

## **BRIEF NOTE ON LIVE STORAGE STATUS OF 91 RESERVOIRS IN THE COUNTRY (WITH REFERENCE TO RESERVOIR STORAGE BULLETIN OF 15.02.2018)**

### **1. ALL INDIA STATUS**

Central Water Commission is monitoring live storage status of 91 reservoirs of the country on weekly basis and is issuing weekly bulletin on every Thursday. Out of these reservoirs, 37 reservoirs have hydropower benefit with installed capacity of more than 60 MW. The total live storage capacity of these 91 reservoirs is 161.993 BCM which is about 63% of the live storage capacity of 257.812 BCM which is estimated to have been created in the country. As per reservoir storage bulletin dated **15.02.2018**, live storage available in these reservoirs is **63.597 BCM**, which is **39%** of total live storage capacity of these reservoirs. However, last year the live storage available in these reservoirs for the corresponding period was **72.007 BCM** and the average of last 10 years live storage was **69.762 BCM**. Thus, the live storage available in 91 reservoirs **as per 15.02.2018 Bulletin** is **88%** of the live storage of corresponding period of last year and **91%** of storage of average of last ten years.

The overall storage position is **less than the** corresponding period of last year in the country as a whole and is also **less than the** average storage of last ten years during the corresponding period.

### **2. REGION WISE STORAGE STATUS:**

#### **a) NORTHERN REGION**

The northern region includes States of Himachal Pradesh, Punjab and Rajasthan. There are 6 reservoirs under CWC monitoring having total live storage capacity of 18.01 BCM. As per Reservoir Storage Bulletin dated **15.02.2018**, the total live storage available in these reservoirs is **6.60 BCM** which is **37%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **34%** and average storage of last ten years during corresponding period was **38%** of live storage capacity of these reservoirs. Thus, storage during current year is better than the corresponding period of last year but is less than the average storage of last ten years during the corresponding period.

#### **b) EASTERN REGION**

The Eastern region includes States of Jharkhand, Odisha, West Bengal and Tripura. There are 15 reservoirs under CWC monitoring having total live storage capacity of 18.83 BCM. As per Reservoir Storage Bulletin dated **15.02.2018**, the total live storage available in these reservoirs is **11.48 BCM** which is **61%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **68%** and average storage of last ten years during corresponding period was **55%** of live storage capacity of these reservoirs. Thus, storage during current year is less than the corresponding period of last year but is better than the average storage of last ten years during the corresponding period.

#### **c) WESTERN REGION**

The Western region includes States of Gujarat and Maharashtra. There are 27 reservoirs under CWC monitoring having total live storage capacity of 31.26 BCM. As per Reservoir Storage Bulletin dated **15.02.2018**, the total live storage available in these reservoirs is **13.21 BCM** which is **42%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **51%** and average storage of last ten years during corresponding period was **46%** of live storage capacity of these reservoirs. Thus, storage during current year is less than the storage of last year and is also less than the average storage of last ten years during the corresponding period.

**d) CENTRAL REGION**

The Central region includes States of Uttar Pradesh, Uttarakhand, Madhya Pradesh and Chhattisgarh. There are 12 reservoirs under CWC monitoring having total live storage capacity of 42.30 BCM. As per Reservoir Storage Bulletin dated **15.02.2018**, the total live storage available in these reservoirs is **16.28 BCM** which is **38%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **59%** and average storage of last ten years during corresponding period was **43%** of live storage capacity of these reservoirs. Thus, storage during current year is less than the storage of last year and is also less than the average storage of last ten years during the corresponding period.

**e) SOUTHERN REGION**

The Southern region includes States of Andhra Pradesh, Telangana, AP&TG (2combined projects in both states), Karnataka, Kerala and Tamil Nadu. There are 31 reservoirs under CWC monitoring having total live storage capacity of 51.59 BCM. As per Reservoir Storage Bulletin dated **15.02.2018**, the total live storage available in these reservoirs is **16.04 BCM** which is **31%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **24%** and average storage of last ten years during corresponding period was **39%** of live storage capacity of these reservoirs. Thus, storage during current year is better than the corresponding period of last year but is less than the average storage of last ten years during the corresponding period.

The region wise and reservoir wise details are given in the following pages of the Bulletin.

**BROAD ANALYSIS OF OTHER TABLES IN THE BULLETIN**

- Normal storage means average storage of last ten years, Close to normal storage means where shortfall is upto 20% of normal, deficient storage is where shortfall is more than 20% of the normal and upto 60% of the normal, highly deficient means where shortfall is more than 60% of normal.
- In the table on page 4, better than normal storage is available in Ganga, Mahi, Mahanadi & Neighbouring East Flowing Rivers and Rivers of Kutch. Close to Normal in Indus, Sabarmati, Godavari, Krishna, and West Flowing Rivers of South. Deficient in Narmada, Tapi and Cauvery & neighbouring EFRs basin and NIL in Highly Deficient.
- Table on page 5-7 of the bulletin. The numbers of reservoirs having storage more than last year are **43** and reservoirs having storage more than average of last ten years are **41**. The numbers of reservoirs having storage less than 20% with respect to last year is **3** and having storage less than 20% with reference to average of last ten years is **6**. The number of reservoirs having storage less than or equal to 50% with respect to last year are **11** and having storage less than or equal to 50% with reference to average of last ten years are **14**.

\*\*\*\*\*

**Disclaimer:** The Data contained in this Bulletin is as received from the State Government/Project Authorities.

# STORAGE STATUS OF IMPORTANT RESERVOIRS IN THE COUNTRY

AS ON 15.02.2018

- Central Water Commission is monitoring storage status of 91 important reservoirs spread all over the country, in which **37** reservoirs have hydropower benefit each with installed capacity of more than 60 MW. These reservoirs are identified thus(\*) in the enclosed weekly report.
- The total live storage in 91 important reservoirs in different parts of the country, monitored by CWC as on **15.02.2018** is **63.597** BCM ( **39** percent of the live storage capacity at FRL ).The current year's storage is nearly **88** percent of last year's storage and **91** percent of the average of last ten years.

## 3 Region wise storage status:-

REGION (Monitoring No. of Reservoirs)	Filling position of 91 reservoirs w.r.t. FRL								Departure from Normal storage		
	100%	91%-99%	81%-90%	71%-80%	61%-70%	51%-60%	41%-50%	40% & below			
<b>NORTH</b> (HP,Punjab & Rajasthan), (6 Resv.)	-	-	-	-	-	1	2	3	H.P.	-1	%
									PUNJAB	-36	%
									RAJASTHAN	11	%
<b>EAST</b> (Jharkhand,Odisha, Tripura & W.Bengal ( 15 Resv.)	2	-	3	1	2	-	5	2	JHARKHAND	11	%
									ODISHA	3	%
									W. BENGAL	115	%
									TRIPURA	170	%
<b>WEST</b> (Guj.& Mah.), (27 Resv.)	-	-	2	3	7	5	1	9	GUJARAT	-33	%
									MAH.	19	%
<b>CENTRAL</b> (MP,UP,Uttarakhand & Chh.), (12 Resv)	-	-	-	-	1	3	1	7	U.P.	-7	%
									UTTARAKHAND	-21	%
									M.P.	-10	%
									CHHATISGARH	-4	%
<b>SOUTH</b> (Karnataka,TN,AP&TG,AP, TG, & Kerala), ( 31 Resv.)	-	2	-	1	-	2	6	20	AP&TG	-36	%
									A,P	-40	%
									TG	0	%
									KARNATAKA	-12	%
									KERALA	14	%
									T.N.	-63	%
Status of 91 reservoirs	2	2	5	5	10	11	15	41			

## 4 Basin wise storage position:

**Better than normal:** Ganga,Mahi, Mahanadi & Neighbouring EFRS,and Rivers of Kutch .

**Close to normal:** Indus,Sabarmati,Godavari,Krishna and West Flowing Rivers of South .

**Deficient:** Narmada , Tapi and Cauvery & neighbouring EFRS .

**Highly deficient:** NIL

- Out of 91 reservoirs, **56** reservoirs reported more than 80% of normal storage & **35** reservoirs reported 80% or below of normal storage. Out of these **35** reservoirs **14** having storage upto 50% of normal storage.

Name of reservoir	%	Name of reservoir	%
SHOLAYAR	0		
ALIYAR	0		
SARDAR SAROVAR	6		
VANIVILAS SAGAR	12		
ISAPUR	13		
YELDARI	19		
TAWA	27		
PARAMBIKULAM	31		
METTUR(STANLEY)	39		
LOWER BHAWANI	40		
PENCH (TOTALADOH)	40		
BALIMELA	42		
TILAIYA	45		
BARNA	49		

<b>21</b> reservoirs having storage 51% to 80% of normal storage.		
51% to 60%	61% to 70%	71% to 80%
4	9	8

- Out of **37** reservoirs with significant(\*) hydropower generation, the storage build up is less than or equal to normal in

**24** reservoirs.

NOTE : **Normal:** Average of previous ten years, **Close to normal:** Where shortfall is up to 20% of the normal, **Deficient:** Where shortfall is more than 20% of the normal and up to 60% of the normal, **Highly deficient** : Where shortfall is more than 60% of the normal

## WEEKLY REPORT - BASINWISE

GOVERNMENT OF INDIA

CENTRAL WATER COMMISSION

WEEK ENDING :- 15.02.2018

NAME OF BASIN	LIVE CAP. AT FRL	THIS YEAR'S STORAGE		LAST YEAR'S STORAGE		LAST 10 YEARS' AVG. STORAGE		% DEPARTURE W.R.T. AVE. OF 10 YEARS'
GANGA	28.096	11.703	41.65%	16.415	58.42%	11.682	41.58%	<b>0.18</b>
INDUS	14.730	5.164	35.06%	4.511	30.62%	5.476	37.18%	<b>-5.70</b>
NARMADA	21.608	5.522	25.56%	9.691	44.85%	7.695	35.61%	<b>-28.24</b>
TAPI	7.394	2.773	37.50%	5.363	72.53%	4.154	56.18%	<b>-33.25</b>
MAHI	4.012	2.207	55.01%	2.421	60.34%	2.032	50.65%	<b>8.61</b>
SABARMATI	0.735	0.228	31.02%	0.379	51.56%	0.280	38.10%	<b>-18.57</b>
RIVERS OF KUTCH	0.887	0.365	41.15%	0.162	18.26%	0.251	28.30%	<b>45.42</b>
GODAVARI	15.394	6.370	41.38%	8.664	56.28%	6.807	44.22%	<b>-6.42</b>
KRISHNA	32.831	10.904	33.21%	7.138	21.74%	12.087	36.82%	<b>-9.79</b>
MAHANADI & NEIGHBOURING EFRS	13.181	8.853	67.16%	9.529	72.29%	7.998	60.68%	<b>10.69</b>
CAUVERY& NEIGHBOURING EFRS	8.359	2.037	24.37%	1.401	16.76%	3.493	41.79%	<b>-41.68</b>
WEST FLOWING RIVERS OF SOUTH	14.766	7.471	50.60%	6.333	42.89%	7.807	52.87%	<b>-4.30</b>
<b>TOTAL</b>	<b>161.993</b>	<b>63.597</b>		<b>72.007</b>		<b>69.762</b>		
<b>PERCENTAGE</b>								<b>-8.84</b>

## WEEKLY REPORT OF 91 IMPORTANT RESERVOIRS OF INDIA

GOVERNMENT OF INDIA

CENTRAL WATER COMMISSION

WEEK ENDING :- 15.02.2018

S. NO	NAME OF RESERVOIR	FRL (m)	CURRENT RESERVOIR LEVEL (m)	LIVE CAPACITY AT FRL (BCM)	CURRENT LIVE STORAGE (BCM)	DATE	STORAGE AS % OF LIVE CAPACITY AT FRL			BENEFITS	
							CURRENT YEAR	LAST YEAR	LAST 10 YEARS AVERAGE	IRR. (CCA) IN TH. HA	HYDEL IN MW
1	2	4	6	5	7	8	9	10	11	3A	3B
<b>NORTHERN REGION</b>											
<b><u>HIMACHAL PRADESH</u></b>											
*1	GOBIND SAGAR(BHAKRA)	512.06	488.39	6.229	2.725	15-02-2018	44	29	42	676	1200
*2	PONG DAM	423.67	403.74	6.157	1.970	14-02-2018	32	31	34	-	360
<b><u>PUNJAB</u></b>											
*3	THEIN	527.91	496.11	2.344	0.469	15-02-2018	20	36	31	348	600
<b><u>RAJASTHAN</u></b>											
*4	MAHI BAJAJ SAGAR	280.75	274.50	1.711	1.002	15-02-2018	59	65	45	63	140
5	JHAKAM	359.50	350.05	0.132	0.055	15-02-2018	42	47	30	28	-
*6	RANA PRATAP SAGAR	352.81	346.55	1.436	0.375	15-02-2018	26	27	33	229	172
<b><u>EASTERN REGION</u></b>											
<b><u>JHARKHAND</u></b>											
7	TENUGHAT	269.14	259.32	0.821	0.390	15-02-2018	48	51	43	-	-
8	MAITHON	146.3	148.17	0.471	0.471	15-02-2018	100	100	76	342	-
*9	PANCHET HILL	124.97	125.91	0.184	0.184	15-02-2018	100	100	77	\$	80
10	KONAR	425.81	419.89	0.176	0.081	15-02-2018	46	63	66	\$	-
11	TILAIYA	368.81	364.96	0.142	0.028	15-02-2018	20	53	44	\$	4
<b><u>ODISHA</u></b>											
*12	HIRAKUD	192.02	189.80	5.378	3.465	13-02-2018	64	69	66	153	307
*13	BALIMELA	462.08	445.86	2.676	0.539	15-02-2018	20	68	48	-	360
14	SALANADI	82.30	70.72	0.558	0.232	14-02-2018	42	31	32	42	-
*15	RENGALI	123.50	121.95	3.432	2.910	15-02-2018	85	85	55	3	200
*16	MACHKUND(JALPUT)	838.16	836.71	0.893	0.760	15-02-2018	85	55	67	-	115
*17	UPPER KOLAB	858.00	852.52	0.935	0.465	15-02-2018	50	74	51	89	320
*18	UPPER INDRAVATI	642.00	634.65	1.456	0.717	15-02-2018	49	68	58	128	600
<b><u>WEST BENGAL</u></b>											
19	MAYURAKSHI	121.31	119.38	0.480	0.400	15-02-2018	83	41	37	227	-
20	KANGSABATI	134.14	130.45	0.914	0.615	15-02-2018	67	41	32	341	-
<b><u>TRIPURA</u></b>											
21	GUMTI	93.55	91.60	0.312	0.224	13-02-2018	72	54	27	-	15
<b><u>WESTERN REGION</u></b>											
<b><u>GUJARAT</u></b>											
*22	UKAI	105.16	95.96	6.615	2.449	15-02-2018	37	74	58	348	300
23	SABARMATI(DHAROI)	189.59	183.13	0.735	0.228	15-02-2018	31	52	38	95	1
*24	KADANA	127.7	122.91	1.472	0.746	15-02-2018	51	61	57	200	120
25	SHETRUNJI	55.53	52.07	0.300	0.104	15-02-2018	35	38	48	36	-
26	BHADAR	107.89	103.92	0.188	0.061	15-02-2018	32	6	31	27	-
27	DAMANAGANGA	79.86	76.75	0.502	0.342	15-02-2018	68	63	67	51	1
28	DANTIWADA	184.1	177.97	0.399	0.200	15-02-2018	50	9	12	45	-
29	PANAM	127.41	125.05	0.697	0.404	15-02-2018	58	52	53	36	2
*30	SARDAR SAROVAR	138.68	111.29	5.760	0.070	15-02-2018	1	23	19	2120	1450
31	KARJAN	115.25	109.46	0.523	0.358	15-02-2018	68	53	67	51	3

## WEEKLY REPORT OF 91 IMPORTANT RESERVOIRS OF INDIA

GOVERNMENT OF INDIA

CENTRAL WATER COMMISSION

WEEK ENDING :- 15.02.2018

S. NO	NAME OF RESERVOIR	FRL (m)	CURRENT RESERVOIR LEVEL (m)	LIVE CAPACITY AT FRL (BCM)	CURRENT LIVE STORAGE (BCM)	DATE	STORAGE AS % OF LIVE CAPACITY AT FRL			BENEFITS	
							CURRENT YEAR	LAST YEAR	LAST 10 YEARS AVERAGE	IRR. (CCA) IN TH. HA	HYDEL IN MW
1	2	4	6	5	7	8	9	10	11	3A	3B
<b>MAHARASHTRA</b>											
32	JAYAKWADI(PAITHON)	463.91	462.11	2.171	1.524	15-02-2018	70	57	32	227	-
*33	KOYANA	657.90	653.44	2.652	2.188	14-02-2018	83	55	68	-	1920
34	BHIMA(UJJANI)	496.83	495.82	1.517	1.191	15-02-2018	79	63	51	125	12
35	ISAPUR	441.00	427.13	0.965	0.056	14-02-2018	6	33	44	104	-
36	MULA	552.30	549.12	0.609	0.450	15-02-2018	74	66	49	139	-
37	YELDARI	461.77	449.15	0.809	0.040	15-02-2018	5	18	26	78	-
38	GIRNA	398.07	388.87	0.524	0.163	14-02-2018	31	53	28	79	-
39	KHADAKVASLA	582.47	580.43	0.056	0.030	14-02-2018	54	64	55	78	8
*40	UPPER VAITARNA	603.50	600.27	0.331	0.227	14-02-2018	69	71	70	-	61
41	UPPER TAPI	214.00	212.28	0.255	0.161	14-02-2018	63	69	71	45	-
*42	PENCH (TOTALADOH)	490.00	473.21	1.091	0.172	14-02-2018	16	20	39	127	160
43	UPPER WARDHA	342.50	339.37	0.564	0.318	15-02-2018	56	58	50	70	-
44	BHATSA	142.07	129.04	0.942	0.624	14-02-2018	66	67	62	29.378	15
45	DHOM	747.70	741.77	0.331	0.207	14-02-2018	63	37	42	36.2	2
46	DUDHGANGA	646.00	639.56	0.664	0.473	14-02-2018	71	70	66	2.441	24
47	MANIKDOH (KUKADI)	711.25	704.08	0.288	0.172	14-02-2018	60	31	25	2.2	6
48	BHANDARDARA	744.91	741.98	0.304	0.250	14-02-2018	82	82	65	63.74	46
<b>CENTRAL REGION</b>											
<b>UTTAR PRADESH</b>											
49	MATATILA	308.46	304.10	0.707	0.232	15-02-2018	33	43	42	-	30
*50	RIHAND	268.22	258.78	5.649	1.778	15-02-2018	31	54	33	-	300
<b>UTTRAKHAND</b>											
*51	RAMGANGA	365.30	340.76	2.196	0.743	15-02-2018	34	33	52	1897	198
*52	TEHRI	830.00	789.40	2.615	1.158	14-02-2018	44	44	49	2351	1000
<b>MADHYA PRADESH</b>											
*53	GANDHI SAGAR	399.90	390.88	6.827	2.273	15-02-2018	33	72	38	220	115
54	TAWA	355.40	338.36	1.944	0.184	15-02-2018	9	38	36	247	-
*55	BARGI	422.76	418.85	3.180	2.137	15-02-2018	67	55	54	157	90
*56	BANSAGAR	341.64	335.72	5.166	2.751	15-02-2018	53	74	47	488	425
*57	INDIRA SAGAR	262.13	251.73	9.745	2.701	15-02-2018	28	55	38	2380	1000
58	BARNA	348.55	340.94	0.456	0.072	15-02-2018	16	50	32	546	-
<b>CHHATTIS GARH</b>											
*59	MINIMATA BANGOI	359.66	352.94	3.046	1.834	13-02-2018	60	68	60	-	120
60	MAHANADI	348.70	344.46	0.767	0.412	14-02-2018	54	84	67	319	10
<b>SOUTHERN REGION</b>											
<b>A.P. &amp; TG</b>											
*61	SRISAILAM	269.75	259.42	8.288	2.236	15-02-2018	27	22	41	0	770
*62	NAGARJUNA SAGAR	179.83	160.42	6.841	0.831	15-02-2018	12	1	21	895	810
<b>ANDHRA PRADESH</b>											
63	SOMASILA	100.58	89.72	1.994	0.678	15-02-2018	34	34	57	168	0
<b>TELANGANA</b>											
64	SRIRAMSAGAR	332.54	326.01	2.300	0.796	15-02-2018	35	58	33	411	27
65	LOWER MANAIR	280.42	274.14	0.621	0.283	15-02-2018	46	68	51	199	60

WEEKLY REPORT OF 91 IMPORTANT RESERVOIRS OF INDIA

GOVERNMENT OF INDIA CENTRAL WATER COMMISSION

WEEK ENDING :- 15.02.2018

S. NO	NAME OF RESERVOIR	FRL (m)	CURRENT RESERVOIR LEVEL (m)	LIVE CAPACITY AT FRL (BCM)	CURRENT LIVE STORAGE (BCM)	DATE	STORAGE AS % OF LIVE CAPACITY AT FRL			BENEFITS	
							CURRENT YEAR	LAST YEAR	LAST 10 YEARS AVERAGE	IRR. (CCA) IN TH. HA	HYDEL IN MW
1	2	4	6	5	7	8	9	10	11	3A	3B
<b><u>KARNATAKA</u></b>											
66	KRISHNARAJA SAGRA	752.50	742.80	1.163	0.379	14-02-2018	33	14	53	79	-
*67	TUNGABHADRA	497.74	486.81	3.276	0.462	15-02-2018	14	4	24	529	72
68	GHATAPRABHA	662.95	650.41	1.391	0.616	15-02-2018	44	30	23	317	-
69	BHADRA	657.76	648.47	1.785	0.861	15-02-2018	48	25	67	106	39
70	LINGANAMAKKI	554.43	543.41	4.294	1.688	15-02-2018	39	37	52	-	55
71	NARAYANPUR	492.25	489.49	0.863	0.425	15-02-2018	49	59	71	425	-
72	MALAPRABHA(RENUKA)	633.83	623.83	0.972	0.138	15-02-2018	14	14	18	215	-
73	KABINI(Sancherla Tank)	696.16	691.71	0.444	0.213	14-02-2018	48	12	36	85	-
74	HEMAVATHY	890.63	876.02	0.927	0.174	14-02-2018	19	11	24	265	-
75	HARANGI	871.42	859.39	0.220	0.062	14-02-2018	28	30	16	53	-
76	SUPA	564.00	544.18	4.120	2.080	15-02-2018	50	48	49	-	-
77	VANIVILAS SAGAR	652.28	632.07	0.802	0.015	15-02-2018	2	3	16	123	-
*78	ALMATTI	519.60	513.31	3.105	1.059	15-02-2018	34	12	26	@	290
*79	GERUSOPPA	55.00	52.99	0.130	0.118	15-02-2018	91	90	87	83	240
<b><u>KERALA</u></b>											
80	KALLADA(PARAPPAR)	115.82	115.18	0.507	0.470	09-02-2018	93	39	69	62	-
*81	IDAMALAYAR	169.00	153.72	1.018	0.602	15-02-2018	59	49	54	33	75
*82	IDUKKI	732.43	720.21	1.460	0.834	15-02-2018	57	34	51	-	780
*83	KAKKI	981.46	975.74	0.447	0.354	15-02-2018	79	49	67	23	300
*84	PERIYAR	867.41	860.38	0.173	0.031	14-02-2018	18	8	27	84	140
85	MALAPMUZHA	115.06	103.25	0.224	0.037	15-02-2018	17	17	25	21	3
<b><u>TAMIL NADU</u></b>											
86	LOWER BHAWANI	278.89	263.51	0.792	0.122	14-02-2018	15	10	39	105	8
*87	METTUR(STANLEY)	240.79	217.26	2.647	0.384	14-02-2018	15	9	37	122	360
88	VAIGAI	279.20	269.51	0.172	0.025	14-02-2018	15	2	26	61	6
89	PARAMBIKULAM	556.26	539.02	0.380	0.064	14-02-2018	17	9	55	101	-
90	ALIYAR	320.04	299.38	0.095	0.000	14-02-2018	0	4	45	#	60
*91	SHOLAYAR	1002.79	958.65	0.143	0.000	14-02-2018	0	0	7	-	95
TOTAL FOR 91 RESERVOIRS				161.993	63.597						
PERCENTAGE							39	44	43		

Sd/-

Director

\* HYDEL POWER CAPACITY HAVING CAPACITY MORE THAN 60MW

\$ TOTAL CCA 342 TH. HA OF DVC SYSTEM

W. M. , CWC

# TOTAL CCA 101 TH. HA OF PARAMBIKULAM & ALIYAR

@\* TOTAL CCA 425 TH. HA. OF NARAYANPUR AND ALMATTI

† SABARMATI RESERVOIR IS SUPPLEMENTED WITH NARMADA WATER THROUGH PIPELINE.