INTRODUCTION

Coastal systems are very fragile ecosystems which include ecologically sensitive features like mangroves, sand dunes and spawning ground of marine life, corals, wetland, marsh, swamp, bays, estuaries, creeks, bunds and backwater that are influenced by tidal action.

Mangroves and coral reefs act as a buffer zone against wave and tidal force for stabilizing and safe guarding the coast. Sand dunes are a sign of ecological equilibrium between powerful physical forces of the ocean and act as first line of defense to prevent monsoon storm, waves and cyclonic surges.

Rapidly increasing human population and industrial development along the coast have resulted in the degradation of coastal ecosystems. Expressing her serious concern Smt. Indira Gandhi, former Prime Minister has in a letter in 1981, to the Chief Ministers of all the coastal states directed that the beaches, because of their esthetic and environment value, have to be kept clear of all activities upto 500 meters from the highest water line.

Subsequently, Ministry of Environment and Forest, Government of India enacted the Costal Regulation Zone (CRZ) notification issued under Environment Protection Act of 1986, which was notified through Gazette in 1991. Through this act, the coastal stretches of seas, bays, estuaries, creeks, rivers and back waters which are influenced by tidal action (in the landward side) upto 500 meters from the High Tide Line (HTL) and the land between Low Tide Line (LTL) and the HTL are declared as coastal regulation zone and imposed restrictions on setting up and expansion of Industries, operations or processes etc in the said Coastal Regulation Zone (CRZ). For the purposes of the notification the High Tide Line

means the line on the land upto which the highest waterline reaches during the spring tide. The notification also stipulates that High Tide Line shall be

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demarcated uniformly in all parts of the Country by the demarcating authority or authorities so authorized by the Central Government in accordance with the general guide lines issued in this regards.

In the case of rivers, creeks and backwaters, the distance from HTL shall apply to either sides upto 100m or width of the river, creek or backwater, whichever is less. The point upto which the development is to be regulated along the rivers, creeks and backwaters shall be governed by the distance upto which the tidal effect of sea is experienced by them.

1.2 CLASSIFICATION OF COASTAL REGULATION ZONE AND DEVELOPMENT REGULATION:

For regulating development activities, the coastal stretches within 500 meters of HTL on the landward side are classified into four categories namely:

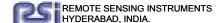
Category - I (CRZ - I):

Areas that are ecologically sensitive and important, such as national parks / marine parks, sanctuaries, reserve forests, wildlife habitats, mangroves, corals / coral reefs, areas close to breeding and spawning grounds of fish and other marine life, areas of outstanding natural beauty / historically heritage areas, areas rich in genetic diversity, areas likely to be inundated due to rise in sea level consequent upon global warming and such other areas as may be declared by the Central Government or the concerned authorities at the State / Union Territory level from time to time.

Area between Low Tide Line (LTL) and the High Tide Line (HTL).

Category – II (CRZ – II):

The areas that have already been developed upto or close to the shoreline. For this purpose, "developed area" is referred to as that area within the municipal limits or in other legally designated urban areas which is already substantially



built up and which has been provided with drainage and approach roads and other infrastructural facilities, such as water supply and sewerage mains.

Category – III (CRZ – III):

Areas that are relatively undisturbed and those which do not belong to either Category – I or II. These will include coastal zone in the rural areas (developed and undeveloped) and also areas within Municipal limits or in other legally designated urban areas which are not substantially built up.

Category – IV (CRZ – IV):

Coastal stretches in the Andaman & Nicobar, Lakshadweep and small islands, except those designated as CRZ – I, CRZ – II or CRZ – III.

Norms for Regulation of Activities:

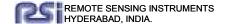
Development or construction activities in different categories of CRZ area shall be regulated by the concerned authorities at the State / Union Territory level, in accordance with the following norms.

CRZ - I:

No new construction shall be permitted in CRZ-I except

- (a) projects relating to Department of Atomic Energy and
- (b) Pipelines, conveying systems including transmission lines and
- (c) Facilities that are essential for activities permissible under CRZ-I.

Between the LTL and the HTL, activities as specified under paragraph (xii) may be permitted. In addition, between LTL and HTL in areas which are not ecologically sensitive and important, the following may be permitted: a) Exploration and extraction of Oil and Natural Gas b) Activities as specified under proviso of sub-paragraph (ii) of paragraph 2 and (c) construction of dispensaries, schools, public rain shelters, community toilets, bridges, roads, jetties, water supply, drainage, sewerage which are required for traditional inhabitants of the



Sunderbans Bio-sphere reserve area, West Bengal, on a case to case basis, by the West Bengal State Coastal Zone Management Authority.

CRZ - II:

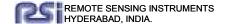
i) Buildings shall be permitted only on the landward side of the existing road (or roads approved in the Coastal Zone Management Plan of the area) or on the landward side of existing authorized structures. Buildings permitted on the landward side of the existing and proposed roads / existing authorized structures shall be subject to the existing local Town and Country Planning Regulations including the existing norms of Floor Space Index / Floor Area Ratio:

Provided that no permission for construction of buildings shall be given on landward side of any new roads (except roads approved in the Coastal Zone Management Plan) which are constructed on the seaward side of an existing road.

- ii) Reconstruction of the authorized buildings to be permitted subject to the existing FSI / FAR norms and without change in the existing use.
- iii) The design and construction of buildings shall be consistent with the surrounding landscape and local architectural style.

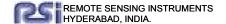
CRZ - III:

i) The area upto 200metres from the High Tide Line (HTL) is to be earmarked as 'No Development Zone'. No construction shall be permitted within this zone except for repairs of existing authorized structures not exceeding existing FSI, existing plinth area and existing density, and for permissible activities under the notification including facilities essential for such activities. An authority designated by the State Government / Union Territory Administration may permit construction of facilities for water supply, drainage and sewerage for requirements of local inhabitants. However, the following uses may be



- permissible in this zone agriculture, horticulture, gardens, pastures, parks, play fields, forestry and salt manufacture from sea water.
- ii) Development of vacant plots between 200 and 500 meters of High Tide Line in designated areas of CRZ-III with prior approval of Ministry of Environment and Forests (MEF) permitted for construction of hotels / beach resorts for temporary occupation of tourists / visitors subject to the conditions as stipulated in the guidelines at Annexure II.
- iii) Construction / reconstruction of dwelling units between 200 and 500 meters of the High Tide Line (HTL) permitted so long it is within the ambit of traditional rights and customary uses such as existing fishing villages and gaothans. Building permission for such construction / reconstruction will be subject to the conditions that the total number of dwelling units shall not be more than twice the number of existing units; total covered area on all floors shall not exceed 33 percent of the plot size; the overall height of construction shall not exceed 9 meters and construction shall not be more than 2 floors ground floor plus one Construction is allowed for permissible activities under the floor. notification including facilities essential for such activities. An authority designated by State Government / Union Territory Administration may permit construction of public rains shelters, community toilets, water supply, drainage, sewerage, roads and bridges. The said authority may also permit construction of schools and dispensaries, for local inhabitants of the area, for those panchayats the major part of which falls within CRZ if no other area is available for construction of such facilities.
- iv) Reconstruction / alterations of an existing authorized building permitted subject to (i) to (iii) above9.

1.3 COASTAL ECOSYSTEM OF GOA:

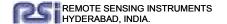


The coastal zone of Goa is characterized by sandy stretches and an intricate network of water bodies across lowlands. The sea front is marked by a combination of beaches, rocky shores and headlands. Out of 105km long coast, more than 70km comprise linear and wide sandy beaches all backed by 1 to 10 meters high dunes; sandy pockets and secluded coves backed by rocky cliff are also found (Mascarenhas). The coastal plain, 20 to 35km in width, consists of lowlands traversed by seven major and four minor river systems that experience tides. Small islands, shoals and mangrove swamps are observed within water bodies.

In accordance with Coastal Regulation Zone (CRZ) act 1991 stipulations, Goa State Committee for Coastal Environment (GSCCE) was assigned the job of preparation of Coastal Zone Management plans classifying coastal stretches as CRZs. The plans prepared were approved by the MOEF in September 1996, after incorporating the information on delineation of eco-sensitive areas along the coastal stretches of Goa generated by National Institute of Oceanography (NIO). This is the prevailing law, that governs development activities along the coasts, rivers and back waters of Goa. It was amended twice in January and July, 1997 respectively.

Sand dune ecosystems are ecologically sensitive and geomorphologically fragile systems. They are vulnerable to stress and acts as nature's first line of defense against oceanic forces. Sand dunes were not mentioned in the notification. They were included in CRZ-I after the NIO have requested the MOEF for the same.

Goa Coast Line remained pristine till early 1970's. Human pressure on the coastal ecosystem started in the 1970s when tourism became a major source of revenue. This resulted in 80% of the urban growth being located along the coastal taluks. There has been a proliferation of hotels, resorts, residential flats, dwellings, small restaurants, beach side bars, roads and beach shacks along the



coast. This has resulted in dense population, deterioration of the quality of life, loss of biodiversity and adverse effects on beaches, dunes mangroves, water bodies and 'Khazan lands' – (reclaimed lowlands).

The main purpose CRZ notification was to control and minimize environmental damage to coastal ecosystem. The Goa State Committee for coastal environment was empowered to enforce the provision of the notification. Despite this, blatant violation of CRZ provision through anthropogenic activities have resulted in severe negative impacts on coastal ecosystem like rapid elimination of sand dunes, damage to dune vegetation, increasing mobility of sand, transport of sand islands, instability of dunes, denudation of hill slopes, deposition of sediments into estuaries, progressive built up of plastic litter, reduction in mangroves, wetlands and breeding grounds of marine life, localized shore line erosion and seasonal salt water ingress.

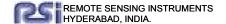
Courts have intervened in coastal matters following complaints and petitions from citizens and NGO's. Timely judicial intervention has, to some extent, preserved the sanctity of the coastal zones.

1.4 BACKGROUND FOR THE PROJECT:

The Hon'ble High Court of Bombay at Goa, vide judgment in Writ Petition nos... 422/98 & 99/99 has issued directions to the Government of Goa through its Chief Secretary, respondent no. 3 and Chief Town Planner, Town & Country Planning Department (TCP), Government of Goa, respondent no. 4 to comply with the following directions as regards to the Coastal Regulation Zone-III is concerned in the State of Goa.

The synopses of the said judgment are:

 To conduct survey and inquiry as regards the number of dwelling units and all other structures and constructions which were existing in the CRZ-



- III zone in Goa, village or town wise as on 19th February 1991 and increase in number thereof thereafter, year wise
- To identify on the basis of permissions granted for construction of the dwelling unit, which are in excess of double the units with regard to those, which existed on 19th February 1991.
- To identify all types of structures and constructions made in CRZ III zone except the dwelling units, after 19th February, 1991 in the locality comprised of the dwelling units and to take action against the same for their demolition in accordance with the provisions of the law.
- To identify the open plots in CRZ III zone which are available for construction of hotels and to frame appropriate policy / regulation for utilization thereof before they are being allowed to be utilized for such construction activities.
- Till and until the survey and inquiry is completed as directed above no new license for any type of construction in CRZ III zone shall be issued or granted and no new structure of whatsoever nature shall be allowed to be constructed in CRZ-III zone except repairs and renovation of the existing houses which shall be subject to the appropriate order on completion and result of the survey and inquiry to be held as directed above and this should be specifically stated in the licenses to be granted for the purpose of repairs and / or renovation of existing houses.
- The survey and inquiry should be conducted as expeditiously as possible and should be concluded preferably within a period of six months and in any case by 30th May, 2007 and report in that regard should be placed before the court in the first week after the summer vacation of 2007, for necessary further order, if any.
- All the records relating to the survey and the inquiry should be made available to the public and in that regard a website should be opened and the entire material should be displayed on the website (respondent no. 3)

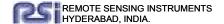
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In order to comply with the High Court directive, the Goa Coastal Zone Management Authority (GCZMA) desired to outsource the work to qualified Consultants / Agency.

GCZMA has accordingly circulated the Terms of Reference (ToR) and Request for Proposal (RFP) indicating the Scope of Work to firms who expressed interest in doing the work and asked for tender proposals.

After technical evaluation of the tender proposals by a high level committee headed by the Chief Secretary, M/s Remote Sensing Instruments (RSI), Hyderabad was selected for the job and a Letter of Intent (LoI) was issued to them to undertake "turn key" job, using appropriate methodology, latest technology approach and credible data for generating a spatial and non-spatial database for the CRZ area, for the entire coastal stretch in the first phase. In addition, in the second phase, the database shall also be developed for the rivers, creeks and backwaters (governed by the distance upto which the tidal affect of sea is experienced) in the State of Goa, as the case may be and as recorded in the Goa Coastal Zone Management Plan issued by the MoEF vide no. J-17011/12/92-1A-III dated: 27th September, 1996.

The components of the spatial and non-spatial database should be synergized and integrated in a user-friendly GIS environment, with capability of updation. Further more, the database shall be efficient so that the user can obtain information at a click on a button through a quick, efficient and accurate retrieval system, developed and customized for the purpose. The data sought shall be at different levels such as, State, District and Taluk. Revenue village (ward/vaddo), Municipal (Block-Towns) areas and the following information is required to be provided.



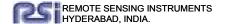
- Number of structures, type of structures / dwelling units (defined as a family residential house) existing as on 19th February, 1991.
- Survey numbers of each structure / dwelling unit in no development zone and CRZ areas as on the date of survey of the coast and the rivers / estuaries.
- Number of dwelling units in a given survey number
- Number of structures other than dwelling units as on 19/02/1991
- Number of increase in structures / dwelling units year wise, after 19/02/1991, till 13/10/2006
- Nature of the structures / dwelling units, resorts, commercial establishments, religious places, etc, with detailed survey numbers with the use of the structures
- Areas, which are ecologically sensitive such as mangroves, corals / coral reefs, sand dunes, sanctuaries, areas of breeding grounds of marine life etc.

1.5 SCOPE OF WORK:

- Generating a spatial and non-spatial database for the CRZ-III area for the entire coastal stretch in the first phase and for the rivers, creeks and backwaters in the second phase using appropriate methodology, latest technology approach and credible data.
- 2. Integration of spatial and non-spatial databases in a user friendly GIS environment with capability of updation and accurate retrieval system at State, District, Taluk, Revenue village (ward / vaddo), Municipal (Block Towns) levels through customized software
- 3. Provision of the following information:
 - a) Number of structures, type of structures / dwelling units (defined as a family residential house) existing as on 19th February, 1991.

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- b) Survey numbers of each structure / dwelling unit in no development zone and CRZ areas as on the date of survey of the coast and the rivers / estuaries.
- c) Number of dwelling units in a given survey number
- d) Number of structures other than dwelling units as on 19/02/1991.
- e) Number of increase in structures / dwelling units year wise after 19/02/1991, till 13/10/2006
- f) Nature of the structures / dwelling units, resorts, commercial establishments, religious places, etc with detailed survey numbers with the use of the structures. Areas, which are ecologically sensitive such as mangroves, corals / coral reefs, sand dunes, sanctuaries, areas of breeding grounds of marine life etc.
- 4. Mapping and quantification of the temporal variations / changes in dwelling units / structures from 1991 and calendar year there after upto 13/10/2006.
- 5. Collection of following attribute information for dwelling units / structure
 - Year of construction
 - License for repairs and renovation if old structure (1991)
 - Plot size
 - Area of structure (Plinth area and appropriate floor area)
 - Nature of structure: House, bungalow, row houses (single, double floor etc.) & Commercial complex, religious, school, industry, etc
 - Owner of the dwelling unit / plot / structure
 - House number and tax receipts paid
 - Details of permissions / approvals granted by Village Panchayat
 / Municipal authorities & Town and Country Planning / PDA's
 - Documents related to issue of Sanads and Change of land use / zone



- Appropriateness of the structure in relation to the purpose and use / activity approved.
- ➤ Details of approvals issued for construction / renovation / repairs subsequent to the issue of directives by the Hon'ble High Count
- ➤ Details of approvals confirming to the development controls viz the zoning regulations and the building by-laws as per the approving authority / plan: eg outline development plan, regional plan, CZM plan or any other plan in force in the said area
- Miscellaneous
- > Existence of compound wall and type of wall
- > Open / bore / tube well existence

1.6 DELIVERABLES:

A comprehensive digital GIS database on 1:1000 / 1:500 or detailed expression scale maps, linked to attribute information in respect of every unit / structure mapped / recorded.

- ➤ Digital map containing the CRZ III line including the High Tide Line, 200m and 500m corridors
- ➤ The digital map of NDZ along the bank of the rivers / estuaries, creek and backwaters governed by the distance up to which the tidal affect of sea is experienced
- Digital map containing all base map features including transport networks (road / rail), man made built up structures, drainage and water bodies and different administrative boundaries eg. State, District, Taluka, Revenue village, Municipality etc natural / watershed boundaries
- Digital map of dwelling units / structures and other constructions mapped indicating the building use, corresponding to the year of construction / approval, from 1991 and calendar year thereof.

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- Digital map of dwelling units / structures and other constructions mapped, indicating the building use corresponding to whether approved, unauthorized or documents not available
- Digital information map of open plots / spaces
- Data analysis of maps derived from the GIS database
- Digital Geo-referenced cadastral map containing village and parcel boundaries
- Geo-referenced satellite remote sensing data / any other data used in mapping with the CRZ vectors superimposed
- The hosted web page shall be accessible to general public. However classified information (as directed by the State Government) shall not be hosted
- ➤ The database should preferably be compatible with the existing hard ware, including drivers available with the GoG (as available with DSLR / TCP)

Geo-referenced temporal satellite data with CRZ vectors superimposed will be generated as outputs.

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CHAPTER - 2 METHODOLOGY

The scope of the project envisages identification of structures / dwelling units that existed prior to enactment of CRZ act in 1991 and the structures and dwelling units that came up subsequently, calendar year wise upto October, 2006 when the Goa Bench of Bombay High Court delivered its judgement.

Gleaning through the village records, one can get information about the structures and their year of construction, provided the constructions were made with the approvals from competent authorities like town and country planning authority, GCZMA and respective village Panchayats. Following the boom in tourism industry, many structures have come up in the CRZ even without necessary approvals.

Under the circumstances the only way to identify all the structures / dwelling units that existed on a particular date is by interpretation of aerial photographs and satellite imagery of high spatial resolution of different years if available.

2.1 AVAILABILITY OF DATA:

In the year 1991, satellite data available around the World was generally of coarse spatial resolution (10m and above). Fortunately 2m resolution data of the project area collected in March, 1991 through Russian satellite was available. The date of data acquisition almost coincides with the date of enactment of CRZ act in February, 1991.

Aerial photographic coverage of the project area is available for 1993 in the form of 1:40000 scale photos.

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Indian Remote Sensing Satellite IC had a LISS IV sensor which collected data with 5.8m resolution. Coverage for the entire project area was available for the years 1998, 1999 and 2002 only.

Digital Globe's QuickBird satellite data of (62cm spatial resolution) covering the project area is available for the year 2003-04.

Though IKONOS (1 m. resolution) satellite was launched in 2000, data covering entire project area is available only for 2005.

CARTOSAT-1 stereo data of 2.5m resolution is available for the year 2006, for the entire project area.

Thus for the period 1991 to 2006 satellite / air photos data availability of the project area is as follows.

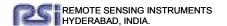
1991 -	Russian Satellite Data	- 2m. Resolution panchromatic
1993 -	Aerial Photos	- 1:40000 scale (black & white)
1998 -	IRS ID LISS IV	- 5.8m. Panchromatic
1999 -	IRS ID LISS IV	- 5.8m. Panchromatic
2002 -	IRS ID LISS IV	- 5.8m. Panchromatic
2003 – 2004 -	QuickBird	- 0.62m. Multi-spectral
2005 -	IKONOS	- 1.0m. Multi-spectral
2006 -	CARTOSAT-1	- 2.5m. Stereo panchromatic

Details of satellite imagery and aerial photographs used in the first and second phases are given in Table-1

REMOTE SENSING INSTRUMENTS HYDERABAD, INDIA.

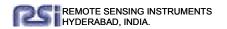
Table – 1: DETAILS OF SATELLITE IMAGERY AND AERIAL PHOTOGRAPHS
USED FOR THE FIRST AND SECOND PHASES OF THE PROJECT
FIRST PHASE

Satellite	Scen	e Details		e/Year of uisition of Data	Resolution/scale
RUSSIAN Satellite	p133499x	io Botano		23/03/1991	2m
RUSSIAN Satellite	p133500x			23/03/1991	2m
RUSSIAN Satellite	p133501x			23/03/1991	2m
RUSSIAN Satellite	p133502x			23/03/1991	2m
ARIAL Photographs	1580-A-04		(1:40000 scale
ARIAL Photographs	1580-A-05				1:40000 scale
ARIAL Photographs	1580-A-06				1:40000 scale
ARIAL Photographs	1580-A-07	Covering SOI toposheet			1:40000 scale
ARIAL Photographs	1580-A-08	nos. 48 E/10, E/14,			1:40000 scale
ARIAL Photographs	1580-A-09	E/15, E/16, 48 I/4 &	l <i>1</i>	93 - 1994 season	1:40000 scale
ARIAL Photographs	1580-A-10	48 J/1			1:40000 scale
ARIAL Photographs	1580-A-11				1:40000 scale
ARIAL Photographs	1580-A-12				1:40000 scale
ARIAL Photographs	1580-A-13				1:40000 scale
ARIAL Photographs	1580-A-14				1:40000 scale
ARIAL Photographs	1580-A-15		(1:40000 scale
IRS Data_IC data	Path 95, Rov	v 62		26/2/98	5.8m
IRS Data_IC data	Path 96, Rov	v 63		13/2/98	5.8m
IRS Data_IC data	Path 95, Rov	v 64		11/2/99	5.8m
IRS Data_IC data	Path 96, Rov	v 65		16/11/99	5.8m
IRS Data_IC data	Path 95, Rov	v 66		15/2/02	5.8m
IRS Data_IC data	Path 96, Rov	v 67		15/3/02	5.8m



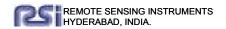
CONSULTANCY SERVICES AND TO CONDUCT SURVEY AND INQUIRY OF CRZ AREAS IN GOA

Satellite	Scene Details	Date/Year of Acquisition of Data	Resolution/scale
QUICKBIRD-2	p001	7/11/03	0.62m
QUICKBIRD-2	p003_r1c1_r1c2	7/11/03	0.62m
QUICKBIRD-2	p005_r3c1_r3c2	18/12/03	0.62m
QUICKBIRD-2	po10_r3c1c2_r4c1c2	13/12/03	0.62m
QUICKBIRD-2	po15_r3c1c2_r4c1c2	10/2/03	0.62m
QUICKBIRD-2	p006_r2c1_r3c1_r4c1_r5c1	14/11/04	0.62m
QUICKBIRD-2	p007_r2c1_r2c2	17/11/17	0.62m
IKONOS-2	po_243884_rgb_0000000	13/5/05	1m
IKONOS-2	po_243884_rgb_0000001	13/5/05	1m
IKONOS-2	po_243884_rgb_0010000	16/5/05	1m
IKONOS-2	po_243884_rgb_0020000	24/5/05	1m
IKONOS-2	po_243884_rgb_0030000	22/10/05	1m
IKONOS-2	po_243884_rgb_0030001	22/10/05	1m
IKONOS-2	po_243884_rgb_0040000	22/10/05	1m
IKONOS-2	po_243884_rgb_0050000	22/10/05	1m
IKONOS-2	po_243884_rgb_0050001	22/10/05	1m
IKONOS-2	po_243885_rgb_0000000	13/5/05	1m
IKONOS-2	po_243885_rgb_0010000	22/10/05	1m
IKONOS-2	po_243885_rgb_0020000	22/10/05	1m
IKONOS-2	po_243886_rgb_0000000	13/5/05	1m
CARTOSAT-1 Band A,Band F	522-323-BANDA.TIF,522- 323-BANDF	21/3/06	2.5m
CARTOSAT-1 Band A,Band F	523-324-BANDA.TIF,523- 324-BANDF	23/3/07	2.5m
CARTOSAT-1 Band	524-325-BANDA.TIF,524-		2.5m
A,Band F CARTOSAT-1 Band	325-BANDF 524-326-BANDA.TIF,524-	27/2/06	
A,Band F CARTOSAT-1 Band	326-BANDF 525-326-BANDA.TIF,525-	27/2/06	2.5m
A,Band F	326-BANDF	16/2/06	2.5m



SECOND PHASE

Satellite	Scene Details	Date/Year of Acquisition of Data	Resolution/scale
RUSSIAN Satellite	p133499x	23/03/1991	2m
RUSSIAN Satellite	p133500x	23/03/1991	2m
RUSSIAN Satellite	p133501x	23/03/1991	2m
RUSSIAN Satellite	p133502x	23/03/1991	2m
QUICKBIRD-2	005723408010_01_P001	21/1/08	0.62m
QUICKBIRD-2	005723408010_01_P002	18/12/03	0.62m
QUICKBIRD-2	005723408010_01_P003	28/11/07	0.62m
QUICKBIRD-2	005723408020_01_P001	28/11/07	0.62m
QUICKBIRD-2	005723408020_01_P002	23/1/06	0.62m
QUICKBIRD-2	005723408020_01_P003	21/1/08	0.62m
QUICKBIRD-2	005723408030_01_P001	18/12/02	0.62m
QUICKBIRD-2	005723408030_01_P002	28/10/07	0.62m
QUICKBIRD-2	005723408030_01_P003	10/11/07	0.62m
QUICKBIRD-2	005723408030_01_P004	28/11/07	0.62m
QUICKBIRD-2	005723408030_01_P005	11/12/07	0.62m
QUICKBIRD-2	005723408040_01_P001	18/12/02	0.62m
QUICKBIRD-2	005723408040_01_P002	14/11/04	0.62m
QUICKBIRD-2	005723408040_01_P003	28/11/07	0.62m
QUICKBIRD-2	005723408040_01_P004	11/12/07	0.62m
QUICKBIRD-2	005723408050_01_P001	15/2/06	0.62m
QUICKBIRD-2	005723408050_01_P002	10/2/03	0.62m



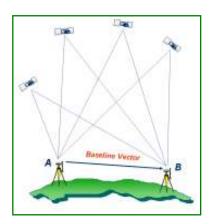
2.2 DIFFERENTIAL GPS SURVEY:

DGPS survey provides locational information of the control points with required accuracies. These control points will be used to rectify the satellite images.

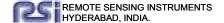
2.2.1 GPS Survey:

The NAVSTAR (Navigation Satellite with Timing and Ranging) GPS satellite constellation is designed to facilitate a system which is capable of satisfying the positioning, navigation and timing. This is accomplished by a constellation of 28 satellites orbiting the Earth. Each satellite transmits a pseudo-random noise (PRN) code message which is modulated on to a carrier (messenger) signal. A user receives these signals and uses them to measure the distance, or range, to at least four satellites simultaneously. The measurements to the four satellites are processed to derive the three position components of the receiver, and the synchronization offset between the satellite and receiver clocks. The satellite signals are designed to enable this calculation to be performed almost instantaneously. The GPS measurements are made in two modes- stand alone and differential. Differential GPS technique provides precise and accurate positional information required for the geodetic surveys.

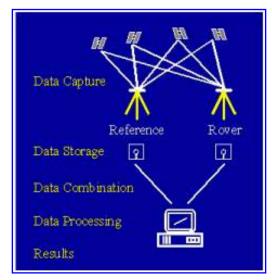
Differential GPS (DGPS) is a relative navigation/ position technique that removes the effects of selective availability (SA) and other GPS errors. By setting up a GPS reference station at a known 'benchmark' and collecting GPS readings from all available satellites; it is possible to compare the GPS location with the established location of the benchmark. The difference between the GPS



location and the benchmark location is the difference (or 'differential') from the true location. This difference in position can then be used to correct the positions derived from other GPS receivers using similar satellites at the same time as the GPS reference station.



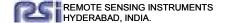
Data collected by DGPS mode has to be processed in the laboratory with suitable software for baseline estimation and network adjustment. For this method of differential GPS, both the Base and Remote GPS receivers log measurements into internal memory, computer, or data logger. Both the base and remote GPS data are transferred to the post-processing software on return to



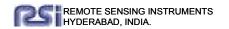
the office. The corrections at the base station are then automatically applied to the field data (remote station) in order to arrive at an accurate position. DGPS post processing approach will be adopted during execution of this project. The primary and secondary network establishment is carried out with geodetic quality GPS receivers and industry standard software will be used. Different observable combinations and multiple passes through the data enable the most reliable coordinate values to be determined based on the acquired data set.

2.2.2 Control Requirements for GPS Surveys:

The survey teams occupy a number of control points as the coordinates derived from GPS occupations are to be integrated into an existing coordinate framework. This is no different from a terrestrial survey where a point with known coordinates is occupied and a reference direction sighted. Alternatively, two points with known coordinates will be occupied, enabling a rotation, scale factor and east and north translations to be determined. In a level survey, an existing bench mark is occupied to enable the measured staff readings to yield heights of points above a known reference datum i.e. Mean Sea Level. Control points and benchmarks can be located using the descriptions provided by Survey of India.



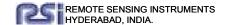
Specifications	Technical strategy
Accuracy	Geodetic quality GPS receivers will be employed for
	establishing the primary network using DGPS survey
	methods and post processing criteria. Static surveying
	techniques are proven for achieving the most accurate
	results.
Obstructions	GPS station selection criteria ensures clear sky view for
	observation and ground plane antennae to mitigate
	multipath effects
Length of	GPS survey accuracy degrades as the separation between
Baselines	the receivers increases. This is due to spatial correlation of
	errors at both sites not being as high as if the receivers are
	adjacent to each other. This fact is reflected by the parts per
	million components of most accuracy specifications. In
	addition, the time required to successfully resolve the integer
	ambiguities generally increase as the baseline length
	increases. For static surveys, the occupation time is
	generally quite long in order to ensure ambiguity resolution,
	as well as, to average random measurement and multipath
	effects.
Occupation Time	For a static survey, the occupation time per point surveyed
	is selected to provide sufficient measurements to enable the
	integer ambiguities to be resolved. The occupation time
	required for static surveying is a function of a number of
	elements including the baseline length, number of satellites,
	satellite geometry, atmospheric conditions and multipath
	conditions. In general, using modern technology surveying
	receivers, 30-40 minutes of dual frequency measurements
	are usually sufficient to resolve the ambiguities over



	baseline lengths of less than ten kilometers.
Recording Rate	The recording rate represents the rate at which satellite
	measurements are stored. For static surveys, there is little
	advantage in storing measurements at a high rate. Typically,
	a recording rate of 10 or 15 seconds is used for static
	occupation periods of twenty minutes or more. For longer
	sessions which may involve several hours of measurement,
	rates of 30 seconds or even one minute are suitable. For
	static surveying, it is important to assess the amount of work
	to be performed and weigh the amount of data against the
	available volume of storage space.
Measurement	GPS surveys will be designed to contain sufficient
Redundancy	measurement redundancy to enable gross errors to be
	detected.
Satellite	Surveying with satellites is the same with regards to the
Geometry	spacing of the satellites as a terrestrial resection is with
	regards to the control points. Satellites which are well
	spaced will tend to provide better results than constellations
	which are poorly spaced. Surveys are planned to log the
	GPS data with DOP is less than 6 which is a industry
	standard.

2.2.3 Static Surveying:

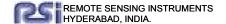
The static observation procedure is the most commonly used GPS observation technique due to its reliability and ease of data collection. The results generated from static observations are the most robust of the GPS positioning solutions due to the increased length in observation period. All control surveys over reference/rover separations of several kilometers are performed using static surveying techniques. The static procedure requires satellite measurements to be acquired simultaneously at multiple sites by stationary receivers. Static surveys are performed by setting receivers on stable platforms, usually a tripod



or survey pillar, and leaving them to record measurements at predetermined intervals for a period of time. Observations are usually collected at a rate of one epoch every 15 or 30 seconds. The rate of collection is not of prime importance in static work and measurements should be acquired at rates which are related to the amount of available data storage space. More importantly, data needs to be collected for a sufficient time period to enable the integer cycle ambiguities to be determined. In addition, the effects of multipath and random measurement error can be reduced by observing for longer periods. The time required to achieve a suitable accuracy is a function of the number of visible satellites, baseline length, multipath conditions, atmospheric conditions and satellite geometry.

To make full use of the acquired measurements, static surveys data will be post-processed. If post-processing reveals that results are unsatisfactory, the baseline will need to be observed again. It is; therefore, wise to use caution when estimating observation periods as an additional five or ten minutes per point may be sufficient to prevent further observation and same strategy is implemented in project planning.

Multiple receivers will be used simultaneously to increase efficiency in the production. Many receiver manufacturers sell receivers in groups of three for this reason. Each receiver remains stationary at the same time to enable three points to be occupied. Each observation period is termed a *session*. Once each session is completed, the receivers move and begin acquiring measurements simultaneously at three other stations. For each three receiver session, three baselines can be generated. Technically, only two of the baselines are independent as the third uses measurements already used by the other two lines. All the baselines are processed and adjusted using a least squares estimation procedure. The statistical output for each baseline will reflect the correlated nature of the third baseline. This use of sessions with multiple receivers enables surveys to be formed to generate networks of baselines. The greater the number of receivers, greater is the productivity in the project. Hence



such approach would be adopted during primary and secondary network establishment using DGPS surveys.

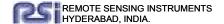
The following are GPS field survey procedures/parameters that will be performed at each occupied point during GPS survey to ensure proper data logging and documentation.

- Receiver and Antenna set up.
- Height of instrument measurements
- Field GPS observation recording procedures.
- Field processing and verification.
- Session designations.
- GPS Station Log forms
- Data Downloading and Quality Control

2.2.4 Primary Control using DGPS:

Primary control network will be established in the whole area. After getting the co-ordinates of main reference point by any one source, A series of braced quadrilateral will be established by making main control points at a distance of 50 km each. The observation will be made by DGPS on each point, for about 4 hours to 5 hours, depending upon the availability of satellites and the GDOP. The processing of data will be done within the fixed parameters and the error will be adjusted within the braced quadrilateral. The next braced quadrilateral will be connected to previous braced quadrilateral and adjusted co-ordinates will be accepted for further processing. After covering the whole area the last control point will be connected to the original point to make a closed loop and to find out the error and accuracy. The expected accuracy will be above 1:100,000.

2.2.5 Secondary Control using DGPS:



The network of secondary control points within the limit of braced quadrilateral will be controlled by DGPS. The network will be controlled by using DGPS by traverse method using Leap and Frog method. The control points will be established at distance of 5km a part. This secondary control will start from one main control point of braced quadrilateral and will close on another main control point of same braced quadrilateral. One more point will be provided near the secondary control point for making a back station for further work by Electronic Total Station. The expected accuracy will be better than 1:100,000.

2.2.6 Height Control:

A network of high accuracy leveling BMS will be established throughout the area. All primary, secondary control points will be connected by double precise leveling with Sol GTS BMs. The leveling work will be carried out by latest technology by using digital level and a pair of Bar-coating staves. Earlier Sol was using level instrument N3 and a pair of Invar staves for precise - leveling, but now they have also changed the old method and adopted new technology by using digital level and bar-coating staves. The leveling data will be downloaded, processed and adjusted in software to get the better accuracy of the network.

2.3 DGPS SURVEY IN THE PROJECT AREA:

For the DGPS survey in the project area first base station was fixed at Saligao within the Science and Technology Department premises. Rover was fixed at each of the proposed control point. The selection of control points on the ground was made by first identifying and marking them on enlarged QuickBird image chips. These chips are carried to field to precisely locate the point. The coordinates of the control points are obtained in UTM projection with WGS84 reference spheroid. For height measurements the control points are connected to GT station near Vasco – railway station through leveling.

A total of 49 control points were collected through DGPS survey (Table-2).

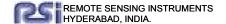


Plate - 1: DGPS SURVEY IN THE PROJECT AREA



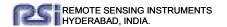
DGPS CONTROL POINT NEAR VERNA RAILWAY STATION



DGPS CONTROL POINT INDIAN OIL OFFICE, VASCO

Table-2:GROUND CONTROL POINTS OBTAINED THROUGH DGPS SURVEY

		T	I HROUGH DGPS SURVEY
S.No	Point Id	Latitude	Longitude
1	G1	15 32 42.548189 N	73 45 24.072700 E
2	G2	15 29 54.196711 N	73 46 21.534132 E
3	G3	15 31 52.644221 N	73 49 29.376303 E
4	G4	15 30 3.591863 N	73 51 45.715190 E
5	G5	15 28 21.141452 N	73 48 30.164739 E
6	G6	15 28 0.765083 N	73 51 47.505585 E
7	G7	15 33 28.782546 N	73 46 33.738312 E
8	G8	15 34 53.008898 N	73 44 22.043836 E
9	G9	15 37 59.899493 N	73 46 29.157047 E
10	G10	15 38 9.947442 N	73 43 36.113667 E
11	G11	15 39 53.674813 N	73 43 24.596555 E
12	G12	15 42 0.365416 N	73 43 2.469330 E
13	G13	15 38 59.622583 N	73 45 52.720841 E
14	G14	15 36 19.584355 N	73 45 13.558025 E
15	G14.	15 36 19.600106 N	73 45 13.560462 E
16	G15	15 22 10.088758 N	73 50 8.010637 E
17	G16	15 20 7.264047 N	73 53 39.509416 E
18	G17	15 16 43.817299 N	73 56 2.479549 E
19	G18	15 14 12.386264 N	73 55 44.212501 E
20	G19	15 21 13.726732 N	73 54 46.230064 E
21	G20-	15 24 30.587189 N	73 47 18.225300 E
22	G21-	15 23 49.155360 N	73 54 34.636490 E
23	G22-	15 26 34.601151 N	73 55 6.349872 E
24	G23-	15 27 18.612473 N	73 48 11.805685 E
25	G24-	15 27 43.949595 N	73 50 46.682389 E
26	G25-	15 25 36.956219 N	73 53 42.699185 E
27	G26	15 23 11.767561 N	73 56 42.766036 E
28	G27	15 23 51.624801 N	73 50 44.778238 E
29	G28	15 23 57.899947 N	73 53 5.255379 E
30	G29	15 18 40.302085 N	73 54 10.957771 E
31	G30	15 11 4.796998 N	73 56 23.045450 E
32	G31	15 8 49.586610 N	73 57 2.988076 E
33	G32	15 23 38.909336 N	73 50 25.397449 E
34	G33	15 23 8.008915 N	73 53 22.820010 E
35	G34	15 20 36.171387 N	73 53 55.139117 E
36	G35	15 3 15.692749 N	73 58 57.388707 E
37	G36	15 11 35.631256 N	73 58 53.989874 E
38	G37	15 42 38.369886 N	73 41 50.763298 E
39	G38	15 7 18.525343 N	73 58 5.261820 E
40	G39	15 7 28.503490 N	73 57 48.259482 E
41	G40	15 5 21.861031 N	73 55 17.414473 E
42	G41	15 1 54.167216 N	74 1 59.494622 E
43	G42	14 59 33.102290 N	74 2 32.971678 E
44	G43	14 56 43.045157 N	74 4 19.656864 E
45	G44	14 55 20.050472 N	74 4 33.441004 E
46	G45	14 56 13.939716 N	74 2 55.412211 E
47	S3B	15 8 51.391507 N	73 57 28.285061 E
48	ST1	15 32 2.982059 N	73 47 31.887644 E
49	ST2	15 18 40.242701 N	73 54 9.230230 E



2.4 PROCESSING OF SATELLITE DATA:

CARTOSAT- 1 satellite stereo model of the project area is oriented by using the RPC (Rational Polynomial Coefficients) file supplied along with the data by NRSA. Using the control points collected during DGPS survey and identifying them on the stereo model, the CARTOSAT 1 data is ortho-rectified.

QuickBird satellite data of 2003 – 2004 has been rectified taking ortho-rectified CARTOSAT image as reference and identifying common control points on both the images.

Russian satellite data of 1991, IRS IC satellite data of 1998, 1999 and 2002 and IKONOS data of 2005 have all been rectified with reference to ortho-rectified CARTOSAT satellite data and identifying common control points. Precise identification of the control points was not possible on IRS IC LISS IV data because of poor spatial resolution and on the Russian satellite data because of poor quality of image.

Leica Photogrammetric Suite (LPS) software was used for ortho-rectification of CARTOSAT-! Stereo satellite data and ERDAS Imagine image processing software was used for rectifying other satellite data.

2.5 PROCESSING OF AERIAL PHOTOS:

The study area was covered by aerial photography in 1993 on 1:40000 scale. The film diapositives were scanned at 15 microns resolution using high resolution scanner by Survey of India (SoI) and the scanned data was supplied on request to the Department of Science and Technology, Government of Goa.

In the absence of precise details of camera used for the photography like focal length, fiducial points, the scanned data was processed for interior orientation by using the specifications of different commercially available aerial cameras by trial and error and selecting the appropriate camera details. Auto tie points were

REMOTE SENSING INSTRUMENTS HYDERABAD, INDIA.

generated between the photographs in the forward direction as well as laterally. The ground control points taken through DGPS survey were added for precise aerial triangulation (RMS error < 1 pixel). Features (structures and dwelling units) have been extracted from the stereo model. An auto DEM has been generated to get orthophoto coverage.

2.6 PROCUREMENT AND PROCESSING OF CADASTRAL MAPS:

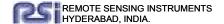
Cadastral maps of the entire State of Goa are available with the Directorate of Land Records and Settlement (DSLR), Government of Goa. The maps are based on surveys carried out in early 1970s. They have all been digitized and the soft copies are archived in DSLR.

The cadastral maps are not geo-referenced, in the sense that they are not anchored to geographic co-ordinates.

Soft copy data of the cadastral maps of all the villages covered in CRZ-III were procured from DSLR. Cadastral maps of each village are covered in a number of plane table (PT) sheets, each sheet covering an area of 600m x 400m. The village cadastral maps contain information on village boundary, numbers and extent of PT sheets, survey numbers and sub-division numbers. They also include structures / dwelling units as they existed at the time of survey (early 1970s). In urban areas like Vasco and Panaji with dense details, the size of the PT sheets was reduced to 300m x 200m.

2.7 HIGH TIDE LINE (HTL):

Information on the High Tide Line (HTL) and 200m from HTL was provided by the DSLR along with the cadastral maps for most part of the Goa Coast Line. In the areas covered by promontories near Vasco and further south, the HTL line was not provided. So it has been marked approximately on the satellite image for these areas along with 200m buffer line towards land from HTL. Using ArcGIS software, 500m line from HTL towards land was marked through buffering.



The cadastral map data collected from DLSR is in VMM (Vision Map Maker) format, a proprietary format. Import facility to common formats was not available in the software package procured by RSI. As such the data had to be converted to shape files of ArcGIS software, through a routine developed for the purpose.

Using rectified satellite imagery as reference, the village cadastral maps have been geo-referenced by identifying common control points to the extent possible.

2.8 PREPARATION OF INFORMATION LAYERS FOR DIFFERENT CALENDER YEARS:

2.8.1 Interpretation of QuickBird Satellite Data of 2003 – 2004:

Rectified QuickBird satellite data of 2003 – 2004 was used for interpretation in the first instance in view of its very high spatial resolution (0.62m). Individual structures and dwelling units have been clearly identified and delineated based on their diagnostic image characteristics like colour and shape (Plate-2). This layer has been used as reference for interpretation of all other satellite data.

2.8.2 linterpretation of CARTOSAT- 1 Stereo Satellite Data of 2006:

The ortho-rectified CARTOSAT satellite data was used for preparation of interpretation layer of 2006. The spatial resolution of the satellite was 2.5m and the data is available in stereo mode. The structures and dwelling units have been marked; by over laying QuickBird satellite data interpretation of 2003 – 2004 and copying all the structures visible on both the data types and by identifying and delineating all the additional structures from the CARTOSAT satellite data. This interpretation meets the cut off deadline set by the Hon'ble High Court ie 13/10/2006 (Plate-3)

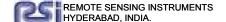


Plate – 2: RECTIFIED QUICKBIRD SATELLITE DATA OF PART OF CONDOLIM VILLAGE

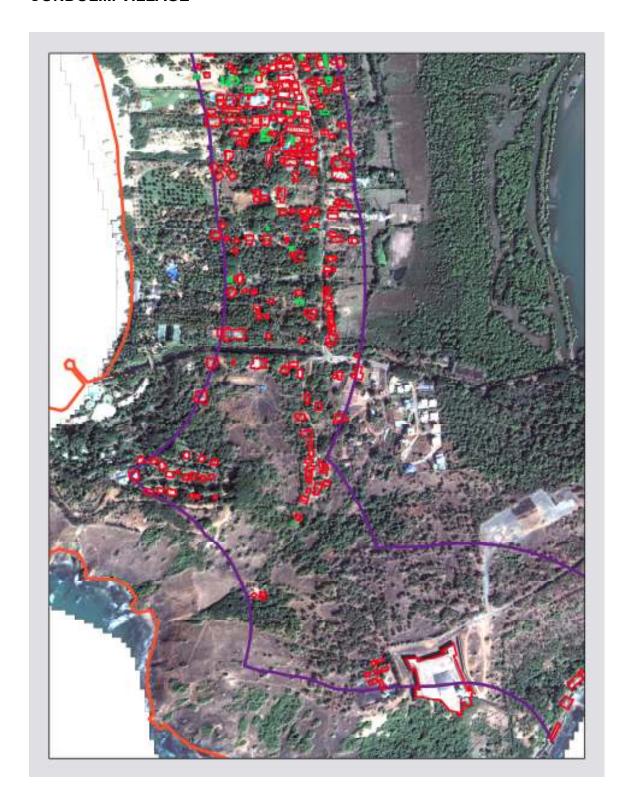
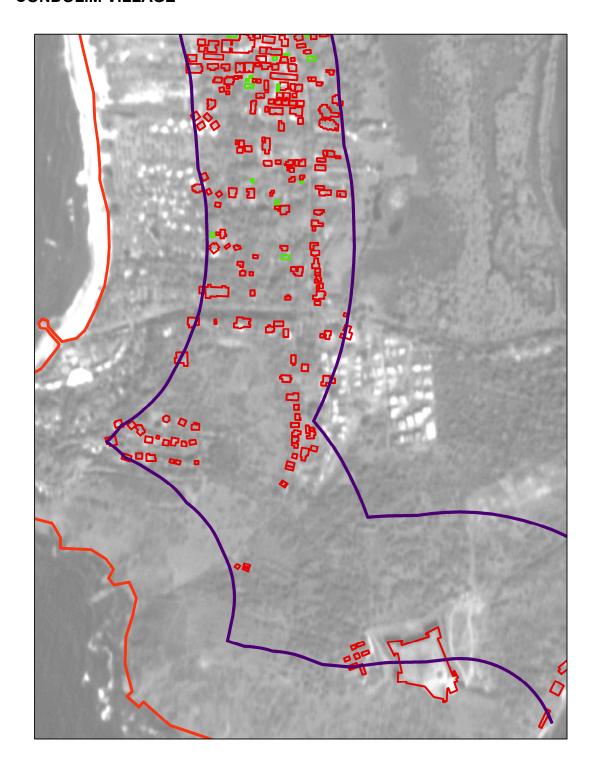
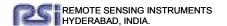


Plate - 3: ORTHORECTIFIED CARTOSAT - 1 DATA OF PART OF CONDOLIM VILLAGE





2.8.3 Interpretation of 1991 Russian Satellite Data:

The Russian satellite data of 1991 is panchromatic data with 2m spatial resolution. The features on images are not sharp. This data was rectified with respect to ortho-rectified CARTOSAT 1 stereo satellite data rectification was not very perfect, due to difficulty in precise identification control points. The interpretability of the imagery was also not very good, because of the poor quality of images.

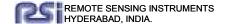
The situation in respect of structures / dwelling houses that existed in 1991 was obtained by overlaying the interpretation QuickBird data of 2003-04, on the 1991 Russain satellite imagery and confirming the existence each of the structures, based on its tone and shape. Very small structures which are under dense vegetation canopy could not be identified, because of lack of tonal contrast. The interpretation of 1991 satellite imagery has been classified into two categories viz structures which are very clearly identified and those which are not clearly identified but are inferred, from their faint image signatures (Plate-4)

The interpretation of Russain satellite data of March 1991 almost meets the requirement the High Court judgement, as the court wanted the situation as it existed prior to notification of CRZ on 19th February, 1991.

2.8.4 Interpretation of Aerial Photographs of 1993:

The aerial photographs of 1993 were on 1:40000 scale. They were scanned at 15 micron resolution using high resolution scanner and soft copy data was used for stereo viewing using photogrammetry software.

Individual structures / dwelling units have been identified and marked by viewing the photos on stereo mode. The structures could be marked by their definite shape. The interpreted data has been used largely to confirm the interpretation of 1991 Russain satellite data. Small structures with dark, sloping tiled roofs and those masked by vegetation cover could not be delineated on aerial photographs because of scale limitation and lack of distinct tonal contrast (Plate-5)







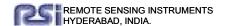
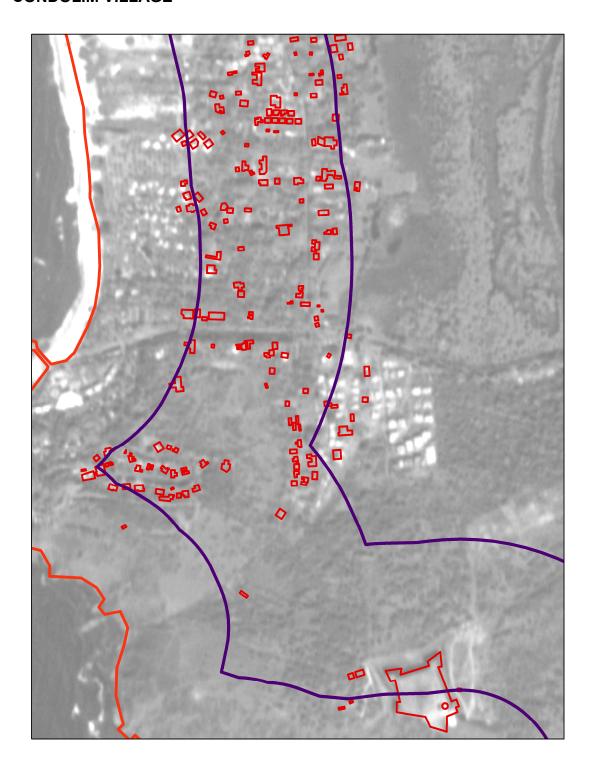
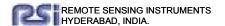


Plate - 5: ORTHORECTIFIED AERIAL PHOTO DATA OF PART OF CONDOLIM VILLAGE





2.8.5 Interpretation of IRS – IC Data of 1998, 1999 and 2002:

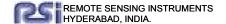
Indian Remote Sensing satellite IRS IC panchromatric data with 5.8m spatial resolution was available for the study area for the years 1998, 1999 and 2002 only. This is the highest resolution data available for the area during this period. The spatial resolution being very coarse only large buildings and structures could be clearly identified and demarcated and smaller buildings could not be precisely identified. The interpretation layers for these 3 years were prepared, by superposing the 2003 – 2004 layer (QuickBird satellite interpretation) over the IRS IC data for each of the 3 years and confirming the existence of the structure by means of its broad shape and tone (Plate-6)

2.8.6 Interpretation of IKONOS Satellite Data of 2005:

The IKONOS satellite data is of 1.0 m. spatial resolution and as such the structures and other dwelling units are clearly discernable. Rectified IKONOS satellite interpretation layer has been prepared, by over lying 2003 – 2004 QuickBird data interpretation layer and copying all the structures which are seen on both QuickBird and IKONOS data and also by identifying and delineating all the additional structures visible on IKONOS data (Plate-7).

Thus interpretation layers showing the structures and dwelling units were prepared for 1991 Russain satellite data, aerial photos of 1993 IRS IC/ID data of 1998, 1999 and 2002, QuickBird satellite data of 2003 – 2004 IKONOS satellite data of 2005 and CARTOSAT 1 satellite data of 2006.

The Hon'ble High Court of Mumbai, Goa Beach its judgement has directed that all the structures that existed prior to enactment of notification in February 1991and the structures and dwelling units that come up subsequently each year till October, 2006, be mapped.



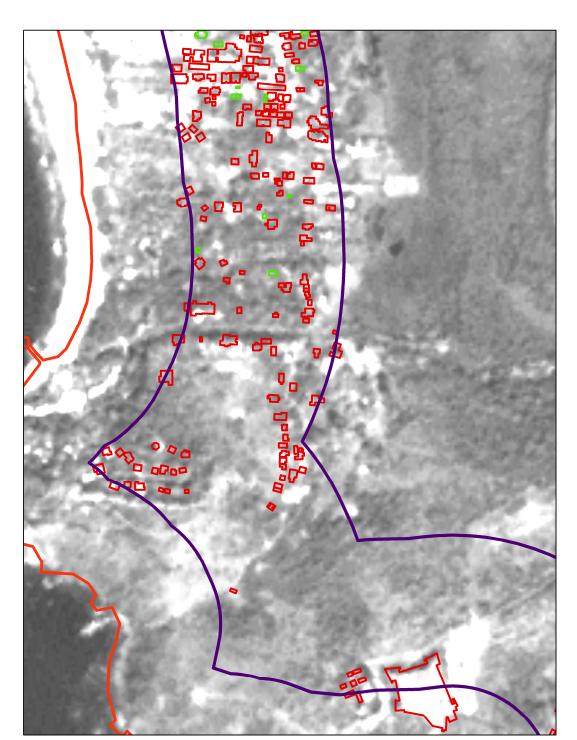


Plate - 6: RECTIFIED IRS 1C DATA OF PART OF CONDOLIM VILLAGE

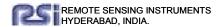
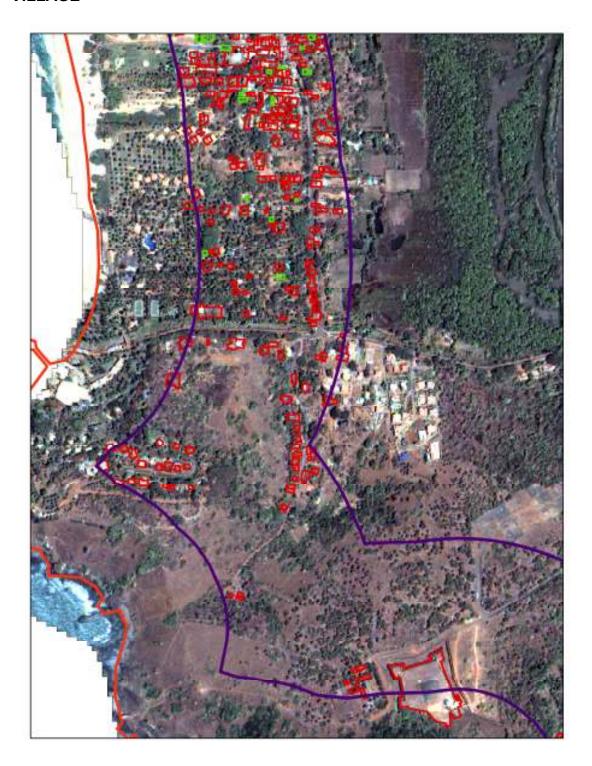
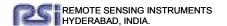


Plate – 7: RECTIFIED IKONOS SATELLITE DATA OF PART OF CONDOLIM VILLAGE





By plotting the structures / dwelling units in CRZ-III on geo-referenced cadastral maps of each of the villages, from the interpreted layers of 1991 (Russian imagery) and 2006 (QuickBird and CARTOSAT) data, the number of structures that existed in 1991 at the time the enactment of notification on 19th February, 1991 and structures that came up post 1991 upto October, 2006, could be found out (Table-3).

By plotting the structures / dwelling units as interpreted in satellite data of different years as well as aerial photographs of 1993, on geo-referenced village cadastral maps, PT sheet wise on 1:1000 scale and village wise on 1:4000 scale the situation as regards the structures / dwelling units in 1991 at the time of enactment of CRZ notification and the increase in number in different years viz 1993, 1998, 1999, 2002, 2003 – 2004, 2005 and 2006 could be deciphered. (Plates-8, 9), (table-4)

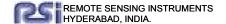
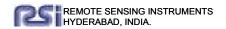


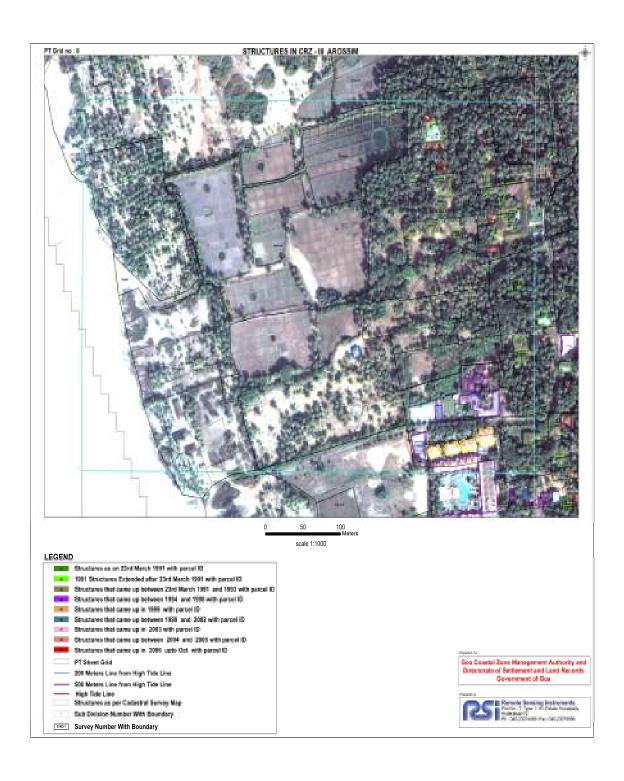
Table – 3:

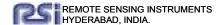
NUMBER OF STRUCTURES IN CRZ-III OF THE VILLAGES ALONG THE GOA COAST IN 1991 AND IN 2006

		OAST IIV 1991	No Of Structures	No Of Structures	Total Increaseing
S.No	Village	Taluka	In 1991	In 2006 *(1)	Buildings
2	Querim	Pernem	85	145	60
4	Arambol	Pernem	298	628	330
5	Mandrem	Pernem	101	203	102
6	Morjim	Pernem	137	409	272
7	Anjuna	Bardez	356	636	280
8	Calangute	Bardez	826	1511	685
9	Candolim	Bardez	620	1240	620
11	Vasco	Mormugao	1186	1401	215
11	Chicalim	Mormugao	53	126	73
12	Chicolna	Mormugao	14	58	44
13	Issorcim	Mormugao	2	14	12
14	Sancoale	Mormugao	14	14	0
15	Pale	Mormugao	58	78	20
16	Velsao	Mormugao	68	128	60
17	Cansaulim	Mormugao	29	79	50
18	Arossim	Mormugao	21	116	95
19	Utorda	Salcete	7	47	40
20	Majorda	Salcete	5	16	11
21	Gonsua	Salcete	1	10	9
22	Betalbatim	Salcete	0	65	65
23	Colva	Salcete	47	215	168
24	Sernabatim	Salcete	1	3	2
25	Benaulim	Salcete	26	199	173
26	Varca	Salcete	64	250	186
27	Cavelossim	Salcete	182	330	148
29	Quitol	Quepem	0	11	11
30	Naquerim	Quepem	91	132	41
31	Cola	Canacona	165	320	155
32	Agonda	Canacona	233	365	132
33	NagorcemPalolem	Canacona	392	777	385
34	Poingunim	Canacona	92	166	74
35	Loliem	Canacona	77	112	35
	Total		5251	9804	4553



Plates - 8: PT SHEET WISE INTERPRETATIONS OF PART OF AROSSAM VILLAGE





Plates - 9: VILLAGE LEVEL INTERPRETATIONS OF AROSSIM VILLAGE

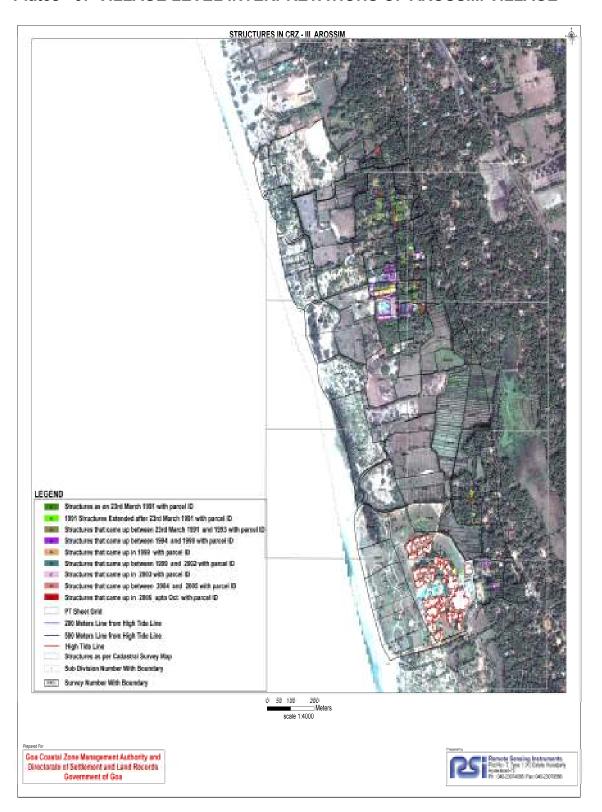
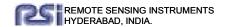


Table - 4:

NUMBER OF STRUCTURES IN CRZ-III OF THE VILLAGES ALONG THE GOA COAST IN DIFFERENT YEARS

S.No	Village	Taluka	No Of Structure s In 1991	No Of Structur es In 1993	No Of Structur es In 1998	No Of Struct ures In 1999	No Of Structures In 2002	No Of Structures In 2003	No Of Structures In 2005	No Of Structures In 2006
1	Querim	Pernem	85	89	105	106	111	131	134	145
2	Arambol	Pernem	298	313	373	392	395	552	558	628
3	Mandrem	Pernem	101	110	151	153	154	178	178	203
4	Morjim	Pernem	137	154	230	249	250	312	335	409
5	Anjuna	Bardez	356	386	438	471	475	592	621	636
6	Calangute	Bardez	826	902	1077	1106	1114	1405	1454	1511
7	Candolim	Bardez	620	661	863	896	900	1148	1199	1240
8	Vasco	Mormugao	1186	1186	1258	1260	1260	1272	1292	1401
9	Chicalim	Mormugao	53	54	72	90	90	106	106	126
10	Chicolna	Mormugao	14	17	25	51	51	56	56	58
11	Issorcim	Mormugao	2	2	7	7	7	7	7	14
12	Sancoale	Mormugao	14	14	14	14	14	14	14	14
13	Pale	Mormugao	58	59	69	70	70	71	73	78
14	Velsao	Mormugao	68	68	95	95	95	115	125	128
15	Cansaulim	Mormugao	29	36	72	72	72	78	79	79
16	Arossim	Mormugao	21	24	46	52	52	114	115	116
17	Utorda	Salcete	7	10	17	18	18	44	46	47
18	Majorda	Salcete	5	5	5	5	5	10	10	16
19	Gonsua	Salcete	1	1	1	1	1	4	8	10
20	Betalbatim	Salcete		10	45	56	56	57	57	65
21	Colva	Salcete	47	83	147	150	150	189	201	215
22	Sernabatim	Salcete	1	1	1	1	1	2	2	3
23	Benaulim	Salcete	26	37	159	159	159	187	198	199
24	Varca	Salcete	64	76	167	188	188	219	225	250
25	Cavelossim	Salcete	182	205	314	318	319	322	325	330
26	Quitol	Quepem		5	7	7	7	11	11	11
27	Naquerim	Quepem	91	99	99	108	108	124	129	132
28	Cola	Canacona	165	188	267	275	276	309	311	320
29	Agonda	Canacona	233	242	278	277	278	333	358	365
	NagorcemPa									
30	lolem	Canacona	392	392	484	515	516	676	750	777
31	Poingunim	Canacona	92	95	100	103	126	144	153	166
32	Loliem	Canacona	77	80	87	93	95	102	105	112
	Total		5251	5604	7073	7358	7413	8884	9235	9804



Information on all the structures which were added, subsequent to the acquisition of CARTOSAT - 1 satellite data in 2006, was collected during the field surveys carried out to collect ownership details etc each of the structures. Thus the latest position in respect of structures / dwelling units, within the CRZ-III (ie between 200m and 500m from high tide line on the land side) could be obtained. Each of the structures have been given unique identification number.

The situation in 1991 and the changes in subsequent years were marked on georeferenced PT sheets of each of the villages to get the cadastral information (survey number and sub-division number) of each of structures mapped and the results tabulated village wise and survey number wise. (Annexure-2)

2.9 FIELD SURVEY:

The scope of the project includes collection of attribute information about the individual buildings / structures in CRZ-III, like type, ownership details, permissions for construction from appropriate authorities, number of floors, plot area, details of taxes paid etc. A proforma was designed for the purpose in consultation with the Director, Science and Technology, Government of Goa (Annexure-1)

Field surveys were carried out between May and September, 2007. The field parties took copies of satellite image maps on 1:1000 scale wherein all the structures / dwelling units were marked and identified with unique identification numbers and distributed the proforma to each house marked on the satellite image. QuickBird satellite image of 2003 – 2004 was used for marking the houses and it was updated using Cartosat – 1 data of 2006. Structures that came up after 2006 were marked during field surveys and they were also given identification numbers.

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Filled proforma were collected from the owners of the house two weeks after distributing the forms. Repeated visits were made to many houses either to handover the proforma or to collect the filled in form.

The field parties experienced the following problems during their survey.

- Some of the houses were locked even after repeated visits
- Some of the owners refused to take the proforma
- Many owners did not return the forms inspite of repeated visits
- Some of the owners returned the forms with incomplete information
- Only a small percentage of owners have given the forms fully filled

Table – 5 gives information about the number of forms distributed and the number of forms received with full or partial information, for each village. On the specific instruction of the Director, Panchayat Raj, Government of Goa, many village Panchayat Officers have helped in collecting the filled in proforma.

All the information collected from different villages during the field survey is organized as database (excel – format) which is linked to respective building / structure in the interpretation maps prepared for each village, based on their unique identification numbers.

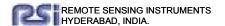
REMOTE SENSING INSTRUMENTS HYDERABAD, INDIA.

Table – 5:

DETAILS OF HOUSE TO HOUSE DISTRIBUTION OF PROFORMA FOR COLLECTING OWNERSHIP AND OTHER INFORMATION

S. No	Taluka	Village	1	2	3	4
1	Pernem	Querim	141	80	0	61
2	Pernem	Arambol	613	454	0	159
3	Pernem	Mandrem	194	92	0	102
4	Pernem	Morjim	392	211	0	181
		•				
5	Bardez	Anjuna	606	164	2	442
6	Bardez	Calangute	1435	245	5	1190
7	Bardez	Candolim	1199	352	9	847
8	Mormugao	Chicalim	125	36	0	89
9	Mormugao	Chicolna	55	8	0	47
10	Mormugao	Issorcim	14	11	0	3
11	Mormugao	Sancoale	14		0	14
12	Mormugao	Pale	77	48	0	29
13	Mormugao	Velsao	128	45	0	83
14	Mormugao	Cansaulim	72	38	3	34
15	Mormugao	Arossim	113	39	2	74
16	Salcete	Utorda	44	13	5	31
17	Salcete	Majorda	16	4	3	12
18	Salcete	Gonsua	10	2	1	8
19	Salcete	Betalbatim	55	3	0	52
20	Salcete	Colva	179	64	2	115
21	Salcete	Sernabatim	3	2	1	1
22	Salcete	Benaulim	188	64	2	124
23	Salcete	Varca	238	56	6	182
24	Salcete	Cavelossim	307	60	0	247
25	Quepem	Quitol	6	1	0	5
26	Quepem	Naquerim	124	103	2	21
27	Canacona	Cola	297	209	0	88
28	Canacona	Agonda	365	307	2	58
29	Canacona	NagorcemPalolem	777	771	5	6
30	Canacona	Poingunim	154	109	0	45
31	Canacona	Loliem	109	33	0	76
		TOTAL	8050	3624	50	4426

- 1. Total number of structures in the village.
- 2. Number of owners who returned the Performa.
- 3. Number of owners who returned the Performa with full details.
- 4. Number of Owners who did not Return the forms This Includes Structures with door lock, number of owners who refused to accept the form.



2.10 PREPARATION OF LAND USE – LAND COVER MAP:

The scope of the project also includes preparation of Land use – Land cover map of the CRZ-III along the Goa coast together with some base details.

Accordingly a detailed (Level – III) land use – land cover map of the area along the Goa Coastal Zone was prepared using rectified QuickBird satellite data because of the high spatial resolution. Base map details like drainage pattern, road network, railway line, settlements, and administrative units like, village, taluk and district boundaries, high tide line, 200m line and 500m line from HTL have also been included in the map.

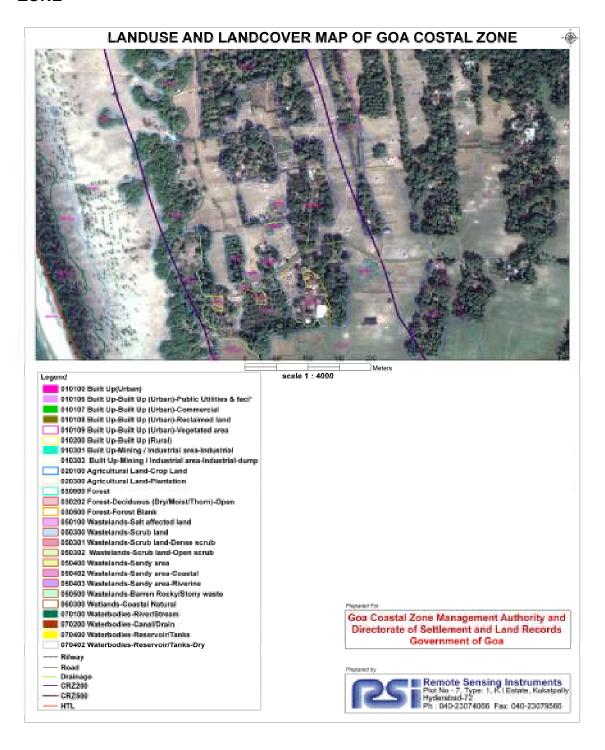
The map was prepared by online interpretation and hardcopy outputs have been generated on 1:4000 scale.

In the built up land class – residential, commercial, industrial and open plots have been delineated. In the agricultural land entire zone has been marked as crop land. Forests, plantations and scrub have been delineated. In the water body class, reservoirs / tanks, canals and rivers have been delineated.

Sandy beaches, sand dunes and mangroves which have been otherwise classified as wastelands in the land use and land cover maps, have been mapped separately in view of their importance from environment point of view (Plate-10)

REMOTE SENSING INSTRUMENTS HYDERABAD, INDIA.

Plate -10: LAND USE AND LAND COVER MAP OF PART OF GOA COASTAL ZONE



CHAPTER - 3 SECOND PHASE WORK

IDENTIFICATION AND DELINEATION OF STRUCTURES / DWELLING UNITS ALONG RIVERS, CREEKS AND ESTUARIES UPTO THE POINT THE TIDAL AFFECT IS EXPERIENCED TOWARDS LAND

3.1 INTRODUCTION:

As per the Goa State Coastal Zone Management Plan as approved and notified by the Government of India (vide no. J-17011/12/92/IA-III dated: 27/09/1996), along the rivers namely Tiracol, Chapora, Mandovi, Zuari, Sal, Talpona and Creeks and back waters in Goa influenced by tidal action, the extent of CRZ will be 100m or width of the river or creek or backwater whichever is less, upto the point the tidal affects are experienced towards land.

Along Tiracol river, tidal influence is felt upto Patradevi. All the areas upto Patradevi within the CRZ having mangroves including mouth of Kerim bay, near Paliem, Densua Konad, Naibag and Torxem are classified as CRZ-I and rest as CRZ-III.

According to NIO, in Chapora river, tidal influence is felt upto Ibrampur in Tillari river whereas in Osalna river it is felt upto Belapur.

All along Chapora river areas with mangroves including areas of river mouth, Siolim, Chopdem, Oxel, Tuembank, Colvale, Reora, Pirna are classified as CRZ-I and other areas classified as CRZ-III.

According to NIO, in the various tributaries of Mandovi river ie in the Madei river tidal influence is upto Gaulem; in Khadepar river upto Odi Karvada; in Sinquerim

REMOTE SENSING INSTRUMENTS HYDERABAD, INDIA.

upto Verem and the three feeders of other tributary, the Mapusa river, tidal influence is upto Mapusa, Tivim and Mulgao.

The areas at mouth of the river having reserved / protected forests, sand dunes of Caranzalem – Miramar and Nerul and all areas along the bank of river Mandovi having mangrove areas including Nerul, Verem, Ourem, Ribandar, Betim to Britona, outskirts of Mapusa, San Pedro, Banastarim, Volvoi and Savoiverem are classified as CRZ-I and rest of the areas, without mangroves and ecologically sensitive areas, are classified as CRZ-III.

According to NIO, among the tributaries of Zuari river namely Sanguem, Kushawati and Siridao tidal influence is felt upto Sanguem, Avedem and Santana respectively.

Dona Paula promontory is classified as CRZ-I. Sao Jacinto island and all mangroves including those at Chicalim, Sancaole, Agassaim, mouth of Cumbarjua canal, Mercurim, upstream of Cortalim shipyard, entire length of Zuari river from Cortalim to Macazana are classified as CRZ-I and rest of the area classified as CRZ-III.

In the feeders of river Sal tidal influence is felt upto Benaulim, Chinchinim and Cuncolim.

Ecologically sensitive areas along rivers Sal and tributaries including dunes at Mobor and mangroves at Assolna, Cavelossim, Orlim, Benaulim, Navelim are classified as CRZ-I and the rest of the area is classified as CRZ-III.

The tidal influence in Talpona is felt upto Bhatpal. Along the banks of Talpona, sand dune areas at the mouth of the river and all the mangroves along the bank are classified as CRZ-I and the rest of the area as CRZ-III.

REMOTE SENSING INSTRUMENTS HYDERABAD, INDIA.

In river Galgibaga, tidal influence is felt upto Velvada. The Galgibaga sand dunes and mangroves areas including Mashem, KR Bridge, Galgibaga, Painguinim are classified as CRZ-I, and the rest of the area is classified as CRZ-III.

3.2 SCOPE OF WORK:

The second phase of the project on "Consultancy Services and Conduct of Survey and Inquiry of CRZ areas in Goa" involves identification of structures / dwelling units in the No Development Zone (NDZ) along the rivers, estuaries and creeks upto the point the tidal effects are experienced. Since the CRZ notification was issued in 1991, this study also involves identification of structures / dwelling units that existed prior to enactment of the notification (ie February, 1991) and those structures / dwelling unit that came up after the enactment of the notification.

3.3 METHODOLOGY:

3.3.1 Procurement and Processing of QuickBird Satellite Data:

QuickBird satellite data (0.62m resolution) of 2008 covering the areas along the rivers Tiracol, Chapora, Mandovi, Zuari, Talpona and Sal, upto the point where the tidal effect is experienced was procured and is rectified with ortho-rectified CARTOSAT – 1 data procured for the first phase. The limits on both sides have been marked for all the rivers and 100m line from these limits on either side were drawn by buffering. Where the width of the rivers is less than 100m, buffering on either side was limited to the width of the river.

To serve as reference at the time of enactment of CRZ notification Russian satellite data (2m resolution) of March, 1991 was used. This data was rectified with respect to rectified QuickBird data.

REMOTE SENSING INSTRUMENTS HYDERABAD, INDIA.

3.3.2 Procurement and Processing of Cadastral Maps:

Cadastral maps of all the villages along these rivers upto the point where the tidal affect is experienced have been procured in soft copy form from the Directorate of Survey and Land Records, Government of Goa.

These maps are based on survey carried out in 1970's and contain information on boundaries and numbers of PT sheets, survey and sub-division numbers as well as the structures that existed at the time of survey(early 1970's)

The cadastral maps are in VMM (Vision Map Maker) format, a proprietary format. They have been changed to shape file format of ArcGIS software through a routine developed for the purpose.

Keeping the rectified QuickBird data as reference, the cadastral maps have been geo-referenced with the help of common control points.

3.3.3 Interpretation of Satellite Imagery:

Rectified QuickBird satellite data was interpreted on line to delineate the structures / dwelling units by their characteristic shapes, between the river and 100m line (or width of the river if it is less than 100m) for all the villages along the rivers.

By superposing the interpreted map on the rectified Russian satellite data, structures / dwelling units that existed in 1991 could be delineated by their characteristic shape and tone.

The structures / dwelling units that existed in 1991 and those that came up later are stored in distinct layers.

By overlaying the satellite interpretation layers of 1991 and post 1991 on georeferenced village maps along each river, the number of structures that came up in the no development zone could be marked village wise (Table – 6).

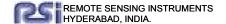
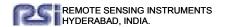
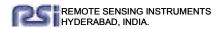


Table – 6:

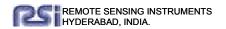
S.No	RIVER	VILLAGE	STRUCTURES EXISTED IN 1991	STRUCTURES WHICH CAME UP AFTER 1991
1	Tiracol River	Amberim	3	6
2	Tiracol River	Cargao	72	16
3	Tiracol River	Pororscodem	7	15
4	Tiracol River	Querim	13	4
5	Tiracol River	Tircol	52	8
6	Tiracol River	TAMBOXEM	0	0
7	Tiracol River	Ugem	0	1
8	Tiracol River	Torxem	1	13
9	Tiracol River	Pernem	77	117
10	Tiracol River	Paliem	17	10
		TOTAL	242	190
		_		
S.No	RIVER	VILLAGE	STRUCTURES EXISTED IN 1991	STRUCTURES WHICH CAME UP AFTER 1991
1	Chapora River	MORJIM	69	19
2	Chapora River	CHOPDEM	18	9
3	Chapora River	AGARWADA	40	15
4	Chapora River	PARCEM	39	30
5	Chapora River	TUEM	5	3
6	Chapora River	DARGALIM	77	28
7	Chapora River	OZORIM	21	28
8	Chapora River	CANSARVOREM	0	6
9	Chapora River	ALORANA	9	4
10	Chapora River	IBRAMPUR	0	0
11	Chapora River	DUMACEM	4	4
12	Chapora River	MENCUREM	0	0
13	Chapora River	PIRNA	29	12
14	Chapora River	NADORA	26	14
15	Chapora River	REVORA	22	4
16	Chapora River	COLVALE	89	39
17	Chapora River	CAMURLIM	90	53
18	Chapora River	OXEL	96	10
19	Chapora River	SIOLIM	94	27
20	Chapora River	ASSAGAO	49	10
21	Chapora River	ANJUNA	100	32
22	Chapora River	SALEM	13	2
		TOTAL	890	349
S.No	River	VILLAGE	STRUCTURES	STRUCTURES WHICH CAME
		_	EXISTED IN 1991	UP AFTER 1991
1	Mandovi River	NARORA BICH	8	25
2	Mandovi River	NARORA	24	13
3	Mandovi River	ALDONA	1	4
4	Mandovi River	ADCOLNA	0	9
5	Mandovi River	AMONE	13	5



5	Zuari River	carambolim	0	0
4	Zuari River	Calapur	37	25
3	Zuari River	Borim	12	5
2	Zuari River	Bandora	17	22
1	Zuari River	Bambolim	38	17
S.No	RIVER	VILLAGE	STRUCTURES EXISTED IN 1991	STRUCTURES WHICH CAME UP AFTER 1991
		TOTAL	1795	786
42	Mandovi River	CADOR	0	1
41	Mandovi River	PANJI	374	106
40	Mandovi River	VANGURDEM	0	1
39	Mandovi River	VALVOI	3	8
38	Mandovi River	USGAO	24	38
37	Mandovi River	TIVERIM	9	8
36	Mandovi River	SURLA	39	11
35	Mandovi River	Salvador-do- mumdo	142	25
34	Mandovi River	SAVOI VEREM	15	16
33	Mandovi River	RESIMAGOS	266	79
32	Mandovi River	POMBURPA	85	8
31	Mandovi River	PILGAO	5	14
30	Mandovi River	PENHADEFRANCA	316	107
29	Mandovi River	PALE	2	22
28	Mandovi River	ORGAO	22	17
27	Mandovi River	OLAUIM	1	0
26	Mandovi River	NIRNCAL	6	21
25	Mandovi River	NERUL	20	25
24	Mandovi River	NAVALIM BICH	5	9
22	Mandovi River Mandovi River	PICANO NAVALIM	0 4	<u> </u>
	Walldovi Kivel	MOROMBI-O-		0
21	Mandovi River	MALAR	5	6
20	Mandovi River	JUA	130	20
18 19	Mandovi River Mandovi River	GANGEM GOLTIM	11	12
17	Mandovi River	GANDALIM	9	7
16	Mandovi River	CANDALIM	24	7
15	Mandovi River	CUMBHARJUA	129	33
14	Mandovi River	COTOBI	2	20
13	Mandovi River	CHORAO	9	28
12	Mandovi River	CHIMBEL	29	15
11	Mandovi River	CAPAO	20	12
10	Mandovi River	CANDPAR	11	6
9	Mandovi River	CANDOLA	6	14
8	Mandovi River	CANDOLIM	22	4
7	Mandovi River	ВОМА	0	0
6	Mandovi River	BETQUL	2	0



		1	1	
6	Zuari River	Chandor	0	0
7	Zuari River	Camurlim	0	0
8	Zuari River	Cortalim	141	62
9	Zuari River	Candaim	1	0
10	Zuari River	Curtorim	2	9
11	Zuari River	Dabolim	18	16
12	Zuari River	Durbhat	14	7
13	Zuari River	Goa_Velha	75	49
14	Zuari River	Loutulim	34	39
15	Zuari River	Marcaim	24	20
16	Zuari River	Neura_o_Grande	0	1
17	Zuari River	Ponchawadi	1	3
18	Zuari River	Quelossim	11	21
19	Zuari River	Rachol	45	35
20	Zuari River	Sancoale	50	23
21	Zuari River	Siroda	3	13
22	Zuari River	Taleigao	88	79
23	Zuari River	Xelvona	0	3
24	Zuari River	Vadi	0	0
		TOTAL	611	449
S.NO	RIVER	village	STRUCTURES EXISTED IN 1991	STRUCTURES WHICH CAMEUP AFTER 1991
1	Talpon River	Canacona	42	6
2	Talpon River	Nagorcem_palolem	16	30
3	Talpon River	Painguinim	68	67
4	Talpon River	GAODONGARI	0	0
		TOTAL	126	103
		TOTAL		
S.No	RIVER	TOTAL VILLAGE		
S.No	RIVER Sal River		126 STRUCTURES	103 STRUCTURES WHICH CAME
		VILLAGE	STRUCTURES EXISTED IN 1991	STRUCTURES WHICH CAME UP AFTER 1991
1	Sal River	VILLAGE AMBELIM	STRUCTURES EXISTED IN 1991	STRUCTURES WHICH CAME UP AFTER 1991
1 2	Sal River Sal River Sal River	VILLAGE AMBELIM ASSOLANA	STRUCTURES EXISTED IN 1991	STRUCTURES WHICH CAME UP AFTER 1991 8 12
1 2 3	Sal River Sal River Sal River Sal River	VILLAGE AMBELIM ASSOLANA BENALIUM CAVELOSSIM	126 STRUCTURES EXISTED IN 1991 17 4 0	STRUCTURES WHICH CAME UP AFTER 1991 8 12 5
1 2 3 4	Sal River Sal River Sal River Sal River Sal River	VILLAGE AMBELIM ASSOLANA BENALIUM	126 STRUCTURES EXISTED IN 1991 17 4 0 96	STRUCTURES WHICH CAME UP AFTER 1991 8 12 5 94
1 2 3 4 5	Sal River Sal River Sal River Sal River	VILLAGE AMBELIM ASSOLANA BENALIUM CAVELOSSIM CHINCHINIM	126 STRUCTURES EXISTED IN 1991 17 4 0 96 1	8 12 5 94
1 2 3 4 5 6	Sal River	VILLAGE AMBELIM ASSOLANA BENALIUM CAVELOSSIM CHINCHINIM DEUSSA	126 STRUCTURES EXISTED IN 1991 17 4 0 96 1 5	103 STRUCTURES WHICH CAME UP AFTER 1991 8 12 5 94 0 5
1 2 3 4 5 6	Sal River	VILLAGE AMBELIM ASSOLANA BENALIUM CAVELOSSIM CHINCHINIM DEUSSA NAVALIM	126 STRUCTURES EXISTED IN 1991 17 4 0 96 1 5 0	103 STRUCTURES WHICH CAME UP AFTER 1991 8 12 5 94 0 5 1
1 2 3 4 5 6 7 8	Sal River	VILLAGE AMBELIM ASSOLANA BENALIUM CAVELOSSIM CHINCHINIM DEUSSA NAVALIM ORLIM VARCA	126 STRUCTURES EXISTED IN 1991 17 4 0 96 1 5 0 3 0	103 STRUCTURES WHICH CAME UP AFTER 1991 8 12 5 94 0 5 1 1 1
1 2 3 4 5 6 7	Sal River	VILLAGE AMBELIM ASSOLANA BENALIUM CAVELOSSIM CHINCHINIM DEUSSA NAVALIM ORLIM	126 STRUCTURES EXISTED IN 1991 17 4 0 96 1 5 0 3	103 STRUCTURES WHICH CAME UP AFTER 1991 8 12 5 94 0 5 1



Superposing these layers over PT sheet wise cadastral maps of each of the villages, the survey number and sub-division number in which each of the structures / dwelling units is recorded and the results tabulated (Annexure – 3).

Hardcopy maps have been generated on 1:1000 scale for each of the PT sheets of all the villages along the rivers and submitted to the Director, Science and Technology. The maps contained cadastral information like number and extent of PT sheets, survey number and sub-division number and the structures that existed at the time of cadastral survey as well as satellite image interpreted layers of 1991 and post 1991 (Plate-11). For Panaji and Vasco urban areas because of the dense details, the maps were generated on 1:500 scale and they contained information on Chalta numbers instead of survey number.

Village level compiled maps have also been generated on 1:4000 scale showing the cadastral information and the interpretations derived from the satellite imagery (Plate - 12).

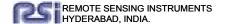
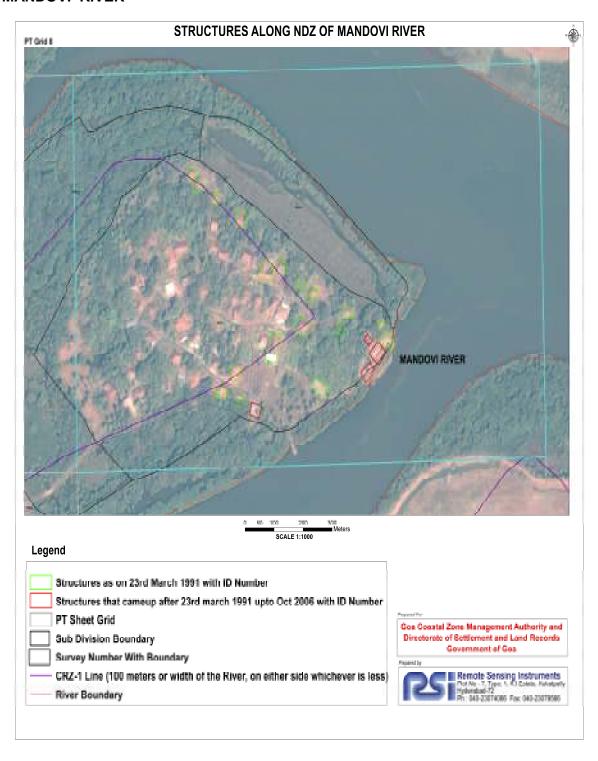


Plate – 11: PT SHEET WISE STRUCTURES IN NDZ OF CAPAO VILLAGE ALONG MANDOVI RIVER



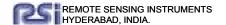
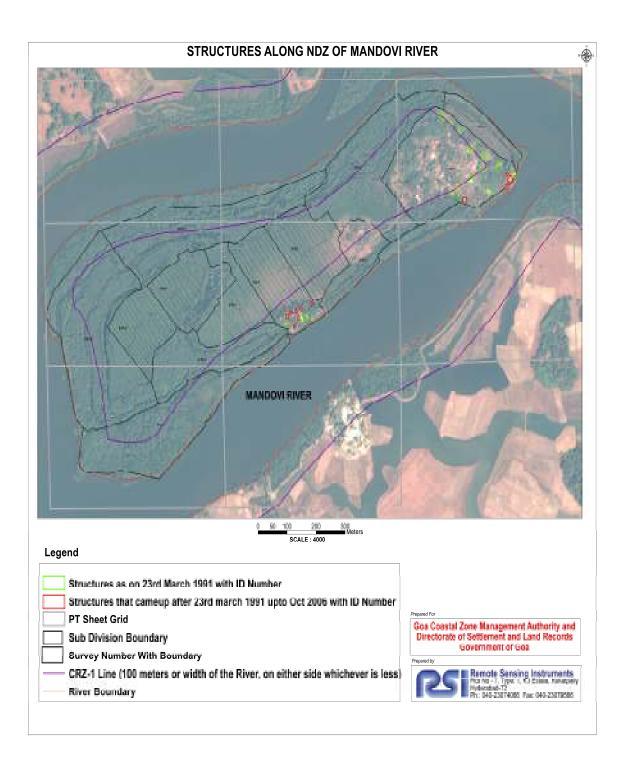
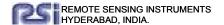


Plate – 12: STRUCTURES IN NDZ OF CAPAO VILLAGE ALONG MANDOVI RIVER





CHAPTER - 4 DEVELOPMENT OF WEBSITE FOR HOSTING THE DATA

The Letter of Intent issued by GCZMA includes development of a website to make the data accessible to general public. However classified information as directed by Government is not to be hosted.

Accordingly a website has been specially designed and the data generated in Phase – I and Phase – 2 has been hosted in a GIS environment. User friendly web application query shell has also been developed. Data accessibility protocols will be incorporated after discussions with the GCZMA.

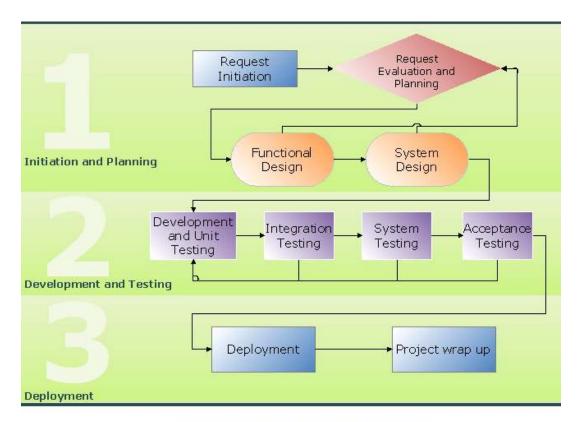
4.2 SOTWARE DEVELOPMENT METHODOLOGY:

RSI Software Development Team follows the Software Engineering Methodology (SEM). The SEM is the lifecycle methodology standard for all software development projects. Tailoring of the lifecycle for development project includes modifications to the stages and to the number and types of documents.

RSI Software Development Life Cycle (SDLC) for this project is a ten-phase development life cycle from project initiation to project wrap-up (shown below in Figure).

Development, construction and coding started after internal acceptance of the project team. Development, integration and testing was done on parallel. Once the projects internal acceptance team is satisfied with the development, it will be moved to the deployment stage where beta deployment would be done first at the client's premises. The software problems, if any, that are raised during the beta version usage, will be fixed and the final version will be deployed.

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Software Development Lifecycle

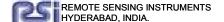
Once the project is operational the maintenance team would work on maintenance of the software as and when it is needed. Following procedures was used for project tracking and reporting to organize and execute the project effectively.

4.3 PROJECT TRACKING AND CONTROL:

Project tracking and control will utilizes MS Project 2003 functionalities for specifying all line items like activities, tasks, and sub-tasks of the product development. The required weekly and monthly project reports will be generated in the MS Project 2003. If problems are encountered in the development of the project, they will be reported in a problem/issue Log as per MS Project 2003.

Status Reporting:

The development team was meeting weekly and monthly during the development of the project period to coordinate work assignments and plan upcoming work. The



minutes of the meetings will be summarized in the Technical Status Report (TSR) by weekly/monthly. The TSR is the official reporting mechanism for the Product Development and it was distributed to the concerned people.

Project Checkpoints (Stage Exits):

Stage exits for project checkpoints was followed as defined. All affected functional areas involved in the project will also participate in and provide input to the stage exit.

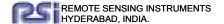
CRZ Website Architechture:

All the digital data including spatial and non-spatial data produced during the survey, was imported into Oracle 10g database. Spatial component of Oracle 10g was used to embed the maps produced by the surveyors to implement secured access to the complete data. The quality of data was checked and verified before importing into the database and indexing is done on appropriate layers for quick access.

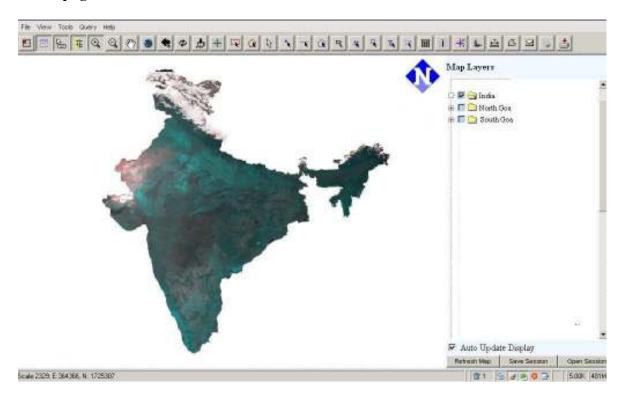
Cutomized mapping engine was developed using a product from a Canadian company, MRF, called MRF MapServer. MRF MapServer accesses the maps from Oracle Spatial using a secured access and renders maps on Internet Explorer. So, these maps can be accessed by anyone over the Internet having login access.

CRZ Website Structure:

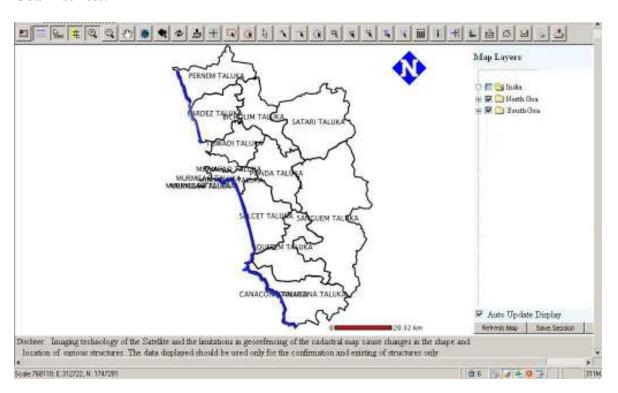
The website is organized in a hierarchical way with satellite map of India showing in the startup page and State map of Goa with taluka and district boundaries & the CRZ in the next page. Zooming further one can get information on PT sheet grid for each village and the HTL, 200m and 500m lines. In the next step one can get information on all the structures and the cadastral data. The structures are organized in distinct layers for different years of construction and one can get information on the structures constructed in particular year / years.

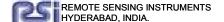


Home page of the CRZ web site

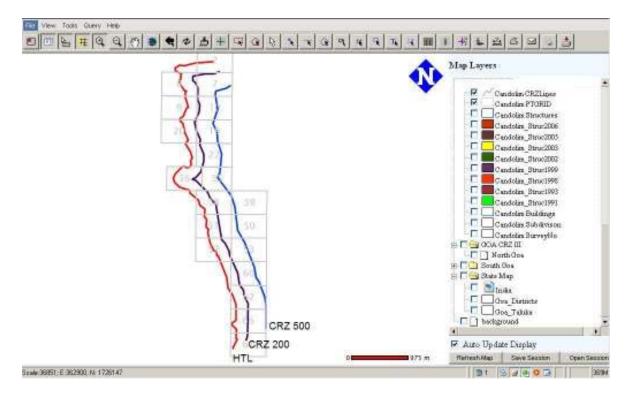


Goa Districts:

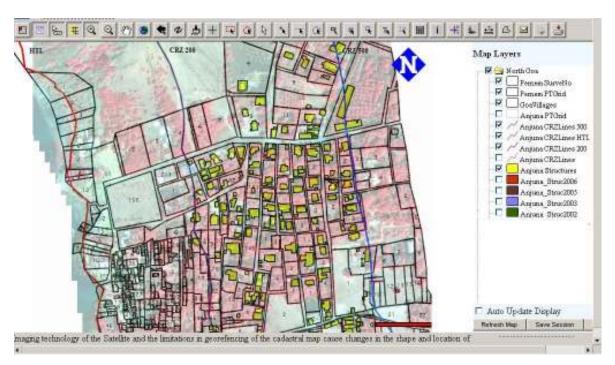


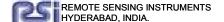


CRZ Lines and PT Grid



Structures in CRZ III of a part of Anjuna Village.





CHAPTER - 5 OUTPUTS GENERATED

The following data products have been generated during the first phase of the project.

SOFTCOPY DATA

- Satellite data
 - a) Rectified Russian satellite data of 1991
 - b) Rectified IRS IC LISS IV data of 1998, 1999 and 2002
 - c) Rectified QuickBird satellite data of 2003 2004
 - d) Rectified IKONOS satellite data of 2005
 - e) Rectified CARTOSAT 1 satellite data of 2006
- 2. Ortho-rectified aerial photographs of 1993
- Vector layers prepared by interpretation of different satellite imagery
- 4. Geo-referenced cadastral maps (PT sheets wise and village wise)
- Landuse-landcover map of Goa coastal zone along with base details, administrative boundaries and HTL,200m. and 500m. lines from HTL
- 6. A comprehensive GIS database of all the graphic information collected and its integration with attribute data
- A specially designed website hosting the entire data collected in a GIS environment with a query shell

Hard copies of PT wise maps on 1:1000 scale showing the structures / dwelling units as interpreted on satellite imagery of different years shown in district colours along with cadastral information like survey and sub-division boundaries and numbers and the structures which existed at the time of cadastral survey and the 200m and 500m lines from high tide line on land side.

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Hard copies of village level maps on 1:4000 scale in CRZ-III (between 200m and 500m from high tide line) showing satellite interpretations of different years in separate colours and the cadastral information like survey and sub-division number and boundaries and the structures that existed at the time of cadastral survey

Landuse-landcover maps with base details on 1:4000 scale for the Goa coastal zone

Table showing the number of structures / dwelling units that existed in 1991 and that came up in subsequent years upto 2006, village wise.

Tables showing the number of structures / dwelling units that existed in 1991 and that came up subsequently in different years upto 2006, PT sheet wise with survey and sub-division numbers.

Table showing village wise data of the number of proforma distributed and number of them received back with full or partial information.

4.2 OUTPUTS GENERATED IN SECOND PHASE:

Satellite data in softcopy form

- Rectified Russian satellite data of 1991
- Rectified QuickBird satellite data of 2008
- Vector layers prepared by interpretation of 1991 Russian satellite data and 2008 QuickBird satellite data

Hard copies of PT wise maps on 1:1000 scale showing the structures / dwelling units that existed in 1991 and that came up in CRZ-I subsequently on either side of each of the rivers (within 100m or width of river whichever is less) along with cadastral information like survey and sub-division number and boundaries.

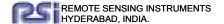
REMOTE SENSING INSTRUMENTS HYDERABAD, INDIA.

In the river and estuary areas around Panaji and Vasco the hard copies have been generated on 1:500 scale because of dense details and the survey number has been replaced by Chalta number.

Hard copies of village level maps on 1:4000 scale showing the structures / dwelling units that existed in 1991 and that came up subsequently in CRZ-I of each of the rivers (ie within 100m or width of river whichever is less, of the HTL on either side of the river).

Table showing the number of structures / dwelling units that existed in 1991 and that came up subsequently village wise, in the CRZ-I of the rivers Tiracol, Chapora, Mandovi, Zuari, Sal and Talpona.

Table showing the number of structures / dwelling units that existed in 1991 and that came up subsequently, survey number and sub-division number wise for all villages in the CRZ-I zone the rivers. Tiracol, Chapora, Mandovi, Zuari, Sal and Talpona upto the point where the tidal affect is felt.



CHAPTER - 6 ANALYSIS

Analysis of the results of the first phase study in the CRZ-III (between 200m and 500m from the HTL towards land) along the entire Goa Coast showed that in almost all the 35 villages the number of structures / dwelling units have increased compared to the situation at the time of enactment of CRZ legislation in 1991.

The increase has been very significant in Querim, Arambol, Mandrem and Morjim villages in Pernem taluk, Anjuna, Candolim and Calangute villages in Bardez taluk, Colva, Benaulim, Varca and Cavelossim villages in Salcete taluk and Cola, Agonda, NagorcemPalolem, Poingunim and Loliem villages in Canacona taluk.

The changes are less spectacular in Mormugao and Quepem taluks with major increases recorded in Vasco town, Chicolna, Velsao, Arossim and Cansaulim villages in Mormugao taluk and Naquerim village in Quepem taluk.

Door to door field survey, covering all the structures / dwelling units, to collect ownership and other details, evoked a meager response possibly because majority of the owners did not have requisite permissions for construction.

Analysis of second phase work showed that in the CRZ-I of Tiracol river maximum number of structure (117) have come up in Pernem village. In other villages also there has been some increase in the number of structures after 1991.

Along Chapora river also there has been significant increase in the number of structures after 1991 in the CRZ-I of the villages Morjim, Agarwada, Parcem, Dargalim, Ozorim, Colvale, Camurlim, Anjuna, Sirlim, Pirna, Nadora and Assagao. In other villages the increase in the number of houses is marginal.

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The villages Ibrampur, Durnacem and Menurem villages did not register any increase.

Along Mandovi river significant increase in number of structures in the CRZ-I is recorded in the villages Narora-Bich, Narora, Candola, Capro, Cumbrarjua, Goltim, Nerul, Orgao, Pale, Penhadefranca, Pilao, Resimagos, Usgao and Panaji, Marginal increase in the number of structures after 1991, is noticed in almost all other villages.

Along Zuari river significant increase in the number of structures in the CRZ-I is noticed in Bambolim, Bamdora, Calapur, Cortalim, Dabolim, Goa, Velha, Loritilim, Marcaim, Quelossim, Rachol, Somcoale and Taleigaon villages. In other villages the increase in number of structures is marginal. In a few villages no few structures were constructed after 1991.

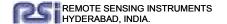
Along Sal river very high increase (>75%) in the number of structures in the CRZ-I is recorded in Cavelossim and Velim villages with minor increases in other villages.

Along Talpona river major increase in the number of structures in the CRZ-I is found mostly in Nagorcem-Palolem and Paringerinim with a small increase in Canacona.

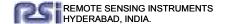
REMOTE SENSING INSTRUMENTS HYDERABAD, INDIA.

CHAPTER - 7 CONCLUSIONS

- Russian satellite images of 1991, IRS-IC satellite imagery of 1998, 1999 and 2002, QuickBird satellite data of 2003, IKONOS satellite data of 2005 and CARTOSAT-1 stereo satellite data of 2006 and aerial photographs of 1993 all in soft copy form have been effectively used to identify and delineate the structures / dwelling units as they existed at the time of acquisition of satellite data and aerial photographs in different calendar years.
- Russian satellite data acquired in March, 1991 served as base line information at the time of enactment of coastal zone regulation act of February, 1991 and helped in identifying the structures / dwelling units prior to enactment of the act.
- Information obtained from QuickBird data of 2003 with 0.62m resolution, updated with CARTOSAT – 1 stereo data of 2006 with 2.5m resolution gave the situation as it existed at the time of the judgment of Goa Bench of Mumbai High Court in October, 2006.
- O Hon'ble High Court wanted the changes to be monitored every calendar year between 1991 and 2006. Due to non availability of satellite data / aerial photographs, the situation as it existed in 1993, 98, 99, 2002, 2003, 2005 and 2006 only could be obtained.
- Collection of ground control points (GCP's) through Differential Global Positioning System (DGPS) survey helped in ortho-rectifying CARTOSAT-1 stereo data of 2006. With ortho-rectified CARTOSAT-1 satellite data as reference, satellite data of all other years have been co-registered.
- Ortho-rectified CARTOSAT-1 satellite data was also used for georeferencing the cadastral maps
- By overlying the geo-referenced cadastral maps on satellite imagery / aerial photos interpretation layers, the structures / dwelling units could be



- mapped survey, sub-division and PT sheet number wise as well as village wise, for different years and the changes recorded.
- Analysis of results of first phase showed that along the CRZ-III (ie between 200m and 500m from the HTL) a large number of new structures / dwelling units have come up after 1991, particularly in the villages Arambol, Mandrem and Morjim in Pernem taluka, Anjuna, Calangute and Candolim villages in Bardez taluka and Palolem in Canacona taluka. The villages Colva, Benaulim in Salcete taluka, Velsao and Arossim in Mormugao taluka, Naquerim in Quepem taluk, Cola, Agonda, Poingunim and Loliem in Canacona taluk also registered significant increase. All the other villages also recorded increase in the number of structures / dwelling units.
- Door to door field survey carried out to collect information on ownership details, plinth area, number of floors, permissions obtained from the competent authorities, taxes paid etc, showed very poor response. Less than 10% of the owners responded with full details, inspite of full support received from the Director, Panchayati Raj and the village Panchayats in collecting the filled in proforma.
- During the second phase of work, the number of structures / dwelling units that came up in the CRZ-I (No Development Zone) along the rivers and estuaries, after the enactment of CRZ legislation in February, 1991 was studied. Russian satellite data of 2m resolution acquired in March, 1991 served as base information of the structures / dwelling units, as they existed in 1991 and QuickBird satellite data of 2003 2004 and 2008 provided the information on structures / dwelling units that came up after 1991 in the CRZ-I.
- QuickBird satellite data of 2008, procured along the rivers, Tiracol, Chapora, Mandovi, Zuari, Sal and Talpona upto the point in upstream where the tidal affect is experienced, was rectified with respect to orthorectified CARTOSAT-1 satellite data procured during the first phase and



the Russian satellite data of 1991 was rectified with respect to rectified QuickBird data.

 The river boundaries on either side and 100m line if the width of the river is 100m or more and actual width of the river if it is less than 100m have been marked by buffering.

By interpreting the Russain satellite data of 1991 and QuickBird data of 2003 – 2004 and 2008 the number of structures / dwelling units that existed in 1991, at the time of enactment of CRZ legislations and those that come up afterwards were delineated.

Cadastral maps of the villages along the rivers upto the point where the tidal affects are felt, have been procured and geo-referenced with reference to rectified QuickBird imagery.

Overlying the geo-referenced cadastral maps over the satellite data interpretation layers, the structures / dwelling units, that existed in 1991 and those which up afterwards could be mapped, survey number, sub-division number PT sheet number and village wise.

Analysis of results showed that new structures / dwelling units have come up almost in all the villages along the rivers, most significantly in Pernem village, along Tiracol river, Parcem, Colvale and Camurlim villages along Chapora river, Panaji, Perha Leframca and Resimogos villages along Mandovi river, Taleigao, Goa Velha, Cortalim villages along Zuari river, Cavelossim and Velim villages along Sal river and Poinguinim and NagorcemPalolem villages along Talpona river.

REMOTE SENSING INSTRUMENTS HYDERABAD, INDIA.

CHAPTER - 8 LIMITATIONS

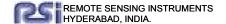
Goa Bench of Mumbai High Court has directed the Government of Goa to identify and map all the structures / dwelling units that existed in 1991 prior to enactment of CRZ legislation and those which come up subsequently each calendar year upto October, 2006 (16 years) while the Russain satellite data of March, 1991 could be used to extract information as it existed at the time of enactment of legislation, for only seven subsequent years suitable data, either satellite images / aerial photographs were available.

The image quality of the single band Russain satellite data of 1991, though of 2m spatial resolution was not very good and identification and delineation of structures was not very precise. For the same reason the registration of Russain satellite data with ortho-rectified CARTOSAT – 1 data was not very perfect as the common control points could not be precisely identified.

Rectification and interpretability of IRS IC satellite data of 1998, 1999 and 2002 was not very good because of the coarse spatial resolution (5.8m) and difficulty in identifying common control points.

Stereo viewing of the aerial photographs of 1993 helped in delineation of a number of structures / dwelling units, but small scale of photographs (1:40000) caused certain limitation in interpretation

Cadastral maps of the area are not geo-referenced. They had to be georeferenced using rectified CARTOSAT-1 satellite data, for precise location of structures. Because of lack of sufficient common control points the rectification could not be done perfectly.



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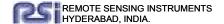
AND INQUIRY OF CRZ AREAS IN GOA

PT wise cadastral maps of Pernem taluka have considerable overlap causing difficulty in geo-referencing.

Some of the structures particularly the smaller ones with tiled sloping roofs and those covered by vegetation could not be identified because of lack of distinct tonal contrast.

Shape and positional accuracy of the structures / dwelling units mapped on satellite imagery may not be perfectly accurate, because of imperfect rectification of cadastral maps and the imaging technology.

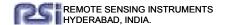
Cadastral maps of the area were prepared based on field surveys carried out in early 1970, with the then available survey machines and has inherent limitations. With the availability of sophisticated machines like electronic total stations, there is a need for more accurate cadastral survey with georeferencing.



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REFERENCES

- 1) Ministry of Environment and Forests, The Gazette of India, Notification, S.O. no. 114 (E), 19th February, 1991.
- 2) Ministry of Environment and Forests, Coastal Zone Management Plans of Goa, notification no. J-17011/12/92-IA-III, 25th September, 1996.
- 3) The Coastal Regulation Zone of Goa: Oceanographic, environmental and societal perspectives by Antonio Mascarenhas (NIO) Current Science December, 1999.



Annexure - 1

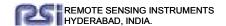
PERFORMA DESIGNED FOR HOUSE TO HOUSE FIELD DATA COLLECTION FORM THE VILLAGES IN CRZ-III OF GOA COASTAL ZONE

Sno	Question	Remarks
1	Name of the Owner (Full Name in Block Letters)	
2	Current Postal Address of the Owner	
3	Survey Number of the Property	
4	Parcel_ID of the Property	
5	Village / Town	
6	Taluka	
7	District	
8	House Number	
9	House Address	
10	Registration No. of the Plot	
11	Registration Issuing Authority	
12	Date & Year of Registration of the Plot	
13	Plot Size	
	Single Family Residential Open Plot	
	Multi Family Residential (1 to 4 units) Multi Family Residential	
	(5 or more Units) Retail / Wholesale Industrial / Warehouse / Utilities	
	/ Transport	
	Parks / Community Gardens School / Religious Family	
	Social Service / Government / Health Care Mixed Use (commercial space &	
	apartment in the same property)	
16	Print Area / Floor Area of each floor	
17	Height of the Building	
	Issued by which Authority Day / Year of Approval	
	Issued by which Authority Day / Year of Approval	
19	Are you a Tax Payee? Yes No	
	If yes, details of the last paid Tax Receipt Amount Paid: Date / Year:	
20	If the plot has undergone any renovaions or repairs, furnish the issue of approval details	
21	Whether compound wall of your property exists. If so, mention its type	
	1. Open Well2. Bore Well3. Tube Well4. None	

Name & Signature of the Owner

the Field Surveyor

Name & Signature of

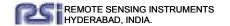


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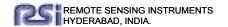
Annexure – 2

NUMBER OF STRUCTURES SURVEY AND SUBDIVISION NUMBER WISE AND VILLAGE WISE IN DIFFERENT CALENDAR YEARS IN CRZ-III OF GOA COASTAL ZONE

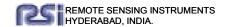
TVIOL III	DIFFERENT	OALLINE	AN I EAI	10 111	/11/2-111	<u> </u>	<u> </u>	AO I AL	LONE		
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
PERNEM	Arambol	69	2	55	0	0	0	0	8	0	5
PERNEM	Arambol	72	32	0	0	0	0	0	1	0	0
PERNEM	Arambol	72	36	0	0	0	0	0	1	0	0
PERNEM	Arambol	72	9	1	0	0	0	0	0	0	0
PERNEM	Arambol	72	6	20	0	3	0	0	3	0	5
PERNEM	Arambol	164	16	0	0	0	0	0	1	0	0
PERNEM	Arambol	169	21	3	0	0	0	0	2	0	0
PERNEM	Arambol	169	20	0	0	4	0	0	0	0	0
PERNEM	Arambol	164	1	2	0	1	0	0	0	0	0
PERNEM	Arambol	164	2	2	0	0	0	0	0	0	0
PERNEM	Arambol	169	1	4	0	0	0	0	0	0	1
PERNEM	Arambol	169	3	3	0	1	0	0	0	0	0
PERNEM	Arambol	169	4	3	0	2	0	0	1	0	0
PERNEM	Arambol	169	5	0	0	2	0	0	0	0	0
PERNEM	Arambol	169	6	1	0	1	0	0	1	0	0
PERNEM	Arambol	60	9	2	0	1	0	0	0	0	1
PERNEM	Arambol	162	3	1	0	0	0	0	0	0	1
PERNEM	Arambol	70	2-A	0	1	0	0	0	1	0	0
PERNEM	Arambol	162	7	1	0	0	0	0	0	0	0
PERNEM	Arambol	162	14	9	0	0	1	0	2	0	0
PERNEM	Arambol	60	4	3	0	0	0	0	1	0	3
PERNEM	Arambol	68	1	0	1	0	1	0	2	0	1
PERNEM	Arambol	48	50	0	0	0	0	0	1	0	0
PERNEM	Arambol	59	1	0	0	0	0	0	0	0	1
PERNEM	Arambol	162	8	0	0	0	0	0	2	0	0
PERNEM	Arambol	162	14-A	1	0	0	0	0	0	0	0
PERNEM	Arambol	162	10	3	0	0	0	0	0	0	0
PERNEM	Arambol	164	38	2	0	4	0	0	5	0	0
PERNEM	Arambol	66	9	0	0	1	0	0	0	0	0
PERNEM	Arambol	72	30	0	0	0	0	0	0	0	1
PERNEM	Arambol	72	31	0	0	0	0	0	1	0	0
PERNEM	Arambol	72	3	3	0	0	1	0	4	0	0
PERNEM	Arambol	163	10	1	0	3	0	0	4	0	1
PERNEM	Arambol	169	2	0	0	0	0	0	3	0	1
PERNEM	Arambol	168	12	1	0	0	0	0	0	0	1
PERNEM	Arambol	172	12	1	0	0	1	0	0	0	1
PERNEM	Arambol	168	11	0	0	0	0	0	0	0	2
PERNEM	Arambol	168	10	0	0	0	0	0	4	0	0
PERNEM	Arambol	168	7	0	0	3	0	0	0	0	1
PERNEM	Arambol	73	2	5	0	0	1	0	9	0	0
PERNEM	Arambol	162	2	1	0	0	0	0	2	0	1



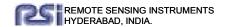
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
PERNEM	Arambol	163	11	1	0	2	0	0	3	0	0
PERNEM	Arambol	169	13	0	0	0	0	1	0	0	0
PERNEM	Arambol	169	14	0	0	0	0	0	0	0	1
PERNEM	Arambol	72	6-B	0	0	0	1	0	0	0	0
PERNEM	Arambol	186	1	1	0	0	0	0	1	0	0
PERNEM	Arambol	169	19	1	0	0	0	0	0	0	1
PERNEM	Ar ambol	169	18	0	0	0	0	0	1	0	0
PERNEM	Arambol	162	13	1	0	0	0	0	3	0	0
PERNEM	Arambol	162	12	0	0	0	0	0	0	0	2
PERNEM	Arambol	162	1	0	0	0	0	0	1	0	2
PERNEM	Arambol	169	9	1	0	0	0	0	0	0	0
PERNEM	Arambol	168	16	0	0	0	0	0	0	0	1
PERNEM	Arambol	171	5	0	0	1	0	0	0	0	0
PERNEM	Arambol	168	13	0	0	0	1	0	0	0	0
PERNEM	Arambol	73	1	9	1	1	0	0	8	0	3
PERNEM	Arambol	59	25	1	0	0	0	0	0	0	0
PERNEM	Arambol	60	16	0	0	0	0	0	0	0	1
PERNEM	Arambol	60	12	1	0	0	0	0	0	0	0
PERNEM	Arambol	59	13	0	1	0	0	0	0	0	0
PERNEM	Arambol	48	18	0	1	0	0	0	0	0	0
PERNEM	Arambol	164	27	0	0	0	0	0	0	0	1
PERNEM	Arambol	164	26	0	0	0	0	0	2	0	0
PERNEM	Arambol	164	24	0	0	0	2	0	3	0	1
PERNEM	Arambol	164	18	1	1	0	0	0	0	0	0
PERNEM	Arambol	164	22	0	0	0	0	0	1	0	1
PERNEM	Arambol	164	23	0	0	0	0	0	1	0	1
PERNEM	Arambol	164	13	2	0	0	0	0	1	0	0
PERNEM	Arambol	164	12	3	0	0	0	0	0	0	0
PERNEM	Arambol	77	51	2	0	0	0	0	0	0	0
PERNEM	Arambol	74	35	0	0	0	0	0	2	0	0
PERNEM	Arambol	73	1Part	1	0	0	0	0	1	0	0
PERNEM	Arambol	70	6-A	1	0	0	0	0	0	0	0
PERNEM	Arambol	59	24	0	0	1	0	0	0	0	0
PERNEM	Arambol	60	14	0	0	0	0	0	0	0	1
PERNEM	Arambol	70	16	2	0	0	0	0	2	0	0
PERNEM	Arambol	75	1	0	0	0	0	0	2	0	0
PERNEM	Arambol	75	2	1	1	0	0	0	2	0	0
PERNEM	Arambol	68	2	1	0	0	0	0	1	0	0
PERNEM	Arambol	69	11	0	0	0	1	0	2	0	0
PERNEM	Arambol	162	16	2	0	0	0	0	0	0	0
PERNEM	Arambol	69	5	0	0	0	0	0	3	0	0
PERNEM	Arambol	75	32	0	0	0	0	0	0	0	1
PERNEM	Arambol	75	31	0	0	1	0	0	0	0	0
PERNEM	Arambol	164	35	1	0	0	0	0	0	1	0
PERNEM	Arambol	69	1	0	0	0	0	0	0	0	1



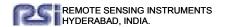
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
PERNEM	Arambol	70	17	3	0	0	0	0	0	0	2
PERNEM	Arambol	75	24	0	0	0	0	0	0	0	1
PERNEM	Arambol	70	15	5	0	2	0	0	2	0	2
PERNEM	Arambol	176	10	5	0	1	0	0	0	0	0
PERNEM	Arambol	178	8	3	0	0	0	0	2	0	0
PERNEM	Arambol	162	4	1	0	0	0	0	0	0	0
PERNEM	Arambol	164	39	4	0	0	0	0	0	0	1
PERNEM	Arambol	70	14	1	0	0	0	0	0	0	0
PERNEM	Arambol	70	10	0	0	2	0	0	0	0	0
PERNEM	Arambol	75	3	0	0	0	0	0	2	0	0
PERNEM	Arambol	70	6	2	0	0	0	0	1	0	0
PERNEM	Arambol	172	11	0	0	0	0	0	2	0	0
PERNEM	Arambol	168	5	0	2	1	0	0	0	0	1
PERNEM	Arambol	164	11	1	0	0	0	0	2	2	0
PERNEM	Arambol	172	13	1	0	0	0	0	2	0	0
PERNEM	Arambol	168	1-A	1	0	0	0	0	1	0	0
PERNEM	Arambol	171	6	1	0	0	0	0	0	0	0
PERNEM	Arambol	172	10	1	0	0	0	0	0	0	0
PERNEM	Arambol	168	2-B	0	1	0	0	0	0	0	0
PERNEM	Arambol	178	12	0	0	1	0	0	2	0	0
PERNEM	Arambol	178	6	0	1	1	0	0	0	0	0
PERNEM	Arambol	176	1	0	0	0	0	0	1	0	0
PERNEM	Arambol	182	3	2	0	0	0	0	0	0	3
PERNEM	Arambol	182	2	0	0	0	0	0	1	0	0
PERNEM	Arambol	177	1	0	0	8	0	1	0	0	0
PERNEM	Arambol	172	2	0	0	0	0	0	0	0	1
PERNEM	Arambol	70	2	0	0	0	0	0	1	0	0
PERNEM	Arambol	72	5	6	0	0	0	0	5	0	0
PERNEM	Arambol	75	5	0	0	0	0	0	1	0	0
PERNEM	Arambol	70	8	1	0	0	0	0	1	0	0
PERNEM	Arambol	70	9	3	0	0	0	0	0	0	0
PERNEM	Arambol	70	5	0	0	0	0	0	1	0	0
PERNEM	Arambol	80	41	2	0	0	0	0	0	0	0
PERNEM	Arambol	74	28	1	0	0	0	0	2	0	0
PERNEM	Arambol	80	20	0	0	0	0	0	2	0	0
PERNEM	Arambol	72	28	6	0	0	0	0	0	0	0
PERNEM	Arambol	178	10	2	0	0	0	0	1	0	0
PERNEM	Arambol	167	1	1	0	0	0	0	0	0	0
PERNEM	Arambol	176	12	0	0	1	0	0	0	0	0
PERNEM	Arambol	178	9	1	0	0	0	0	2	0	0
PERNEM	Arambol	66	1	11	1	3	0	0	1	0	1
PERNEM	Arambol	69	3	0	0	0	0	0	0	0	1
PERNEM	Arambol	169	16	2	0	0	0	0	0	0	1
PERNEM	Arambol	178	18	4	0	0	0	0	0	0	0
PERNEM	Arambol	173	27	0	0	0	0	0	1	0	0



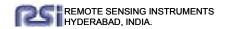
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
PERNEM	Arambol	69	8	0	0	1	0	0	0	0	0
PERNEM	Arambol	163	8	1	0	1	0	0	2	0	0
PERNEM	Arambol	163	4	2	0	0	0	0	0	0	1
PERNEM	Arambol	169	24	2	0	0	1	0	1	0	1
PERNEM	Arambol	164	3	3	0	0	0	0	1	0	0
PERNEM	Arambol	176	8	0	0	1	0	0	0	0	1
PERNEM	Arambol	176	7	1	1	0	0	0	0	1	0
PERNEM	Arambol	178	4	0	0	1	0	0	0	0	0
PERNEM	Arambol	178	3	1	0	0	0	0	0	0	0
PERNEM	Arambol	169	12	2	0	1	0	0	1	0	0
PERNEM	Arambol	169	10	0	0	0	0	0	1	0	0
PERNEM	Arambol	176	9	0	0	0	0	0	1	0	0
PERNEM	Arambol	178	7	6	0	0	0	0	0	0	0
PERNEM	Arambol	163	7	0	0	0	0	1	0	0	0
PERNEM	Arambol	164	33	1	0	0	3	0	0	0	0
PERNEM	Arambol	164	29	0	0	0	0	0	1	0	0
PERNEM	Arambol	162	17	1	0	0	0	0	0	0	0
PERNEM	Arambol	162	9	2	0	0	0	0	0	0	0
PERNEM	Arambol	72	26	0	0	0	0	0	0	0	1
PERNEM	Arambol	72	15	2	0	0	0	0	0	0	1
PERNEM	Arambol	72	16	1	0	0	0	0	0	0	0
PERNEM	Arambol	72	17	1	0	0	0	0	0	0	0
PERNEM	Arambol	72	7	3	0	0	0	0	0	0	0
PERNEM	Arambol	72	4	1	0	0	0	0	0	0	0
PERNEM	Arambol	163	5	2	0	0	0	0	0	0	1
PERNEM	Arambol	164	15	2	0	0	0	0	0	0	1
PERNEM	Arambol	72	6-A	1	0	0	0	0	0	0	0
PERNEM	Arambol	72	1	2	0	0	0	0	0	0	0
PERNEM	Arambol	68	16	0	0	0	0	0	1	0	0
PERNEM	Arambol	68	13	2	0	0	0	0	0	0	0
PERNEM	Arambol	164	32	0	0	0	1	0	0	0	0
PERNEM	Arambol	176	15	0	0	0	0	0	1	0	0
PERNEM	Arambol	176	14	0	0	0	0	0	0	1	0
PERNEM	Arambol	178	11	2	0	0	0	0	0	0	0
PERNEM	Arambol	176	13	1	0	0	0	0	0	0	0
PERNEM	Arambol	172	6	1	0	0	0	0	0	0	0
PERNEM	Arambol	169	22	1	0	0	0	0	0	0	0
PERNEM	Arambol	169	15	1	0	0	0	0	0	0	0
PERNEM	Arambol	169	11	1	0	0	0	0	0	0	0
PERNEM	Arambol	162	17-A	1	0	0	0	0	0	0	0
PERNEM	Arambol	162	11	1	0	0	0	0	0	0	0
PERNEM	Arambol	162	6	1	0	0	0	0	1	0	0
PERNEM	Arambol	162	5	1	0	0	0	0	0	0	2
PERNEM	Arambol	47	9	0	0	0	0	0	1	0	0
PERNEM	Arambol	75	23	0	0	0	0	0	0	0	1



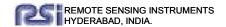
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
PERNEM	Arambol	163	10-A	0	0	0	0	0	1	0	0
PERNEM	Arambol	170	53	0	0	0	0	0	1	0	0
PERNEM	Arambol	178	2	0	0	0	2	0	0	0	0
PERNEM	Arambol	178	5	0	0	1	0	0	1	0	0
PERNEM	Arambol	175	1	1	0	0	0	0	0	0	0
PERNEM	Arambol	66	5	2	0	0	0	0	0	0	0
PERNEM	Arambol	164	34	1	0	0	0	0	0	0	0
PERNEM	Arambol	60	1	1	0	0	0	0	0	0	0
PERNEM	Arambol	72	43	1	0	0	0	0	0	0	0
PERNEM	Arambol	72	35	1	0	0	0	0	0	0	0
PERNEM	Arambol	66	6	2	0	0	0	0	0	0	0
PERNEM	Arambol	48	45	0	0	1	0	0	0	0	0
PERNEM	Arambol	164	19	0	0	0	0	0	0	0	1
PERNEM	Arambol	69	10	0	0	0	1	0	0	0	0
PERNEM	Arambol	168	2-A	0	0	1	0	0	0	0	0
PERNEM	Arambol	176	4	0	0	0	0	0	0	1	0
PERNEM	Arambol	69	4	1	0	0	0	0	0	0	0
PERNEM	Arambol	164	33-A	1	0	0	0	0	0	0	0
PERNEM	Arambol	72	19	1	0	1	0	0	0	0	0
PERNEM	Mandrem	260	2	2	1	1	0	0	2	0	0
PERNEM	Mandrem	263	16	0	1	0	0	0	0	0	0
PERNEM	Mandrem	263	23	0	0	1	0	0	0	0	0
PERNEM	Mandrem	263	27	0	0	1	0	0	0	0	0
PERNEM	Mandrem	263	2	1	2	5	0	0	1	0	0
PERNEM	Mandrem	262	2	3	0	0	0	0	1	0	4
PERNEM	Mandrem	290	2	0	0	0	0	0	1	0	0
PERNEM	Mandrem	287	18	0	0	2	0	0	0	0	0
PERNEM	Mandrem	287	9	2	0	0	0	0	0	0	0
PERNEM	Mandrem	269	1	1	0	0	0	0	0	0	0
PERNEM	Mandrem	286	1	14	0	0	0	0	0	0	1
PERNEM	Mandrem	272	7	0	1	0	0	0	0	0	1
PERNEM	Mandrem	221	1	0	1	0	0	0	0	0	0
PERNEM	Mandrem	279	1	5	2	2	1	0	3	0	2
PERNEM	Mandrem	234	1	0	1	0	0	0	0	0	0
PERNEM	Mandrem	262	1	0	0	0	0	0	0	0	2
PERNEM	Mandrem	296	1	0	0	1	0	0	0	0	0
PERNEM	Mandrem	271	1	15	0	1	1	0	3	0	0
PERNEM	Mandrem	272	20	3	0	1	0	0	1	0	0
PERNEM	Mandrem	272	18	4	1	0	0	0	0	0	0
PERNEM	Mandrem	272	16	0	0	0	0	0	0	0	1
PERNEM	Mandrem	272	10	6	0	2	0	0	3	0	1
PERNEM	Mandrem	213	-	0	1	0	0	0	0	0	1
PERNEM	Mandrem	272	19	2	0	0	0	0	0	0	0
PERNEM	Mandrem	280	1	2	1	3	0	0	0	0	2
PERNEM	Mandrem	280	3	2	1	0	0	0	0	0	0



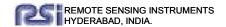
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
PERNEM	Mandrem	228	1	3	0	2	0	0	0	0	3
PERNEM	Mandrem	232	8	0	0	1	0	0	0	0	0
PERNEM	Mandrem	233	18	1	0	0	0	0	1	0	0
PERNEM	Mandrem	258	27	0	0	0	0	0	0	0	1
PERNEM	Mandrem	258	17	2	0	0	0	0	0	0	0
PERNEM	Mandrem	261	15	5	0	2	0	1	1	0	1
PERNEM	Mandrem	258	3	2	0	0	0	0	0	0	0
PERNEM	Mandrem	261	14	0	0	0	0	0	0	0	1
PERNEM	Mandrem	258	5	0	0	0	0	0	0	0	1
PERNEM	Mandrem	260	3	0	0	0	0	0	1	0	1
PERNEM	Mandrem	258	9	1	0	0	0	0	0	0	0
PERNEM	Mandrem	288	8	1	0	1	0	0	0	0	0
PERNEM	Mandrem	272	17	0	0	0	0	0	1	0	0
PERNEM	Mandrem	272	15	1	0	2	0	0	0	0	0
PERNEM	Mandrem	272	9	1	0	1	0	0	1	0	0
PERNEM	Mandrem	272	8	0	0	0	0	0	1	0	0
PERNEM	Mandrem	280	2	1	0	3	0	0	0	0	0
PERNEM	Mandrem	288	11	1	0	0	0	0	0	0	0
PERNEM	Mandrem	230	15	2	0	0	0	0	0	0	0
PERNEM	Mandrem	258	19	1	0	0	0	0	0	0	0
PERNEM	Mandrem	258	11	1	0	0	0	0	0	0	0
PERNEM	Mandrem	263	20	4	0	0	0	0	0	0	0
PERNEM	Mandrem	270	6	1	0	0	0	0	0	0	0
PERNEM	Mandrem	270	12	2	0	0	0	0	0	0	0
PERNEM	Mandrem	288	12-A	0	0	0	0	0	0	0	1
PERNEM	Mandrem	288	7	2	0	3	0	0	0	0	0
PERNEM	Mandrem	288	1	1	0	0	0	0	0	0	0
PERNEM	Mandrem	269	13	1	0	0	0	0	1	0	0
PERNEM	Mandrem	272	6	1	0	0	0	0	0	0	0
PERNEM	Mandrem	278	1	1	0	0	0	0	0	0	0
PERNEM	Mandrem	293	2	1	0	0	0	0	0	0	0
PERNEM	Mandrem	292	1	1	0	0	0	0	0	0	0
PERNEM	Morgim	120	2	5	0	3	2	1	1	1	3
PERNEM	Morgim	121		3	1	0	1	0	1	2	7
PERNEM	Morgim	122	_	4	0	0	8	0	6	3	8
PERNEM	Morgim	127	1	1	0	0	0	0	0	0	0
PERNEM	Morgim	124	8	0	0	0	0	0	0	0	3
PERNEM	Morgim	118	1	22	6	11	0	0	6	2	8
PERNEM	Morgim	123	1	2	0	7	0	0	0	0	3
PERNEM	Morgim	206	13	0	0	0	0	0	0	1	0
PERNEM	Morgim	207	26	0	0	0	0	0	0	0	1
PERNEM	Morgim	187	2	0	0	0	0	0	0	1	0
PERNEM	Morgim	187	1	0	0	0	0	0	0	0	1
PERNEM	Morgim	119	5	7	0	2	0	0	3	0	3
PERNEM	Morgim	208	1	0	0	0	0	0	0	0	3



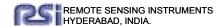
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
PERNEM	Morgim	119	4	1	0	4	0	0	1	0	1
PERNEM	Morgim	129	14	1	0	0	0	0	0	0	0
PERNEM	Morgim	130	8	0	0	0	0	0	1	0	0
PERNEM	Morgim	126	5	2	0	0	0	0	0	0	0
PERNEM	Morgim	129	2	1	0	0	0	0	0	0	0
PERNEM	Morgim	130	9	1	0	1	0	0	0	0	0
PERNEM	Morgim	133	3	2	0	1	0	0	2	0	0
PERNEM	Morgim	133	1	3	0	5	0	0	2	0	1
PERNEM	Morgim	169	32	0	0	0	0	0	0	0	1
PERNEM	Morgim	174	1	0	0	0	0	0	1	0	0
PERNEM	Morgim	188	12	0	0	0	0	0	0	0	1
PERNEM	Morgim	124	6	2	0	0	0	0	1	0	0
PERNEM	Morgim	124	5	2	0	0	0	0	0	0	1
PERNEM	Morgim	187	52	0	0	0	0	0	0	1	0
PERNEM	Morgim	187	20	0	0	0	0	0	0	0	1
PERNEM	Morgim	208	10	0	0	0	0	0	0	0	1
PERNEM	Morgim	129	8	0	0	0	0	0	1	0	0
PERNEM	Morgim	169	43	1	0	0	0	0	1	0	0
PERNEM	Morgim	169	24	0	0	0	0	0	0	0	1
PERNEM	Morgim	172	12	0	0	0	0	0	0	0	1
PERNEM	Morgim	175	34	2	0	0	0	0	0	0	0
PERNEM	Morgim	177	18	1	0	0	0	0	0	0	0
PERNEM	Morgim	174	8	1	0	0	0	0	0	0	0
PERNEM	Morgim	174	2	1	0	0	0	0	1	0	0
PERNEM	Morgim	119	4-A	2	0	1	0	0	1	0	0
PERNEM	Morgim	119	3	8	1	2	0	0	3	3	0
PERNEM	Morgim	127	2(PART)	0	0	0	0	0	1	0	0
PERNEM	Morgim	125	6	1	0	0	0	0	0	0	1
PERNEM	Morgim	127	2	2	0	0	0	0	3	0	0
PERNEM	Morgim	128	1	0	0	0	2	0	0	0	0
PERNEM	Morgim	129	15	8	0	0	2	0	0	0	0
PERNEM	Morgim	117	4-B	2	0	0	0	0	1	0	0
PERNEM	Morgim	117	4-A	2	0	0	0	0	0	1	0
PERNEM	Morgim	117	4-D	1	0	1	0	0	0	0	0
PERNEM	Morgim	117	4	2	0	1	0	0	0	0	0
PERNEM	Morgim	117	3	2	0	1	0	0	4	0	0
PERNEM	Morgim	189	-	1	0	2	0	0	0	1	8
PERNEM	Morgim	203	26	0	0	1	0	0	0	0	0
PERNEM	Morgim	117	1-A	1	0	2	0	0	0	0	1
PERNEM	Morgim	117	2	5	0	4	0	0	0	1	0
PERNEM	Morgim	117	1	0	1	0	0	0	0	0	1
PERNEM	Morgim	172	24	2	0	0	0	0	0	0	0
PERNEM	Morgim	117	1-A-1	0	0	2	0	0	0	0	0
PERNEM	Morgim	118	1-I	0	0	0	0	0	0	0	2
PERNEM	Morgim	203	36	0	0	0	0	0	0	0	2



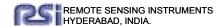
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
PERNEM	Morgim	203	25	0	0	0	0	0	0	0	1
PERNEM	Morgim	174	4	0	0	1	0	0	0	0	0
PERNEM	Morgim	188	2	0	0	1	0	0	0	0	0
PERNEM	Morgim	187	23	0	0	0	0	0	1	0	0
PERNEM	Morgim	207	24	0	0	0	0	0	1	0	0
PERNEM	Morgim	187	13	0	0	2	0	0	0	0	0
PERNEM	Morgim	124	1	0	0	0	0	0	1	1	0
PERNEM	Morgim	128	3	3	0	0	0	0	0	0	0
PERNEM	Morgim	120	1	7	0	1	0	0	2	0	0
PERNEM	Morgim	169	34	1	0	0	0	0	0	0	0
PERNEM	Morgim	169	9	1	0	0	0	0	0	0	0
PERNEM	Morgim	188	11	0	0	0	1	0	0	0	0
PERNEM	Morgim	129	1	0	0	0	0	0	0	1	0
PERNEM	Morgim	124	7	1	0	0	0	0	1	0	0
PERNEM	Morgim	124	4	0	1	0	0	0	0	0	0
PERNEM	Morgim	129	20	0	0	0	1	0	0	0	0
PERNEM	Morgim	191	44	0	1	0	0	0	0	0	0
PERNEM	Morgim	191	39	0	0	1	0	0	0	0	0
PERNEM	Morgim	133	6	2	1	2	0	0	0	0	0
PERNEM	Morgim	118	1-J	0	0	0	0	0	0	0	1
PERNEM	Morgim	124	9	0	0	0	0	0	2	0	0
PERNEM	Morgim	187	35	0	0	0	0	0	1	0	0
PERNEM	Morgim	187	55	0	0	0	0	0	1	0	0
PERNEM	Morgim	187	34	0	0	1	0	0	0	0	0
PERNEM	Morgim	186	32	0	0	0	0	0	0	1	0
PERNEM	Morgim	187	31	0	0	1	0	0	0	0	0
PERNEM	Morgim	126	6	0	0	0	0	0	0	0	1
PERNEM	Morgim	130	4	4	0	0	0	0	0	0	0
PERNEM	Morgim	133	2	3	0	0	0	0	0	0	0
PERNEM	Morgim	188	5	0	0	2	0	0	0	2	0
PERNEM	Morgim	188	4	0	0	2	0	0	0	0	0
PERNEM	Morgim	206	11	0	1	0	0	0	0	0	0
PERNEM	Morgim	203	14	0	0	0	0	0	0	0	1
PERNEM	Morgim	125	12	1	0	0	0	0	0	0	0
PERNEM	Morgim	129	19	1	0	0	0	0	0	0	0
PERNEM	Morgim	129	18	1	0	0	0	0	0	0	0
PERNEM	Morgim	129	16	1	0	0	0	0	0	0	0
PERNEM	Morgim	203	33	0	0	1	0	0	0	0	0
PERNEM	Morgim	203	29	0	0	0	0	0	0	0	1
PERNEM	Morgim	203	35	0	0	0	0	0	0	0	1
PERNEM	Morgim	170	1	0	0	0	0	0	0	0	1
PERNEM	Morgim	128	2	1	0	0	0	0	0	0	0
PERNEM	Morgim	129	13	1	0	0	0	0	0	0	0
PERNEM	Morgim	130	18	0	0	1	0	0	0	0	0
PERNEM	Morgim	130	13	0	0	0	0	0	1	0	0



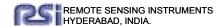
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
PERNEM	Morgim	130	14	1	0	0	0	0	1	0	0
PERNEM	Morgim	207	28	0	0	0	0	0	1	0	0
PERNEM	Morgim	207	15	0	0	1	0	0	0	0	0
PERNEM	Morgim	188	9	0	0	0	1	0	0	0	0
PERNEM	Morgim	175	44	0	0	1	0	0	0	0	0
PERNEM	Morgim	203	34	0	0	1	0	0	0	0	1
PERNEM	Morgim	188	3	0	0	1	0	0	0	0	0
PERNEM	Morgim	186	42	0	1	0	0	0	1	0	0
PERNEM	Morgim	187	36	0	0	1	0	0	0	0	0
PERNEM	Morgim	207	23	0	0	0	0	0	0	0	1
PERNEM	Morgim	187	15	0	0	0	0	0	0	1	0
PERNEM	Morgim	133	5	1	0	0	1	0	2	0	0
PERNEM	Querim	92	67	10	0	0	0	0	0	0	0
PERNEM	Querim	114	1-PART	2	0	0	0	0	1	0	0
PERNEM	Querim	103	1	23	0	2	0	3	6	0	2
PERNEM	Querim	115	1-K	0	1	0	0	0	0	0	0
PERNEM	Querim	94	1	1	0	0	0	0	0	0	0
PERNEM	Querim	112	2	14	0	2	0	0	1	0	0
PERNEM	Querim	116	1	4	0	3	0	0	0	0	0
PERNEM	Querim	103	49	0	0	0	0	0	1	0	0
PERNEM	Querim	106	16	0	0	1	0	0	0	0	1
PERNEM	Querim	93	3	1	0	0	0	0	2	0	1
PERNEM	Querim	104	1	1	1	1	0	0	0	0	0
PERNEM	Querim	105	1	7	0	0	0	0	2	0	0
PERNEM	Querim	115	1	12	1	1	1	0	1	2	0
PERNEM	Querim	92	35	0	0	0	0	0	0	0	1
PERNEM	Querim	114	1-A	0	0	0	0	0	0	0	2
PERNEM	Querim	116	2	0	0	2	0	0	0	0	0
PERNEM	Querim	115	1-A	1	0	0	0	0	0	0	0
PERNEM	Querim	93	73	0	0	0	0	0	0	0	1
PERNEM	Querim	106	14	0	0	0	0	0	0	0	1
PERNEM	Querim	114	1-H	2	0	0	0	0	1	0	0
PERNEM	Querim	115	1-D	1	0	0	0	0	3	0	0
PERNEM	Querim	115	1(PART)	1	0	0	0	0	0	0	0
PERNEM	Querim	115	1-B	0	1	0	0	0	0	0	0
PERNEM	Querim	115	1-I	2	0	1	0	0	0	0	0
PERNEM	Querim	114	1-F	1	0	0	0	0	0	0	1
PERNEM	Querim	114	1-G	0	0	0	0	1	0	0	0
PERNEM	Querim	114	1	1	0	0	0	1	0	0	1
PERNEM	Querim	114	1-D	0	0	0	0	0	1	0	0
PERNEM	Querim	115	1-G	0	0	2	0	0	0	0	0
PERNEM	Querim	115	1-J	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	345	7	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	334	2	3	0	1	0	0	2	0	0
BARDEZ	Anjuna	345	3	1	0	1	0	0	0	0	0



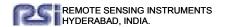
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Anjuna	347	1	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	121	14	0	0	0	0	0	0	1	0
BARDEZ	Anjuna	123	14	2	0	1	0	0	1	0	1
BARDEZ	Anjuna	137	7	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	168	5	1	0	0	0	0	0	1	0
BARDEZ	Anjuna	156	3	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	163	4	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	152	3	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	143	2	1	0	0	0	0	1	0	0
BARDEZ	Anjuna	152	2	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	333	1	0	0	0	0	0	10	0	0
BARDEZ	Anjuna	45	42	1	0	1	0	0	0	0	0
BARDEZ	Anjuna	45	1	2	0	1	1	0	0	1	0
BARDEZ	Anjuna	45	5	0	0	0	1	0	0	0	0
BARDEZ	Anjuna	45	7	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	238	1	1	0	0	0	0	0	1	0
BARDEZ	Anjuna	218	8	1	0	0	0	0	0	1	0
BARDEZ	Anjuna	218	1	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	220	3	0	0	0	0	0	0	1	0
BARDEZ	Anjuna	144	3	2	1	0	0	0	0	0	0
BARDEZ	Anjuna	156	1	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	157	-	1	0	0	0	0	0	1	0
BARDEZ	Anjuna	150	_	3	0	0	0	0	1	0	0
BARDEZ	Anjuna	164	1	1	0	0	0	0	1	0	0
BARDEZ	Anjuna	45	34	0	0	1	0	0	0	0	0
BARDEZ	Anjuna	143	3	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	352	2	2	0	0	0	0	1	0	0
BARDEZ	Anjuna	143	1	3	1	0	0	0	0	0	0
BARDEZ	Anjuna	166	1	1	0	0	0	0	1	2	0
BARDEZ	Anjuna	168	1	1	0	1	0	0	0	0	0
BARDEZ	Anjuna	334	1	3	0	0	0	0	0	0	0
BARDEZ	Anjuna	346	2	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	343	21	1	0	1	0	0	0	0	0
BARDEZ	Anjuna	148	148	0	1	0	0	0	0	0	0
BARDEZ	Anjuna	159	1	1	0	0	0	0	1	0	0
BARDEZ	Anjuna	163	1	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	334	6	1	0	0	1	0	0	0	0
BARDEZ	Anjuna	334	10	0	1	0	0	0	0	0	0
BARDEZ	Anjuna	235	1	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	234	1	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	235	5	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	327	3	1	0	0	0	0	2	0	0
BARDEZ	Anjuna	230	6	0	0	0	1	0	1	0	0
BARDEZ	Anjuna	348	1	1	1	0	0	0	0	0	0
BARDEZ	Anjuna	334	4	2	0	2	0	0	0	0	0



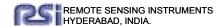
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Anjuna	206	1-B	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	237	-	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	237	1	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	236	8	3	0	0	0	0	0	0	0
BARDEZ	Anjuna	49	4	0	0	1	0	0	0	0	0
BARDEZ	Anjuna	45	15	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	49	20	0	0	1	0	0	0	0	0
BARDEZ	Anjuna	353	1	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	120	1	11	0	0	0	0	0	0	1
BARDEZ	Anjuna	170	2	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	342	6	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	343	15	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	343	15-A	1	0	0	0	0	1	0	0
BARDEZ	Anjuna	351	1	3	0	0	0	0	0	0	0
BARDEZ	Anjuna	352	3	1	0	1	0	0	0	0	1
BARDEZ	Anjuna	229	1	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	232	4	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	326	1	0	0	4	0	0	0	0	0
BARDEZ	Anjuna	162	5	0	1	0	2	0	0	0	0
BARDEZ	Anjuna	145	1	4	0	0	0	0	0	0	1
BARDEZ	Anjuna	162	4	1	0	0	1	0	0	0	0
BARDEZ	Anjuna	356	7	16	0	2	0	0	3	0	0
BARDEZ	Anjuna	359	3	7	0	0	0	0	0	0	0
BARDEZ	Anjuna	167	3	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	140	1	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	142	142	1	1	0	0	0	1	0	0
BARDEZ	Anjuna	33	33	3	0	0	0	0	0	0	1
BARDEZ	Anjuna	31	8	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	45	29	1	0	0	1	0	0	2	0
BARDEZ	Anjuna	31	7	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	45	48	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	45	31	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	45	27	0	0	0	1	0	0	0	0
BARDEZ	Anjuna	123	10	0	0	0	0	0	0	1	1
BARDEZ	Anjuna	144	11	0	0	1	0	0	0	0	0
BARDEZ	Anjuna	34	1	1	0	0	0	0	1	0	0
BARDEZ	Anjuna	34	2	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	30	7	0	0	1	0	0	1	0	0
BARDEZ	Anjuna	158	1	2	0	0	0	0	2	0	0
BARDEZ	Anjuna	149	-	3	0	0	0	0	1	0	0
BARDEZ	Anjuna	165	1	3	0	0	0	0	1	0	0
BARDEZ	Anjuna	167	1	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	299	14	2	0	0	3	0	0	0	0
BARDEZ	Anjuna	299	13	0	1	0	0	0	0	0	0
BARDEZ	Anjuna	299	10	0	0	0	0	0	0	0	1



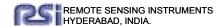
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Anjuna	218	12	2	0	0	1	0	0	0	0
BARDEZ	Anjuna	206	1	1	1	0	0	0	2	1	0
BARDEZ	Anjuna	235	10	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	235	10-A	0	0	1	2	0	1	0	0
BARDEZ	Anjuna	60	24	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	179	-	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	210	4	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	124	1	0	0	0	2	0	0	1	0
BARDEZ	Anjuna	121	13	0	0	0	1	0	0	0	0
BARDEZ	Anjuna	123	11	0	0	1	0	0	0	0	0
BARDEZ	Anjuna	145	1-A	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	154	1	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	161	1	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	144	1	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	137	12	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	153	2	3	0	0	0	0	0	0	0
BARDEZ	Anjuna	229	4	2	0	0	0	0	1	0	0
BARDEZ	Anjuna	144	9	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	121	67	1	0	0	1	0	0	0	0
BARDEZ	Anjuna	353	3	1	1	0	0	0	0	0	0
BARDEZ	Anjuna	353	5	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	358	2	22	1	2	0	0	3	0	1
BARDEZ	Anjuna	356	8	0	2	0	0	0	2	0	0
BARDEZ	Anjuna	358	2-B	0	1	0	0	0	0	0	0
BARDEZ	Anjuna	359	23	13	0	1	0	0	1	2	1
BARDEZ	Anjuna	238	3-A	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	121	31	0	0	0	0	0	1	1	0
BARDEZ	Anjuna	137	4	2	0	0	0	0	1	0	0
BARDEZ	Anjuna	156	2	2	0	0	0	0	1	0	0
BARDEZ	Anjuna	232	1	0	0	0	1	1	0	0	0
BARDEZ	Anjuna	48	31	2	0	0	0	0	1	0	0
BARDEZ	Anjuna	47	30	0	0	0	0	0	1	1	0
BARDEZ	Anjuna	51	45	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	48	1	1	0	0	0	0	3	0	0
BARDEZ		47	6	0	1	0	2	0	0	0	0
BARDEZ	Anjuna	235	6	1	0	0	0	0	0	1	0
BARDEZ	Anjuna	235			0		0	0		0	
	Anjuna		4	1		0			1		0
BARDEZ	Anjuna	234	2	0 2	0	0	0	0	0	0	1
BARDEZ	Anjuna	354	8		0	1	0	0	2	0	0
BARDEZ	Anjuna	358	2-A	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	139	9	1	1	0	0	0	1	0	0
BARDEZ	Anjuna	238	6	3	0	0	0	0	0	0	0
BARDEZ	Anjuna	237	5	0	0	0	0	0	1	1	0
BARDEZ	Anjuna	218	9	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	159	2	2	0	0	0	0	0	0	0



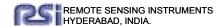
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Anjuna	137	3	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	168	2	3	0	0	0	0	0	0	0
BARDEZ	Anjuna	147	147	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	137	5	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	166	2	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	345	1PART	1	0	1	0	0	0	0	0
BARDEZ	Anjuna	236	3	1	0	0	0	0	0	1	1
BARDEZ	Anjuna	219	7	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	140	2	1	0	6	0	0	0	0	0
BARDEZ	Anjuna	140	3	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	169	1	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	358	3	1	0	0	0	0	1	0	0
BARDEZ	Anjuna	206	1-D	3	0	0	0	0	1	0	0
BARDEZ	Anjuna	239	_	0	1	0	0	0	0	0	0
BARDEZ	Anjuna	354	9	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	45	16	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	48	24	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	31	1	2	0	0	0	0	1	0	0
BARDEZ	Anjuna	31	2	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	51	6	0	1	0	0	0	0	0	0
BARDEZ	Anjuna	66	59	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	299	15	0	0	0	0	1	0	0	0
BARDEZ	Anjuna	210	2	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	60	23	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	160	2	1	0	0	0	0	1	0	0
BARDEZ	Anjuna	170	5	1	0	0	1	0	2	0	0
BARDEZ	Anjuna	143	4	1	0	0	0	0	1	0	0
BARDEZ	Anjuna	136	69	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	121	10	0	0	0	0	0	3	0	0
BARDEZ	Anjuna	121	40	0	1	0	0	0	0	0	0
BARDEZ	Anjuna	167	4	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	163	2	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	152	1	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	333	2	2	0	0	0	1	4	0	0
BARDEZ	Anjuna	146	146	0	0	0	0	0	0	1	0
BARDEZ	Anjuna	359	2	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	359	<u></u>	0	1	0	0	0	0	0	0
BARDEZ	Anjuna	151	151	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	138	2	1	0	1	0	0	0	0	0
BARDEZ	Anjuna	218	5	1	0	1	0	0	1	0	0
BARDEZ	Anjuna	218	6	1	0	0	0	0	1	0	0
BARDEZ	Anjuna	235	3	1	0	0	0	0	1	0	0
BARDEZ	Anjuna	235	4	1	0	0	0	0	1	0	0
BARDEZ	Anjuna	45	10	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	30	4	1	0	0	0	0	0	0	0



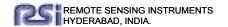
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Anjuna	45	38	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	45	45	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	50	11	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	299	6	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	50	19	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	299	7	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	48	16	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	50	7	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	50	24	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	48	14	2	0	0	0	0	1	0	0
BARDEZ	Anjuna	47	24	0	0	2	0	0	0	0	0
BARDEZ	Anjuna	47	26	1	0	0	0	0	1	0	0
BARDEZ	Anjuna	51	2	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	299	1	5	0	0	0	0	0	0	0
BARDEZ	Anjuna	299	2	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	50	3	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	50	23	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	50	29	0	1	0	0	0	0	0	0
BARDEZ	Anjuna	232	3	0	1	0	0	0	0	0	0
BARDEZ	Anjuna	328	2	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	329	14	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	230	5	0	0	0	1	0	0	0	0
BARDEZ	Anjuna	233	1	0	0	0	2	0	0	0	0
BARDEZ	Anjuna	230	4	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	230	3	1	0	0	0	0	0	0	1
BARDEZ	Anjuna	232	6	0	0	0	0	0	0	0	1
BARDEZ	Anjuna	45	23	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	45	22	0	0	0	0	0	2	0	0
BARDEZ	Anjuna	49	6	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	45	24	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	45	41	0	0	1	0	0	0	0	0
BARDEZ	Anjuna	161	2	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	151	-	3	0	0	0	0	0	0	0
BARDEZ	Anjuna	35	2	1	1	2	1	0	0	0	0
BARDEZ	Anjuna	347	2	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	121	8	0	0	0	1	0	0	0	0
BARDEZ	Anjuna	597	5	1	0	1	0	0	0	0	0
BARDEZ	Anjuna	48	4	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	48	2	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	50	1	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	45	35	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	45	44	0	0	0	0	0	0	2	0
BARDEZ	Anjuna	121	12	0	0	0	1	0	0	0	0
BARDEZ	Anjuna	327	1	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	238	5	1	0	0	0	0	0	0	0



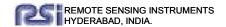
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Anjuna	238	4	2	0	0	0	0	1	0	0
BARDEZ	Anjuna	218	7	3	0	0	0	0	0	0	0
BARDEZ	Anjuna	45	32	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	342	7	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	345	10	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	343	22	1	0	0	0	0	0	0	1
BARDEZ	Anjuna	342	3	1	0	0	0	0	1	0	0
BARDEZ	Anjuna	343	17	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	235	14	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	220	2	1	0	1	0	0	2	0	0
BARDEZ	Anjuna	219	4	1	1	0	0	0	0	0	0
BARDEZ	Anjuna	155	1	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	162	1	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	218	3	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	218	4	1	0	0	0	0	0	1	0
BARDEZ	Anjuna	353	7	3	0	0	0	0	0	0	0
BARDEZ	Anjuna	219	1	1	0	2	0	0	0	0	0
BARDEZ	Anjuna	220	1	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	235	8	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	233	3	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	352	1	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	220	4	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	236	4	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	299	12	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	299	4	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	162	2	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	219	2	1	0	1	0	0	0	0	0
BARDEZ	Anjuna	358	2-E	0	0	1	0	0	0	0	0
BARDEZ	Anjuna	236	7	0	1	0	0	0	0	0	0
BARDEZ	Anjuna	326	3	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	236	1	1	0	0	0	0	1	0	0
BARDEZ	Anjuna	219	9	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	326	2	0	0	1	0	0	0	0	0
BARDEZ	Anjuna	51	5	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	51	7	0	1	0	0	0	0	0	0
BARDEZ	Anjuna	51	20	0	0	0	0	0	0	1	0
BARDEZ	Anjuna	50	6	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	50	5	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	51	15	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	237	4	3	0	0	0	0	0	2	0
BARDEZ	Anjuna	136	64	2	0	0	0	0	0	0	0
BARDEZ	Anjuna	299	8	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	353	4	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	219	6	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	237	6	0	1	0	0	0	0	0	0



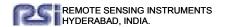
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Anjuna	218	2	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	218	15-A	0	0	1	0	0	0	0	0
BARDEZ	Anjuna	219	3	1	0	0	0	0	0	0	0
BARDEZ	Anjuna	218	13	0	0	0	0	0	1	0	0
BARDEZ	Anjuna	218	ı	2	0	1	0	0	0	0	0
BARDEZ	Anjuna	218	11	1	0	0	0	0	0	0	0
BARDEZ	Calangute	161	1	17	6	4	0	1	4	0	0
BARDEZ	Calangute	162	8	6	0	0	0	0	0	0	0
BARDEZ	Calangute	172	28	4	0	0	0	0	1	0	0
BARDEZ	Calangute	170	8	2	0	0	0	0	1	0	0
BARDEZ	Calangute	173	1	11	1	1	5	0	7	0	1
BARDEZ	Calangute	180	4	0	0	0	0	0	1	0	0
BARDEZ	Calangute	181	1	0	0	1	0	0	3	1	2
BARDEZ	Calangute	175	20	1	2	0	0	0	2	0	1
BARDEZ	Calangute	178	11	2	0	0	0	0	0	0	0
BARDEZ	Calangute	207	2	2	0	0	0	0	0	0	0
BARDEZ	Calangute	204	1	5	4	1	0	0	0	0	0
BARDEZ	Calangute	170	6	2	0	0	0	0	2	0	0
BARDEZ	Calangute	176	11	2	0	0	0	0	0	0	0
BARDEZ	Calangute	176	23	1	0	0	0	0	0	0	0
BARDEZ	Calangute	201	12	2	0	0	0	0	4	0	0
BARDEZ	Calangute	205	5	1	0	0	0	0	3	0	0
BARDEZ	Calangute	241	16	1	0	0	1	0	0	0	0
BARDEZ	Calangute	240	1	16	3	2	0	0	6	0	0
BARDEZ	Calangute	175	1	2	0	0	0	0	0	0	0
BARDEZ	Calangute	176	20	1	0	1	1	0	1	0	0
BARDEZ	Calangute	177	1	1	0	0	0	0	0	0	0
BARDEZ	Calangute	200	8	1	2	0	0	0	1	0	0
BARDEZ	Calangute	149	20	1	0	0	0	0	1	0	0
BARDEZ	Calangute	158	7	1	0	0	0	0	1	0	0
BARDEZ	Calangute	202	2	3	1	4	0	0	0	0	0
BARDEZ	Calangute	205	14	4	1	1	0	0	2	1	0
BARDEZ	Calangute	202	1	1	0	1	0	0	1	0	0
BARDEZ	Calangute	205	12	3	0	0	0	0	0	0	0
BARDEZ	Calangute	176	22	1	1	0	0	0	0	0	0
BARDEZ	Calangute	177	10	0	0	0	0	0	1	0	0
BARDEZ	Calangute	201	9	3	0	0	0	0	1	0	0
BARDEZ	Calangute	201	10-B	1	0	0	0	0	0	0	0
BARDEZ	Calangute	201	10	6	0	2	0	0	0	1	1
BARDEZ	Calangute	147	11	1	0	1	0	0	0	0	0
BARDEZ	Calangute	147	13	1	0	3	0	0	0	0	0
BARDEZ	Calangute	143	14	1	0	0	0	0	0	0	0
BARDEZ	Calangute	178	5	1	0	0	0	0	2	0	0
BARDEZ	Calangute	162	1	0	0	0	0	0	1	0	0
BARDEZ	Calangute	172	23	3	1	0	0	0	1	0	0



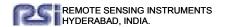
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Calangute	205	1	5	0	2	0	0	3	1	0
BARDEZ	Calangute	205	6	2	0	0	0	0	1	0	0
BARDEZ	Calangute	317	3	11	0	0	0	0	0	0	3
BARDEZ	Calangute	141	11	1	0	1	0	0	0	0	0
BARDEZ	Calangute	141	7	0	0	1	0	0	0	0	0
BARDEZ	Calangute	142	9	3	0	0	0	0	0	1	0
BARDEZ	Calangute	141	2	0	0	1	0	0	0	0	0
BARDEZ	Calangute	142	4	1	0	0	0	0	0	0	0
BARDEZ	Calangute	140	9	0	0	0	0	0	0	0	2
BARDEZ	Calangute	155	10	1	1	0	0	0	4	0	0
BARDEZ	Calangute	157	-	6	1	2	0	0	3	0	0
BARDEZ	Calangute	176	7	2	0	0	0	0	0	0	0
BARDEZ	Calangute	141	1	4	2	6	0	0	0	0	0
BARDEZ	Calangute	159	4	10	1	0	0	0	7	0	0
BARDEZ	Calangute	210	11	1	0	0	0	0	0	1	1
BARDEZ	Calangute	213	3	0	0	0	0	0	1	0	0
BARDEZ	Calangute	143	3	0	0	0	0	0	2	0	0
BARDEZ	Calangute	146	16	0	0	1	0	0	0	0	0
BARDEZ	Calangute	162	9	1	0	0	0	0	1	0	0
BARDEZ	Calangute	172	25	3	0	0	0	0	1	0	1
BARDEZ	Calangute	259	2	6	0	0	0	0	0	2	0
BARDEZ	Calangute	261	1	5	0	0	1	0	0	0	1
BARDEZ	Calangute	142	1	0	0	0	0	0	1	0	0
BARDEZ	Calangute	142	2	0	0	0	0	0	1	0	0
BARDEZ	Calangute	146	37	1	0	0	0	0	0	0	0
BARDEZ	Calangute	146	36	0	0	0	0	0	1	0	0
BARDEZ	Calangute	207	6	1	0	0	0	0	1	3	0
BARDEZ	Calangute	207	3-A	1	0	0	0	0	0	0	0
BARDEZ	Calangute	159	3	5	0	3	0	0	3	0	0
BARDEZ	Calangute	159	4-PART	1	0	0	0	0	0	0	0
BARDEZ	Calangute	176	13	3	0	1	0	0	0	0	0
BARDEZ	Calangute	177	7	1	2	0	0	0	0	1	0
BARDEZ	Calangute	176	8	1	0	0	0	0	1	0	0
BARDEZ	Calangute	176	12	0	0	0	0	0	1	0	0
BARDEZ	Calangute	171	3	1	0	0	0	0	0	0	0
BARDEZ	Calangute	201	25	8	0	0	0	0	4	0	0
BARDEZ	Calangute	172	24	2	0	0	0	0	1	0	1
BARDEZ	Calangute	170	11	1	0	0	0	0	0	0	1
BARDEZ	Calangute	146	32	0	0	0	0	0	0	2	0
BARDEZ	Calangute	146	34	1	1	0	0	0	0	0	0
BARDEZ	Calangute	147	8	0	0	0	0	0	1	0	0
BARDEZ	Calangute	147	6	0	0	0	0	0	1	0	0
BARDEZ	Calangute	131	8	1	0	0	0	0	0	0	2
BARDEZ	Calangute	130	5	0	0	1	0	0	0	0	0
BARDEZ	Calangute	178	13	1	0	0	0	0	1	0	0



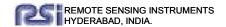
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Calangute	178	7	1	0	0	0	0	0	0	0
BARDEZ	Calangute	178	8	1	0	0	0	0	2	0	0
BARDEZ	Calangute	177	6	2	0	0	0	0	0	0	0
BARDEZ	Calangute	200	11	3	0	0	0	0	3	0	0
BARDEZ	Calangute	201	24	1	0	0	0	0	1	0	0
BARDEZ	Calangute	200	1	2	0	0	0	0	0	0	0
BARDEZ	Calangute	283	5	6	0	0	0	0	0	0	0
BARDEZ	Calangute	258	6	2	0	0	1	0	1	0	0
BARDEZ	Calangute	258	3	1	0	1	0	0	0	0	0
BARDEZ	Calangute	259	9	1	0	0	0	0	0	0	0
BARDEZ	Calangute	259	12	1	0	0	0	0	0	0	1
BARDEZ	Calangute	258	1	1	0	1	0	0	0	0	0
BARDEZ	Calangute	258	4	1	1	2	2	0	0	0	0
BARDEZ	Calangute	261	3	1	0	0	0	0	0	0	0
BARDEZ	Calangute	175	15	0	0	0	0	0	1	0	0
BARDEZ	Calangute	178	25	2	0	0	0	0	0	0	0
BARDEZ	Calangute	178	21	2	0	0	0	0	1	0	0
BARDEZ	Calangute	209	3	0	1	0	0	0	0	0	0
BARDEZ	Calangute	209	5	7	0	0	0	0	2	0	0
BARDEZ	Calangute	170	13	1	0	0	0	0	0	0	0
BARDEZ	Calangute	180	7	2	0	0	0	0	2	0	0
BARDEZ	Calangute	158	1	1	0	0	0	0	1	0	0
BARDEZ	Calangute	316	11	3	0	0	0	0	1	0	0
BARDEZ	Calangute	316	8	2	0	0	0	0	0	0	1
BARDEZ	Calangute	201	13	0	0	0	0	0	1	0	0
BARDEZ	Calangute	201	14	0	0	0	0	0	1	0	0
BARDEZ	Calangute	201	6	2	0	0	0	0	0	0	0
BARDEZ	Calangute	201	18	1	0	3	0	0	1	0	0
BARDEZ	Calangute	203	1	4	0	0	0	0	0	0	0
BARDEZ	Calangute	248	20	3	0	3	3	0	1	0	0
BARDEZ	Calangute	152	1	1	0	0	0	0	1	0	0
BARDEZ	Calangute	171	2	3	4	0	0	0	0	4	0
BARDEZ	Calangute	158	1-A	1	0	0	0	0	0	0	0
BARDEZ	Calangute	170	10	4	0	0	0	0	0	0	0
BARDEZ	Calangute	258	2	1	1	1	1	0	0	0	0
BARDEZ	Calangute	259	10	0	1	0	0	0	0	0	0
BARDEZ	Calangute	261	8	5	0	0	0	0	0	1	0
BARDEZ	Calangute	261	5	1	0	0	0	0	0	0	0
BARDEZ	Calangute	131	1	2	0	2	0	0	0	0	0
BARDEZ	Calangute	128	18	0	0	0	0	0	1	0	0
BARDEZ	Calangute	128	14	0	0	0	0	0	1	0	0
BARDEZ	Calangute	128	17	0	0	0	0	0	1	0	0
BARDEZ	Calangute	131	17	1	0	0	0	0	0	0	0
BARDEZ	Calangute	156	8	1	0	0	0	0	1	0	1
BARDEZ	Calangute	133	13	0	0	1	0	0	0	0	0



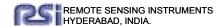
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Calangute	133	8-A	0	0	2	0	0	0	0	0
BARDEZ	Calangute	133	2	0	0	0	0	0	1	0	0
BARDEZ	Calangute	135	6	0	0	1	0	0	0	0	0
BARDEZ	Calangute	135	2	1	0	0	0	0	0	0	0
BARDEZ	Calangute	136	-	3	0	3	0	0	0	0	0
BARDEZ	Calangute	142	16	4	0	0	0	0	0	0	0
BARDEZ	Calangute	152	3	2	0	0	0	0	0	0	0
BARDEZ	Calangute	149	24	0	0	0	0	0	2	0	0
BARDEZ	Calangute	158	10	1	0	0	0	0	0	0	0
BARDEZ	Calangute	158	4-A	1	0	0	0	0	0	0	0
BARDEZ	Calangute	175	9	1	0	0	0	0	3	0	0
BARDEZ	Calangute	172	6	0	0	0	0	0	1	0	0
BARDEZ	Calangute	172	7	1	0	0	0	0	0	0	0
BARDEZ	Calangute	172	9	0	1	0	0	0	1	0	0
BARDEZ	Calangute	171	1	2	0	0	0	0	3	0	0
BARDEZ	Calangute	178	20	0	0	0	0	0	1	0	0
BARDEZ	Calangute	178	19	2	0	0	0	0	1	0	0
BARDEZ	Calangute	175	8	1	0	0	0	0	0	0	0
BARDEZ	Calangute	175	7	0	0	0	0	0	1	0	1
BARDEZ	Calangute	178	12	0	1	0	0	0	1	0	0
BARDEZ	Calangute	178	10	0	0	0	0	0	0	0	1
BARDEZ	Calangute	178	6	1	0	0	0	0	0	0	0
BARDEZ	Calangute	200	3	1	0	0	0	0	1	0	0
BARDEZ	Calangute	178	1	1	0	0	0	0	2	0	0
BARDEZ	Calangute	176	15	0	0	0	0	0	1	0	0
BARDEZ	Calangute	177	9	0	0	0	0	0	1	0	0
BARDEZ	Calangute	259	3	0	0	1	0	0	0	0	0
BARDEZ	Calangute	259	5	1	0	0	0	0	0	0	0
BARDEZ	Calangute	259	7	1	0	0	0	0	0	0	0
BARDEZ	Calangute	261	7	1	0	0	0	0	0	0	0
BARDEZ	Calangute	261	6	1	0	0	0	0	0	0	0
BARDEZ	Calangute	261	9	1	0	0	0	0	0	0	0
BARDEZ	Calangute	199	13	1	0	0	0	0	0	0	0
BARDEZ	Calangute	199	15	1	0	0	0	0	0	0	0
BARDEZ	Calangute	199	17	1	0	0	0	0	0	0	0
BARDEZ	Calangute	141	10	2	0	0	0	0	3	0	0
BARDEZ	Calangute	140	8	0	0	1	0	0	0	0	0
BARDEZ	Calangute	159	5	1	0	0	0	0	1	0	0
BARDEZ	Calangute	148	2	3	0	5	0	0	0	2	1
BARDEZ	Calangute	151	4	0	0	0	0	0	1	0	0
BARDEZ	Calangute	150	14	2	0	0	0	0	0	0	0
BARDEZ	Calangute	150	5	0	0	0	0	0	0	1	0
BARDEZ	Calangute	243	5	1	0	0	0	0	0	0	0
BARDEZ	Calangute	248	c/128/11 8	0	0	0	0	2	0	0	0



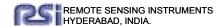
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Calangute	200	9	1	0	0	0	0	0	0	0
BARDEZ	Calangute	205	2	1	0	0	0	0	0	0	0
BARDEZ	Calangute	204	1-A	0	0	2	0	0	0	0	0
BARDEZ	Calangute	209	7	1	0	0	0	0	0	0	1
BARDEZ	Calangute	209	8	3	0	0	0	0	0	0	0
BARDEZ	Calangute	133	11	1	0	0	0	0	0	0	0
BARDEZ	Calangute	176	14	4	0	0	0	0	0	0	0
BARDEZ	Calangute	176	5	1	0	0	0	0	0	0	0
BARDEZ	Calangute	176	6	1	0	0	0	0	0	0	0
BARDEZ	Calangute	141	22	0	1	0	0	0	0	0	0
BARDEZ	Calangute	141	19	2	0	4	0	0	0	0	1
BARDEZ	Calangute	177	16	0	0	0	0	0	1	0	0
BARDEZ	Calangute	177	23	1	0	0	0	0	0	0	0
BARDEZ	Calangute	176	24	0	0	0	0	0	2	0	0
BARDEZ	Calangute	128	3	2	0	0	0	0	0	0	0
BARDEZ	Calangute	150	9	1	0	0	0	0	0	0	0
BARDEZ	Calangute	149	8	3	0	0	0	0	0	0	0
BARDEZ	Calangute	150	1	1	0	0	0	0	0	0	0
BARDEZ	Calangute	158	8	0	0	0	0	0	1	0	0
BARDEZ	Calangute	156	4	4	0	0	0	0	2	0	0
BARDEZ	Calangute	242	8	0	0	0	0	0	2	0	0
BARDEZ	Calangute	135	7	0	0	0	0	0	1	0	0
BARDEZ	Calangute	133	6	0	0	1	0	0	0	0	0
BARDEZ	Calangute	135	1	2	0	0	0	0	0	0	0
BARDEZ	Calangute	135	11	0	1	1	0	0	0	0	0
BARDEZ	Calangute	134	1	1	0	1	0	0	0	0	0
BARDEZ	Calangute	137	4	0	0	1	0	0	0	0	0
BARDEZ	Calangute	137	3	0	0	2	0	0	0	0	0
BARDEZ	Calangute	142	23	1	0	4	0	0	0	1	0
BARDEZ	Calangute	163	1	1	0	0	0	0	0	0	0
BARDEZ	Calangute	170	3	0	0	0	0	0	1	0	0
BARDEZ	Calangute	174	22	2	0	0	0	0	0	0	2
BARDEZ	Calangute	180	8	0	0	0	0	0	1	0	0
BARDEZ	Calangute	180	9	0	0	0	0	0	0	0	1
BARDEZ	Calangute	174	12	1	0	0	0	0	0	1	0
BARDEZ	Calangute	174	9-A	2	0	0	0	0	0	0	0
BARDEZ	Calangute	146	18	0	0	0	0	0	1	0	0
BARDEZ	Calangute	146	11	0	0	1	0	0	0	0	0
BARDEZ	Calangute	146	14	0	1	0	0	0	0	0	0
BARDEZ	Calangute	146	10	2	0	0	0	0	1	0	0
BARDEZ	Calangute	146	3P	1	0	1	0	0	0	0	0
BARDEZ	Calangute	151	19	0	0	1	0	0	0	0	0
BARDEZ	Calangute	146	1	1	0	1	0	0	0	0	0
BARDEZ	Calangute	146	8	0	0	1	0	0	0	0	0
BARDEZ	Calangute	257	14	1	0	0	0	0	0	0	0



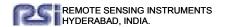
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Calangute	258	1-A	2	0	0	0	0	0	0	0
BARDEZ	Calangute	243	1	1	0	0	0	0	0	0	0
BARDEZ	Calangute	207	9	1	0	0	0	0	0	2	0
BARDEZ	Calangute	212	3	1	0	0	0	0	0	2	0
BARDEZ	Calangute	212	1	6	0	0	0	0	0	0	0
BARDEZ	Calangute	238	18	3	0	0	0	0	1	0	1
BARDEZ	Calangute	238	9	2	0	2	0	0	0	0	0
BARDEZ	Calangute	228	1	5	0	0	0	0	0	0	0
BARDEZ	Calangute	243	16	1	0	0	0	0	0	0	0
BARDEZ	Calangute	241	17	1	0	0	0	0	0	0	0
BARDEZ	Calangute	180	2	1	0	0	0	0	0	0	0
BARDEZ	Calangute	178	31	1	0	0	0	0	0	0	0
BARDEZ	Calangute	228	3	3	0	0	0	0	0	0	0
BARDEZ	Calangute	229	1	11	0	0	0	0	0	0	0
BARDEZ	Calangute	244	7	2	0	0	0	0	1	0	0
BARDEZ	Calangute	131	13	1	0	0	0	0	0	0	0
BARDEZ	Calangute	130	16	1	0	0	0	0	0	0	0
BARDEZ	Calangute	128	2	1	0	0	0	0	0	0	0
BARDEZ	Calangute	200	2	2	0	0	0	0	1	0	0
BARDEZ	Calangute	130	13	1	0	0	0	0	0	0	0
BARDEZ	Calangute	131	11	0	0	0	0	0	1	0	0
BARDEZ	Calangute	159	4-B	0	0	0	0	0	3	0	0
BARDEZ	Calangute	159	4-C	1	0	0	0	0	0	0	0
BARDEZ	Calangute	147	4	1	0	0	0	0	0	0	0
BARDEZ	Calangute	147	5	1	0	0	0	0	0	0	0
BARDEZ	Calangute	146	28	0	0	0	0	0	2	0	0
BARDEZ	Calangute	147	2	0	1	0	0	0	0	0	0
BARDEZ	Calangute	200	15	1	0	0	0	0	1	1	0
BARDEZ	Calangute	200	6	1	0	0	0	0	0	0	0
BARDEZ	Calangute	210	10	4	3	0	0	0	0	1	0
BARDEZ	Calangute	132	16	1	0	0	0	0	0	0	0
BARDEZ	Calangute	131	12	1	0	0	0	0	0	1	0
BARDEZ	Calangute	131	6	0	0	1	0	0	0	0	0
BARDEZ	Calangute	200	18	0	1	0	0	0	0	0	0
BARDEZ	Calangute	178	28	0	0	0	0	0	1	0	0
BARDEZ	Calangute	178	27	0	2	0	0	0	0	0	0
BARDEZ	Calangute	316	19	2	0	0	0	0	0	0	0
BARDEZ	Calangute	317	2	2	0	0	1	0	0	0	0
BARDEZ	Calangute	155	6	1	0	0	0	0	0	0	0
BARDEZ	Calangute	156	1	1	0	0	0	0	0	0	0
BARDEZ	Calangute	155	4	1	0	0	0	0	0	0	0
BARDEZ	Calangute	164	1	1	0	0	0	0	0	0	0
BARDEZ	Calangute	172	30	1	0	0	0	0	0	0	0
BARDEZ	Calangute	141	18	1	0	2	0	0	0	0	0
BARDEZ	Calangute	142	24	1	0	0	0	0	0	0	0



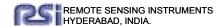
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Calangute	229	3	2	0	1	0	0	0	0	0
BARDEZ	Calangute	211	1	7	0	2	0	0	0	0	0
BARDEZ	Calangute	238	25	1	0	0	0	0	0	0	1
BARDEZ	Calangute	239	7	0	0	1	0	0	0	0	0
BARDEZ	Calangute	239	5	1	0	1	0	0	0	0	0
BARDEZ	Calangute	238	1	1	0	0	0	0	0	0	1
BARDEZ	Calangute	240	11	2	0	1	0	0	0	0	0
BARDEZ	Calangute	240	14	0	0	0	0	0	1	0	0
BARDEZ	Calangute	238	4	2	0	0	0	0	0	0	0
BARDEZ	Calangute	316	14	1	0	1	0	0	0	0	0
BARDEZ	Calangute	248	4	1	0	0	0	0	1	0	0
BARDEZ	Calangute	316	15	1	0	0	0	0	0	0	0
BARDEZ	Calangute	316	16	0	0	0	0	0	1	0	0
BARDEZ	Calangute	129	4	0	0	1	0	0	0	0	0
BARDEZ	Calangute	129	3	2	0	0	0	0	0	0	0
BARDEZ	Calangute	128	26	1	0	0	0	0	0	0	0
BARDEZ	Calangute	128	27	1	0	0	0	0	0	0	0
BARDEZ	Calangute	150	2	1	0	0	0	0	0	0	0
BARDEZ	Calangute	149	3	1	0	0	0	0	0	0	0
BARDEZ	Calangute	180	6	1	0	0	0	0	0	0	0
BARDEZ	Calangute	174	28	0	0	0	0	0	3	0	2
BARDEZ	Calangute	174	27	1	0	0	0	0	1	0	3
BARDEZ	Calangute	174	6	1	0	0	0	0	0	0	0
BARDEZ	Calangute	175	6	2	0	0	0	0	0	0	0
BARDEZ	Calangute	207	1	3	1	0	0	0	1	0	0
BARDEZ	Calangute	208	1	12	1	0	0	0	0	0	0
BARDEZ	Calangute	142	19	0	0	0	0	0	0	1	0
BARDEZ	Calangute	141	17	1	0	1	0	0	0	0	0
BARDEZ	Calangute	158	5	3	0	1	0	0	2	0	0
BARDEZ	Calangute	158	6	1	0	0	0	0	0	0	0
BARDEZ	Calangute	158	2	1	0	0	0	0	0	0	0
BARDEZ	Calangute	158	3	1	0	0	0	0	0	0	0
BARDEZ	Calangute	129	2	2	0	1	0	0	0	0	0
BARDEZ	Calangute	135	8	1	0	0	0	0	0	0	0
BARDEZ	Calangute	213	5	1	0	0	0	0	0	0	0
BARDEZ	Calangute	244	2	2	0	0	0	0	0	0	0
BARDEZ	Calangute	243	8	1	0	0	0	0	1	0	0
BARDEZ	Calangute	241	13	2	0	0	1	0	2	0	0
BARDEZ	Calangute	242	6	1	0	0	0	0	0	0	0
BARDEZ	Calangute	180	1-A	2	0	0	0	0	0	0	0
BARDEZ	Calangute	179	4	1	0	0	0	0	0	0	0
BARDEZ	Calangute	179	5	5	0	0	0	0	0	0	1
BARDEZ	Calangute	175	11	2	0	0	0	0	1	0	0
BARDEZ	Calangute	178	15	2	0	0	0	0	0	0	1
BARDEZ	Calangute	141	16	1	0	0	0	0	0	0	0



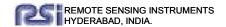
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Calangute	142	7	1	0	0	0	0	0	0	0
BARDEZ	Calangute	177	3	0	0	1	0	0	0	0	0
BARDEZ	Calangute	239	17	3	0	0	0	0	0	0	0
BARDEZ	Calangute	238	24	1	0	0	0	0	0	0	0
BARDEZ	Calangute	239	6	1	0	0	0	0	0	0	0
BARDEZ	Calangute	238	17	0	0	0	0	0	0	1	0
BARDEZ	Calangute	238	20	6	0	0	0	0	0	0	0
BARDEZ	Calangute	238	15	1	0	0	0	0	0	0	1
BARDEZ	Calangute	238	19	1	0	0	0	0	0	0	0
BARDEZ	Calangute	238	13	1	0	0	0	0	0	0	0
BARDEZ	Calangute	239	2	2	0	0	0	0	0	0	0
BARDEZ	Calangute	239	3	1	1	0	0	0	0	0	0
BARDEZ	Calangute	238	12	3	0	0	0	0	0	0	0
BARDEZ	Calangute	238	8	1	0	0	0	0	0	0	0
BARDEZ	Calangute	239	15	1	0	0	0	0	1	0	0
BARDEZ	Calangute	316	1	9	0	4	0	0	0	0	0
BARDEZ	Calangute	284	86	0	0	0	0	0	0	1	0
BARDEZ	Calangute	259	13	1	0	0	0	0	0	0	0
BARDEZ	Calangute	277	11	0	1	0	0	0	0	0	0
BARDEZ	Calangute	259	6	1	0	0	0	0	0	0	0
BARDEZ	Calangute	259	8	1	0	0	0	0	0	0	0
BARDEZ	Calangute	135	10	2	0	0	0	0	0	0	0
BARDEZ	Calangute	207	8	0	0	0	0	0	0	1	0
BARDEZ	Calangute	200	14	2	0	0	0	0	1	0	0
BARDEZ	Calangute	130	12	1	0	0	0	0	0	0	0
BARDEZ	Calangute	132	10	1	0	0	0	0	0	0	0
BARDEZ	Calangute	175	16	1	0	0	0	0	0	0	0
BARDEZ	Calangute	317	15	1	0	0	0	0	1	0	0
BARDEZ	Calangute	247	18	1	0	0	0	0	0	0	0
BARDEZ	Calangute	247	12	0	1	0	0	0	0	0	1
BARDEZ	Calangute	317	2-A	1	0	0	0	0	0	0	0
BARDEZ	Calangute	247	26	1	0	0	0	0	1	0	1
BARDEZ	Calangute	247	19	2	0	0	0	0	0	0	0
BARDEZ	Calangute	146	23	1	0	0	0	0	0	0	0
BARDEZ	Calangute	143	1	1	0	0	0	0	0	0	0
BARDEZ	Calangute	143	2	1	0	0	0	0	0	0	0
BARDEZ	Calangute	145	5	1	0	0	0	0	0	0	0
BARDEZ	Calangute	148	7	2	0	0	0	0	0	0	0
BARDEZ	Calangute	145	7	1	0	0	0	0	0	0	0
BARDEZ	Calangute	175	9-A	0	1	0	0	0	0	0	0
BARDEZ	Calangute	145	4	1	0	0	0	0	0	0	0
BARDEZ	Calangute	146	9	1	0	1	0	0	0	0	0
BARDEZ	Calangute	199	4	0	0	2	0	0	0	0	0
BARDEZ	Calangute	239	10	0	0	2	0	0	0	0	0
BARDEZ	Calangute	258	3-A	1	0	0	0	0	0	0	0



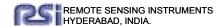
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Calangute	230	30	1	0	0	0	0	1	0	0
BARDEZ	Calangute	241	1	1	0	0	0	0	0	0	0
BARDEZ	Calangute	242	1P	5	3	4	0	0	2	0	0
BARDEZ	Calangute	244	20	0	0	1	0	0	0	0	0
BARDEZ	Calangute	243	13	0	1	0	0	0	0	0	0
BARDEZ	Calangute	230	1	1	0	0	0	0	1	0	0
BARDEZ	Calangute	241	2	2	1	2	0	0	0	0	0
BARDEZ	Calangute	243	3	2	0	2	0	0	0	0	0
BARDEZ	Calangute	240	3	0	1	0	0	0	0	0	0
BARDEZ	Calangute	240	4	0	0	1	0	0	1	0	0
BARDEZ	Calangute	241	23	0	0	0	1	0	0	0	0
BARDEZ	Calangute	240	5	0	0	3	0	0	0	0	0
BARDEZ	Calangute	200	10	1	0	0	0	0	0	0	0
BARDEZ	Calangute	178	3	1	0	0	0	0	0	0	0
BARDEZ	Calangute	176	19	5	0	0	0	0	2	0	0
BARDEZ	Calangute	176	16	0	0	0	0	0	1	1	0
BARDEZ	Calangute	177	21	0	0	0	0	0	1	0	0
BARDEZ	Calangute	170	17	0	0	0	0	0	1	0	0
BARDEZ	Calangute	170	18	1	0	0	0	0	0	0	0
BARDEZ	Calangute	171	4	2	0	0	0	0	0	0	0
BARDEZ	Calangute	132	2	0	0	0	0	0	0	0	1
BARDEZ	Calangute	173	5	0	1	0	0	0	0	0	0
BARDEZ	Calangute	179	3	1	0	0	0	0	1	0	0
BARDEZ	Calangute	175	10	1	0	0	0	0	0	0	0
BARDEZ	Calangute	175	12	0	0	0	0	0	1	0	0
BARDEZ	Calangute	199	18	1	0	0	0	0	0	0	0
BARDEZ	Calangute	199	10	2	0	0	0	0	0	0	0
BARDEZ	Calangute	199	8	1	0	0	0	0	0	0	0
BARDEZ	Calangute	206	10	1	0	0	0	0	0	0	0
BARDEZ	Calangute	207	3	2	0	0	0	0	0	0	0
BARDEZ	Calangute	164	3	1	0	0	0	0	0	0	0
BARDEZ	Calangute	319	3	0	0	0	0	0	0	0	1
BARDEZ	Calangute	245	3	2	0	0	0	0	0	0	0
BARDEZ	Calangute	246	1	1	0	0	0	0	0	0	0
BARDEZ	Calangute	246	6	2	0	0	0	0	2	0	0
BARDEZ	Calangute	132	5	1	0	0	0	0	0	0	0
BARDEZ	Calangute	128	13	1	0	0	0	0	0	0	0
BARDEZ	Calangute	128	8	1	0	0	0	0	1	0	0
BARDEZ	Calangute	128	20	0	1	0	0	0	0	0	0
BARDEZ	Calangute	132	21	1	0	0	0	0	0	0	0
BARDEZ	Calangute	132	20	1	0	0	0	0	0	0	0
BARDEZ	Calangute	174	2	2	0	0	0	0	3	0	0
BARDEZ	Calangute	138	8	0	0	1	0	0	0	0	0
BARDEZ	Calangute	130	3	0	0	0	0	0	0	0	1
BARDEZ	Calangute	138	6	1	0	0	0	0	0	0	1



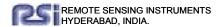
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Calangute	133	9	1	0	0	0	0	0	0	0
BARDEZ	Calangute	133	10	1	0	1	0	0	0	0	0
BARDEZ	Calangute	170	1	1	1	0	0	0	2	0	1
BARDEZ	Calangute	170	2	0	0	0	0	0	2	0	0
BARDEZ	Calangute	180	3	1	0	0	0	0	0	0	0
BARDEZ	Calangute	240	12	1	0	0	0	0	0	0	0
BARDEZ	Calangute	240	8	1	0	0	0	0	0	0	0
BARDEZ	Calangute	248	7	1	0	0	1	0	1	0	0
BARDEZ	Calangute	248	8	4	0	0	0	0	0	0	0
BARDEZ	Calangute	316	9	3	0	1	0	0	0	0	0
BARDEZ	Calangute	132	4	1	0	0	0	0	0	0	0
BARDEZ	Calangute	129	14	1	0	0	0	0	0	0	0
BARDEZ	Calangute	244	3	1	0	0	0	0	3	0	0
BARDEZ	Calangute	244	17	2	0	1	0	0	0	0	0
BARDEZ	Calangute	244	15	0	1	1	0	0	0	0	0
BARDEZ	Calangute	245	19	1	0	0	0	0	0	0	0
BARDEZ	Calangute	319	6	1	0	0	0	0	0	0	0
BARDEZ	Calangute	246	8	0	0	0	0	0	1	0	0
BARDEZ	Calangute	245	7	1	0	0	0	0	0	0	0
BARDEZ	Calangute	245	c/128/47	1	0	0	0	0	0	0	0
BARDEZ	Calangute	174	3	3	0	0	0	0	0	1	0
BARDEZ	Calangute	140	6	0	0	1	0	0	0	1	0
BARDEZ	Calangute	147	9	0	0	0	0	0	1	0	0
BARDEZ	Calangute	159	4-A	1	0	0	0	0	0	0	0
BARDEZ	Calangute	210	12	1	0	0	0	0	0	0	0
BARDEZ	Calangute	213	2	1	0	0	0	0	0	0	0
BARDEZ	Calangute	213	11	2	0	0	0	0	0	0	0
BARDEZ	Calangute	319	1	1	0	0	0	0	0	0	0
BARDEZ	Calangute	318	7	1	0	0	0	0	0	0	0
BARDEZ	Calangute	246	4	2	0	0	0	0	1	0	0
BARDEZ	Calangute	246	2	2	0	0	0	0	0	0	0
BARDEZ	Calangute	246	3	1	0	0	0	0	0	0	0
BARDEZ	Calangute	318	4	1	0	0	0	0	1	0	0
BARDEZ	Calangute	148	3	0	0	0	0	0	1	0	0
BARDEZ	Calangute	150	8	1	0	0	0	0	0	1	0
BARDEZ	Calangute	174	26	1	0	0	0	0	0	0	0
BARDEZ	Calangute	174	4	0	0	0	0	0	1	0	0
BARDEZ	Calangute	238	22	1	0	0	0	0	0	0	0
BARDEZ	Calangute	240	13	1	0	0	0	0	0	0	0
BARDEZ	Calangute	247	28	3	0	1	0	0	2	0	0
BARDEZ	Calangute	318	5	1	0	0	0	0	0	0	0
BARDEZ	Calangute	247	23	1	0	0	0	0	0	0	0
BARDEZ	Calangute	318	2	2	0	0	0	0	0	0	0
BARDEZ	Calangute	178	32	1	0	0	0	0	0	0	0
BARDEZ	Calangute	177	17	1	0	0	0	0	0	0	0



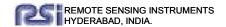
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Calangute	177	18	1	0	0	0	0	0	0	0
BARDEZ	Calangute	177	15	1	0	0	0	0	0	0	0
BARDEZ	Calangute	176	9	1	0	0	0	0	0	0	0
BARDEZ	Calangute	176	10	1	0	0	0	0	0	0	0
BARDEZ	Calangute	210	14	2	0	0	0	0	0	0	0
BARDEZ	Calangute	213	1	6	0	0	0	0	0	1	0
BARDEZ	Calangute	210	7	1	0	0	0	0	0	0	0
BARDEZ	Calangute	210	8	1	0	0	0	0	1	0	0
BARDEZ	Calangute	239	14	2	0	0	0	0	1	0	0
BARDEZ	Calangute	131	1-A	1	0	0	0	0	0	0	0
BARDEZ	Calangute	247	13	1	0	0	0	0	0	0	0
BARDEZ	Calangute	317	10	0	0	0	0	0	1	0	0
BARDEZ	Calangute	317	4	0	0	0	0	0	1	0	0
BARDEZ	Calangute	248	6	1	0	0	0	0	2	0	0
BARDEZ	Calangute	316	10	0	0	0	0	0	1	0	0
BARDEZ	Calangute	173	4	0	0	0	0	0	1	0	0
BARDEZ	Calangute	241	9	0	0	0	1	0	0	0	0
BARDEZ	Calangute	241	14	3	0	0	0	0	0	1	0
BARDEZ	Calangute	241	10	1	0	0	0	0	0	0	0
BARDEZ	Calangute	230	16	1	0	1	0	0	1	0	0
BARDEZ	Calangute	241	11	1	0	0	0	0	0	0	0
BARDEZ	Calangute	241	7	1	0	0	0	0	0	0	0
BARDEZ	Calangute	241	12	0	0	0	1	0	0	0	0
BARDEZ	Calangute	241	8	2	0	0	0	0	0	0	0
BARDEZ	Calangute	241	6	0	0	0	1	0	0	0	0
BARDEZ	Calangute	230	2	0	1	0	0	0	0	0	0
BARDEZ	Calangute	317	11	1	0	0	0	0	0	0	0
BARDEZ	Calangute	206	4	1	0	0	0	0	0	0	0
BARDEZ	Calangute	142	13	0	0	0	0	0	0	1	0
BARDEZ	Calangute	142	8	0	0	0	0	0	0	0	2
BARDEZ	Calangute	143	16	2	0	0	0	0	0	0	0
BARDEZ	Calangute	318	3	2	0	0	0	0	0	0	1
BARDEZ	Calangute	247	4	4	0	0	0	0	0	0	0
BARDEZ	Calangute	156	3	0	0	0	0	0	0	1	0
BARDEZ	Calangute	158	9	1	0	0	0	0	0	0	0
BARDEZ	Calangute	152	2	0	0	0	0	0	1	0	0
BARDEZ	Calangute	211	5	0	0	1	0	0	0	0	0
BARDEZ	Calangute	212	25	1	0	0	0	0	0	0	0
BARDEZ	Calangute	212	32	2	0	1	0	0	0	0	0
BARDEZ	Calangute	212	19	0	0	0	1	0	0	0	0
BARDEZ	Calangute	212	8	1	0	0	0	0	1	0	0
BARDEZ	Calangute	212	20	1	0	0	0	0	0	0	0
BARDEZ	Calangute	212	9	2	0	0	1	0	0	0	0
BARDEZ	Calangute	212	10	0	0	0	1	0	0	0	0
BARDEZ	Calangute	317	5	1	0	0	0	0	0	0	0



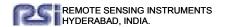
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Calangute	248	16	1	0	0	0	0	0	0	0
BARDEZ	Calangute	316	20	3	0	0	0	0	0	0	1
BARDEZ	Calangute	201	7	0	0	1	0	0	0	0	0
BARDEZ	Calangute	205	15	0	0	0	0	0	0	1	0
BARDEZ	Calangute	143	8	0	0	0	0	0	0	1	0
BARDEZ	Calangute	146	29	1	0	0	0	0	0	0	0
BARDEZ	Calangute	146	26	0	0	1	0	0	0	0	0
BARDEZ	Calangute	148	16	1	0	0	0	0	0	0	0
BARDEZ	Calangute	146	6	0	0	0	0	0	0	1	0
BARDEZ	Calangute	151	3	1	0	0	0	0	0	0	0
BARDEZ	Calangute	151	1	1	0	0	0	0	0	0	0
BARDEZ	Calangute	206	2	1	0	0	0	0	0	0	0
BARDEZ	Calangute	209	6	3	0	0	0	0	0	0	0
BARDEZ	Calangute	244	11	1	0	0	0	0	0	0	0
BARDEZ	Calangute	244	8	1	0	0	0	0	0	0	0
BARDEZ	Calangute	244	9	0	0	2	0	0	0	0	0
BARDEZ	Calangute	245	17	4	0	0	0	0	0	0	0
BARDEZ	Calangute	319	9	0	0	0	0	0	0	0	1
BARDEZ	Calangute	245	18	1	0	0	0	0	0	0	0
BARDEZ	Calangute	241	18	1	0	0	0	0	3	0	0
BARDEZ	Calangute	147	3	1	0	0	0	0	0	0	0
BARDEZ	Calangute	146	21	1	0	0	0	0	0	0	0
BARDEZ	Calangute	146	20	0	0	1	0	0	0	0	0
BARDEZ	Calangute	146	22	0	0	1	0	0	0	0	0
BARDEZ	Calangute	146	19	0	0	2	0	0	0	0	0
BARDEZ	Calangute	240	2	1	0	0	0	0	1	0	0
BARDEZ	Calangute	316	5	1	0	1	0	0	0	0	0
BARDEZ	Calangute	128	23	1	0	0	0	0	0	0	0
BARDEZ	Calangute	209	14	1	0	0	0	0	0	0	0
BARDEZ	Calangute	244	6	1	1	2	0	0	0	0	0
BARDEZ	Calangute	244	25	1	0	0	0	0	1	0	0
BARDEZ	Calangute	244	21	0	1	1	0	0	0	0	0
BARDEZ	Calangute	244	19	0	0	1	0	0	0	0	0
BARDEZ	Calangute	202	5	0	1	0	0	0	1	0	0
BARDEZ	Calangute	228	4	2	0	0	0	0	4	0	0
BARDEZ	Calangute	240	7	1	0	0	0	0	0	0	0
BARDEZ	Calangute	141	21	1	0	0	0	0	0	0	0
BARDEZ	Calangute	143	13	2	0	0	0	0	0	0	0
BARDEZ	Calangute	146	30	1	0	0	0	0	0	0	0
BARDEZ	Calangute	172	13	1	0	0	0	0	0	0	0
BARDEZ	Calangute	169		1	0	0	0	0	0	0	0
BARDEZ	Calangute	138	7	1	0	0	0	0	0	0	0
BARDEZ	Calangute	258	7	1	0	0	0	0	0	0	0
BARDEZ	Calangute	199	16	1	0	0	0	0	0	0	0
BARDEZ	Calangute	199	7	1	0	0	0	0	0	0	0



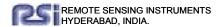
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Calangute	201	5	1	0	0	0	0	0	0	0
BARDEZ	Calangute	199	3	1	0	0	0	0	0	0	0
BARDEZ	Calangute	316	3	0	0	0	0	0	1	0	0
BARDEZ	Calangute	316	2	1	0	0	0	0	0	0	0
BARDEZ	Calangute	174	10	1	0	0	0	0	0	0	0
BARDEZ	Calangute	205	16	1	0	0	0	0	0	1	0
BARDEZ	Calangute	206	14	1	0	0	0	0	0	0	0
BARDEZ	Calangute	205	8	2	0	0	0	0	0	0	0
BARDEZ	Calangute	131	8-A	0	0	0	0	0	0	0	1
BARDEZ	Calangute	130	6	0	0	0	0	0	0	0	1
BARDEZ	Calangute	132	9	2	0	0	0	0	0	0	0
BARDEZ	Calangute	133	4	1	0	0	0	0	0	0	0
BARDEZ	Calangute	138	3	1	0	0	0	0	0	0	0
BARDEZ	Calangute	134	5	0	0	1	0	0	0	0	0
BARDEZ	Calangute	134	4	2	0	0	0	0	0	0	0
BARDEZ	Calangute	141	20	1	0	0	0	0	0	0	0
BARDEZ	Calangute	238	6	2	0	0	0	0	0	0	0
BARDEZ	Calangute	131	14	0	1	0	0	0	0	0	0
BARDEZ	Calangute	132	14	1	0	0	0	0	0	0	0
BARDEZ	Calangute	129	15	1	0	0	0	0	0	0	0
BARDEZ	Calangute	128	19	1	0	0	0	0	0	0	0
BARDEZ	Calangute	128	11	1	0	0	0	0	0	0	0
BARDEZ	Calangute	241	20	1	0	0	0	0	1	0	0
BARDEZ	Calangute	201	4	1	0	0	0	0	0	0	0
BARDEZ	Calangute	209	10	1	0	0	0	0	0	0	0
BARDEZ	Calangute	209	4	1	0	0	0	0	0	0	0
BARDEZ	Calangute	210	15	2	0	1	0	0	2	0	0
BARDEZ	Calangute	209	19	1	0	0	0	0	0	0	0
BARDEZ	Calangute	213	7	1	0	0	0	0	0	0	0
BARDEZ	Calangute	212	21	1	0	0	0	0	0	0	0
BARDEZ	Calangute	212	4	1	0	0	0	0	0	0	0
BARDEZ	Calangute	212	5	1	0	0	0	0	0	0	0
BARDEZ	Calangute	241	5	1	0	0	0	0	0	0	0
BARDEZ	Calangute	241	4	3	0	0	0	0	0	0	0
BARDEZ	Calangute	149	23	1	0	0	0	0	0	0	0
BARDEZ	Calangute	243	9	1	0	0	0	0	1	0	0
BARDEZ	Calangute	243	10	3	0	0	0	0	0	0	0
BARDEZ	Calangute	243	11	1	1	0	0	0	0	0	0
BARDEZ	Calangute	243	2	1	0	0	0	0	0	1	0
BARDEZ	Calangute	243	7	1	0	0	0	0	0	0	0
BARDEZ	Calangute	207	10	1	0	0	0	0	0	0	0
BARDEZ	Calangute	206	1	0	0	0	0	0	1	0	0
BARDEZ	Calangute	319	5	0	0	0	0	0	0	0	1
BARDEZ	Calangute	247	28-A	1	0	0	0	0	0	0	0
BARDEZ	Calangute	318	6	0	0	0	0	0	0	0	1



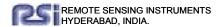
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Calangute	247	24	1	0	0	0	0	0	0	0
BARDEZ	Calangute	317	18	1	0	0	0	0	0	0	0
BARDEZ	Calangute	317	9	2	0	0	0	0	0	0	0
BARDEZ	Calangute	247	16	1	0	0	0	0	0	0	0
BARDEZ	Calangute	247	15	1	0	0	0	0	0	0	0
BARDEZ	Calangute	317	7	1	0	0	0	0	0	0	0
BARDEZ	Calangute	317	8	0	0	0	0	0	0	0	1
BARDEZ	Calangute	247	5	1	0	0	0	0	0	0	0
BARDEZ	Calangute	248	11	1	0	0	0	0	0	0	0
BARDEZ	Calangute	316	13	1	0	0	0	0	0	0	0
BARDEZ	Calangute	249	6	0	0	0	0	0	2	0	0
BARDEZ	Calangute	243	12	0	0	0	0	0	1	0	0
BARDEZ	Calangute	244	12	1	0	2	0	0	0	0	0
BARDEZ	Calangute	150	10	0	0	0	0	0	2	0	0
BARDEZ	Calangute	150	12	0	0	0	0	0	1	0	0
BARDEZ	Calangute	151	6	0	0	0	0	0	1	0	0
BARDEZ	Calangute	242	9	1	0	0	0	0	0	0	0
BARDEZ	Calangute	241	24	1	0	0	0	0	1	0	0
BARDEZ	Calangute	241	19	0	1	0	0	0	0	0	0
BARDEZ	Calangute	231	4	0	0	2	0	0	0	0	0
BARDEZ	Calangute	231	1	0	0	0	0	0	1	0	0
BARDEZ	Calangute	241	21	0	0	0	1	0	0	0	0
BARDEZ	Calangute	242	2	0	1	0	0	0	0	0	0
BARDEZ	Calangute	242	10	2	0	0	0	0	0	0	0
BARDEZ	Calangute	202	6	0	0	1	0	0	1	0	0
BARDEZ	Calangute	132	6	1	0	0	0	0	0	0	0
BARDEZ	Calangute	131	4	0	0	0	0	0	0	0	1
BARDEZ	Calangute	201	15	1	0	0	0	0	0	0	0
BARDEZ	Calangute	204	2	0	0	1	0	0	0	0	0
BARDEZ	Calangute	238	16	1	0	0	0	0	0	0	0
BARDEZ	Calangute	238	5	1	0	0	0	0	0	0	0
BARDEZ	Calangute	158	4	1	0	0	0	0	0	0	0
BARDEZ	Calangute	172	18	1	0	0	0	0	0	0	0
BARDEZ	Calangute	205	17	0	0	1	0	0	0	0	0
BARDEZ	Calangute	205	18	0	0	1	0	0	0	0	0
BARDEZ	Calangute	207	4	1	0	0	0	0	0	0	0
BARDEZ	Calangute	206	7	1	0	0	0	0	0	0	0
BARDEZ	Calangute	149	5	1	0	1	0	0	0	0	0
BARDEZ	Calangute	242	12	1	0	1	0	0	0	0	0
BARDEZ	Calangute	142	10	1	0	1	0	0	0	0	0
BARDEZ	Candolim	160	4	1	0	0	0	0	0	0	0
BARDEZ	Candolim	27	3	0	0	2	0	0	0	0	0
BARDEZ	Candolim	116	1	0	0	0	8	0	0	0	0
BARDEZ	Candolim	121	10	0	0	0	1	0	0	0	0
BARDEZ	Candolim	42	14	0	0	0	0	0	1	0	0



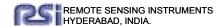
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Candolim	120	14	1	0	0	0	0	0	0	1
BARDEZ	Candolim	120	2	1	0	0	0	0	0	0	0
BARDEZ	Candolim	26	_	8	0	0	0	0	1	0	0
BARDEZ	Candolim	136	8	1	0	0	0	0	1	0	0
BARDEZ	Candolim	136	4 PT	1	1	0	0	0	2	0	0
BARDEZ	Candolim	150	3-B	1	0	2	0	0	0	0	0
BARDEZ	Candolim	150	1	2	0	1	0	0	3	0	0
BARDEZ	Candolim	157	1	7	0	1	3	0	1	0	0
BARDEZ	Candolim	160	7	3	0	0	0	0	3	0	0
BARDEZ	Candolim	140	4	0	0	2	0	0	0	0	0
BARDEZ	Candolim	144	21	0	0	1	0	0	0	0	0
BARDEZ	Candolim	142	1	5	3	3	0	0	3	0	0
BARDEZ	Candolim	140	1	0	0	1	0	0	0	0	0
BARDEZ	Candolim	156	7	1	0	0	0	0	0	0	1
BARDEZ	Candolim	115	9	2	0	7	0	1	2	0	1
BARDEZ	Candolim	113	1	4	3	2	0	0	6	0	1
BARDEZ	Candolim	114	6	0	0	0	0	0	2	0	1
BARDEZ	Candolim	114	4	0	0	0	0	0	1	0	0
BARDEZ	Candolim	51	2	3	0	0	0	0	2	0	0
BARDEZ	Candolim	139	1PT	2	0	0	0	0	0	0	0
BARDEZ	Candolim	139	3	0	0	0	0	0	1	0	0
BARDEZ	Candolim	108	10	5	0	0	0	0	1	0	0
BARDEZ	Candolim	98	-	18	0	0	0	0	0	0	1
BARDEZ	Candolim	128	5	0	0	1	0	0	0	0	0
BARDEZ	Candolim	132	4	1	0	0	0	0	0	0	0
BARDEZ	Candolim	131	4	1	0	0	0	0	0	0	0
BARDEZ	Candolim	133	1	5	0	0	0	0	2	0	1
BARDEZ	Candolim	134	6	3	0	1	0	0	0	0	0
BARDEZ	Candolim	121	1	1	0	0	0	0	0	1	0
BARDEZ	Candolim	127	7	0	0	0	0	0	1	0	0
BARDEZ	Candolim	127	11	0	0	0	0	0	1	0	0
BARDEZ	Candolim	24	1P	1	0	0	0	0	0	1	0
BARDEZ	Candolim	127	7-A	0	0	0	0	0	1	0	0
BARDEZ	Candolim	123	3P	0	0	0	0	0	2	0	0
BARDEZ	Candolim	141	7	0	0	0	0	0	0	1	0
BARDEZ	Candolim	141	2	1	0	4	0	0	1	0	0
BARDEZ	Candolim	144	15	0	0	1	0	0	0	0	0
BARDEZ	Candolim	42	13	1	0	0	0	0	0	0	0
BARDEZ	Candolim	138	18	2	0	0	0	0	0	0	0
BARDEZ	Candolim	138	9	0	0	1	0	0	0	0	0
BARDEZ	Candolim	138	6	1	0	0	0	0	0	0	0
BARDEZ	Candolim	142	9	1	0	1	0	0	1	0	0
BARDEZ	Candolim	142	2	1	0	0	0	0	0	0	0
BARDEZ	Candolim	141	5	0	0	1	0	0	0	0	0
BARDEZ	Candolim	150	7	2	1	1	0	0	0	0	0



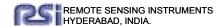
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Candolim	150	3	0	0	1	0	0	0	0	0
BARDEZ	Candolim	150	5	3	0	0	0	0	0	0	0
BARDEZ	Candolim	114	7	1	0	0	0	0	3	0	0
BARDEZ	Candolim	114	3	1	0	0	0	0	0	0	0
BARDEZ	Candolim	51	1	2	0	1	0	0	0	0	0
BARDEZ	Candolim	44	2	1	1	1	0	0	1	0	0
BARDEZ	Candolim	44	3	1	0	4	0	0	0	0	0
BARDEZ	Candolim	153	14	2	0	0	0	0	1	0	0
BARDEZ	Candolim	151	-	5	0	1	0	0	2	0	0
BARDEZ	Candolim	157	4	1	0	0	0	0	2	0	0
BARDEZ	Candolim	157	1-B	1	0	0	0	0	0	0	0
BARDEZ	Candolim	160	5	2	0	0	0	0	0	0	0
BARDEZ	Candolim	168	6	1	0	0	0	0	0	0	4
BARDEZ	Candolim	138	13	1	0	3	0	0	0	0	0
BARDEZ	Candolim	141	4	0	0	1	0	0	0	0	0
BARDEZ	Candolim	150	3-D	0	0	0	0	0	1	0	0
BARDEZ	Candolim	150	2	4	0	0	0	0	0	0	0
BARDEZ	Candolim	114	1	0	0	0	0	0	0	0	4
BARDEZ	Candolim	44	4	3	1	2	0	0	0	0	1
BARDEZ	Candolim	44	1	1	1	3	0	0	0	0	0
BARDEZ	Candolim	157	2	1	0	0	0	0	1	0	0
BARDEZ	Candolim	156	6	1	0	0	0	0	0	0	1
BARDEZ	Candolim	157	1-D	1	0	0	0	0	0	0	0
BARDEZ	Candolim	159	17	1	0	0	0	0	0	0	0
BARDEZ	Candolim	159	16	1	0	0	0	0	0	0	0
BARDEZ	Candolim	159	13	1	0	0	0	0	0	0	0
BARDEZ	Candolim	160	6	1	0	0	0	0	0	0	0
BARDEZ	Candolim	141	3	1	0	0	0	0	0	0	0
BARDEZ	Candolim	127	8	0	0	0	0	0	1	0	0
BARDEZ	Candolim	253	1	0	0	1	0	0	0	0	0
BARDEZ	Candolim	138	15	1	0	0	0	0	0	0	0
BARDEZ	Candolim	138	17	3	0	0	0	0	0	0	0
BARDEZ	Candolim	141	1	1	0	0	0	0	0	0	0
BARDEZ	Candolim	146	6	1	0	0	0	0	0	0	0
BARDEZ	Candolim	25	7	1	0	1	1	0	0	0	0
BARDEZ	Candolim	107	_	8	0	0	0	0	1	1	0
BARDEZ	Candolim	25	6	0	0	5	0	0	0	0	0
BARDEZ	Candolim	25	5	0	0	2	0	0	0	0	0
BARDEZ	Candolim	123	5	1	0	0	0	0	2	0	0
BARDEZ	Candolim	108	12	1	1	0	0	0	2	0	0
BARDEZ	Candolim	63	4	0	0	0	1	0	0	0	0
BARDEZ	Candolim	144	20	0	0	0	0	0	1	0	0
BARDEZ	Candolim	105	6	3	0	0	1	0	0	0	0
BARDEZ	Candolim	76	1	0	0	1	0	0	0	1	0
BARDEZ	Candolim	106	-	4	0	1	0	0	3	0	0



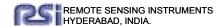
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Candolim	63	7	1	0	0	0	0	1	0	0
BARDEZ	Candolim	158	2	3	0	0	1	0	4	0	0
BARDEZ	Candolim	24	4	0	0	0	0	0	0	1	0
BARDEZ	Candolim	110	1	1	0	0	0	0	0	0	0
BARDEZ	Candolim	116	14	2	0	0	0	0	0	0	0
BARDEZ	Candolim	113	1-E	2	0	0	0	0	0	0	0
BARDEZ	Candolim	104	1	19	1	3	2	0	0	0	0
BARDEZ	Candolim	110	11	9	0	0	0	0	0	0	0
BARDEZ	Candolim	157	26	1	0	0	0	0	0	0	0
BARDEZ	Candolim	157	20	1	0	0	0	0	1	1	0
BARDEZ	Candolim	146	4-C	1	0	0	0	0	0	0	0
BARDEZ	Candolim	52	1	0	2	3	0	0	0	0	0
BARDEZ	Candolim	135	4	2	0	0	0	0	0	1	0
BARDEZ	Candolim	135	5	0	1	3	0	0	0	0	0
BARDEZ	Candolim	136	2	1	0	0	0	0	1	0	0
BARDEZ	Candolim	135	3	0	0	0	0	0	0	1	0
BARDEZ	Candolim	141	8	1	0	0	0	0	0	0	0
BARDEZ	Candolim	146	1	1	0	4	0	0	0	0	0
BARDEZ	Candolim	144	1	0	0	0	0	0	2	0	0
BARDEZ	Candolim	62	2	1	0	0	0	0	0	0	0
BARDEZ	Candolim	110	10	4	0	0	0	0	1	1	0
BARDEZ	Candolim	168	7	1	0	3	0	0	0	0	0
BARDEZ	Candolim	153	6	3	0	0	0	0	0	0	0
BARDEZ	Candolim	153	2	1	0	0	0	0	1	0	0
BARDEZ	Candolim	153	3	1	0	0	0	0	0	1	0
BARDEZ	Candolim	155	9	2	0	1	0	0	2	2	0
BARDEZ	Candolim	155	2	12	0	3	0	0	7	0	1
BARDEZ	Candolim	162	19	2	0	0	0	0	0	0	0
BARDEZ	Candolim	161	9	2	0	3	0	0	0	0	0
BARDEZ	Candolim	162	17	2	0	1	0	0	1	0	0
BARDEZ	Candolim	168	11	1	1	0	0	0	0	0	0
BARDEZ	Candolim	168	E 33/10	2	0	0	0	0	1	0	0
BARDEZ	Candolim	160	3	3	0	1	0	0	0	0	0
BARDEZ	Candolim	105	4	1	0	0	0	0	0	0	0
BARDEZ	Candolim	105	3	0	0	0	0	0	1	0	0
BARDEZ	Candolim	105	2	1	0	0	0	0	1	0	0
BARDEZ	Candolim	76	2	6	0	0	0	0	1	2	0
BARDEZ	Candolim	127	12	1	0	0	0	0	0	0	0
BARDEZ	Candolim	103	1-A	3	0	0	0	0	0	1	0
BARDEZ	Candolim	117	7	0	0	0	0	0	1	0	0
BARDEZ	Candolim	117	11	0	0	0	0	0	1	0	0
BARDEZ	Candolim	43	18	1	1	0	0	0	0	1	0
BARDEZ	Candolim	25	1	3	0	0	0	0	0	0	0
BARDEZ	Candolim	121	2	1	0	0	0	0	0	2	0
BARDEZ	Candolim	135	9	2	0	0	0	0	0	1	0



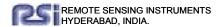
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Candolim	136	16	2	0	0	0	0	2	0	0
BARDEZ	Candolim	135	7	1	0	0	0	0	1	0	0
BARDEZ	Candolim	108	7	1	0	0	0	0	0	0	0
BARDEZ	Candolim	109	9	4	0	0	0	0	0	0	0
BARDEZ	Candolim	109	7-B	0	0	0	1	0	0	0	0
BARDEZ	Candolim	162	26	1	0	5	0	0	1	0	0
BARDEZ	Candolim	43	22	1	0	0	0	0	0	0	0
BARDEZ	Candolim	43	17	0	0	0	0	0	1	0	0
BARDEZ	Candolim	116	12	1	0	0	0	0	0	0	0
BARDEZ	Candolim	119	5	0	0	0	0	0	0	1	0
BARDEZ	Candolim	43	6	0	2	0	0	0	0	0	0
BARDEZ	Candolim	116	10	1	0	0	0	0	0	0	0
BARDEZ	Candolim	43	5	0	0	0	0	0	2	0	0
BARDEZ	Candolim	116	11	0	0	0	0	0	1	0	0
BARDEZ	Candolim	155	10	1	0	0	0	0	1	0	0
BARDEZ	Candolim	155	1	2	0	0	0	0	0	1	0
BARDEZ	Candolim	146	4-D	0	0	0	0	0	1	0	0
BARDEZ	Candolim	144	10	3	1	0	0	0	5	0	0
BARDEZ	Candolim	146	3-B	1	0	0	0	0	0	0	0
BARDEZ	Candolim	146	3	2	0	0	0	0	2	0	0
BARDEZ	Candolim	145	3	1	0	0	0	0	1	0	0
BARDEZ	Candolim	146	1-A	0	0	1	0	0	0	0	0
BARDEZ	Candolim	145	1	0	0	0	0	0	0	1	0
BARDEZ	Candolim	224	1	0	0	1	0	0	0	0	0
BARDEZ	Candolim	135	15	3	0	0	0	0	0	1	0
BARDEZ	Candolim	135	8	1	0	0	0	0	0	0	0
BARDEZ	Candolim	135	1	1	0	2	0	0	0	0	0
BARDEZ	Candolim	111	13	0	0	0	2	0	0	0	0
BARDEZ	Candolim	158	3	2	0	0	1	0	4	1	0
BARDEZ	Candolim	158	4	0	1	2	0	0	0	0	0
BARDEZ	Candolim	122	1	17	0	0	0	0	0	0	0
BARDEZ	Candolim	127	9	0	0	0	0	0	1	0	0
BARDEZ	Candolim	127	10-B	0	0	0	0	0	1	0	0
BARDEZ	Candolim	128	1	1	0	0	0	0	0	0	0
BARDEZ	Candolim	62	1	1	0	0	0	0	1	0	0
BARDEZ	Candolim	109	3	2	0	0	0	0	1	0	0
BARDEZ	Candolim	52	10	2	0	0	0	0	0	0	0
BARDEZ	Candolim	52	9	1	0	0	0	0	0	0	0
BARDEZ	Candolim	110	7	3	0	3	0	0	0	0	0
BARDEZ	Candolim	138	2	1	1	19	0	0	0	0	0
BARDEZ	Candolim	142	8	1	0	0	0	0	0	0	0
BARDEZ	Candolim	142	10	1	0	0	0	0	0	0	0
BARDEZ	Candolim	155	3	2	0	0	0	0	0	0	0
BARDEZ	Candolim	144	13	1	0	0	0	0	2	0	0
BARDEZ	Candolim	111	14	0	0	0	0	0	1	0	0



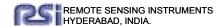
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Candolim	113	2	0	1	0	0	0	0	0	0
BARDEZ	Candolim	113	1-D	0	1	1	0	0	1	0	0
BARDEZ	Candolim	115	4	0	0	0	0	0	1	0	1
BARDEZ	Candolim	121	4	0	0	0	0	0	0	1	0
BARDEZ	Candolim	111	10	1	0	0	0	0	0	0	0
BARDEZ	Candolim	111	7	0	0	0	0	0	1	0	0
BARDEZ	Candolim	111	1	2	0	0	0	0	1	0	0
BARDEZ	Candolim	113	1-C	4	1	0	0	0	0	1	0
BARDEZ	Candolim	51	3	2	0	0	0	0	0	0	0
BARDEZ	Candolim	113	1-B	1	0	1	0	0	0	0	0
BARDEZ	Candolim	139	2	2	0	0	0	0	0	0	0
BARDEZ	Candolim	144	18	2	0	0	0	0	0	0	1
BARDEZ	Candolim	144	3	1	0	0	0	0	1	0	0
BARDEZ	Candolim	148	6	2	0	0	0	0	1	0	0
BARDEZ	Candolim	125	1	3	0	0	0	0	1	0	1
BARDEZ	Candolim	129	9	2	0	0	0	0	0	0	0
BARDEZ	Candolim	128	6	1	0	0	0	0	1	0	0
BARDEZ	Candolim	131	2	1	0	0	0	0	0	0	0
BARDEZ	Candolim	134	4	1	0	0	0	0	1	0	0
BARDEZ	Candolim	135	12	0	0	0	0	0	1	0	0
BARDEZ	Candolim	135	13	2	0	0	0	0	0	0	0
BARDEZ	Candolim	138	1	3	0	2	0	0	1	0	0
BARDEZ	Candolim	155	8	0	0	2	0	0	0	0	0
BARDEZ	Candolim	109	4	0	0	0	0	0	1	0	0
BARDEZ	Candolim	109	2	1	0	2	0	0	0	0	0
BARDEZ	Candolim	110	6	0	0	2	0	0	3	0	0
BARDEZ	Candolim	109	1	0	0	2	0	0	0	0	0
BARDEZ	Candolim	52	7	0	0	1	0	0	0	0	0
BARDEZ	Candolim	110	3	1	0	1	0	0	1	0	0
BARDEZ	Candolim	52	5	1	0	1	0	0	0	0	0
BARDEZ	Candolim	52	3	1	0	0	0	0	1	0	0
BARDEZ	Candolim	111	12	0	1	0	0	0	0	0	0
BARDEZ	Candolim	112	17	1	0	0	0	0	0	3	0
BARDEZ	Candolim	108	11	1	0	0	0	0	0	0	0
BARDEZ	Candolim	110	9	1	0	0	0	0	0	0	0
BARDEZ	Candolim	144	7A	2	0	0	0	0	0	0	0
BARDEZ	Candolim	149	6	0	0	1	0	0	0	0	0
BARDEZ	Candolim	149	2	2	0	0	0	0	1	0	0
BARDEZ	Candolim	149	4	1	0	0	0	0	0	0	0
BARDEZ	Candolim	148	5	1	0	7	0	0	2	2	0
BARDEZ	Candolim	149	3	1	0	3	0	0	1	0	0
BARDEZ	Candolim	157	1pt	0	0	0	1	0	0	0	0
BARDEZ	Candolim	168	8	2	0	0	0	0	0	0	0
BARDEZ	Candolim	167	3 PT	3	0	0	0	0	2	0	1
BARDEZ	Candolim	152	2	1	0	0	0	0	0	0	0



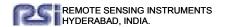
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Candolim	152	1	0	1	0	0	0	1	0	0
BARDEZ	Candolim	108	6	2	0	0	0	0	2	1	0
BARDEZ	Candolim	110	13	1	0	0	0	0	0	1	0
BARDEZ	Candolim	110	12-A	1	0	0	0	0	1	0	0
BARDEZ	Candolim	109	7	1	0	0	0	0	0	0	0
BARDEZ	Candolim	109	5	3	0	0	0	0	0	0	0
BARDEZ	Candolim	120	15	1	0	0	0	0	0	0	0
BARDEZ	Candolim	120	12	1	0	0	0	0	0	0	0
BARDEZ	Candolim	120	3	1	0	0	0	0	0	0	0
BARDEZ	Candolim	222	8	0	0	0	0	0	0	0	1
BARDEZ	Candolim	150	3-E	0	0	1	0	0	0	0	0
BARDEZ	Candolim	160	3-A	2	0	0	0	0	0	0	0
BARDEZ	Candolim	159	1	3	0	0	0	0	0	2	0
BARDEZ	Candolim	161	10	2	0	1	0	0	0	0	0
BARDEZ	Candolim	165	1	8	0	0	0	0	0	1	1
BARDEZ	Candolim	167	4	1	0	0	0	0	1	0	0
BARDEZ	Candolim	91	-	6	0	0	0	0	0	0	0
BARDEZ	Candolim	117	4	1	0	0	0	0	0	0	0
BARDEZ	Candolim	43	11	1	0	0	0	0	0	0	0
BARDEZ	Candolim	43	2	1	0	0	0	0	1	0	0
BARDEZ	Candolim	42	12	1	0	0	0	0	0	0	0
BARDEZ	Candolim	159	11	5	0	0	0	0	0	0	0
BARDEZ	Candolim	150	5-A	0	1	0	0	0	0	0	0
BARDEZ	Candolim	158	6	0	1	0	0	0	0	0	0
BARDEZ	Candolim	162	16	3	0	0	0	0	0	0	0
BARDEZ	Candolim	162	8	1	0	0	0	0	0	0	0
BARDEZ	Candolim	162	3	2	0	0	0	0	0	0	0
BARDEZ	Candolim	162	27	1	0	0	0	0	0	0	0
BARDEZ	Candolim	164	19	10	0	1	0	0	0	0	0
BARDEZ	Candolim	163	3	1	0	0	0	0	0	0	0
BARDEZ	Candolim	164	10	1	0	0	0	0	0	0	0
BARDEZ	Candolim	163	4	2	0	0	0	0	0	0	0
BARDEZ	Candolim	164	7	1	0	3	0	0	0	0	0
BARDEZ	Candolim	1	9	0	0	0	0	0	4	0	0
BARDEZ	Candolim	112	14	0	0	0	0	0	1	0	0
BARDEZ	Candolim	112	15	1	0	0	0	0	0	0	0
BARDEZ	Candolim	51	8	1	1	0	0	0	1	0	1
BARDEZ	Candolim	112	5	2	0	0	0	0	0	0	0
BARDEZ	Candolim	51	7	2	0	0	0	0	1	0	1
BARDEZ	Candolim	51	9	0	1	0	0	0	0	0	0
BARDEZ	Candolim	158	5	3	0	0	0	0	0	0	0
BARDEZ	Candolim	157	19	0	0	0	1	0	0	0	0
BARDEZ	Candolim	157	18	0	0	0	0	0	1	0	0
BARDEZ	Candolim	157	14	1	0	0	0	0	0	0	0
BARDEZ	Candolim	157	15	1	1	0	0	0	0	0	0



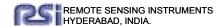
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Candolim	102	4	1	0	0	0	0	0	0	0
BARDEZ	Candolim	96	_	5	0	0	0	0	0	0	0
BARDEZ	Candolim	167	7	1	0	0	0	0	0	0	0
BARDEZ	Candolim	127	14	1	0	0	0	0	0	0	0
BARDEZ	Candolim	128	4	1	1	2	0	0	1	0	0
BARDEZ	Candolim	2	1	1	0	1	0	0	0	0	0
BARDEZ	Candolim	135	17	0	1	0	0	0	1	0	0
BARDEZ	Candolim	136	23	0	0	0	0	0	1	0	0
BARDEZ	Candolim	135	16	0	0	0	0	0	0	1	0
BARDEZ	Candolim	135	11	0	0	0	0	0	1	0	0
BARDEZ	Candolim	135	12-A	1	0	0	0	0	0	0	0
BARDEZ	Candolim	1	3	1	0	0	0	0	0	0	0
BARDEZ	Candolim	1	1	1	0	0	0	0	0	0	0
BARDEZ	Candolim	135	6	1	0	0	0	0	0	0	0
BARDEZ	Candolim	226	11	1	0	0	0	0	0	0	0
BARDEZ	Candolim	158	1-B	1	0	0	0	0	0	0	0
BARDEZ	Candolim	157	1-G	1	0	0	0	0	0	0	0
BARDEZ	Candolim	156	5	1	0	0	0	0	0	0	0
BARDEZ	Candolim	138	16	0	0	1	0	0	0	0	0
BARDEZ	Candolim	138	10	0	1	0	0	0	0	0	0
BARDEZ	Candolim	138	11	2	0	0	0	0	0	0	0
BARDEZ	Candolim	138	8	1	0	0	0	0	0	0	0
BARDEZ	Candolim	138	12	1	0	0	0	0	1	0	0
BARDEZ	Candolim	138	7	0	1	0	0	0	0	0	0
BARDEZ	Candolim	137	6	0	0	1	0	0	0	0	0
BARDEZ	Candolim	138	3	1	0	0	1	0	0	0	0
BARDEZ	Candolim	142	6	2	0	0	0	0	0	0	0
BARDEZ	Candolim	223	7	0	0	0	1	0	0	0	0
BARDEZ	Candolim	149	5	0	1	0	0	0	0	0	0
BARDEZ	Candolim	148	3	1	0	0	0	0	0	0	0
BARDEZ	Candolim	156	2	0	0	0	0	0	2	0	0
BARDEZ	Candolim	159	14	1	0	1	0	0	0	0	0
BARDEZ	Candolim	168	9	1	0	0	2	0	0	0	2
BARDEZ	Candolim	168	4	2	0	0	0	0	0	0	0
BARDEZ	Candolim	168	5	1	0	0	0	0	1	0	2
BARDEZ	Candolim	167	5	0	1	0	0	0	0	0	0
BARDEZ	Candolim	100	-	0	1	0	0	2	0	0	0
BARDEZ	Candolim	63	1	2	0	0	0	0	1	0	0
BARDEZ	Candolim	108	4	0	0	0	0	0	1	0	0
BARDEZ	Candolim	62	3	1	0	0	0	0	0	0	0
BARDEZ	Candolim	110	12	0	0	0	1	0	0	0	0
BARDEZ	Candolim	110	8	0	0	0	0	0	2	1	0
BARDEZ	Candolim	52	2	0	0	1	0	0	0	0	0
BARDEZ	Candolim	111	5	0	0	0	0	0	0	1	0
BARDEZ	Candolim	112	7	1	0	0	0	0	0	0	0



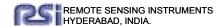
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Candolim	51	4	1	0	0	0	0	1	0	1
BARDEZ	Candolim	226	2	3	0	0	0	0	0	0	0
BARDEZ	Candolim	153	1	2	0	0	0	0	0	0	0
BARDEZ	Candolim	155	12	1	0	0	0	0	1	0	0
BARDEZ	Candolim	157	8	0	0	1	0	0	0	0	0
BARDEZ	Candolim	126	2	0	0	4	0	0	0	0	0
BARDEZ	Candolim	168	10	1	0	0	0	0	0	0	0
BARDEZ	Candolim	157	25	1	0	0	0	0	0	0	0
BARDEZ	Candolim	157	21	1	0	0	0	0	0	0	0
BARDEZ	Candolim	122	3	0	0	0	0	0	0	4	0
BARDEZ	Candolim	127	1	2	0	0	0	0	0	0	0
BARDEZ	Candolim	127	2	0	0	0	0	0	0	0	1
BARDEZ	Candolim	2	4-A	1	0	1	0	0	1	0	0
BARDEZ	Candolim	166	6	6	0	0	0	0	2	0	0
BARDEZ	Candolim	164	3	1	0	1	0	0	0	0	0
BARDEZ	Candolim	166	3	1	0	0	0	0	0	0	0
BARDEZ	Candolim	161	14	2	0	2	0	0	0	0	0
BARDEZ	Candolim	161	15	1	0	0	0	0	0	0	0
BARDEZ	Candolim	162	25	1	0	0	0	0	0	0	0
BARDEZ	Candolim	161	13	1	0	0	0	0	0	0	0
BARDEZ	Candolim	146	4G	1	0	0	0	0	0	0	0
BARDEZ	Candolim	144	9	2	0	0	0	0	1	0	0
BARDEZ	Candolim	150	3-A	1	0	0	0	0	0	0	0
BARDEZ	Candolim	153	12	1	0	0	0	0	0	0	0
BARDEZ	Candolim	153	13	3	0	0	0	0	0	0	0
BARDEZ	Candolim	161	5	1	0	0	0	0	0	0	0
BARDEZ	Candolim	162	15	1	0	0	0	0	0	0	0
BARDEZ	Candolim	136	27	1	0	0	0	0	0	0	0
BARDEZ	Candolim	136	17	1	0	0	0	0	0	0	0
BARDEZ	Candolim	2	7	0	0	1	0	0	0	0	0
BARDEZ	Candolim	155	11	1	0	0	0	0	0	0	0
BARDEZ	Candolim	112	12	1	0	0	0	0	0	0	0
BARDEZ	Candolim	112	13	0	0	0	0	0	0	1	0
BARDEZ	Candolim	111	3	0	0	3	0	0	0	0	0
BARDEZ	Candolim	226	11-A	1	0	0	0	0	0	0	0
BARDEZ	Candolim	168	2	0	0	1	0	0	0	0	0
BARDEZ	Candolim	167	2	1	0	0	0	0	0	0	0
BARDEZ	Candolim	168	1	1	0	6	0	0	0	0	0
BARDEZ	Candolim	161	8	0	0	1	0	0	0	0	0
BARDEZ	Candolim	135	10	0	0	0	0	0	1	0	0
BARDEZ	Candolim	162	24	1	0	0	0	0	0	0	1
BARDEZ	Candolim	161	11	2	0	0	0	0	0	0	0
BARDEZ	Candolim	160	8	2	0	0	0	0	0	0	0
BARDEZ	Candolim	110	2	0	0	0	0	0	1	0	0
BARDEZ	Candolim	112	19	0	0	2	0	0	0	0	0



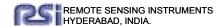
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Candolim	112	18	0	0	0	0	0	1	0	0
BARDEZ	Candolim	142	1-A	0	0	1	0	0	0	0	0
BARDEZ	Candolim	144	16	0	0	1	0	0	0	0	0
BARDEZ	Candolim	145	7	1	0	0	0	0	1	0	0
BARDEZ	Candolim	153	5	1	0	0	0	0	0	0	0
BARDEZ	Candolim	115	6	0	1	0	0	0	0	0	0
BARDEZ	Candolim	116	7	2	0	0	0	0	1	0	0
BARDEZ	Candolim	120	15-A	1	0	0	0	0	0	0	0
BARDEZ	Candolim	116	6	0	0	0	0	0	2	0	0
BARDEZ	Candolim	153	11	3	0	0	0	0	0	0	0
BARDEZ	Candolim	153	9	1	0	0	0	0	1	0	0
BARDEZ	Candolim	153	7	1	0	0	0	0	1	0	0
BARDEZ	Candolim	153	8	2	0	0	0	0	0	0	0
BARDEZ	Candolim	128	12	0	0	0	0	0	2	0	0
BARDEZ	Candolim	3	2	1	0	0	0	0	0	0	0
BARDEZ	Candolim	128	10	0	0	0	0	0	1	0	0
BARDEZ	Candolim	3	1	2	0	0	0	0	0	0	0
BARDEZ	Candolim	128	9	0	0	0	0	0	0	0	1
BARDEZ	Candolim	129	8	0	0	2	0	0	1	0	0
BARDEZ	Candolim	128	3	0	1	0	0	0	0	0	0
BARDEZ	Candolim	131	1	2	0	0	0	0	0	0	0
BARDEZ	Candolim	134	3	1	0	0	0	0	0	0	0
BARDEZ	Candolim	135	20	0	1	0	0	0	1	0	0
BARDEZ	Candolim	136	26	0	0	0	0	0	1	0	0
BARDEZ	Candolim	64	-	2	0	0	0	0	0	0	0
BARDEZ	Candolim	63	10	1	0	0	0	0	0	0	0
BARDEZ	Candolim	63	6	1	0	0	0	0	0	0	0
BARDEZ	Candolim	159	10	1	0	1	0	0	2	1	0
BARDEZ	Candolim	159	7	1	0	1	0	0	0	0	0
BARDEZ	Candolim	43	20	1	0	0	0	0	0	0	0
BARDEZ	Candolim	159	9	1	0	0	0	0	0	0	0
BARDEZ	Candolim	159	4	0	0	0	1	0	0	0	0
BARDEZ	Candolim	160	1	1	0	0	0	0	0	0	1
BARDEZ	Candolim	159	2	1	0	0	0	0	1	0	0
BARDEZ	Candolim	162	10	0	0	0	1	0	0	0	0
BARDEZ	Candolim	164	19E	1	0	0	0	0	0	0	0
BARDEZ	Candolim	164	17	1	0	0	0	0	0	0	0
BARDEZ	Candolim	162	5	2	0	0	0	0	0	0	0
BARDEZ	Candolim	162	6	1	0	0	0	0	0	0	0
BARDEZ	Candolim	162	4	1	0	0	0	0	0	0	0
BARDEZ	Candolim	164	15	1	0	0	0	0	0	1	0
BARDEZ	Candolim	162	28	0	0	0	0	0	1	0	0
BARDEZ	Candolim	164	14	1	0	0	1	0	0	0	0
BARDEZ	Candolim	162	26-A	2	0	0	0	0	0	0	0
BARDEZ	Candolim	163	1	1	0	0	0	0	0	0	0



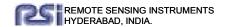
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Candolim	159	6	1	0	0	0	0	0	0	0
BARDEZ	Candolim	160	2	1	0	0	0	0	0	0	0
BARDEZ	Candolim	159	3	1	0	0	0	0	0	0	0
BARDEZ	Candolim	115	5	1	0	0	0	0	3	0	0
BARDEZ	Candolim	43	23	1	0	0	0	0	3	0	0
BARDEZ	Candolim	116	15	2	0	0	0	0	0	0	0
BARDEZ	Candolim	43	3	1	0	0	0	0	0	0	0
BARDEZ	Candolim	117	2	1	0	0	0	0	0	0	0
BARDEZ	Candolim	43	4	0	0	0	0	0	1	0	0
BARDEZ	Candolim	166	5	0	0	6	0	0	0	0	0
BARDEZ	Candolim	164	6	1	0	0	0	0	0	0	0
BARDEZ	Candolim	162	23	0	0	0	0	0	1	0	0
BARDEZ	Candolim	161	12	0	0	0	0	0	0	0	1
BARDEZ	Candolim	146	5	1	0	0	0	0	0	0	0
BARDEZ	Candolim	144	14	1	0	0	0	0	0	0	0
BARDEZ	Candolim	145	5	1	0	0	0	1	0	0	0
BARDEZ	Candolim	145	6	1	0	0	0	0	0	0	0
BARDEZ	Candolim	144	8	1	0	1	0	0	0	0	0
BARDEZ	Candolim	145	4	1	0	0	0	0	1	0	0
BARDEZ	Candolim	144	4	1	0	0	0	0	0	0	0
BARDEZ	Candolim	144	2	1	0	0	0	0	0	0	0
BARDEZ	Candolim	223	1 B	1	0	0	0	0	0	0	0
BARDEZ	Candolim	223	1A	1	0	0	0	0	0	0	0
BARDEZ	Candolim	161	3	1	0	1	0	0	0	0	0
BARDEZ	Candolim	135	10-A	1	0	0	0	0	0	0	0
BARDEZ	Candolim	253	2	0	0	1	0	0	0	0	0
BARDEZ	Candolim	136	13	1	0	0	0	0	0	0	0
BARDEZ	Candolim	155	6	1	0	0	0	0	0	0	0
BARDEZ	Candolim	157	22	2	0	0	0	0	0	0	0
BARDEZ	Candolim	155	4	1	0	0	0	0	0	0	0
BARDEZ	Candolim	156	19	1	0	0	0	0	0	0	0
BARDEZ	Candolim	156	20	1	0	0	0	0	0	0	0
BARDEZ	Candolim	156	17	1	0	0	0	0	0	0	0
BARDEZ	Candolim	157	11	2	0	0	0	0	0	1	0
BARDEZ	Candolim	156	13	1	0	0	0	0	0	0	0
BARDEZ	Candolim	156	14	1	0	0	0	0	0	0	0
BARDEZ	Candolim	112	9	1	0	0	0	0	1	0	0
BARDEZ	Candolim	117	1	1	0	0	0	0	0	0	0
BARDEZ	Candolim	120	11	0	0	0	0	0	1	0	0
BARDEZ	Candolim	122	2	0	0	0	0	0	2	0	1
BARDEZ	Candolim	156	9	1	0	0	0	0	0	0	0
BARDEZ	Candolim	92	-	3	0	0	0	0	0	0	0
BARDEZ	Candolim	124	ı	2	0	0	0	0	5	0	0
BARDEZ	Candolim	125	4	1	0	0	0	0	1	0	0
BARDEZ	Candolim	126	1	1	0	0	0	0	1	0	0



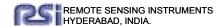
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
BARDEZ	Candolim	127	3	0	0	1	0	0	0	0	0
BARDEZ	Candolim	157	1-F	1	0	0	0	0	0	0	0
BARDEZ	Candolim	158	1	1	0	0	0	0	0	0	0
BARDEZ	Candolim	161	2	1	0	0	0	0	0	0	0
BARDEZ	Candolim	111	4	1	0	0	0	0	0	0	0
BARDEZ	Candolim	110	5	1	0	0	0	0	0	0	0
BARDEZ	Candolim	77		0	0	1	0	0	0	0	0
BARDEZ	Candolim	153	4	1	0	0	0	0	0	0	0
BARDEZ	Candolim	156	18	0	0	0	0	0	1	0	0
BARDEZ	Candolim	43	7	0	0	0	0	0	1	0	0
BARDEZ	Candolim	43	14	0	0	0	0	0	1	0	0
BARDEZ	Candolim	43	8	0	0	0	0	0	1	0	0
BARDEZ	Candolim	43	12	0	0	0	0	0	2	0	0
BARDEZ	Candolim	130	1-A	1	0	0	0	0	0	0	0
BARDEZ	Candolim	161	7	1	0	1	0	0	0	0	0
BARDEZ	Candolim	133	1-A	0	0	0	0	0	1	0	0
BARDEZ	Candolim	2	6	1	0	1	0	0	0	0	0
BARDEZ	Candolim	131	3	0	0	0	0	0	0	0	1
BARDEZ	Candolim	132	1	2	0	0	0	0	0	0	1
BARDEZ	Candolim	2	5	0	0	0	0	0	1	0	0
BARDEZ	Candolim	2	2	0	0	0	0	0	0	0	1
BARDEZ	Candolim	63	3	0	0	0	0	0	1	0	0
BARDEZ	Candolim	161	1	1	0	0	0	0	0	0	0
BARDEZ	Candolim	164	15-A	0	0	0	0	0	0	1	0
BARDEZ	Candolim	164	19-C	1	0	0	0	0	0	0	0
BARDEZ	Candolim	157	16	1	0	0	0	0	0	0	0
BARDEZ	Candolim	156	15	1	0	0	0	0	0	0	0
BARDEZ	Candolim	157	9	1	0	0	0	0	0	0	0
BARDEZ	Candolim	157	10	1	0	0	0	0	0	0	0
BARDEZ	Candolim	157	5	1	0	0	0	0	0	0	0
BARDEZ	Candolim	156	12	1	0	0	0	0	0	0	0
BARDEZ	Candolim	156	1	1	0	0	0	0	0	0	0
BARDEZ	Candolim	125	3	0	0	0	0	0	1	0	0
BARDEZ	Candolim	23	1	0	0	0	0	0	1	0	0
BARDEZ	Candolim	23	3	2	0	0	0	0	0	0	0
BARDEZ	Candolim	127	4	0	0	1	0	0	0	0	0
BARDEZ	Candolim	128	11	0	0	1	0	0	1	0	0
BARDEZ	Candolim	128	7	0	0	1	0	0	0	0	0
BARDEZ	Candolim	150	4	1	0	0	0	0	0	0	0
MURMUGAO	Arrosim	73	4	0	0	0	0	0	1	0	0
MURMUGAO	Arrosim	72	<u>·</u> 1	0	0	2	0	0	0	0	0
MURMUGAO	Arrosim	73	2	1	0	0	1	0	44	0	0
MURMUGAO	Arrosim	139		3	0	0	0	0	3	0	0
MURMUGAO	Arrosim	116	1	0	0	2	0	0	0	0	0
MURMUGAO	Arrosim	130	10	0	0	1	0	0	0	0	0



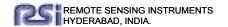
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
MURMUGAO	Arrosim	129	6	2	0	0	0	0	0	0	1
MURMUGAO	Arrosim	129	8	1	0	0	0	0	0	0	0
MURMUGAO	Arrosim	129	4	2	0	0	0	0	0	0	0
MURMUGAO	Arrosim	138	4	1	0	0	0	0	0	0	0
MURMUGAO	Arrosim	138	6	1	0	0	0	0	2	0	0
MURMUGAO	Arrosim	131	1	0	1	0	0	0	0	0	0
MURMUGAO	Arrosim	120	2	1	0	0	0	0	1	0	0
MURMUGAO	Arrosim	130	7-A	0	0	2	0	0	0	0	0
MURMUGAO	Arrosim	130	6	0	0	5	0	0	0	0	0
MURMUGAO	Arrosim	72	9	0	0	2	0	0	0	0	0
MURMUGAO	Arrosim	82	15	0	0	0	0	0	1	0	0
MURMUGAO	Arrosim	82	9	0	0	0	0	0	1	0	0
MURMUGAO	Arrosim	82	3	1	0	0	0	0	1	0	0
MURMUGAO	Arrosim	82	5	0	0	0	1	0	0	0	0
MURMUGAO	Arrosim	120	5	2	0	0	0	0	1	0	0
MURMUGAO	Arrosim	119	1	1	2	4	0	0	2	0	0
MURMUGAO	Arrosim	120	1	1	0	0	0	0	0	0	0
MURMUGAO	Arrosim	81	11	0	0	0	0	0	1	0	0
MURMUGAO	Arrosim	82	13	1	0	0	0	0	0	0	0
MURMUGAO	Arrosim	130	9	0	0	1	4	0	0	0	0
MURMUGAO	Arrosim	137	3	3	0	0	0	0	0	0	0
MURMUGAO	Arrosim	137	2	2	0	0	0	0	0	0	0
MURMUGAO	Arrosim	142	1	0	0	0	0	0	2	0	0
MURMUGAO	Arrosim	129	6-A	0	0	1	0	0	0	0	0
MURMUGAO	Cansaulim	82	12	2	0	0	0	0	0	0	0
MURMUGAO	Cansaulim	78	7	3	0	1	0	0	0	0	0
MURMUGAO	Cansaulim	79	8	3	0	2	0	0	0	0	0
MURMUGAO	Cansaulim	71	4	1	0	2	0	0	0	0	0
MURMUGAO	Cansaulim	70	20	1	0	1	0	0	0	0	0
MURMUGAO	Cansaulim	71	1	1	0	0	0	0	0	0	0
MURMUGAO	Cansaulim	71	2	0	0	0	0	0	1	0	0
MURMUGAO	Cansaulim	78	11	0	0	2	0	0	0	0	0
MURMUGAO	Cansaulim	81	3	1	0	0	0	0	0	0	0
MURMUGAO	Cansaulim	79	6	1	0	0	0	0	0	1	0
MURMUGAO	Cansaulim	79	3	1	0	0	0	0	0	0	0
MURMUGAO	Cansaulim	78	2	0	0	2	0	0	0	0	0
MURMUGAO	Cansaulim	78	3	1	0	0	0	0	0	0	0
MURMUGAO	Cansaulim	79	1	1	0	0	0	0	0	0	0
MURMUGAO	Cansaulim	82	15	1	0	0	0	0	0	0	0
MURMUGAO	Cansaulim	82	11	1	0	0	0	0	0	0	0
MURMUGAO	Cansaulim	82	6	2	0	0	0	0	0	0	0
MURMUGAO	Cansaulim	71	5-A	1	0	0	0	0	0	0	0
MURMUGAO	Cansaulim	71	5	1	0	0	0	0	0	0	0
MURMUGAO	Cansaulim	75	4	0	0	2	0	0	0	0	0
MURMUGAO	Cansaulim	71	4-A	2	0	0	0	0	0	0	0



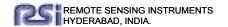
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
MURMUGAO	Cansaulim	71	4-B	0	0	2	0	0	0	0	0
MURMUGAO	Cansaulim	75	1	1	0	0	0	0	0	0	0
MURMUGAO	Cansaulim	90	2	10	0	1	0	0	0	0	0
MURMUGAO	Cansaulim	74	2-A	0	0	2	0	0	0	0	0
MURMUGAO	Cansaulim	74	1-A	0	0	1	0	0	0	0	0
MURMUGAO	Cansaulim	74	2-P	0	0	1	0	0	0	0	0
MURMUGAO	Cansaulim	75	3	0	0	4	0	0	0	0	0
MURMUGAO	Cansaulim	82	2	0	0	0	0	0	1	0	0
MURMUGAO	Cansaulim	82	3	1	0	0	0	0	0	0	0
MURMUGAO	Cansaulim	89	1-A	2	0	0	0	0	0	0	0
MURMUGAO	Cansaulim	92	2	1	0	1	0	0	1	0	0
MURMUGAO	Cansaulim	83	4	1	0	0	0	0	0	0	0
MURMUGAO	Cansaulim	83	5	0	0	0	0	0	1	0	0
MURMUGAO	Cansaulim	89	5	1	0	0	0	0	0	0	0
MURMUGAO	Cansaulim	88	4	1	0	0	0	0	0	0	0
MURMUGAO	Cansaulim	93	1	1	0	0	0	0	0	0	0
MURMUGAO	Chicalim	57	1	11	0	1	10	0	0	0	0
MURMUGAO	Chicalim	54	2	0	0	0	0	0	0	0	2
MURMUGAO	Chicalim	54	3	0	0	0	0	0	3	0	0
MURMUGAO	Chicalim	54	1	0	0	0	0	0	1	0	1
MURMUGAO	Chicalim	50	3	3	0	0	0	0	0	0	1
MURMUGAO	Chicalim	50	1	1	0	0	0	0	1	0	1
MURMUGAO	Chicalim	62	5	0	0	0	0	0	1	0	0
MURMUGAO	Chicalim	52	5	0	0	0	0	0	0	0	3
MURMUGAO	Chicalim	62	4	1	0	0	2	0	0	0	0
MURMUGAO	Chicalim	62	3	1	0	0	0	0	0	0	0
MURMUGAO	Chicalim	61	4	2	0	0	0	0	0	0	0
MURMUGAO	Chicalim	61	3	4	0	0	0	0	0	0	0
MURMUGAO	Chicalim	68	1	1	0	0	0	0	0	0	0
MURMUGAO	Chicalim	71	25	1	0	1	0	0	0	0	0
MURMUGAO	Chicalim	52	9	0	0	0	0	0	0	0	2
MURMUGAO	Chicalim	51	10	0	0	0	0	0	1	0	0
MURMUGAO	Chicalim	52	6	0	0	0	0	0	0	0	1
MURMUGAO	Chicalim	51	5	0	0	4	0	0	0	0	1
MURMUGAO	Chicalim	75	7	0	0	2	0	0	0	0	0
MURMUGAO	Chicalim	58	3	0	0	1	0	0	0	0	0
MURMUGAO	Chicalim	68	3	1	0	0	0	0	0	0	0
MURMUGAO	Chicalim	46	5	0	0	1	0	0	0	0	0
MURMUGAO	Chicalim	46	4	2	0	0	0	0	0	0	0
MURMUGAO	Chicalim	46	7	0	0	1	0	0	0	0	0
MURMUGAO	Chicalim	53	4	1	0	0	1	0	1	0	2
MURMUGAO	Chicalim	78	-	4	0	0	0	0	0	0	0
MURMUGAO	Chicalim	60	20	0	0	0	2	0	0	0	0
MURMUGAO	Chicalim	60	15	2	0	0	0	0	0	0	0
MURMUGAO	Chicalim	52	22	0	0	0	0	0	0	0	1



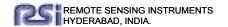
1	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
MURMUGAO	Chicalim	52	1	0	0	0	0	0	1	0	0
MURMUGAO	Chicalim	46	13	1	0	0	0	0	0	0	0
MURMUGAO	Chicalim	57	15	2	0	0	0	0	0	0	0
MURMUGAO	Chicalim	57	17	3	0	0	0	0	0	0	0
MURMUGAO	Chicalim	52	21	0	0	0	0	0	0	0	1
MURMUGAO	Chicalim	56	4	3	0	0	0	0	0	0	1
MURMUGAO	Chicalim	46	9	1	0	0	0	0	0	0	0
MURMUGAO	Chicalim	57	19	1	0	0	0	0	0	0	0
MURMUGAO	Chicalim	46	15	1	0	0	0	0	0	0	0
MURMUGAO	Chicalim	52	13	0	0	0	0	0	0	0	1
MURMUGAO	Chicalim	54	8	2	0	0	0	0	1	0	0
MURMUGAO	Chicalim	75	9	0	0	1	0	0	0	0	0
MURMUGAO	Chicalim	46	8	0	0	0	2	0	1	0	0
MURMUGAO	Chicalim	60	28	0	0	0	0	0	1	0	0
MURMUGAO	Chicalim	57	12	0	0	1	0	0	0	0	0
MURMUGAO	Chicalim	56	2	2	0	0	0	0	1	0	1
MURMUGAO	Chicalim	75	3	1	0	0	0	0	1	0	0
MURMUGAO	Chicalim	75	4	2	0	0	0	0	0	0	0
MURMUGAO	Chicalim	54	6	0	0	0	0	0	1	0	0
MURMUGAO	Chicalim	75	2	0	0	1	0	0	0	0	0
MURMUGAO	Chicalim	75	1	0	0	2	0	0	0	0	0
MURMUGAO	Chicalim	51	1	1	0	0	0	0	0	0	0
MURMUGAO	Chicalim	51	3	0	0	2	0	0	0	0	0
MURMUGAO	Chicalim	52	15	0	0	0	0	0	0	0	1
MURMUGAO	Chicalim	53	2	1	1	0	0	0	0	0	0
MURMUGAO	Chicalim	59	19	0	1	0	0	0	0	0	0
MURMUGAO	Chicalim	60	2	0	1	0	0	0	0	0	0
MURMUGAO	Chicolna	21	1	1	0	0	0	0	0	0	0
MURMUGAO	Chicolna	21	25	0	0	0	1	0	0	0	0
MURMUGAO	Chicolna	17	7	5	0	0	0	0	0	0	0
	Chicolna	9	1	3	0	8	12	0	0	0	0
MURMUGAO	Chicolna	17	13	2	0	0	0	0	0	0	0
MURMUGAO	Chicolna	17	12	0	0	0	0	0	1	0	0
MURMUGAO	Chicolna	7	1	0	0	0	6	0	0	0	0
MURMUGAO	Chicolna	25	<u> </u>	1	0	0	0	0	0	0	0
MURMUGAO	Chicolna	14	1	1	0	0	0	0	0	0	2
MURMUGAO	Chicolna	21	20	0	0	0	1	0	0	0	0
MURMUGAO	Chicolna	17	14	0	1	0	2	0	0	0	0
MURMUGAO	Chicolna	9	2	0	0	0	2	0	1	0	0
MURMUGAO		21	22		0		0		1		0
MURMUGAO	Chicolna	21	24	0 1	0	0	1	0	0	0	0
MURMUGAO	Chicolna	 									
MURMUGAO	Chicolna	21	11 7	1	0	0	0	0	0	0	0
	Chicolna	21		0	0	0	1	0	0	0	0
MURMUGAO MURMUGAO	Chicolna Chicolna	21 21	5 4	0 1	0	0	0	0	0	0	0



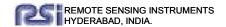
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
MURMUGAO	Issorcim	11	85	2	0	0	1	0	0	0	2
MURMUGAO	Issorcim	11	86	0	0	0	0	0	0	0	1
MURMUGAO	Issorcim	11	84	1	0	0	3	0	0	0	1
MURMUGAO	Issorcim	11	1	0	0	0	0	0	0	0	3
MURMUGAO	Pale	5	11	8	0	0	0	0	0	0	0
MURMUGAO	Pale	4	6	1	0	0	0	0	0	0	0
MURMUGAO	Pale	4	5	1	0	0	0	0	1	0	0
MURMUGAO	Pale	78	28	3	0	0	0	0	0	0	0
MURMUGAO	Pale	7	2	1	0	0	0	0	0	0	0
MURMUGAO	Pale	79	11	1	0	0	0	0	0	0	0
MURMUGAO	Pale	7	3	1	0	0	0	0	0	0	0
MURMUGAO	Pale	78	26	0	0	0	0	0	0	0	1
MURMUGAO	Pale	8	5	0	0	0	0	0	0	0	1
MURMUGAO	Pale	4	8	1	0	0	0	0	0	0	0
MURMUGAO	Pale	5	8	0	0	1	0	0	0	0	0
MURMUGAO	Pale	4	1	1	0	0	0	0	0	0	0
MURMUGAO	Pale	4	2	1	0	0	0	0	0	0	0
MURMUGAO	Pale	4	3	2	0	0	0	0	0	0	0
MURMUGAO	Pale	4	4	2	0	0	0	0	0	0	0
MURMUGAO	Pale	78	27	1	0	0	0	0	0	0	0
MURMUGAO	Pale	5	9	1	0	1	0	0	0	0	1
MURMUGAO	Pale	5	10	9	0	0	0	0	0	0	0
MURMUGAO	Pale	18	2	3	1	0	0	0	0	0	0
MURMUGAO	Pale	18	1	9	0	0	0	0	0	0	0
MURMUGAO	Pale	78	1	2	0	0	0	0	0	0	0
MURMUGAO	Pale	13	1	0	0	2	0	0	0	0	1
MURMUGAO	Pale	23	1	1	0	1	0	0	0	0	1
MURMUGAO	Pale	21	3	0	0	1	0	0	0	0	0
MURMUGAO	Pale	22	2	0	0	1	0	0	0	1	0
MURMUGAO	Pale	22	1	0	0	0	0	0	0	1	0
MURMUGAO	Pale	21	5	1	0	0	0	0	0	0	0
MURMUGAO	Pale	21	4	1	0	1	0	0	0	0	0
MURMUGAO	Pale	21	1	0	0	1	0	0	0	0	0
MURMUGAO	Pale	14	3	1	0	0	0	0	0	0	0
MURMUGAO	Pale	19	3	2	0	0	0	0	0	0	0
MURMUGAO	Pale	132	1	3	0	0	0	0	0	0	0
MURMUGAO	Pale	5	11-A	2	0	0	0	0	0	0	0
MURMUGAO	Sancoale	133	1	7	0	0	0	0	0	0	0
MURMUGAO	Sancoale	162	1	7	0	0	0	0	0	0	0
MURMUGAO	Sancoale	163	1	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	76	13	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	58	1	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	53	6	0	1	1	0	0	0	0	0
MURMUGAO	Velsao	64	1	8	0	0	0	0	3	2	0
MURMUGAO	Velsao	66	10	1	0	0	0	0	0	0	0



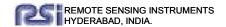
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
MURMUGAO	Velsao	63	3	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	80	2	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	80	7	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	75	14	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	46	1	0	1	0	0	0	0	0	0
MURMUGAO	Velsao	46	2,4	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	49	1	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	74	5	1	0	0	0	0	0	0	1
MURMUGAO	Velsao	75	3	2	0	0	0	0	0	0	0
MURMUGAO	Velsao	70	6	0	0	0	0	0	1	0	0
MURMUGAO	Velsao	58	4	2	0	0	0	0	2	0	0
MURMUGAO	Velsao	58	8	1	0	0	0	0	1	0	0
MURMUGAO	Velsao	61	18	0	0	0	0	0	1	0	0
MURMUGAO	Velsao	61	1	1	0	0	0	0	1	0	0
MURMUGAO	Velsao	66	8	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	66	9	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	50	5	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	52	6	0	0	1	0	0	0	0	0
MURMUGAO	Velsao	58	3	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	75	11	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	76	11	0	0	1	0	0	0	0	0
MURMUGAO	Velsao	75	9	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	52	2	1	0	0	0	0	1	0	0
MURMUGAO	Velsao	48	3	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	51	1	1	0	1	0	0	0	0	0
MURMUGAO	Velsao	51	2	0	0	0	0	0	2	0	0
MURMUGAO	Velsao	58	6	0	0	0	0	0	0	0	1
MURMUGAO	Velsao	61	20	1	0	0	0	0	1	0	0
MURMUGAO	Velsao	61	17	1	0	0	0	0	1	0	0
MURMUGAO	Velsao	61	19P	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	61	7	0	0	0	0	0	1	0	0
MURMUGAO	Velsao	75	8	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	71	1	2	0	0	0	0	0	0	0
MURMUGAO	Velsao	53	1	0	1	0	0	0	1	0	0
MURMUGAO	Velsao	49	3	2	0	0	0	0	0	0	0
MURMUGAO	Velsao	76	1	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	47	7	0	0	0	0	0	0	1	0
MURMUGAO	Velsao	53	7	0	0	3	0	0	0	0	0
MURMUGAO	Velsao	50	6	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	50	8	0	0	3	0	0	0	0	0
MURMUGAO	Velsao	61	2	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	62	2	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	49	5	0	0	0	0	0	0	0	1
MURMUGAO	Velsao	66	5	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	70	9	1	0	0	0	0	0	0	0



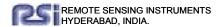
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
MURMUGAO	Velsao	70	10	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	75	13	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	76	15	0	0	2	0	0	0	0	0
MURMUGAO	Velsao	75	12	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	70	7	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	75	10	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	53	8-A	0	0	1	0	0	0	0	0
MURMUGAO	Velsao	53	8	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	50	1	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	49	2	1	0	0	0	0	1	0	0
MURMUGAO	Velsao	70	4	0	0	0	0	0	0	1	0
MURMUGAO	Velsao	68	<u>·</u> 1	0	0	1	0	0	0	0	0
MURMUGAO	Velsao	70	<u>·</u> 1	0	0	1	0	0	0	0	0
MURMUGAO	Velsao	75	5	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	74	2	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	75	4	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	75	2	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	75	<u>-</u> 1	1	0	1	0	0	0	0	0
MURMUGAO	Velsao	52	4	0	1	8	0	0	0	0	0
MURMUGAO	Velsao	60	<u>·</u> 1	0	0	0	0	0	1	0	0
MURMUGAO	Velsao	62	5	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	62	7	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	81	2	0	0	1	0	0	0	0	0
MURMUGAO	Velsao	62	6	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	63	4	0	0	0	0	0	1	0	0
MURMUGAO	Velsao	63	6	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	80	10	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	63	2	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	80		1	0	0	0	0	0	0	0
MURMUGAO	Velsao	60	4	0	0	0	0	0	0	6	0
MURMUGAO	Velsao	58	14	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	58	11,12	1	0	0	0	0	0	0	0
MURMUGAO	Velsao	80	15	1	0	0	0	0	0	0	0
SALCETE	Benaulim	300	3	4	2	0	0	0	2	1	0
SALCETE	Benaulim	315	24	0	0	1	0	0	0	0	0
SALCETE	Benaulim	315	28	0	0	1	0	0	0	0	0
SALCETE	Benaulim	336	1-A	0	0	18	0	0	0	3	0
SALCETE	Benaulim	357	3	0	1	0	0	0	0	0	0
SALCETE	Benaulim	363	5	0	0	11	0	0	0	0	0
SALCETE	Benaulim	301	4	1	0	1	0	0	0	0	0
SALCETE	Benaulim	304	<u> </u>	6	1	0	0	0	3	2	0
SALCETE	Benaulim	301	 5	2	0	0	0	0	2	1	0
SALCETE	Benaulim	363	3	0	0	11	0	0	0	0	0
SALCETE	Benaulim	333	2	1	0	0	0	0	1	0	0
SALCETE	Benaulim	332	7	0	0	1	0	0	1	0	0



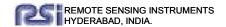
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
SALCETE	Benaulim	332	15	0	0	0	0	0	2	0	0
SALCETE	Benaulim	301	7	2	0	3	0	0	2	1	0
SALCETE	Benaulim	300	1	0	0	0	0	0	0	1	0
SALCETE	Benaulim	332	10	2	0	0	0	0	1	0	0
SALCETE	Benaulim	337	1	0	0	5	0	0	0	0	0
SALCETE	Benaulim	336	1	0	0	3	0	0	0	0	0
SALCETE	Benaulim	341	1	0	2	17	0	0	0	0	0
SALCETE	Benaulim	369	30	0	0	1	0	0	0	0	0
SALCETE	Benaulim	369	29	0	0	8	0	0	0	0	0
SALCETE	Benaulim	369	26	0	0	1	0	0	0	0	0
SALCETE	Benaulim	369	17	0	0	1	0	0	0	0	0
SALCETE	Benaulim	301	1	2	0	0	0	0	3	0	0
SALCETE	Benaulim	333	5	0	0	1	0	0	2	0	0
SALCETE	Benaulim	333	3	1	0	0	0	0	0	0	0
SALCETE	Benaulim	332	8	0	0	1	0	0	2	0	0
SALCETE	Benaulim	333	1	2	0	0	0	0	1	0	0
SALCETE	Benaulim	364	1	0	0	3	0	0	0	0	0
SALCETE	Benaulim	333	4	0	1	0	0	0	0	0	0
SALCETE	Benaulim	304	3	2	2	0	0	0	1	1	0
SALCETE	Benaulim	332	12	0	0	0	0	0	1	0	0
SALCETE	Benaulim	369	18	0	0	1	0	0	0	0	0
SALCETE	Benaulim	369	19	0	0	2	0	0	0	0	0
SALCETE	Benaulim	369	24	0	0	1	0	0	0	0	0
SALCETE	Benaulim	369	23	0	0	1	0	0	0	0	0
SALCETE	Benaulim	369	27	0	0	1	0	0	0	0	0
SALCETE	Benaulim	369	25	0	0	2	0	0	0	0	0
SALCETE	Benaulim	369	11	0	0	1	0	0	0	0	0
SALCETE	Benaulim	369	12	0	0	1	0	0	0	0	0
SALCETE	Benaulim	369	21	0	0	1	0	0	0	0	0
SALCETE	Benaulim	369	14	0	0	1	0	0	0	0	0
SALCETE	Benaulim	369	15	0	0	2	0	0	0	0	0
SALCETE	Benaulim	342	1	0	0	4	0	0	0	0	0
SALCETE	Benaulim	369	4	0	0	1	0	0	0	0	0
SALCETE	Benaulim	369	5	0	0	2	0	0	0	0	0
SALCETE	Benaulim	369	22	0	0	2	0	0	0	0	0
SALCETE	Benaulim	343	1	1	0	0	0	0	1	0	0
SALCETE	Benaulim	364	2	0	0	2	0	0	0	0	0
SALCETE	Benaulim	343	22	0	1	0	0	0	0	0	0
SALCETE	Benaulim	132	1	0	1	0	0	0	0	0	0
SALCETE	Benaulim	369	6	0	0	2	0	0	0	0	0
SALCETE	Benaulim	369	7	0	0	1	0	0	0	0	0
SALCETE	Benaulim	369	8	0	0	1	0	0	0	0	0
SALCETE	Benaulim	369	3	0	0	1	0	0	0	0	0
SALCETE	Betalbatim	104	12	0	5	3	0	0	0	0	0
SALCETE	Betalbatim	109	1	0	0	0	11	0	0	0	0



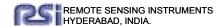
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
SALCETE	Betalbatim	104	2	0	0	10	0	0	0	0	0
SALCETE	Betalbatim	104	1	0	0	1	0	0	0	0	0
SALCETE	Betalbatim	104	5	0	0	1	0	0	0	0	0
SALCETE	Betalbatim	96	2	0	3	1	0	0	0	0	0
SALCETE	Betalbatim	99	2	0	0	2	0	0	0	0	0
SALCETE	Betalbatim	104	3	0	0	4	0	0	0	0	0
SALCETE	Betalbatim	70	1	0	1	1	0	0	0	0	0
SALCETE	Betalbatim	99	6	0	1	3	0	0	0	0	1
SALCETE	Betalbatim	104	9	0	0	2	0	0	0	0	0
SALCETE	Betalbatim	99	13	0	0	0	0	0	0	0	2
SALCETE	Betalbatim	99	14	0	0	0	0	0	0	0	2
SALCETE	Betalbatim	99	15	0	0	0	0	0	0	0	2
SALCETE	Betalbatim	99	5	0	0	1	0	0	0	0	0
SALCETE	Betalbatim	127	3	0	0	0	0	0	0	0	1
SALCETE	Betalbatim	138	2	1	0	0	0	0	0	0	0
SALCETE	Cavelossim	109	1	88	13	59	0	0	0	0	0
SALCETE	Cavelossim	108	1	3	0	4	0	0	0	0	0
SALCETE	Cavelossim	109	2	3	0	0	0	0	0	1	0
SALCETE	Cavelossim	122	3	0	0	0	0	1	0	0	0
SALCETE	Cavelossim	97	2	2	0	0	0	0	0	0	0
SALCETE	Cavelossim	96	Α	5	0	0	0	0	0	0	2
SALCETE	Cavelossim	97	3	1	3	0	0	0	0	0	0
SALCETE	Cavelossim	101	1	3	0	5	1	0	0	0	1
SALCETE	Cavelossim	133	-	0	1	0	0	0	0	0	0
SALCETE	Cavelossim	95	1	1	0	0	0	0	0	0	0
SALCETE	Cavelossim	109	1-"E"	0	0	1	0	0	0	0	0
SALCETE	Cavelossim	109	1-"D"	0	0	1	0	0	0	0	0
SALCETE	Cavelossim	109	1-E	0	0	1	0	0	0	0	0
SALCETE	Cavelossim	99	1	2	0	4	0	0	0	0	1
SALCETE	Cavelossim	100	1	9	0	0	0	0	0	0	0
SALCETE	Cavelossim	102	7	0	0	3	0	0	0	0	0
SALCETE	Cavelossim	102	6	0	0	1	0	0	0	0	0
SALCETE	Cavelossim	109	1-F	0	0	1	0	0	0	0	0
SALCETE	Cavelossim	104	1	5	0	0	0	0	1	0	0
SALCETE	Cavelossim	99	2-A	5	1	3	0	0	0	0	0
SALCETE	Cavelossim	107	1	2	0	1	0	0	0	0	0
SALCETE	Cavelossim	109	1-"M"	0	1	1	0	0	0	0	0
SALCETE	Cavelossim	109	1-"I"	0	0	2	0	0	0	0	0
SALCETE	Cavelossim	100	3	16	3	0	0	0	0	0	0
SALCETE	Cavelossim	100	2	18	0	0	0	0	0	0	0
SALCETE	Cavelossim	105	6	2	0	0	1	0	0	0	0
SALCETE	Cavelossim	105	1	3	0	0	1	0	0	0	1
SALCETE	Cavelossim	106	4	4	0	3	1	0	0	2	0
SALCETE	Cavelossim	106	3-A	2	0	0	0	0	0	0	0
SALCETE	Cavelossim	106	1	4	0	0	0	0	1	0	0



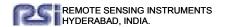
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
SALCETE	Cavelossim	99	2-C	4	0	0	0	0	0	0	0
SALCETE	Cavelossim	102	3	0	0	3	0	0	0	0	0
SALCETE	Cavelossim	106	3	3	0	0	0	0	0	0	0
SALCETE	Cavelossim	102	5	0	0	1	0	0	0	0	0
SALCETE	Cavelossim	98	2	1	1	2	0	0	0	0	0
SALCETE	Cavelossim	99	2-E	1	0	0	0	0	0	0	0
SALCETE	Cavelossim	97	3,4	1	0	0	0	0	0	0	0
SALCETE	Cavelossim	98	3	1	0	0	0	0	0	0	0
SALCETE	Colva	40	9	0	2	0	0	0	0	0	0
SALCETE	Colva	40	4	2	0	4	3	0	1	0	0
SALCETE	Colva	24	7	2	0	0	0	0	3	0	0
SALCETE	Colva	53	2	0	2	0	0	0	0	0	0
SALCETE	Colva	25	7	0	2	0	0	0	3	0	0
SALCETE	Colva	30	1	3	6	2	0	0	1	0	0
SALCETE	Colva	35	8	0	0	2	0	0	0	0	0
SALCETE	Colva	37	12	0	1	0	0	0	0	0	0
SALCETE	Colva	35	1	0	1	2	0	0	2	0	0
SALCETE	Colva	43	17	0	0	0	0	0	0	0	1
SALCETE	Colva	41	1	11	2	8	0	0	0	0	0
SALCETE	Colva	55	5	0	0	0	0	0	1	0	0
SALCETE	Colva	54	4	0	0	0	0	0	0	0	9
SALCETE	Colva	35	2	0	1	0	0	0	0	0	0
SALCETE	Colva	35	 18	0	0	1	0	0	0	0	0
SALCETE	Colva	65	1	0	0	0	0	0	0	1	0
SALCETE	Colva	53	<u>.</u> 1	2	0	0	0	0	0	0	0
SALCETE	Colva	77	6	1	0	0	0	0	0	0	0
SALCETE	Colva	77	4	2	0	1	0	0	0	1	0
SALCETE	Colva	77	1	6	0	0	0	0	1	3	0
SALCETE	Colva	40	1	6	4	3	0	0	0	0	0
SALCETE	Colva	40	6	0	1	0	0	0	0	0	0
SALCETE	Colva	24	27	0	2	0	0	0	0	0	0
SALCETE	Colva	24	16	0	0	2	0	0	3	0	0
SALCETE	Colva	23	14	0	0	1	0	0	0	0	0
SALCETE	Colva	25	1	0	0	0	0	0	2	0	0
SALCETE	Colva	24	6	2	0	0	0	0	1	0	0
SALCETE	Colva	24	5	0	1	0	0	0	1	0	0
SALCETE	Colva	36	5	0	0	3	0	0	0	0	0
SALCETE	Colva	36	4	0	0	2	0	0	0	0	0
SALCETE	Colva	24	9	1	3	0	0	0	2	0	0
SALCETE	Colva	35	22	0	0	1	0	0	0	0	1
SALCETE	Colva	40	7	0	1	0	0	0	0	0	0
SALCETE	Colva	40	10	0	0	2	0	0	0	0	0
SALCETE	Colva	24	4	0	1	0	0	0	0	0	0
SALCETE	Colva	31	3	0	0	2	0	0	0	0	0
SALCETE	Colva	36	3	0	1	0	0	0	0	0	0



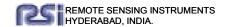
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
SALCETE	Colva	24	15	2	0	0	0	0	0	0	0
SALCETE	Colva	24	10	1	0	0	0	0	0	0	0
SALCETE	Colva	24	12	0	0	0	0	0	1	0	0
SALCETE	Colva	24	26	0	0	0	0	0	2	0	0
SALCETE	Colva	25	8	0	0	0	0	0	1	0	0
SALCETE	Colva	37	11	0	0	0	0	0	3	0	0
SALCETE	Colva	37	10	2	0	0	0	0	0	0	0
SALCETE	Colva	37	2	0	1	0	0	0	0	1	0
SALCETE	Colva	77	7	0	0	1	0	0	0	0	0
SALCETE	Colva	30	4	1	0	0	0	0	0	0	0
SALCETE	Colva	77	3	1	0	1	0	0	0	1	0
SALCETE	Colva	34	3	1	1	0	0	0	0	0	1
SALCETE	Colva	34	1	2	0	1	0	0	0	0	0
SALCETE	Colva	35	10	0	0	0	0	0	0	0	1
SALCETE	Colva	24	8	0	1	0	0	0	1	0	0
SALCETE	Colva	35	19	0	0	1	0	0	0	0	0
SALCETE	Colva	31	1	0	0	1	0	0	0	0	0
SALCETE	Colva	40	2	0	1	0	0	0	0	0	0
SALCETE	Colva	57	1	0	0	0	0	0	6	4	0
SALCETE	Colva	55	3	0	0	6	0	0	0	0	0
SALCETE	Colva	29	7	0	0	18	0	0	0	0	0
SALCETE	Colva	76	1	1	0	0	0	0	0	0	0
SALCETE	Gonsua	9	2	0	0	0	0	0	0	3	2
SALCETE	Gonsua	9	7	1	0	0	0	0	3	1	0
SALCETE	Majorda	71	5	1	0	0	0	0	0	0	0
SALCETE	Majorda	62	2	4	0	0	0	0	5	0	1
SALCETE	Majorda	67	5	0	0	0	0	0	0	0	1
SALCETE	Majorda	67	4	0	0	0	0	0	0	0	3
SALCETE	Majorda	67	2	0	0	0	0	0	0	0	1
SALCETE	Majorda	74	4	1	0	0	0	0	0	0	0
SALCETE	SernaBatim	30	3	0	0	0	0	0	0	0	1
SALCETE	SernaBatim	44	8	0	0	0	0	0	1	0	0
SALCETE	SernaBatim	44	2	1	0	0	0	0	0	0	0
SALCETE	SernaBatim	41	1	0	1	0	0	0	0	0	0
SALCETE	Utorda	45	3	0	0	0	0	0	1	0	0
SALCETE	Utorda	37	1	0	0	0	0	0	1	0	0
SALCETE	Utorda	33	8	0	0	0	0	0	1	0	0
SALCETE	Utorda	51	7	0	0	0	0	0	1	0	0
SALCETE	Utorda	51	8	0	0	0	0	0	1	0	0
SALCETE	Utorda	34	1	0	3	0	0	0	7	0	0
SALCETE	Utorda	33	1	0	0	0	0	0	6	0	0
SALCETE	Utorda	33	2	0	0	0	0	0	2	0	0
SALCETE	Utorda	52	5	2	0	0	0	0	0	1	0
SALCETE	Utorda	82	18	1	0	0	0	0	2	0	0
SALCETE	Utorda	44	2	0	0	0	0	0	1	0	0



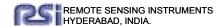
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
SALCETE	Utorda	44	4	1	0	0	0	0	0	0	0
SALCETE	Utorda	77	16	0	0	3	0	0	0	0	0
SALCETE	Utorda	67	5	0	0	0	0	0	0	0	1
SALCETE	Utorda	51	9	0	0	0	0	0	1	0	0
SALCETE	Utorda	76	6	0	0	1	0	0	0	0	0
SALCETE	Utorda	68	10	1	0	0	0	0	0	0	0
SALCETE	Utorda	68	9	0	0	2	0	0	0	1	0
SALCETE	Utorda	68	14	0	0	1	0	0	0	0	0
SALCETE	Utorda	70	1	2	0	0	0	0	0	0	0
SALCETE	Varca	162	3	8	0	0	0	0	0	0	0
SALCETE	Varca	162	1	13	0	0	0	0	0	0	0
SALCETE	Varca	178	1	2	0	3	4	0	0	0	0
SALCETE	Varca	180	2	3	0	0	1	0	0	0	0
SALCETE	Varca	179	1	0	0	2	0	0	0	0	1
SALCETE	Varca	200	8	0	0	1	0	0	0	0	0
SALCETE	Varca	201	3	1	0	0	0	0	0	0	0
SALCETE	Varca	218	13	2	0	0	0	0	0	0	0
SALCETE	Varca	219	4	0	0	0	0	0	1	2	0
SALCETE	Varca	218	5	0	0	0	0	0	0	2	0
SALCETE	Varca	177	2	1	0	0	5	0	0	0	6
SALCETE	Varca	177	1	0	0	0	1	0	0	0	0
SALCETE	Varca	216	2-D	1	1	0	0	0	3	0	0
SALCETE	Varca	217	2	1	0	0	0	0	0	0	0
SALCETE	Varca	138	1-E	0	0	3	0	0	0	0	0
SALCETE	Varca	220	11	2	3	0	0	0	1	0	0
SALCETE	Varca	216	9	1	1	0	0	0	0	0	0
SALCETE	Varca	216	7	1	1	0	0	0	3	0	0
SALCETE	Varca	216	4	0	1	0	0	0	2	0	0
SALCETE	Varca	132	1	7	0	1	0	0	1	0	0
SALCETE	Varca	212	1	3	0	0	0	0	3	0	8
SALCETE	Varca	211	1-B	1	0	0	0	0	0	0	0
SALCETE	Varca	217	6	2	0	0	0	0	1	0	0
SALCETE	Varca	125	6	0	0	3	0	0	0	0	0
SALCETE	Varca	125	7	0	0	2	0	0	0	0	0
SALCETE	Varca	125	8	0	0	1	0	0	0	0	0
SALCETE	Varca	125	1	1	0	37	0	0	0	0	0
SALCETE	Varca	127	86	0	2	0	0	0	0	0	0
SALCETE	Varca	211	1	0	0	29	0	0	0	1	9
SALCETE	Varca	176	1	1	0	0	9	0	0	0	0
SALCETE	Varca	211	1-A	3	0	0	0	0	0	0	0
SALCETE	Varca	164	1	1	0	0	0	0	3	1	0
SALCETE	Varca	220	8	1	0	0	0	0	0	0	0
SALCETE	Varca	216	8	2	0	0	0	0	0	0	0
SALCETE	Varca	216	2-A	1	0	0	0	0	0	0	0
SALCETE	Varca	220	1	2	0	0	0	0	0	0	0



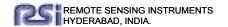
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
SALCETE	Varca	124	1	0	1	2	0	0	1	0	0
SALCETE	Varca	132	45	0	0	1	0	0	0	0	0
SALCETE	Varca	132	36	0	0	1	0	0	0	0	0
SALCETE	Varca	174	1	0	1	0	0	0	0	0	0
SALCETE	Varca	125	15	0	0	1	0	0	0	0	0
SALCETE	Varca	125	12	0	0	1	0	0	0	0	0
SALCETE	Varca	133	4	3	0	0	0	0	0	0	0
SALCETE	Varca	202	1	1	0	0	0	0	0	0	0
SALCETE	Varca	212	2	0	0	0	0	0	1	0	0
SALCETE	Varca	125	13	0	0	2	0	0	0	0	0
SALCETE	Varca	125	14	0	0	2	0	0	0	0	0
SALCETE	Varca	137	1	0	0	0	0	0	1	0	0
SALCETE	Varca	210	31	0	0	0	0	0	0	0	1
SALCETE	Varca	216	2-C	0	1	0	0	0	0	0	0
QUEPEM	Nagurim	105	13	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	105	16	2	0	0	0	0	0	0	0
QUEPEM	Naqurim	105	14	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	106	2-A	2	0	0	0	0	0	0	0
QUEPEM	Naqurim	106	1-A	0	0	0	0	0	0	1	0
QUEPEM	Naqurim	106	1	5	0	0	0	0	0	0	0
QUEPEM	Naqurim	105	21	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	105	20	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	116	1	2	2	0	0	0	2	0	2
QUEPEM	Naqurim	119	5	2	0	0	0	0	0	0	0
QUEPEM	Naqurim	115	1	0	3	0	8	0	1	1	0
QUEPEM	Naqurim	107	1	4	0	0	0	0	0	0	0
QUEPEM	Naqurim	108	14	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	108	13	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	106	6	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	106	14	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	106	10	2	0	0	0	0	0	0	0
QUEPEM	Naqurim	105	7	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	104	41	3	0	0	0	0	0	0	0
QUEPEM	Naqurim	112	6	7	0	0	0	0	0	0	0
QUEPEM	Naqurim	111	9	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	111	8	0	0	0	0	0	0	0	1
QUEPEM	Naqurim	105	2	9	0	0	0	0	0	0	0
QUEPEM	Naqurim	111	10	7	0	0	0	0	0	1	0
QUEPEM	Naqurim	89	2	5	0	0	0	0	2	0	0
QUEPEM	Naqurim	108	20	4	0	0	0	0	1	0	0
QUEPEM	Naqurim	105	8	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	116	10	1	1	0	0	0	0	0	0
QUEPEM	Naqurim	104	37	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	108	21	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	108	18	1	0	0	0	0	1	0	0



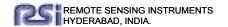
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
QUEPEM	Nagurim	108	7	1	0	0	0	0	0	0	0
QUEPEM	Nagurim	105	11	0	0	0	0	0	1	0	0
QUEPEM	Nagurim	105	22	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	105	17	1	0	0	0	0	0	0	0
QUEPEM	Nagurim	104	42	1	0	0	0	0	0	0	0
QUEPEM	Nagurim	112	3	2	0	0	0	0	0	0	0
QUEPEM	Nagurim	116	9	2	0	0	0	0	3	0	0
QUEPEM	Naqurim	112	1	1	0	0	0	0	1	0	0
QUEPEM	Naqurim	119	4	2	0	0	0	0	0	0	0
QUEPEM	Nagurim	105	9	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	112	2	3	2	0	0	0	0	0	0
QUEPEM	Naqurim	116	8	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	116	7	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	116	6	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	116	5	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	116	4	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	116	3	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	116	2	1	0	0	0	0	0	0	0
QUEPEM	Naqurim	113	1	0	0	0	0	0	1	0	0
QUEPEM	Quitol	79	1	0	0	1	0	0	3	0	0
QUEPEM	Quitol	76	1	0	0	1	0	0	0	0	0
QUEPEM	Quitol	72	1	0	2	0	0	0	0	0	0
QUEPEM	Quitol	83	1	0	2	0	0	0	0	0	0
QUEPEM	Quitol	80	2	0	1	0	0	0	0	0	0
CANACONA	Agonda	130	16	2	0	0	0	0	1	0	0
CANACONA	Agonda	130	13	1	0	0	0	0	0	0	0
CANACONA	Agonda	130	12	0	0	0	0	0	0	0	1
CANACONA	Agonda	149	21	1	0	0	0	0	0	0	0
CANACONA	Agonda	126	5-A	3	0	0	0	0	0	0	0
CANACONA	Agonda	126	5	35	1	7	0	0	7	2	2
CANACONA	Agonda	149	1	5	0	0	0	0	1	0	0
CANACONA	Agonda	8	1	16	1	6	1	0	7	0	0
CANACONA	Agonda	7	2	3	0	0	0	0	2	0	0
CANACONA	Agonda	105	3	3	0	0	0	0	0	0	0
CANACONA	Agonda	103	12	1	0	0	0	0	0	1	0
CANACONA	Agonda	136	5	0	0	0	0	0	0	1	0
CANACONA	Agonda	104	3	2	0	0	0	0	0	0	0
CANACONA	Agonda	104	5	1	0	0	0	0	1	0	0
CANACONA	Agonda	1	1	2	2	1	0	0	1	2	0
CANACONA	Agonda	118	22	0	0	0	0	1	0	1	0
CANACONA	Agonda	103	10	3	0	0	0	0	0	1	0
CANACONA	Agonda	104	18	1	0	0	0	0	0	0	0
CANACONA	Agonda	104	13	0	0	2	0	0	0	0	1
CANACONA	Agonda	104	14	0	0	1	0	0	0	0	0
CANACONA	Agonda	103	14	1	0	0	0	0	1	0	0



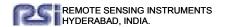
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
CANACONA	Agonda	103	11	2	0	0	0	0	0	0	0
CANACONA	Agonda	103	16	3	0	0	0	0	0	1	0
CANACONA	Agonda	101	5	0	0	0	0	0	1	0	0
CANACONA	Agonda	103	9	2	0	0	0	0	0	0	0
CANACONA	Agonda	104	16	1	0	0	0	0	0	0	0
CANACONA	Agonda	116	14	0	0	1	0	0	0	0	0
CANACONA	Agonda	135	28	1	0	0	0	0	0	0	0
CANACONA	Agonda	137	1	9	0	0	0	0	5	1	0
CANACONA	Agonda	135	23,20	0	0	0	0	0	1	0	0
CANACONA	Agonda	132	13	1	0	0	0	0	0	1	0
CANACONA	Agonda	104	26	1	0	1	0	0	0	0	0
CANACONA	Agonda	104	27	1	0	0	0	0	0	0	0
CANACONA	Agonda	99	3	4	0	0	0	0	0	0	1
CANACONA	Agonda	101	3	1	1	0	0	0	1	1	0
CANACONA	Agonda	130	20	10	0	1	0	0	0	0	0
CANACONA	Agonda	133	1	0	0	4	3	0	0	0	0
CANACONA	Agonda	129	5	2	0	0	0	0	2	0	0
CANACONA	Agonda	127	3	1	0	0	0	0	0	0	0
CANACONA	Agonda	126	20	1	0	0	0	0	0	0	0
CANACONA	Agonda	105	5	0	0	2	0	0	0	0	0
CANACONA	Agonda	104	21	1	0	2	0	0	0	0	0
CANACONA	Agonda	99	1	1	0	0	0	0	0	0	0
CANACONA	Agonda	104	20	0	0	0	0	0	0	2	0
CANACONA	Agonda	7	3	3	0	0	0	0	0	0	0
CANACONA	Agonda	137	5	0	0	0	0	0	0	1	0
CANACONA	Agonda	135	27	1	0	0	0	0	0	0	0
CANACONA	Agonda	102	15	1	0	0	0	0	1	0	0
CANACONA	Agonda	101	11	1	0	0	0	0	0	0	0
CANACONA	Agonda	104	25	0	0	0	1	0	0	0	0
CANACONA	Agonda	101	9	1	0	1	0	0	0	0	0
CANACONA	Agonda	104	22	1	0	0	0	0	0	0	0
CANACONA	Agonda	104	23	1	0	0	0	0	0	0	0
CANACONA	Agonda	104	24	1	0	0	0	0	0	0	0
CANACONA	Agonda	101	7	2	0	0	0	0	1	0	0
CANACONA	Agonda	129	29	1	0	0	0	0	1	0	0
CANACONA	Agonda	135	5	1	1	0	0	0	0	0	0
CANACONA	Agonda	132	24	1	0	0	0	0	1	1	0
CANACONA	Agonda	132	18	0	0	0	0	0	1	0	0
CANACONA	Agonda	132	16	2	0	0	0	0	0	0	0
CANACONA	Agonda	135	26	1	0	0	0	0	0	0	0
CANACONA	Agonda	135	29	1	0	0	0	0	0	0	0
CANACONA	Agonda	135	<u></u> 1	1	0	1	0	0	0	0	0
CANACONA	Agonda	132	27	2	0	0	0	0	0	1	0
CANACONA	Agonda	126	5-D	0	0	0	0	0	0	0	1
CANACONA	Agonda	130	9	1	0	0	0	0	0	1	0



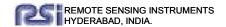
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
CANACONA	Agonda	130	8	1	0	0	0	0	0	0	0
CANACONA	Agonda	127	5	5	0	0	2	0	0	0	0
CANACONA	Agonda	129	9	0	0	0	0	0	1	0	0
CANACONA	Agonda	137	20	1	0	0	0	0	0	1	0
CANACONA	Agonda	137	13	0	0	0	0	0	1	0	0
CANACONA	Agonda	137	6	2	0	0	0	0	0	0	0
CANACONA	Agonda	137	19	1	0	0	0	0	0	0	0
CANACONA	Agonda	137	10	1	0	0	0	0	0	2	0
CANACONA	Agonda	136	28	0	0	0	0	0	1	0	0
CANACONA	Agonda	129	3	1	0	0	0	0	0	0	0
CANACONA	Agonda	99	4	1	0	1	0	0	0	0	0
CANACONA	Agonda	104	33	0	1	0	0	0	0	0	0
CANACONA	Agonda	104	30	0	0	1	0	0	0	0	0
CANACONA	Agonda	104	31	1	0	0	0	0	0	0	0
CANACONA	Agonda	104	28	1	0	0	1	0	0	0	0
CANACONA	Agonda	104	29	1	0	1	0	0	0	0	0
CANACONA	Agonda	104	6	1	0	0	0	0	0	0	0
CANACONA	Agonda	104	7	0	0	0	0	0	1	0	0
CANACONA	Agonda	102	16	0	1	0	0	0	2	0	0
CANACONA	Agonda	117	7	1	0	0	0	0	0	0	0
CANACONA	Agonda	116	5	1	0	0	0	0	0	0	0
CANACONA	Agonda	137	14	1	0	0	0	0	0	0	0
CANACONA	Agonda	135	8	2	0	0	0	0	0	0	0
CANACONA	Agonda	135	24	1	0	0	0	0	0	0	0
CANACONA	Agonda	128	21	0	0	0	0	0	1	0	0
CANACONA	Agonda	126	16	2	0	0	0	0	0	0	0
CANACONA	Agonda	127	2	2	0	0	0	0	0	1	0
CANACONA	Agonda	126	12	2	0	0	0	0	0	0	0
CANACONA	Agonda	128	18	1	0	0	0	0	0	0	0
CANACONA	Agonda	135	9	1	0	0	0	0	0	0	0
CANACONA	Agonda	129	7	0	0	0	0	0	1	0	0
CANACONA	Agonda	127	4	2	0	0	0	0	0	0	0
CANACONA	Agonda	7	4	4	0	0	0	0	0	0	0
CANACONA	Agonda	135	4	5	0	0	0	0	0	0	0
CANACONA	Agonda	135	11,13,16	1	0	0	0	0	0	0	0
CANACONA	Agonda	132	14	1	0	0	0	0	0	0	0
CANACONA	Agonda	132	12	1	0	0	0	0	0	0	0
CANACONA	Agonda	103	4	1	0	0	0	0	0	0	0
CANACONA	Agonda	103	7	1	0	0	0	0	0	0	0
CANACONA	Agonda	103	8	0	1	0	0	0	0	0	0
CANACONA	Agonda	133	11	2	0	0	0	0	0	0	0
CANACONA	Agonda	127	23	1	0	1	0	0	0	0	0
CANACONA	Agonda	103	15	1	0	0	0	0	1	0	0
CANACONA	Agonda	104	12	1	0	0	0	0	0	0	0
CANACONA	Agonda	103	1	1	0	0	0	0	0	0	0



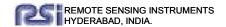
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
CANACONA	Agonda	103	13	1	0	0	0	0	0	0	0
CANACONA	Agonda	103	2	1	0	0	0	0	0	0	0
CANACONA	Agonda	103	3	1	0	0	0	0	0	0	0
CANACONA	Agonda	97	8	1	0	0	0	0	0	0	0
CANACONA	Agonda	97	7	8	0	0	0	0	0	0	0
CANACONA	Agonda	127	13	1	0	0	0	0	0	1	0
CANACONA	Agonda	129	10	1	0	0	0	0	0	0	0
CANACONA	Agonda	144	10	2	0	0	0	0	0	0	0
CANACONA	Agonda	96	21	1	0	0	0	0	0	0	0
CANACONA	Agonda	132	9	2	0	0	0	0	0	0	0
CANACONA	Agonda	128	17	0	0	0	0	0	2	0	0
CANACONA	Agonda	137	21	1	0	0	0	0	0	0	0
CANACONA	Agonda	130	4	1	0	0	0	0	1	0	0
CANACONA	Agonda	129	27	2	0	0	0	0	0	0	0
CANACONA	Agonda	144	53	0	0	0	0	0	1	0	0
CANACONA	Agonda	144	44	1	0	0	0	0	0	0	0
CANACONA	Agonda	129	18	3	0	0	0	0	1	0	0
CANACONA	Agonda	127	16	1	0	0	0	0	0	0	0
CANACONA	Agonda	132	26	1	0	0	0	0	0	0	0
CANACONA	Agonda	132	23	0	0	0	0	0	0	1	0
CANACONA	Agonda	144	58,60	1	0	0	0	0	0	0	0
CANACONA	Agonda	129	20	1	0	0	0	0	0	0	0
CANACONA	Agonda	127	17	1	0	0	0	0	0	0	0
CANACONA	Agonda	127	12	1	0	0	0	0	0	0	0
CANACONA	Agonda	126	14	0	0	0	0	0	0	0	1
CANACONA	Agonda	135	7	0	0	1	0	0	0	0	0
CANACONA	Agonda	129	26	1	0	0	0	0	0	0	0
CANACONA	Agonda	129	13	1	0	0	0	0	0	0	0
CANACONA	Agonda	144	57	0	0	0	0	0	0	1	0
CANACONA	Cola	80	8	2	0	1	0	0	1	0	0
CANACONA	Cola	80	18	0	0	0	0	0	1	0	0
CANACONA	Cola	80	15	4	0	0	0	0	0	0	0
CANACONA	Cola	238	1	49	15	28	0	0	6	0	0
CANACONA	Cola	255	26	0	0	2	0	0	0	0	0
CANACONA	Cola	257	5	1	0	0	0	0	0	0	0
CANACONA	Cola	124	1	10	1	6	2	0	7	1	1
CANACONA	Cola	127	1	3	1	2	0	0	2	1	0
CANACONA	Cola	80	10	3	0	1	0	0	0	0	0
CANACONA	Cola	252	2	5	3	4	0	0	0	0	0
CANACONA	Cola	124	4	1	0	0	0	0	0	0	0
CANACONA	Cola	239	24	1	0	0	0	0	0	0	0
CANACONA	Cola	239	12	1	0	0	0	0	0	0	0
CANACONA	Cola	274	2	1	0	0	0	0	0	0	0
CANACONA	Cola	294	13	1	0	0	0	0	0	0	0
CANACONA	Cola	294	12	2	0	0	0	0	0	0	0



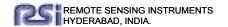
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
CANACONA	Cola	294	10	1	0	0	0	0	0	0	0
CANACONA	Cola	296	-	1	0	0	0	0	0	0	0
CANACONA	Cola	80	14	1	0	0	0	0	0	0	0
CANACONA	Cola	80	13	1	0	0	0	0	1	0	0
CANACONA	Cola	80	12	2	0	0	0	0	0	0	0
CANACONA	Cola	80	3	20	0	6	0	0	2	0	1
CANACONA	Cola	337	2	0	0	0	0	0	0	0	1
CANACONA	Cola	297	4	0	0	0	0	0	1	0	0
CANACONA	Cola	294	11	1	0	0	0	0	0	0	0
CANACONA	Cola	294	9	1	0	0	0	0	0	0	0
CANACONA	Cola	294	8	1	0	0	0	0	0	0	0
CANACONA	Cola	340	1	0	0	1	0	0	0	0	0
CANACONA	Cola	342	8	1	1	2	0	0	0	0	0
CANACONA	Cola	348	1	0	1	3	0	0	0	0	0
CANACONA	Cola	348	14	0	0	1	0	0	0	0	0
CANACONA	Cola	123	4	5	0	1	0	0	0	0	0
CANACONA	Cola	123	5	7	0	1	0	0	0	0	0
CANACONA	Cola	80	7	6	0	0	0	0	0	0	0
CANACONA	Cola	133	1	0	0	0	0	0	0	0	1
CANACONA	Cola	135	1	1	0	0	0	0	1	0	0
CANACONA	Cola	348	10	0	0	1	0	0	0	0	0
CANACONA	Cola	348	11	0	0	1	0	0	0	0	0
CANACONA	Cola	348	12	0	0	1	0	0	0	0	0
CANACONA	Cola	348	15	0	0	1	0	0	0	0	0
CANACONA	Cola	348	16	0	0	1	0	0	0	0	0
CANACONA	Cola	348	21	0	0	1	0	0	0	0	0
CANACONA	Cola	348	22	0	0	2	0	0	0	0	0
CANACONA	Cola	342	6	1	0	0	0	0	0	0	0
CANACONA	Cola	342	19	1	0	0	0	0	0	0	0
CANACONA	Cola	342	7	0	1	0	0	0	0	0	0
CANACONA	Cola	347	8	0	0	0	0	0	1	0	0
CANACONA	Cola	347	10	0	0	1	0	0	0	0	0
CANACONA	Cola	347	1	0	0	0	0	0	1	0	0
CANACONA	Cola	346	346	0	0	0	0	0	1	0	0
CANACONA	Cola	158	1	0	0	0	1	0	0	0	0
CANACONA	Cola	257	11	3	0	0	0	0	0	0	0
CANACONA	Cola	133	2	0	0	0	0	0	0	0	1
CANACONA	Cola	80	3-D	0	0	0	0	0	1	0	0
CANACONA	Cola	123	3	0	0	1	0	0	0	0	0
CANACONA	Cola	342	5	2	0	0	0	0	0	0	0
CANACONA	Cola	129	1	0	0	0	0	0	0	0	1
CANACONA	Cola	131	2	0	0	0	0	0	0	0	1
CANACONA	Cola	252	1	1	0	0	0	0	0	0	0
CANACONA	Cola	372	9	0	0	0	1	0	0	0	0
CANACONA	Cola	371	1	1	0	0	0	1	1	0	0



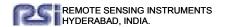
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
CANACONA	Cola	371	7	0	0	0	0	0	1	0	0
CANACONA	Cola	239	13	10	0	0	0	0	0	0	0
CANACONA	Cola	164	1	1	0	0	0	0	0	0	0
CANACONA	Cola	162	1	0	0	0	0	0	1	0	0
CANACONA	Cola	161	3	0	0	0	0	0	1	0	0
CANACONA	Cola	178	1	2	0	0	0	0	0	0	0
CANACONA	Cola	177	177	1	0	0	0	0	0	0	1
CANACONA	Cola	257	12	1	0	0	0	0	0	0	0
CANACONA	Cola	257	9	1	0	0	0	0	0	0	0
CANACONA	Cola	257	6	1	0	0	0	0	0	0	0
CANACONA	Cola	253	6	1	0	0	0	0	0	0	0
CANACONA	Cola	239	86	1	0	0	0	0	0	0	0
CANACONA	Cola	169	10	0	0	0	0	0	0	0	1
CANACONA	Cola	248	2	1	0	0	0	0	0	0	0
CANACONA	Cola	250	1	1	0	0	0	0	0	0	0
CANACONA	Cola	255	16	1	0	0	0	0	0	0	0
CANACONA	Cola	255	24	1	0	1	0	0	0	0	0
CANACONA	Loliem	351	6-A	1	0	0	0	0	0	0	0
CANACONA	Loliem	355	1	1	0	0	0	0	3	0	0
CANACONA	Loliem	354	3	2	0	0	0	0	0	0	0
CANACONA	Loliem	3	5	5	0	0	0	0	0	0	0
CANACONA	Loliem	304	1	1	0	0	0	0	0	0	0
CANACONA	Loliem	316	11	2	0	0	0	0	0	0	0
CANACONA	Loliem	310	2	1	0	0	0	0	0	0	0
CANACONA	Loliem	316	10	2	0	1	0	0	0	0	0
CANACONA	Loliem	316	5	1	1	2	0	0	0	0	0
CANACONA	Loliem	316	1	1	0	0	0	0	0	0	0
CANACONA	Loliem	319	1	1	2	1	0	0	0	0	0
CANACONA	Loliem	348	2	1	0	0	0	0	1	0	0
CANACONA	Loliem	352	1	0	0	0	0	0	1	0	0
CANACONA	Loliem	3	4	1	0	0	0	0	0	0	0
CANACONA	Loliem	3	6	4	0	0	0	1	1	1	0
CANACONA	Loliem	62	9	1	0	0	0	0	1	0	0
CANACONA	Loliem	5	15	1	0	0	0	0	0	0	0
CANACONA	Loliem	5	4	2	0	0	0	0	0	0	1
CANACONA	Loliem	5	7	4	0	0	1	0	0	0	1
CANACONA	Loliem	5	9	2	0	0	1	0	0	0	1
CANACONA	Loliem	62	2	2	0	0	0	0	0	0	0
CANACONA	Loliem	5	19	0	0	0	0	0	0	0	1
CANACONA	Loliem	5	23	2	0	0	0	0	0	0	0
CANACONA	Loliem	5	6	1	0	0	0	0	0	0	0
CANACONA	Loliem	3	7	1	0	0	0	0	0	0	0
CANACONA	Loliem	3	3	1	0	0	0	0	0	0	0
CANACONA	Loliem	5	24	1	0	0	0	0	0	0	0
CANACONA	Loliem	5	11	1	0	0	0	0	0	0	0



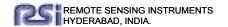
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
CANACONA	Loliem	62	8	1	0	0	0	0	0	0	0
CANACONA	Loliem	5	14	0	0	0	0	0	0	0	1
CANACONA	Loliem	61	1	3	0	0	0	0	0	0	0
CANACONA	Loliem	5	22	0	0	0	0	0	0	0	1
CANACONA	Loliem	5	2	1	0	0	0	0	0	0	0
CANACONA	Loliem	5	5	0	0	0	2	0	0	0	0
CANACONA	Loliem	62	17	2	0	0	0	0	0	0	0
CANACONA	Loliem	62	11	1	0	0	0	0	0	0	0
CANACONA	Loliem	5	10	1	0	0	0	0	0	0	0
CANACONA	Loliem	6	1	1	0	0	0	0	0	1	1
CANACONA	Loliem	332	2	0	0	7	0	0	0	0	0
CANACONA	Loliem	62	13	1	0	0	0	0	0	0	0
CANACONA	Loliem	62	14	1	0	0	0	0	0	0	0
CANACONA	Loliem	62	15	1	0	0	1	0	0	0	0
CANACONA	Loliem	6	3	1	0	0	0	0	0	0	0
CANACONA	Loliem	3	1	2	0	0	0	0	1	0	0
CANACONA	Loliem	62	1	1	0	0	0	0	0	1	0
CANACONA	Loliem	5	16	2	0	0	0	0	0	0	0
CANACONA	Loliem	62	10	3	0	0	0	0	0	0	0
CANACONA	Loliem	5	18	1	0	0	0	0	0	0	0
CANACONA	Loliem	4	6	1	0	0	0	0	0	0	0
CANACONA	Loliem	62	3	2	0	0	0	0	0	0	0
CANACONA	Loliem	5	20	2	0	0	0	0	0	0	0
CANACONA	Loliem	62	4	1	0	0	0	0	0	0	0
CANACONA	Loliem	62	5	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	133	24	4	0	0	0	0	2	0	0
CANACONA	Nagorcem Palolem	133	20	3	0	0	0	0	1	1	0
CANACONA	Nagorcem Palolem	133	23	4	0	0	0	0	3	1	0
CANACONA	Nagorcem Palolem	132	22	5	0	0	0	0	1	4	0
CANACONA	Nagorcem Palolem	132	15	0	0	0	0	0	1	2	0
CANACONA	Nagorcem Palolem	105	7	0	0	0	0	0	0	1	0
CANACONA	Nagorcem Palolem	105	6	0	0	0	0	0	0	1	0
CANACONA	Nagorcem Palolem	107	2	2	0	0	0	0	2	0	0
CANACONA	Nagorcem Palolem	116	10	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	117	6	1	0	0	0	0	0	0	2



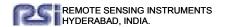
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
CANACONA	Nagorcem Palolem	116	2	10	0	0	1	0	3	1	0
CANACONA	Nagorcem Palolem	135	1	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	136	3	0	0	0	0	0	0	0	1
CANACONA	Nagorcem Palolem	118	11	0	0	0	1	0	0	1	0
CANACONA	Nagorcem Palolem	107	4	1	0	2	0	0	2	0	0
CANACONA	Nagorcem Palolem	104	13	2	0	0	0	0	0	1	0
CANACONA	Nagorcem Palolem	98	1	0	0	1	0	0	0	0	0
CANACONA	Nagorcem Palolem	106	1	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	104	8	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	118	10	0	0	1	0	0	0	0	0
CANACONA	Nagorcem Palolem	133	42	2	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	133	40	1	0	0	0	0	1	1	0
CANACONA	Nagorcem Palolem	118	3	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	133	17	1	0	1	0	0	0	0	0
CANACONA	Nagorcem Palolem	118	2	1	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	120	26	0	0	4	0	0	0	0	0
CANACONA	Nagorcem Palolem	117	2	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	133	34	3	0	0	0	0	4	0	0
CANACONA	Nagorcem Palolem	80	1	3	0	0	0	0	4	0	0
CANACONA	Nagorcem Palolem	135	5	4	0	0	0	0	4	1	0
CANACONA	Nagorcem Palolem	135	2	0	0	0	0	0	0	4	0
CANACONA	Nagorcem Palolem	136	4	2	0	0	0	0	2	0	0
CANACONA	Nagorcem Palolem	134	7	2	0	0	0	0	0	0	0



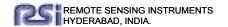
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
CANACONA	Nagorcem Palolem	118	12	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	134	8	2	0	0	0	0	0	2	1
CANACONA	Nagorcem Palolem	133	18	0	0	0	0	0	2	0	0
CANACONA	Nagorcem Palolem	133	33	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	65	21	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	61	2	8	5	1	2	1	2	1	1
CANACONA	Nagorcem Palolem	83	9	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	83	5	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	85	2	10	0	0	0	0	0	1	0
CANACONA	Nagorcem Palolem	132	10	2	0	4	0	0	4	4	0
CANACONA	Nagorcem Palolem	135	22	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	135	15	5	0	0	0	0	3	0	0
CANACONA	Nagorcem Palolem	136	7	3	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	70	1	5	1	6	0	0	1	0	3
CANACONA	Nagorcem Palolem	77	4	1	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	78	1	6	0	0	1	0	0	1	0
CANACONA	Nagorcem Palolem	28	1	10	1	1	0	0	7	0	0
CANACONA	Nagorcem Palolem	33	1	0	0	0	0	0	11	0	0
CANACONA	Nagorcem Palolem	135	3	5	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	32	6	0	0	0	1	0	0	0	0
CANACONA	Nagorcem Palolem	32	7	0	0	0	1	0	0	0	0
CANACONA	Nagorcem Palolem	32	2	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	116	6	2	0	0	0	0	0	1	0



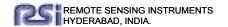
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
CANACONA	Nagorcem Palolem	116	9	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	135	10	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	120	21	5	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	132	23	2	0	0	0	0	0	0	1
CANACONA	Nagorcem Palolem	134	5	6	0	1	2	0	2	2	1
CANACONA	Nagorcem Palolem	132	17	3	0	1	0	0	0	0	0
CANACONA	Nagorcem Palolem	124	16	1	3	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	124	19	8	0	1	1	0	0	1	0
CANACONA	Nagorcem Palolem	132	5	4	0	0	0	0	0	1	0
CANACONA	Nagorcem Palolem	37	4	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	70	2	0	0	0	0	0	0	0	2
CANACONA	Nagorcem Palolem	134	3	4	0	0	0	0	3	0	0
CANACONA	Nagorcem Palolem	124	12	1	0	3	0	0	0	0	2
CANACONA	Nagorcem Palolem	125	3	3	0	0	1	0	1	2	0
CANACONA	Nagorcem Palolem	132	11	2	0	0	0	0	2	0	0
CANACONA	Nagorcem Palolem	120	34	0	0	0	0	0	2	0	0
CANACONA	Nagorcem Palolem	120	23	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	133	1	5	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	132	13	3	0	1	1	0	2	0	1
CANACONA	Nagorcem Palolem	115	1	1	0	0	0	0	0	0	1
CANACONA	Nagorcem Palolem	118	33	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	69	16	2	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	34	21	1	0	1	0	0	0	0	0



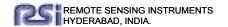
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
CANACONA	Nagorcem Palolem	36	20	1	0	1	0	0	0	0	0
CANACONA	Nagorcem Palolem	36	18	0	1	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	77	3	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	76	1	2	0	0	2	0	0	0	0
CANACONA	Nagorcem Palolem	84	9	5	0	1	0	0	0	0	0
CANACONA	Nagorcem Palolem	104	3	1	0	6	0	0	1	0	0
CANACONA	Nagorcem Palolem	118	32	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	135	6	1	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	135	19	0	0	0	0	0	5	0	0
CANACONA	Nagorcem Palolem	120	27	0	0	2	0	0	0	0	0
CANACONA	Nagorcem Palolem	61	3	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	85	1	2	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	133	13	1	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	132	20	1	0	0	0	0	0	3	0
CANACONA	Nagorcem Palolem	132	18	0	0	0	0	0	1	2	0
CANACONA	Nagorcem Palolem	133	39	0	0	0	0	0	2	0	0
CANACONA	Nagorcem Palolem	133	12	1	0	1	0	0	0	0	0
CANACONA	Nagorcem Palolem	134	11	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	134	4	5	0	0	0	0	0	1	0
CANACONA	Nagorcem Palolem	134	6	0	0	1	0	0	1	0	0
CANACONA	Nagorcem Palolem	65	33	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	65	51	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	36	10	0	1	1	1	0	0	0	0



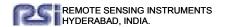
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
CANACONA	Nagorcem Palolem	36	9-A	3	0	0	1	0	0	6	0
CANACONA	Nagorcem Palolem	36	9	1	0	0	1	0	0	1	0
CANACONA	Nagorcem Palolem	61	7	5	0	0	1	0	0	0	0
CANACONA	Nagorcem Palolem	133	38	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	117	5	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	117	4	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	137	2	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	135	16	3	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	117	10	1	0	3	0	0	0	0	0
CANACONA	Nagorcem Palolem	117	1	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	133	11	5	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	133	47	0	0	0	0	0	0	0	1
CANACONA	Nagorcem Palolem	132	16	1	0	0	0	0	1	0	1
CANACONA	Nagorcem Palolem	120	25	3	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	101	1	0	0	0	0	0	0	1	0
CANACONA	Nagorcem Palolem	31	33	0	1	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	30	2	5	0	0	3	0	5	0	0
CANACONA	Nagorcem Palolem	37	1	1	0	1	0	0	0	0	0
CANACONA	Nagorcem Palolem	37	38	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	135	4	4	0	0	0	0	2	1	0
CANACONA	Nagorcem Palolem	65	50	0	0	0	0	0	0	0	4
CANACONA	Nagorcem Palolem	65	11	0	0	0	1	0	0	0	0
CANACONA	Nagorcem Palolem	65	49	0	0	0	0	0	0	0	3



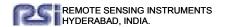
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
CANACONA	Nagorcem Palolem	70	8	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	69	15	1	0	0	0	0	0	1	0
CANACONA	Nagorcem Palolem	132	7	1	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	131	9	0	0	0	0	0	0	2	0
CANACONA	Nagorcem Palolem	132	4	7	0	0	0	0	4	1	0
CANACONA	Nagorcem Palolem	132	24	2	0	0	0	0	1	4	1
CANACONA	Nagorcem Palolem	65	53	1	0	0	0	0	3	0	0
CANACONA	Nagorcem Palolem	117	12	1	2	3	0	0	0	0	0
CANACONA	Nagorcem Palolem	120	22	1	0	0	0	0	0	2	0
CANACONA	Nagorcem Palolem	132	19	4	0	0	0	0	3	0	0
CANACONA	Nagorcem Palolem	36	7	1	0	2	1	0	0	0	0
CANACONA	Nagorcem Palolem	65	43	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	134	9	4	0	2	0	0	0	0	0
CANACONA	Nagorcem Palolem	132	21	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	118	27	1	0	0	0	0	1	1	0
CANACONA	Nagorcem Palolem	134	13	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	118	7	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	118	26	2	0	0	0	0	1	1	0
CANACONA	Nagorcem Palolem	132	3	2	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	132	2	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	124	6	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	69	6	0	0	1	0	0	0	0	0
CANACONA	Nagorcem Palolem	69	4	0	0	1	0	0	0	0	0



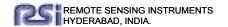
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
CANACONA	Nagorcem Palolem	133	3	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	132	12	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	134	12	0	0	1	0	0	1	0	0
CANACONA	Nagorcem Palolem	134	10	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	118	24	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	65	37	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	124	15	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	133	22	4	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	118	6	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	133	14	2	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	29	1	0	0	0	0	0	11	0	0
CANACONA	Nagorcem Palolem	132	14	0	0	0	0	0	0	1	0
CANACONA	Nagorcem Palolem	105	2	0	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	105	5	0	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	117	9	0	0	1	0	0	1	0	0
CANACONA	Nagorcem Palolem	132	9	2	0	2	0	0	0	0	0
CANACONA	Nagorcem Palolem	98	8	3	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	101	2	1	0	0	0	0	2	0	0
CANACONA	Nagorcem Palolem	82	12	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	85	1-D	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	84	8	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	84	2	0	0	1	0	0	0	0	0
CANACONA	Nagorcem Palolem	83	12	0	0	1	0	0	1	0	0



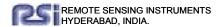
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
CANACONA	Nagorcem Palolem	84	5	5	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	82	30,28,31	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	83	8	2	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	82	2	0	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	85	1-C	0	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	82	11	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	85	1-A	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	98	19	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	83	15	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	135	23	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	125	2	3	0	0	0	0	0	1	0
CANACONA	Nagorcem Palolem	125	1	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	131	2	0	0	0	0	0	0	1	0
CANACONA	Nagorcem Palolem	65	54	0	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	79	1	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	133	44	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	133	7	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	133	46	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	133	43	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	132	8	1	0	2	0	0	0	0	0
CANACONA	Nagorcem Palolem	124	11	0	0	0	0	0	0	0	1
CANACONA	Nagorcem Palolem	117	8	0	0	2	0	0	0	0	0
CANACONA	Nagorcem Palolem	116	3	0	0	0	0	0	1	0	0



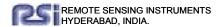
Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
CANACONA	Nagorcem Palolem	65	52	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	133	29	0	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	84	6	3	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	135	12	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	135	7	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	37	5	1	0	0	1	0	0	0	0
CANACONA	Nagorcem Palolem	69	1	0	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	118	9	0	0	1	0	0	0	0	0
CANACONA	Nagorcem Palolem	118	8	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	133	41	2	0	0	0	0	2	0	0
CANACONA	Nagorcem Palolem	133	21	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	133	4	4	0	0	0	0	0	1	0
CANACONA	Nagorcem Palolem	133	45	5	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	120	29	0	0	0	0	0	0	1	0
CANACONA	Nagorcem Palolem	134	1	3	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	37	10	1	0	0	0	0	0	1	0
CANACONA	Nagorcem Palolem	77	6	0	0	0	0	0	0	1	0
CANACONA	Nagorcem Palolem	85	1-J	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	132	6	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	131	3	0	0	1	0	0	0	0	0
CANACONA	Nagorcem Palolem	31	27	1	0	0	1	0	0	2	0
CANACONA	Nagorcem Palolem	32	5	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	31	1	0	0	0	1	0	0	0	0



Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
CANACONA	Nagorcem Palolem	32	1	0	0	0	1	0	0	0	0
CANACONA	Nagorcem Palolem	32	3	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	37	7	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	37	9	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	37	11	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	40	1	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	37	8	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	36	19	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	37	25	0	0	0	1	0	0	0	0
CANACONA	Nagorcem Palolem	37	20	1	0	0	0	0	0	1	0
CANACONA	Nagorcem Palolem	37	19	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	37	18	0	0	0	0	0	0	1	0
CANACONA	Nagorcem Palolem	37	17	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	77	7	0	0	1	0	0	0	0	0
CANACONA	Nagorcem Palolem	84	3	0	0	2	0	0	0	0	0
CANACONA	Nagorcem Palolem	104	1	0	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	116	8	0	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	137	1	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	135	20	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	135	17	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	30	41	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	36	14	0	0	1	0	0	0	0	0
CANACONA	Nagorcem Palolem	37	2	0	0	1	0	0	0	0	0



Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
CANACONA	Nagorcem Palolem	65	19	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	83	7	3	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	99	10	0	0	0	0	0	0	1	0
CANACONA	Nagorcem Palolem	118	1	0	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	120	30	1	0	2	0	0	0	0	0
CANACONA	Nagorcem Palolem	133	36	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	117	3	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	61	5	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	37	22	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	135	11	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	135	13	0	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	85	1-K	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	85	1-G	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	85	1-F	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	85	9	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	83	2	3	0	1	0	0	0	0	0
CANACONA	Nagorcem Palolem	133	9	1	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	133	16	1	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	134	2	2	0	0	0	0	0	0	0
CANACONA	Nagorcem Palolem	137	3	0	0	0	0	0	1	0	0
CANACONA	Nagorcem Palolem	135	18	2	0	0	0	0	0	0	0
CANACONA	Poingunim	171	1	13	2	0	1	0	3	3	4
CANACONA	Poingunim	193	1	20	0	1	1	3	2	1	0
CANACONA	Poingunim	171	4	0	0	0	0	0	0	0	1
CANACONA	Poingunim	179	9	2	0	0	0	0	1	0	0



Taluka	Village Name	Survey No	Sub - division No	1991	1993	1998	1999	2002	2003	2005	2006
CANACONA	Poingunim	179	2	7	0	0	0	0	0	0	0
CANACONA	Poingunim	170	29	0	0	0	0	0	2	2	0
CANACONA	Poingunim	179	7	1	0	0	0	0	0	0	0
CANACONA	Poingunim	165	32	0	0	1	0	0	0	0	0
CANACONA	Poingunim	165	31	1	0	0	0	0	0	0	0
CANACONA	Poingunim	178	27	0	0	0	0	0	0	1	0
CANACONA	Poingunim	179	8	1	0	0	0	0	0	1	0
CANACONA	Poingunim	170	40	1	0	0	0	0	0	0	0
CANACONA	Poingunim	179	12	2	0	0	0	0	0	0	0
CANACONA	Poingunim	183	4	1	0	0	0	0	0	0	0
CANACONA	Poingunim		-	0	2	0	0	0	0	0	0
CANACONA	Poingunim	165	6	14	0	1	0	0	1	1	1
CANACONA	Poingunim	179	6	0	0	0	0	1	0	0	0
CANACONA	Poingunim	181	28	0	0	0	0	1	0	0	0
CANACONA	Poingunim	180	24	0	0	0	0	1	0	0	0
CANACONA	Poingunim	188	2	0	0	0	0	0	1	0	0
CANACONA	Poingunim	188	1	9	1	0	0	1	0	0	1
CANACONA	Poingunim	165	6-F	1	0	0	0	0	0	0	0
CANACONA	Poingunim	180	23	2	0	0	0	0	0	0	0
CANACONA	Poingunim	180	7	1	0	0	0	0	0	0	0
CANACONA	Poingunim	173	1	2	0	0	0	0	0	0	0
CANACONA	Poingunim	192	-	1	0	0	0	0	1	0	2
CANACONA	Poingunim	180	16	0	0	0	0	2	0	0	0
CANACONA	Poingunim	180	14	2	0	0	0	0	0	0	0
CANACONA	Poingunim	183	9	0	0	0	0	0	1	0	1
CANACONA	Poingunim	180	2	2	0	0	0	0	2	0	0
CANACONA	Poingunim	184	24	0	0	0	0	0	1	0	1
CANACONA	Poingunim	171	8	0	0	0	1	0	0	0	1
CANACONA	Poingunim	174	36	1	0	0	0	0	0	0	0
CANACONA	Poingunim	171	3	1	0	0	0	0	0	0	0
CANACONA	Poingunim	171	5	0	0	0	1	0	0	0	0
CANACONA	Poingunim	171	9	1	0	0	0	0	0	0	0
CANACONA	Poingunim	171	7	0	0	0	1	0	0	0	0
CANACONA	Poingunim	170	35	1	0	0	0	0	0	0	0
CANACONA	Poingunim	185	34	0	0	0	0	0	0	0	1
CANACONA	Poingunim	179	5	1	0	0	0	0	0	0	0
CANACONA	Poingunim	178	4	0	0	0	0	0	1	0	0
CANACONA	Poingunim	180	21	1	0	0	0	1	0	0	0
CANACONA	Poingunim	180	19	2	0	0	0	1	0	0	0
CANACONA	Poingunim	180	17	1	0	0	0	0	0	0	0
CANACONA	Poingunim	180	11	1	0	0	0	0	0	0	0
CANACONA	Poingunim	180	8	0	0	0	0	0	1	0	0

