5	9.7	9.4	22	28	19

Note: Infant mortality rates for smaller states and union Territories are based on three years period 2007-09

Source: SRS Bulletin, Office of the Registrar General of India, Ministry of Home Affairs, Government of India

## Annexure 54

## State wise Distribution of Deposits and Credit of Scheduled Commercial Banks in India 2009 and 2010

Region / State / Union Territory	As on March 31 <sup>st</sup>									
	Population per office		Per Capita Deposit (in Rs.)		Deposit per office (in Rs. Lakh)		Per Capita Credit (in Rs.)		Credit per Office (in Rs. Lakh)	
	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<b>Northern Region</b>	<b>11352</b>	<b>10824</b>	<b>58256</b>	<b>64472</b>	<b>6613</b>	<b>6979</b>	<b>39925</b>	<b>48081</b>	<b>4532</b>	<b>5204</b>
Chandigarh	5106	5067	214780	232149	10967	11762	245089	305680	12515	15488
Delhi	8133	7751	296582	316197	24121	24507	203260	237524	16531	18410
Haryana	11478	10597	35453	43796	4069	4641	21798	27605	2502	2925
Himachal Pradesh	7035	6728	35435	40514	2493	2726	13660	16772	961	1128
Jammu & Kashmir	11939	11744	25718	29593	3071	3475	11904	13874	1421	1629
Punjab	8377	7910	44612	48806	3737	3860	29231	34705	2449	2745
Rajasthan	16825	16320	14001	16033	2356	2617	11223	14144	1888	2308
<b>North Eastern Region</b>	<b>20193</b>	<b>19557</b>	<b>14816</b>	<b>18256</b>	<b>2992</b>	<b>3570</b>	<b>5304</b>	<b>6284</b>	<b>1071</b>	<b>1229</b>
Arunachal Pradesh	15740	15338	30380	36202	4782	5553	7541	9095	1187	1395
Assam	21778	21054	13224	16411	2880	3455	5070	6065	1104	1277
Manipur	29913	29889	9896	11413	2960	3411	3828	4630	1145	1384
Meghalaya	12800	12457	24051	30158	3079	3757	6648	7538	851	939
Mizoram	10548	10237	17798	24703	1877	2529	10449	11742	1102	1202
Nagaland	26470	25261	15808	19091	4184	4823	4848	5695	1283	1439
Tripura	16660	16099	18103	21385	3016	3443	5394	6234	899	1004
<b>Eastern Region</b>	<b>19093</b>	<b>18448</b>	<b>17495</b>	<b>20623</b>	<b>3340</b>	<b>3804</b>	<b>8554</b>	<b>10372</b>	<b>1633</b>	<b>1913</b>
Andaman & Nicobar Island	12568	12973	29978	33625	3768	4362	9656	12104	1214	1570
Bihar	24837	23924	9119	10525	2265	2518	2486	3011	617	720
Jharkhand	17943	17206	18135	20885	3254	3593	5811	7194	1043	1238
Orissa	14991	14333	17645	20661	2645	2961	8958	10983	1343	1574

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## State wise Distribution of Deposits and Credit of Scheduled Commercial Banks in India 2009 and 2010

Region / State / Union Territory	As on March 31 <sup>st</sup>									
	Population per office		Per Capita Deposit (in Rs.)		Deposit per office (Rs. in Lakh)		Per Capita Credit (in Rs.)		Credit per Office (Rs. in Lakh)	
	2009	2010	2009	2010	2009	2010	2009	2010	2009	2010
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Sikkim	8423	8176	42090	51851	3545	4239	17826	19256	1501	1574
West Bengal	17487	17052	26030	31206	4552	5321	15821	19138	2767	3263
<b>Central Region</b>	<b>18831</b>	<b>17985</b>	<b>15154</b>	<b>17379</b>	<b>2854</b>	<b>3125</b>	<b>6794</b>	<b>8119</b>	<b>1279</b>	<b>1460</b>
Chhattisgarh	19849	18478	16711	20234	3317	3739	8906	10673	1768	1972
Madhya Pradesh	17918	17191	14446	16796	2588	2887	8292	10043	1486	1727
Uttar Pradesh	20194	19357	13644	15957	2755	3089	5738	6793	1159	1315
Uttarakhand	8924	8333	46771	43260	4174	3605	11987	14620	1070	1218
<b>Western Region</b>	<b>13963</b>	<b>13241</b>	<b>72028</b>	<b>85793</b>	<b>10057</b>	<b>11360</b>	<b>61333</b>	<b>66705</b>	<b>8564</b>	<b>8833</b>
Dadar & Nagar Haveli	13250	12481	24245	28724	3213	3585	5031	17151	667	2141
Daman & Diu	13778	13632	51653	56332	7117	7679	9758	11158	1344	1521
Goa	4148	4100	144471	172095	5992	7057	38326	43956	1590	1802
Gujarat	13410	12737	32717	37174	4387	4735	20664	24268	2771	3091
Maharashtra	14816	14016	91727	110183	13591	15443	83281	89575	12339	12555
<b>Southern Region</b>	<b>10986</b>	<b>10409</b>	<b>35437</b>	<b>40068</b>	<b>3893</b>	<b>4171</b>	<b>31329</b>	<b>36961</b>	<b>3442</b>	<b>3847</b>
Andhra Pradesh	12910	12083	26143	29711	3375	3590	25509	31238	3293	3774
Karnataka	10179	9720	44122	49598	4491	4821	33812	38154	3442	3708
Kerala	8482	8119	39683	43890	3366	3563	23959	27912	2032	2266
Lakshadweep	6818	6818	64000	57067	4364	3891	3467	4267	236	291
Puducherry	10385	9859	43189	46356	4485	4570	22415	26386	2328	2601
Tamil Nadu	11396	10784	37105	42580	4229	4592	40405	47964	4605	5172
<b>All India</b>	<b>14683</b>	<b>14009</b>	<b>33919</b>	<b>39107</b>	<b>4980</b>	<b>5479</b>	<b>24617</b>	<b>28431</b>	<b>3615</b>	<b>3983</b>

Note: Population per office, per capita deposits and per capita credit figures are worked out on the basis of population figures as on March 1, 2009 & 2010 supplied by the office of the Registrar General, Government of India.

Source: Quarterly Statistics on Deposits and Credit of Scheduled Commercial Banks, March 2009 & 2010, RBI.

**Annexure 55**  
**Taluka-wise Growth of Small Scale Industrial Units in Goa as on March 2011**

Sr.No.	Type of Industry	Tiswadi	Bardez	Pernem	Bicholim	Sattari	Ponda	Sanguem	Canacona	Quepem	Salcete	Mormugao	Total for Goa State
1	Manufacture of Food Products	175	218	63	123	71	184	37	48	61	248	86	1314
2	Manufacture of Beverages Tobacco & Tobacco Products	67	68	12	28	7	86	11	17	19	127	37	479
3	Manufacture of Jute hump and mesta textiles	1	3	0	0	0	6	0	0	1	1	3	15
4	Manufacture of textile products (including wearing apparel other than footwear)	56	52	8	10	3	26	2	2	11	44	17	231
5	Manufacture of Wood and wood products, furniture and fixtures	85	117	16	19	8	83	10	16	21	116	34	525
6	Manufacture of paper and paper products and printing publishing and allied industries	142	109	9	20	3	107	4	10	28	146	58	636
7	Manufacture of leather and leather fur products except repairs	4	9	1	5	0	7	1	0	1	2	4	34
8	Manufacture of Rubber, Plastics, Petroleum and Coal products	73	99	10	40	7	131	6	6	33	149	54	608
9	Manufacture of Chemical products(except products of Petroleum and coal)	62	93	10	24	4	105	5	9	14	98	32	456
10	Manufacture of non metallic mineral products	54	52	16	21	18	73	15	8	33	161	29	480

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## Taluka-wise Growth of Small Scale Industrial Units in Goa as on March 2011

Sr.No.	Type of Industry	Tiswadi	Bardez	Pernem	Bicholim	Sattari	Ponda	Sanguem	Canacona	Quepem	Salcete	Mormugao	Total for Goa State
11	Basic Metal and alloy industries	27	54	6	13	7	34	4	3	9	53	11	221
12	Manufacture of Metal products and parts (except machinery and transport equipment)	106	205	20	41	23	186	12	19	46	205	93	956
13	Manufacture of Machinery Tools and parts(except electrical machinery)	11	20	0	3	3	19	2	3	3	15	13	92
14	Manufacture of electrical machinery apparatus appliances and suppliers parts	97	112	10	13	4	74	5	7	14	98	45	479
15	Manufacture of Transport equipments and parts	10	12	1	9	1	12	1	2	5	14	51	118
16	Other Manufacturing Industries	45	70	11	19	7	62	5	3	6	56	22	306
17	Repairs Service	74	78	4	50	13	68	14	6	29	103	49	488
	<b>Total</b>	<b>1089</b>	<b>1371</b>	<b>197</b>	<b>438</b>	<b>179</b>	<b>1263</b>	<b>134</b>	<b>159</b>	<b>334</b>	<b>1636</b>	<b>638</b>	<b>7438</b>

Source: Directorate of Industries, Trade and Commerce, Government of Goa

## Annexure 56

## Number of Entrepreneur who have filed Entrepreneur Memorandum Part II

Year	Units				Employment				Investment in P and M (Rs. in lakh)			
	Micro	Small	Medium	Total	Micro	Small	Medium	Total	Micro	Small	Medium	Total
2007-08	44	13	0	57	498	394	0	892	217.38	1065.18	0.00	1282.56
2008-09	54	20	2	76	590	707	78	1375	300.78	2355.35	686.00	3342.13
2009-10	74	35	3	112	577	1617	128	2322	530.30	4164.25	2225.25	6919.80
2010-11	62	25	1	88	437	1127	39	1603	436.89	3317.56	765.00	4519.45
April 2011 to Nov 2011	47	20	0	67	356	1140	0	1496	403.31	3363.72	0.00	3767.03
Total	290	116	6	412	2609	5066	245	7920	1949.13	14866.73	3676.25	20492.11

Source: Directorate of Industries, Trade and Commerce



## Annexure 57

## Year wise and disease wise Claims settled under Mediclaim Scheme

Year	Disease wise Mediclaim Status												
	Heart	Cancer	Neuro	Uro -logy	Gastro	Kid -ney	Ophthal -mic	Ortho -paedic	Dialysis	Others	Respiratory Syndrome	Coehlear Implant	Cerebral Palsy
2006-07	814	85	6	331	100	2	29	9	-	99	-	-	-
2007-08	925	107	3	430	97	2	44	6	149	132	-	-	-
2008-09	900	120	4	27	135	4	38	6	113	52	-	-	-
2009-10	925	173	-	-	144	1	37	2	65	58	-	-	-
2010-11	802	157	11	-	151	2	28	-	104	41	12	-	-
2011-12 (till Nov.)	558	93	11	-	91	-	33	3	58	15	12	2	1

Source: Directorate of Health Services, Government of Goa