

WATER SECTOR AT A GLANCE

Item				
1.	Estimated Total Potential (Total Hydrology & H)	1898	BCM	
2.	Geographical Area	328.7	Million Hectare	
3.	i) Census Population - 2001	1028.74	Million	
	ii) Projected Population - 2008	1144.73	Million	
4.	Estimated Annual Rainfall 2006	3818.89	BCM	Table 1.5
5.	Average Annual Potential in Rivers	1869	BCM	Table 1.2
6.	i) Per Capita Water Availability (2001)	1816	Cu.M..	
	ii) Per Capita Water Availability (2008)	1633	Cu.M..	
7.	Estimated Utilisable Water			
	i) Surface	690	BCM	Table 1.2
	ii) Ground	433	BCM	Table 1.25
	iii) Total	1123	BCM	
8.	a) Live Storage Capacity	396.57	BCM	Table 1.7
	i) Completed Projects	225.14	BCM	
	ii) Projects Under Construction	63.89	BCM	
	iii) Projects Under Consideration	107.54	BCM	
	b) Storage Position of 81 Important Reservoirs (June 2005 to May 2006)			Table 1.9 BCM
	Sl. No.	Month	Total Live Storage	Actual Storage Percentage of actual Storage
	1.	June-05	151.768	19.674 13
	2.	July-05	151.768	68.017 45
	3.	Aug-05	151.768	102.326 67
	4.	Sept-05	151.768	114.642 76
	5.	Oct-05	151.768	114.434 75
	6.	Nov-05	151.768	100.019 66
	7.	Dec-05	151.768	90.695 60
	8.	Jan-06	151.768	75.893 50
	9.	Feb-06	151.768	61.602 41
	10.	Mar-06	151.768	48.924 32
	11.	Apr-06	151.768	36.531 24
	12.	May-06	151.768	30.859 20
9.	Irrigation Potential			Table 2.9

9.1	At the time of Independence (Pre-Plan)		
	Created & Utilised	22.6	Million Ha.
	i) Major & Medium	9.7	Million Ha.
	ii) Minor Irrigation	12.9	Million Ha.
	a) Surface Water	6.4	Million Ha.

9.2	Potential Created				Table 2.9
		(Th.Ha.)			
	Period	Major. & Med.	Surface Water	Minor Ground Water	Total Major Med & Minor
	VI Plan (1980-85)	1083	1698	5823	7521 8604
	VII Plan (1985-90)	2225	1289	7797	9086 11311
	Annual Plan (1990-92)	821	470	3273	3743 4564
	VIII Plan (1992-97)	#	843	6702	7545 #
	IX Plan (1997-2002)	4097	N.A.	N.A.	12935 17032
	X Plan (2002-07)	5296	1847	3725	5572 10867
	XI Plan Target	9000	1500	4500	7000* 16000
	# : Reappraised figures are not available.				
	*: 1 Million Ha. is the target under Minor Irrigation for restoration of water bodies and ERM				
	N.A. : Bifurcation not available due to revision of figures in third Minor Irrigation Census.				

9.3	Major & Medium (Surface Water)	Table 1.27, 2.16(B)	
	i) Ultimate	58.5	Million Ha.
	ii) Created (Upto 2005-06)	40.8	Million Ha.
	iii) Utilised (Upto 2005-06)	33.5	Million Ha.

9.4	Minor Irrigation	Table 1.27, 2.16(B)	
	(a) Surface Water		
	i) Ultimate	17.3	Million Ha.
	ii) Created (Upto 2005-06)	13.8	Million Ha.
	iii) Utilised (Upto 2005-06)	8.2	Million Ha.
	(b) Ground Water		
	i) Ultimate	64.1	Million Ha.
	ii) Created (Upto 2005-06)	66.2	Million Ha.
	iii) Utilised (Upto 2005-06)	47.9	Million Ha.
	(c) Total (Surface & Ground)		
	i) Ultimate	81.4	Million Ha.
	ii) Created (Upto 2005-06)	80.0	Million Ha.
	iii) Utilised (Upto 2005-06)	56.1	Million Ha.

9.5	Total (Major & Medium + Minor)	Table 1.27, 2.16(B)	
	i) Ultimate	139.9	Million Ha.
	ii) Created (Upto 2005-06)	120.9	Million Ha.
	iii) Utilised (Upto 2005-06)	89.5	Million Ha.

10.	Number of Major, Medium & ERM Irrigation Projects	Table 2.17	
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	(Tentative / Under finalisation)	Major Projects	Medium Projects	ERM
	i) Completed in Pre Plan	74	143	-
	ii) Completed in Plan Period upto IX Plan	154	774	87
	iii) Likely to be Completed in X Plan	48	91	39
	iv) Spilled over Projects in XI Plan	166	222	89
	v) Spilled over New Projects in XII Plan	78	148	88
11.	CAD Programme			Table 2.19
11.1	Projects			
	i) No. of Projects (As on 30.09.2005)		312	
	ii) Total Irrigation Potential Created		22.7	Million Ha.
	iii) Total Irrigation Potential Utilised		16.2	Million Ha.
11.2	Physical Achievement up to March 2007(Cumulative)			
	i) Field Channels		18068.7	'000 Ha Table 2.20
	ii) Land Levelling (Upto March 2004)		2235.4	'000 Ha Table 2.21
	iii) Warabandi		11304.9	'000 Ha Table 2.22
	iv) Field Drains		1765.4	'000 Ha Table 2.23
12.	Land Classification (2005-06)			Table 2.1
	Geographical Area		328.73	Million Ha
	Reporting Area		305.27	Million Ha
	Forest Area		69.79	Million Ha
	Not Available for Cultivation		42.50	Million Ha
	Other uncultivated land excluding Fallow Land		26.91	Million Ha
	Fallow Land		24.18	Million Ha
	Net Area Sown		141.89	Million Ha
	Gross Sown Area (Total Cropped Area)		192.80	Million Ha
	Total Cultivable Land		179.68	Million Ha
	Total Cultivated Land		155.56	Million Ha
13.	Area Irrigated (2005-06)			Table 2.1
	i) Gross		82.63	Million Ha.
	ii) Net		60.20	Million Ha.
14.	Net Area Irrigated by Source (2005-06)			Table 2.8
	i) Canals		15.5	Million Ha.
	ii) Tanks		2.0	Million Ha.
	iii) Wells		35.4	Million Ha.
	iv) Others		7.3	Million Ha.
	Total		60.2	Million Ha.
15.	Area & Production of Total Foodgrain			Table 3.1
	Year	Area (Million Ha.)	Production (Million Tonnes)	
	1950-51	97.3	50.8	
	1980-81	126.7	129.6	
	1990-91	127.8	176.4	
	2000-01	121.1	196.8	
	2003-04	123.4	213.2	
	2004-05	120.1	198.4	
	2005-06	121.6	208.6	

16.	Foodgrain Production (2005-06)				Table3.1	
	i) Rice		91.8	<i>Million Tonne</i>		
	ii) Wheat		69.4	<i>Million Tonne</i>		
	iii) Coarse Cereals		34.1	<i>Million Tonne</i>		
	iv) Pulses		13.4	<i>Million Tonne</i>		
	Total		208.6	<i>Million Tonne</i>		
17.	Expenditure on Irrigation Sector				Table4.1	
	(Rs.Million)					
	Period	Major & Medium	Minor	CAD	Total	% of Expenditure on Irrigation to Total
	First Plan (1951-56)	5702	656	Nil	4418	25
	Seventh Plan (1985-90)	111073	61929	14475	187477	9
	Annual Plan (1990-91)	26348	14878	2856	44082	8
	Annual Plan (1991-92)	28240	15181	3338	46759	7
	Eighth Plan (1992-97)	216692	104724	19379	340795	7
	Ninth Plan (1997-02)	492896	112967	22228	628091	7
	Tenth Plan (2002-07)	712132	176640	41967	930739	6
	Annual Plan (2002-03) (Actual Expenses)	96557	23115	4426	124098	6
	Annual Plan (2003-04) (Actual Expenses)	110464	25926	3751	140140	6
	Annual Plan (2004-05) (Revised Approved Outlay)	154831	34073	5361	194264	10
	Annual Plan (2005-06) (Approved Outlay)	202088	37727	5386	245200	10
18.	Land Degradation				Table 5.1	
	a) Area Affected Due to					
	i) Water Erosion				93.68	<i>Million Ha.</i>
	ii) Wind Erosion				9.48	<i>Million Ha.</i>
	Total (a)				103.16	<i>Million Ha.</i>
	b) Area Affected due to other Causes					
	i) Water Logging				14.30	<i>Million Ha.</i>
	ii) Salinity / Alkacity				5.94	<i>Million Ha.</i>
	iii) Soil Acidity				16.03	<i>Million Ha.</i>
	iv) Complex Problem				7.38	<i>Million Ha.</i>
Total (b)				43.65	<i>Million Ha.</i>	
Total Degraded Area (a + b)				146.82	<i>Million Ha.</i>	
19.	Districts covered under drought prone area programme (DPAP / As on April 2008)				Table 5.3	
	i) No. of States				16	<i>No.</i>
	ii) No. of Districts				188	<i>No.</i>
	iii) No. of Blocks				972	<i>No.</i>
	iv) Area of Blocks				745914	<i>Sq.Km</i>
20.	Flood Damages during 2007				Table 5.12	
	i) Area Affected				13.85	<i>Million Ha.</i>
	ii) Cropped Area Affected				16.84	<i>Million Ha.</i>

	iii)	Value of Damages to Crops		17609		<i>Rs. Million</i>	
	iv)	Population Affected		56.44		<i>Million</i>	
	v)	Human Lives Lost		3213		<i>No.</i>	
	vi)	Cattle lost		126		<i>Th. Nos.</i>	
	vii)	No. of Houses Damage		3459		<i>Th. Nos.</i>	
	viii)	Value of Damaged Houses		1276		<i>Rs. Crores</i>	
	ix)	Damage to Public Utility		2333		<i>Rs. Crores</i>	
	x)	Total Loss to Crop, House and Public Utility		7312		<i>Rs. Crores</i>	
21.		Flood Management Programme					
21.1	a)	Year of Commencement		1958		<i>Table 5.16</i>	
	b)	Flood Prone Area		40		<i>Million Ha.</i>	
	c)	Area Benefited upto March 2006		18.22		<i>Million Ha.</i>	
21.2		Anticipated Expenditure of Xth Plan				<i>Table 5.13</i>	
	a)	Total		5966		<i>Rs. Crores</i>	
	b)	States/UT's		4562		<i>Rs. Crores</i>	
	c)	Central Sector		1403		<i>Rs. Crores</i>	
22.		Flood Forecasting Performance (Between 1.5.2005 and 31.10.2005)				<i>Table 5.19</i>	
	i)	No. of Flood Forecasting Stations Operated		173			
	ii)	No. of Flood Forecasting Stations which issued Forecast		132			
	iii)	Total No. of Forecasts issued		5618			
	iv)	Total No. Correct Forecasts within (+/-15cm)/(+/-20% cumecs)		5423 96.55%			
23.		Projected water demand	MOWR	NCIWRD		<i>Table 5.21</i>	
		Year	2010	2025	2010	2025	
	i)	Irrigation	688	910	557	611	<i>Billion Cubic Meter</i>
	ii)	Drinking Water	56	73	43	62	<i>Billion Cubic Meter</i>
	iii)	Industry	12	23	37	67	<i>Billion Cubic Meter</i>
	iv)	Energy	5	15	19	33	<i>Billion Cubic Meter</i>
	v)	Other	52	72	54	70	<i>Billion Cubic Meter</i>
		<i>Total</i>	813	1093	710	843	<i>Billion Cubic Meter</i>