

BRIEF NOTE ON LIVE STORAGE STATUS OF 107 RESERVOIRS IN THE COUNTRY (WITH REFERENCE TO RESERVOIR STORAGE BULLETIN OF 14.08.2019)

1. ALL INDIA STATUS

Central Water Commission is monitoring live storage status of 107 reservoirs of the country on weekly basis and is issuing weekly bulletin on every Thursday. Out of these reservoirs, 39 reservoirs have hydropower benefit with installed capacity of more than 60 MW. The total live storage capacity of these 107 reservoirs is 166.17 BCM which is about 64.45% 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 **14.08.2019**, live storage available in these reservoirs is **106.676 BCM**, which is **64%** of total live storage capacity of these reservoirs. However, last year the live storage available in these reservoirs for the corresponding period was **85.421 BCM** and the average of last 10 years live storage was **87.535 BCM**. Thus, the live storage available in 107 reservoirs as per **14.08.2019 Bulletin** is **125%** of the live storage of corresponding period of last year and **122%** of storage of average of last ten years.

The overall storage position is **better than the** corresponding period of last year in the country as a whole and is also **better 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 **14.08.2019**, the total live storage available in these reservoirs is **13.09 BCM** which is **73%** 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 **64%** of live storage capacity of these reservoirs. Thus, storage during current year is better than the corresponding period of last year and is also better 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, Tripura and Nagaland. There are 17 reservoirs under CWC monitoring having total live storage capacity of 19.37 BCM. As per Reservoir Storage Bulletin dated **14.08.2019**, the total live storage available in these reservoirs is **9.37 BCM** which is **48%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **52%** and average storage of last ten years during corresponding period was **44%** of live storage capacity of these reservoirs. Thus, storage during current year is less than the corresponding period of last year but it 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 38 reservoirs under CWC monitoring having total live storage capacity of 33.59 BCM. As per Reservoir Storage Bulletin dated **14.08.2019**, the total live storage available in these reservoirs is **23.63 BCM** which is **70%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **38%** and average storage of last ten years during corresponding period was **51%** of live storage capacity of these reservoirs. Thus, storage during current year is better than the storage of last year and is also better 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 14 reservoirs under CWC monitoring having total live storage capacity of 43.11 BCM. As per Reservoir Storage Bulletin dated **14.08.2019**, the total live storage available in these reservoirs is **24.81 BCM** which is **58%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **46%** and average storage of last ten years during corresponding period was **54%** of live storage capacity of these reservoirs. Thus, storage during current year is better than the storage of last year and is also better 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 (2 combined projects in both states), Karnataka, Kerala and Tamil Nadu. There are 32 reservoirs under CWC monitoring having total live storage capacity of 52.10 BCM. As per Reservoir Storage Bulletin dated **14.08.2019**, the total live storage available in these reservoirs is **35.79 BCM** which is **69%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **64%** and average storage of last ten years during corresponding period was **52%** of live storage capacity of these reservoirs. Thus, storage during current year is better than the corresponding period of last year and is also better 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 5, better than normal storage is available in Indus, Narmada, Tapi, Mahi, Rivers of Kutch, Godavari, Krishna, Cauvery & neighbouring EFRs and West Flowing Rivers of South. Close to Normal in Ganga and Mahanadi & Neighbouring East Flowing Rivers. Nil in Deficient and Highly Deficient in Sabarmati.
- Table on page 6-8 of the bulletin. The numbers of reservoirs having storage more than last year are **50** and reservoirs having storage more than average of last ten years are **60**. The numbers of reservoirs having storage less than or equal to 20% with respect to last year is **5** and having storage less than or equal to 20% with reference to average of last ten years is **7**. The number of reservoirs having storage less than or equal to 50% with respect to last year are **16** 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 : 14.08.2019

1 Central Water Commission is monitoring storage status of 107 important reservoirs spread all over the country, in which 39 reservoirs have hydropower benefit each with installed capacity of more than 60 MW. These reservoirs are identified thus(*) in the enclosed weekly report.

2 The total live storage in 107 important reservoirs in different parts of the country, monitored by CWC as on **14.08.2019** is **106.676** BCM (**64** percent of the live storage capacity at FRL).The current year's storage is nearly **125** percent of last year's storage and **122** percent of the average of last ten years.

3 Region wise storage status:-

REGION (States), (Monitoring No. of Reservoirs)	Filling position of 107 reservoirs w.r.t. FRL								Departure from Normal storage	
	100%	91%-99%	81%-90%	71%-80%	61%-70%	51%-60%	41%-50%	40% & below		
NORTH (HP,Punjab & Rajasthan), (6 Resv.)	1	-	1	-	2	2	-	-	H.P.	12 %
									PUNJAB	12 %
									RAJASTHAN	23 %
EAST (Jharkhand,Nagaland, Odisha, Tripura & W.Bengal) (17 Resv.)	-	-	2	-	-	6	4	5	JHARKHAND	-20 %
									ODISHA	23 %
									W. BENGAL	-36 %
									TRIPURA	-5 %
									NAGALAND	-30 %
WEST (Guj.& Mah.), (38 Resv.)	3	13	1	5	4	-	3	9	GUJARAT	54 %
									MAH.	27 %
CENTRAL (MP,UP,Uttarakhand & Chh.), (14 Resv)	-	1	2	-	1	3	2	5	U.P.	-47 %
									UTTARAKHAND	-7 %
									M.P.	22 %
									CHHATISGARH	-27 %
SOUTH (Karnataka,TN,AP&TG,AP, TG, & Kerala), (32 Resv.)	2	8	4	2	3	2	5	6	AP&TG	84 %
									A.P	-27 %
									TG	-45 %
									KARNATAKA	28 %
									KERALA	-15 %
									T.N.	30 %
Status of 107 reservoirs	6	22	10	7	10	13	14	25		

4 Basin wise storage position:

Better than normal: Indus , Narmada ,Tapi,Mahi,Rivers of Kutch, Godavari,Krishna, Cauvery & neighbouring EFRs and West Flowing Rivers of South.

Close to normal: Ganga and Mahanadi & Neighbouring East Flowing Rivers

Deficient: NIL

Highly deficient: Sabarmati

5 Out of 107 reservoirs, 73 reservoirs reported more than 80% of normal storage & 34 reservoirs reported 80% or below of normal storage. Out of these 34 reservoirs 14 having storage upto 50% of normal storage.

Name of reservoir	%
OMKARESHWAR	0
PENCH (TOTALADOH)	3
WATRAK	11
VANIVILAS SAGAR	13
TILAIYA	13
SOMASILA	16
DANTIWADA	31
SABARMATI(DHAROI)	33
ISAPUR	33
RIHAND	42
RENGALI	42
LOWER MANAIR	47
KONAR	48

20 reservoirs having storage 51% to 80% of normal storage.		
51%	61%	71%
to	to	to
60%	70%	80%
6	7	7

6 Out of 39 reservoirs with significant(*) hydropower generation, the storage build up is less than or equal to normal in 16 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

WEEK ENDING :- 14.08.2019

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	28.631	11.933	41.68%	11.932	41.68%	13.764	48.07%	-13.30
INDUS	14.730	10.770	73.12%	7.598	51.58%	9.355	63.51%	15.13
NARMADA	22.344	17.278	77.33%	8.458	37.85%	11.691	52.32%	47.79
TAPI	7.394	5.658	76.52%	1.604	21.69%	3.910	52.88%	44.71
MAHI	4.012	3.391	84.52%	1.857	46.29%	2.390	59.57%	41.88
SABARMATI	1.042	0.141	13.53%	0.263	25.24%	0.450	43.19%	-68.67
RIVERS OF KUTCH	1.186	0.471	39.71%	0.361	30.44%	0.457	38.53%	3.06
GODAVARI	16.410	8.259	50.33%	6.234	37.99%	6.604	40.24%	25.06
KRISHNA	33.777	26.141	77.39%	20.329	60.19%	18.998	56.25%	37.60
MAHANADI & NEIGHBOURING EFRS	13.519	5.684	42.04%	7.354	54.40%	6.471	47.87%	-12.16
CAUVERY & NEIGHBOURING EFRS	8.359	5.599	66.98%	6.468	77.38%	4.444	53.16%	25.99
WEST FLOWING RIVERS OF SOUTH	14.766	11.351	76.87%	12.963	87.79%	9.001	60.96%	26.11
TOTAL	166.170	106.676		85.421		87.535		
PERCENTAGE								21.87

WEEKLY REPORT OF 107 IMPORTANT RESERVOIRS OF INDIA

WEEK ENDING : 14.08.2019

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	HYD EL IN MW
1	2	4	6	5	7	8	9	10	11	3A	3B
NORTHERN REGION											
<u>HIMACHAL PRADESH</u>											
*1	GOBIND SAGAR(BHAKRA)	512.06	509.38	6.229	5.235	14-08-19	84	48	67	676	1200
*2	PONG DAM	423.67	414.18	6.157	3.679	14-08-19	60	52	61	-	360
<u>PUNJAB</u>											
*3	THEIN	527.91	518.18	2.344	1.599	14-08-19	68	60	61	348	600
<u>RAJASTHAN</u>											
*4	MAHI BAJAJ SAGAR	280.75	281.05	1.711	1.711	13-08-19	100	57	67	63	140
5	JHAKAM	359.50	355.10	0.132	0.092	13-08-19	70	42	67	28	-
*6	RANA PRATAP SAGAR	352.81	349.18	1.436	0.772	14-08-19	54	44	61	229	172
<u>EASTERN REGION</u>											
<u>JHARKHAND</u>											
7	TENUGHAT	269.14	259.37	0.821	0.391	13-08-19	48	46	43	-	-
8	MAITHON	146.3	142.72	0.471	0.263	13-08-19	56	67	65	0	-
*9	PANCHET HILL	124.97	122.47	0.184	0.077	13-08-19	42	71	80	\$	80
10	KONAR	425.81	417.12	0.176	0.050	13-08-19	28	24	60	\$	-
11	TILAIYA	368.81	364.08	0.142	0.010	13-08-19	7	27	53	\$	4
<u>ODISHA</u>											
*12	HIRAKUD	192.02	188.53	5.378	2.800	14-08-19	52	42	39	153	307
*13	BALIMELA	462.08	454.15	2.676	1.455	13-08-19	54	47	35	-	360
14	SALANADI	82.30	73.22	0.558	0.291	14-08-19	52	67	34	42	-
*15	RENGALI	123.50	113.45	3.432	0.647	13-08-19	19	55	45	3	200
*16	MACHKUND(JALPUT)	838.16	835.58	0.893	0.757	13-08-19	85	67	51	-	115
*17	UPPER KOLAB	858.00	853.07	0.935	0.509	13-08-19	54	42	35	89	320
*18	UPPER INDRAVATI	642.00	640.17	1.456	1.252	13-08-19	86	67	51	128	600
19	SAPUA	168.50	165.78	0.006	0.003	14-08-19	50	50	67	0	0
<u>WEST BENGAL</u>											
20	MAYURAKSHI	121.31	112.88	0.480	0.143	13-08-19	30	39	49	227	-
21	KANGSABATI	134.14	125.58	0.914	0.298	13-08-19	33	53	49	341	-
<u>TRIPURA</u>											
22	GUMTI	93.55	90.15	0.312	0.164	13-08-19	53	93	55	-	15
<u>NAGALAND</u>											
*23	DOYANG HEP	333.00	314.42	0.535	0.257	14-08-19	48	72	69	0	75
<u>WESTERN REGION</u>											
<u>GUJARAT</u>											
*24	UKAI	105.16	102.41	6.615	5.192	14-08-19	78	21	56	348	300
25	SABARMATI(DHAROD)	189.59	180.48	0.735	0.111	13-08-19	15	22	46	95	1
*26	KADANA	127.7	126.85	1.472	1.103	13-08-19	75	33	53	200	120
27	SHETRUNJI	55.53	51.87	0.300	0.098	13-08-19	33	44	47	36	-
28	BHADAR	107.89	104.91	0.188	0.082	13-08-19	44	50	45	27	-
29	DAMANAGANGA	79.86	76.00	0.502	0.313	14-08-19	62	62	53	51	1
30	DANTIWADA	184.1	168.54	0.399	0.033	13-08-19	8	20	27	45	-
31	PANAM	127.41	126.40	0.697	0.485	13-08-19	70	48	55	36	2
*32	SARDAR SAROVAR	138.68	132.00	5.760	3.681	14-08-19	64	1	24	2120	1450
33	KARJAN	115.25	109.72	0.523	0.382	14-08-19	73	65	57	51	3
34	SUKHI	147.82	147.82	0.167	0.151	14-08-19	90	22	40	20.7	0
35	WATRAK	136.25	128.00	0.154	0.009	14-08-19	6	29	53	22.98	0
36	HATHMATI	180.74	174.83	0.153	0.021	14-08-19	14	35	18	5.166	0
37	MACHCHHU-I	135.33	135.33	0.071	0.069	14-08-19	97	17	39	-	0
38	MACHCHHU-II	57.3	57.30	0.091	0.084	13-08-19	92	10	46	10.13	0
39	UND-I	98	97.65	0.066	0.061	14-08-19	92	42	47	9.9	0
40	BRAHMANI	64.62	63.70	0.071	0.044	12-08-19	62	11	35	6.413	0

WEEKLY REPORT OF 107 IMPORTANT RESERVOIRS OF INDIA

WEEK ENDING : 14.08.2019

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	HYD EL IN MW
1	2	4	6	5	7	8	9	10	11	3A	3B
<u>MAHARASHTRA</u>											
41	JAYAKWADI(PAITHON)	463.91	463.44	2.171	1.989	14-08-19	92	28	24	227	-
*42	KOYANA	657.90	658.47	2.652	2.652	14-08-19	100	100	91	-	1920
43	BHIMA(UJJANI)	496.83	496.83	1.517	1.517	14-08-19	100	35	44	125	12
44	ISAPUR	441.00	429.21	0.965	0.141	14-08-19	15	34	45	104	-
45	MULA	552.30	552.05	0.609	0.596	14-08-19	98	56	59	139	-
46	YELDARI	461.77	446.40	0.809	0.000	14-08-19	0	0	19	78	-
47	GIRNA	398.07	395.44	0.524	0.389	14-08-19	74	29	23	79	-
48	KHADAKVASLA	582.47	582.47	0.056	0.056	14-08-19	100	100	75	78	8
*49	UPPER VAITARNA	603.50	602.64	0.331	0.303	14-08-19	92	87	79	-	61
50	UPPER TAPI	214.00	210.40	0.255	0.077	14-08-19	30	36	39	45	-
*51	PENCH (TOTALADOH)	490.00	465.60	1.091	0.020	14-08-19	2	20	54	127	160
52	UPPER WARDHA	342.50	338.18	0.564	0.244	14-08-19	43	46	70	70	-
53	BHATSA	142.07	139.61	0.942	0.875	14-08-19	93	88	80	29.38	15
54	DHOM	747.70	746.50	0.331	0.303	14-08-19	92	91	75	36.2	2
55	DUDHGANGA	646.00	645.22	0.664	0.653	14-08-19	98	98	87	2.441	24
56	MANIKDOH (KUKADI)	711.25	707.80	0.288	0.229	14-08-19	80	48	41	2.2	6
57	BHANDARDARA	744.91	744.12	0.304	0.289	14-08-19	95	99	91	63.74	46
58	URMODI	696.00	695.27	0.273	0.262	14-08-19	96	90	89	37	3
59	BHATGHAR	623.28	623.22	0.673	0.664	14-08-19	99	99	88	60.66	14.09
60	KOLAR	462.20	452.93	0.270	0.124	14-08-19	46	27	51	0	0
61	NIRA DEOGHAR	667.10	666.70	0.332	0.326	14-08-19	98	100	78	0	6
<u>CENTRAL REGION</u>											
<u>UTTAR PRADESH</u>											
62	MATATILA	308.46	307.06	0.707	0.492	14-08-19	70	33	66	-	30
*63	RIHAND	268.22	256.21	5.649	0.909	14-08-19	16	34	38	-	300
<u>UTTRAKHAND</u>											
*64	RAMGANGA	365.30	343.36	2.196	0.853	14-08-19	39	27	42	1897	198
*65	TEHRI	830.00	802.80	2.615	1.580	14-08-19	60	66	65	2351	1000
<u>MADHYA PRADESH</u>											
*66	GANDHI SAGAR	399.90	392.81	6.827	2.976	14-08-19	44	23	35	220	115
67	TAWA	355.40	353.90	1.944	1.756	14-08-19	90	47	80	247	-
*68	BARGI	422.76	421.55	3.180	2.884	14-08-19	91	95	73	157	90
*69	BANSAGAR	341.64	336.30	5.166	2.955	14-08-19	57	58	60	488	425
*70	INDIRA SAGAR	262.13	260.17	9.745	8.131	14-08-19	83	40	58	2380	1000
71	BARNA	348.55	343.72	0.456	0.169	14-08-19	37	27	64	546	-
*72	OMKARESHWAR	196.60	192.70	0.299	0.000	14-08-19	0	0	0	132.5	520
73	SANJAY SAROVAR	519.38	513.05	0.508	0.158	14-08-19	31	40	54	12.65	3.45
<u>CHHATTIS GARH</u>											
*74	MINIMATA BANGOI	359.66	351.40	3.046	1.628	14-08-19	53	76	70	-	120
75	MAHANADI	348.70	342.91	0.767	0.315	14-08-19	41	65	65	319	10
<u>SOUTHERN REGION</u>											
<u>A.P & TG</u>											
*76	SRISAILAM	269.75	268.16	8.288	5.194	14-08-19	63	48	43	0	770
*77	NAGARJUNA SAGAR	179.83	176.66	6.841	4.253	14-08-19	62	8	23	895	810
<u>ANDHRA PRADESH</u>											
78	SOMASILA	100.58	76.52	1.994	0.060	14-08-19	3	15	18	168	0
79	YELERU	86.56	81.78	0.508	0.267	13-08-19	53	32	16	66.6	0
<u>TELANGANA</u>											
80	SRIRAMSAGAR	332.54	323.94	2.300	0.482	14-08-19	21	21	36	411	27
81	LOWER MANAIR	280.42	268.79	0.621	0.100	14-08-19	16	16	34	199	60

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WEEK ENDING : 14.08.2019

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							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
<u>KARNATAKA</u>											
82	KRISHNARAJA SAGRA	752.50	752.29	1.163	1.163	14-08-19	100	100	69	79	-
*83	TUNGABHADRA	497.74	497.54	3.276	2.786	14-08-19	85	84	73	529	72
84	GHATAPRABHA	662.95	662.71	1.391	1.374	14-08-19	99	100	78	317	-
85	BHADRA	657.76	656.49	1.785	1.639	14-08-19	92	97	71	106	39
86	LINGANAMAKKI	554.43	552.54	4.294	3.731	14-08-19	87	92	63	-	55
87	NARAYANPUR	492.25	489.57	0.863	0.431	14-08-19	50	86	79	425	-
88	MALAPRABHA(RENUKA)	633.83	633.28	0.972	0.902	14-08-19	93	51	45	215	-
89	KABINI(Sancherla Tank)	696.16	695.73	0.444	0.418	14-08-19	94	73	63	85	-
90	HEMAVATHY	890.63	890.41	0.927	0.927	14-08-19	100	100	82	265	-
91	HARANGI	871.42	870.73	0.220	0.207	14-08-19	94	95	95	53	-
92	SUPA	564.00	560.98	4.120	3.813	14-08-19	93	79	56	-	-
93	VANIVILAS SAGAR	652.28	631.71	0.802	0.010	14-08-19	1	0	10	123	-
*94	ALMATTI	519.60	518.57	3.105	2.890	14-08-19	93	100	90	@	290
*95	GERUSOPPA	55.00	49.33	0.130	0.098	10-08-19	75	82	77	83	240
<u>KERALA</u>											
96	KALLADA(PARAPPAR)	115.82	106.55	0.507	0.294	14-08-19	58	90	56	62	-
*97	IDAMALAYAR	169.00	149.24	1.018	0.498	14-08-19	49	99	59	33	75
*98	IDUKKI	732.43	714.83	1.460	0.611	14-08-19	42	93	54	-	780
*99	KAKKI	981.46	961.35	0.447	0.194	14-08-19	43	98	60	23	300
*100	PERIYAR	867.41	865.33	0.173	0.122	14-08-19	71	92	49	84	140
101	MALAMPUZHA	115.06	110.95	0.224	0.137	14-08-19	61	96	64	21	3
<u>TAMIL NADU</u>											
102	LOWER BHAWANI	278.89	276.73	0.792	0.667	14-08-19	84	100	51	105	8
*103	METTUR(STANLEY)	240.79	237.06	2.647	2.131	14-08-19	81	100	59	122	360
104	VAIGAI	279.20	269.61	0.172	0.026	14-08-19	15	65	28	61	6
105	PARAMBIKULAM	556.26	546.68	0.380	0.191	14-08-19	50	97	67	101	-
106	ALIYAR	320.04	310.10	0.095	0.037	14-08-19	39	97	68	#	60
107	SHOLAYAR	1002.79	1003.67	0.143	0.134	14-08-19	94	94	76	-	95
TOTAL FOR 107 RESERVOIRS				166.170	106.676						
PERCENTAGE							64	51	53		

Sd/-

Director

W. M. , CWC

* HYDEL POWER CAPACITY HAVING CAPACITY MORE THAN 60MW

\$ TOTAL CCA 342 TH. HA OF DVC SYSTEM

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.