

Water Supply Management System

(Gujarat)

A. Surface Scenario - Gujarat State : (Pie Chart in %)

1. Geographical Area

1. India : 3065000 (Sq. Km.)
2. Gujarat : 196024 (Sq. Km.)

2. Population

1. India : 121.01 (Crore)
2. Gujarat : 6.03 (Crore)

3. Water Availability

1. India : 1869000 (MCM)
2. Gujarat : 38000 (Crore)

B. Connectivity through Water Grid : (Bar Chart)

| | Villages | Towns |
|------------------------------|----------|-------|
| Total | 17843 | 350 |
| Narmada Based Water Grid | 8049 | 159 |
| Open Source Based Water Grid | 3807 | 34 |
| Individual WSS | 5987 | 157 |

C. Household Tap Water Connectivity : (Bar Chart, Find Prediction for Current year based on previous records)

1. 2002 :
 1. 26.6 %
2. 2010 :
 1. 57.3 %
3. 2011 :
 1. 72.22 %
4. 2016 :
 1. 77.65 %
5. 2019 :
 1. ???

D. Life Condition After Woman Participation (On basis of German Survey on Kutch) : (Bar Chart)

| Condition | Before | After |
|-----------|--------|-------|
| Poor | 53.8 | 7.7 |
| Basic | 44.2 | 17.3 |
| Advanced | 0 | 48.1 |
| Good | 0 | 26.9 |

E. Sample City (For Instance ‘Ahmedabad’) : (Bar Chart)

| Year | | Expected Supply | Supplied |
|------|----------|-----------------|----------|
| 2015 | Farm | | |
| | Industry | | |
| | Housing | | |
| 2016 | Farm | | |
| | Industry | | |
| | Housing | | |
| 2017 | Farm | | |
| | Industry | | |
| | Housing | | |
| 2018 | Farm | | |
| | Industry | | |
| | Housing | | |
| 2019 | Farm | | |
| | Industry | | |
| | Housing | | |

F. Decadal Growth in Urban Population of Gujarat City : (Bar Chart)

| Year | Total | Rural | Urban |
|------|-------|-------|-------|
| 1901 | 9.09 | 7.06 | 2.03 |
| 1911 | 9.80 | 7.92 | 1.89 |
| 1921 | 10.17 | 8.12 | 2.05 |
| 1931 | 11.49 | 9.13 | 2.36 |
| 1941 | 13.70 | 10.44 | 3.26 |
| 1951 | 16.26 | 11.83 | 4.43 |
| 1961 | 20.63 | 15.32 | 5.32 |
| 1971 | 26.70 | 19.20 | 7.50 |
| 1981 | 34.09 | 23.48 | 10.60 |
| 1991 | 41.31 | 27.06 | 14.25 |
| 2001 | 50.67 | 31.74 | 18.93 |
| 2011 | 60.38 | 34.67 | 25.71 |

G. Ground Water Availability in Gujarat : (Pie Chart)

| Region | Total |
|-------------------------|-------|
| Central & South Gujarat | 33% |
| North Gujarat | 27% |
| Saurashtra | 36% |
| Kutch | 4% |

H. Surface Water Availability in Gujarat (2010) : (Pie Chart)

| Region | Total |
|-------------------------|-------|
| Central & South Gujarat | 83% |
| North Gujarat | 6% |
| Saurashtra | 9% |
| Kutch | 2% |

I. Geo-Hydrological Conditions in Gujarat (WASMO SURVEY) : (Pie Chart)

| Region | Total |
|------------------------------------|-------|
| Hard Rock Area | 56% |
| Saline Area | 18% |
| Area Feasible For Well Development | 18% |
| Low Yield Area | 7% |
| Limestone Area | 1% |

J. Irrigation Statistics of Gujarat from the Year 2000 to 2007 (WASMO SURVEY) : (Pie Chart)

| Year | Estima ted Popula tion (‘000) | Geographical Area | Reporting Area | Net Sown Area | Total cultivable Area | Gross sown Area | Gross irrigated Area | Net Irrigated Area |
|---------|---|----------------------|-------------------|---------------------|-----------------------------|-----------------------|----------------------------|--------------------------|
| 2000-01 | 50671 | 19602 | 18639 | 9433 | 12354 | 10440 | 3342 | 2806 |
| 2001-02 | 51556 | 19602 | 18639 | 9622 | 12357 | 10734 | 3572 | 2994 |
| 2002-03 | 52429 | 19602 | 18868 | 9481 | 12411 | 10631 | 3637 | 3046 |
| 2003-04 | 53290 | 19602 | 18868 | 9852 | 12412 | 11421 | 4111 | 3388 |
| 2004-05 | 54140 | 19602 | 18868 | 9747 | 12410 | 11257 | 4280 | 3528 |
| 2005-06 | 54979 | 19602 | 18868 | 9747 | 12410 | 11277 | 4420 | 3528 |
| 2006-07 | 55808 | 19602 | 18868 | 9747 | 12410 | 12175 | 4977 | 3528 |

Note :

- Create CSV to store & retrieve this records