

BRIEF NOTE ON LIVE STORAGE STATUS OF 103 RESERVOIRS IN THE COUNTRY (WITH REFERENCE TO RESERVOIR STORAGE BULLETIN OF 08.08.2019)

1. ALL INDIA STATUS

Central Water Commission is monitoring live storage status of 103 reservoirs of the country on weekly basis and is issuing weekly bulletin on every Thursday. Out of these reservoirs, 38 reservoirs have hydropower benefit with installed capacity of more than 60 MW. The total live storage capacity of these 103 reservoirs is 164.36 BCM which is about 63.75% 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 **08.08.2019**, live storage available in these reservoirs is **76.845 BCM**, which is **47%** of total live storage capacity of these reservoirs. However, last year the live storage available in these reservoirs for the corresponding period was **77.403 BCM** and the average of last 10 years live storage was **79.471 BCM**. Thus, the live storage available in 103 reservoirs **as per 08.08.2019 Bulletin** is **99%** of the live storage of corresponding period of last year and **97%** 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 **08.08.2019**, the total live storage available in these reservoirs is **12.40 BCM** which is **69%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **39%** and average storage of last ten years during corresponding period was **56%** 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 and Tripura. There are 16 reservoirs under CWC monitoring having total live storage capacity of 18.83 BCM. As per Reservoir Storage Bulletin dated **08.08.2019**, the total live storage available in these reservoirs is **6.09 BCM** which is **32%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **47%** 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 less than the corresponding period of last year and is also less 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 35 reservoirs under CWC monitoring having total live storage capacity of 32.31 BCM. As per Reservoir Storage Bulletin dated **08.08.2019**, the total live storage available in these reservoirs is **17.40 BCM** which is **54%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **35%** 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 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 **08.08.2019**, the total live storage available in these reservoirs is **19.13 BCM** which is **44%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **42%** and average storage of last ten years during corresponding period was **49%** of live storage capacity of these reservoirs. Thus, storage during current year is better than the storage of last year but is 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 (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 **08.08.2019**, the total live storage available in these reservoirs is **21.83 BCM** which is **42%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **62%** and average storage of last ten years during corresponding period was **50%** of live storage capacity of these reservoirs. Thus, storage during current year is less than the corresponding period of last year and is also 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 5, better than normal storage is available in Indus, Narmada, Tapi Godavari and West Flowing Rivers of South. Close to Normal in Mahi and Krishna. Deficient in Ganga, Mahanadi & Neighbouring East Flowing Rivers and Cauvery & neighbouring EFRs and Highly Deficient in Sabarmati and Rivers of Kutch.
- Table on page 6-8 of the bulletin. The numbers of reservoirs having storage more than last year are **41** and reservoirs having storage more than average of last ten years are **35**. The numbers of reservoirs having storage less than or equal to 20% with respect to last year is **7** and having storage less than or equal to 20% with reference to average of last ten years is **11**. The number of reservoirs having storage less than or equal to 50% with respect to last year are **33** and having storage less than or equal to 50% with reference to average of last ten years are **34**.

States having better storage (in %) than last year for corresponding period: Himachal Pradesh, Punjab, Rajasthan, Gujarat, Maharashtra, Madhya Pradesh and AP&TG (Two combined projects in both states)

States having equal storage (in %) to last year for corresponding period: Uttarakhand

States having lesser storage (in %) than last year for corresponding period: Jharkhand, Odisha, West Bengal, Tripura, Uttar Pradesh, Chhattisgarh, Andhra Pradesh, Telangana, Karnataka, Kerala and Tamil Nadu.

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 : 08.08.2019

1 Central Water Commission is monitoring storage status of 103 important reservoirs spread all over the country, in which 38 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 103 important reservoirs in different parts of the country, monitored by CWC as on **08.08.2019** is **76.845** BCM (**47** percent of the live storage capacity at FRL).The current year's storage is nearly **99** percent of last year's storage and **97** percent of the average of last ten years.

3 Region wise storage status:-

REGION (States), (Monitoring No. of Reservoirs)	Filling position of 103 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	3	-	2	-	H.P.	31 %
									PUNJAB	18 %
									RAJASTHAN	0 %
EAST (Jharkhand,Odisha, Tripura & W.Bengal) (16 Resv.)	-	-	1	1	-	1	6	7	JHARKHAND	-32 %
									ODISHA	-14 %
									W. BENGAL	-27 %
									TRIPURA	-2 %
WEST (Guj.& Mah.), (35 Resv.)	2	5	3	1	2	1	4	17	GUJARAT	13 %
									MAH.	22 %
CENTRAL (MP,UP,Uttarakhand & Chh.), (14 Resv)	-	-	-	2	1	2	1	8	U.P.	-54 %
									UTTARAKHAND	-19 %
									M.P.	1 %
									CHHATISGARH	-26 %
SOUTH (Karnataka,TN,AP&TG,AP, TG, & Kerala), (32 Resv.)	-	2	1	2	4	1	3	19	AP&TG	-2 %
									A,P	-44 %
									TG	-62 %
									KARNATAKA	-6 %
									KERALA	-49 %
									T.N.	-55 %
Status of 103 reservoirs	2	7	5	7	10	5	16	51		

4 Basin wise storage position:

Better than normal: Indus , Narmada ,Tapi,Godavari and West Flowing Rivers of South.

Close to normal: Mahi and Krishna .

Deficient:

Ganga, Mahanadi & Neighbouring East Flowing Rivers and Cauvery & neighbouring EFRs.

Highly deficient: Sabarmati and Rivers of Kutch

5 Out of 103 reservoirs, 50 reservoirs reported more than 80% of normal storage & 53 reservoirs reported 80% or below of normal storage. Out of these 53 reservoirs 34 having storage upto 50% of normal storage.

Name of reservoir	%	Name of reservoir	%
YELDARI	0	HIRAKUD	38
OMKARESHWAR	0	METTUR(STANLEY)	39
ALIYAR	2	MATATILA	39
WATRAK	6	KAKKI	40
VANIVILAS SAGAR	7	UPPER WARDHA	42
BRAHMANI	8	KRISHNARAJA SAGRA	43
TILAIYA	12	KONAR	43
NAGARJUNA SAGAR	12	NARAYANPUR	45
UND-I	13	IDUKKI	45
SOMASILA	16	RIHAND	48
DANTIWADA	19	SHETRUNJI	49
ISAPUR	27	IDAMALAYAR	50
RENGALI	27		
VAIGAI	28		
SANJAY SAROVAR	31		
BHADAR	33		
SABARMATI(DHAROI)	34		
SRIRAMSAGAR	35		
PERIYAR	36		
PANCHET HILL	36		
BARNA	37		
PARAMBIKULAM	38		

19 reservoirs having storage 51% to 80% of normal storage.		
51% to 60%	61% to 70%	71% to 80%
6	4	9

6 Out of 38 reservoirs with significant(*) hydropower generation, the storage build up is less than or equal to normal in 23 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 :- 08.08.2019

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	28.096	9.350	33.28%	10.527	37.47%	11.948	42.53%	-21.74
INDUS	14.730	10.570	71.76%	5.383	36.54%	8.186	55.57%	29.12
NARMADA	22.074	13.109	59.39%	7.493	33.94%	10.802	48.94%	21.36
TAPI	7.394	3.555	48.08%	1.566	21.18%	3.408	46.09%	4.31
MAHI	4.012	2.052	51.15%	1.905	47.48%	2.114	52.69%	-2.93
SABARMATI	1.042	0.113	10.84%	0.264	25.34%	0.374	35.89%	-69.79
RIVERS OF KUTCH	1.186	0.168	14.17%	0.367	30.94%	0.450	37.94%	-62.67
GODAVARI	16.410	6.400	39.00%	5.544	33.78%	5.874	35.80%	8.95
KRISHNA	33.104	17.078	51.59%	18.867	56.99%	17.443	52.69%	-2.09
MAHANADI & NEIGHBOURING EFRS	13.187	3.217	24.40%	6.868	52.08%	5.987	45.40%	-46.27
CAUVERY & NEIGHBOURING EFRS	8.359	2.491	29.80%	6.451	77.17%	4.370	52.28%	-43.00
WEST FLOWING RIVERS OF SOUTH	14.766	8.542	57.85%	12.015	81.37%	8.433	57.11%	1.29
TOTAL	164.360	76.645		77.250		79.389		
PERCENTAGE								-3.46

WEEKLY REPORT OF 103 IMPORTANT RESERVOIRS OF INDIA

WEEK ENDING : 08.08.2019

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>NORTHERN REGION</u>											
<u>HIMACHAL PRADESH</u>											
*1	GOBIND SAGAR(BHAKRA)	512.06	506.55	6.229	4.794	08-08-2019	77	34	60	676	1200
*2	PONG DAM	423.67	411.77	6.157	4.238	08-08-2019	69	34	52	-	360
<u>PUNJAB</u>											
*3	THEIN	527.91	516.84	2.344	1.538	08-08-2019	66	50	55	348	600
<u>RAJASTHAN</u>											
*4	MAHI BAJAJ SAGAR	280.75	275.70	1.711	1.117	08-08-2019	65	56	56	63	140
5	JHAKAM	359.50	350.40	0.132	0.057	08-08-2019	43	39	48	28	-
*6	RANA PRATAP SAGAR	352.81	348.48	1.436	0.654	08-08-2019	46	42	55	229	172
<u>EASTERN REGION</u>											
<u>JHARKHAND</u>											
7	TENUGHAT	269.14	257.77	0.821	0.335	08-08-2019	41	41	42	-	-
8	MAITHON	146.3	141.00	0.471	0.195	08-08-2019	41	64	59	0	-
*9	PANCHET HILL	124.97	121.59	0.184	0.051	08-08-2019	28	73	77	\$	80
10	KONAR	425.81	416.44	0.176	0.042	08-08-2019	24	23	55	\$	-
11	TILAIYA	368.81	363.87	0.142	0.008	08-08-2019	6	25	47	\$	4
<u>ODISHA</u>											
*12	HIRAKUD	192.02	183.41	5.378	0.854	08-08-2019	16	41	42	153	307
*13	BALIMELA	462.08	452.02	2.676	1.179	08-08-2019	44	38	25	-	360
14	SALANADI	82.30	71.24	0.558	0.243	07-08-2019	44	59	31	42	-
*15	RENGALI	123.50	111.62	3.432	0.308	08-08-2019	9	53	33	3	200
*16	MACHKUND(JALPUT)	838.16	833.93	0.893	0.637	08-08-2019	71	60	48	-	115
*17	UPPER KOLAB	858.00	851.89	0.935	0.418	08-08-2019	45	38	28	89	320
*18	UPPER INDRAVATI	642.00	639.60	1.456	1.194	08-08-2019	82	57	47	128	600
19	SAPUA	168.50	165.01	0.006	0.003	08-08-2019	50	50	67	0	0
<u>WEST BENGAL</u>											
20	MAYURAKSHI	121.31	112.87	0.480	0.143	08-08-2019	30	41	45	227	-
21	KANGSABATI	134.14	125.97	0.914	0.320	08-08-2019	35	50	45	341	-
<u>TRIPURA</u>											
22	GUMTI	93.55	90.10	0.312	0.162	07-08-2019	52	95	53	-	15
<u>WESTERN REGION</u>											
<u>GUJARAT</u>											
*23	UKAI	105.16	97.98	6.615	3.196	08-08-2019	48	20	48	348	300
24	SABARMATI(DHAROI)	189.59	180.04	0.735	0.096	08-08-2019	13	23	39	95	1
*25	KADANA	127.7	120.96	1.472	0.595	08-08-2019	40	38	51	200	120
26	SHETRANJI	55.53	50.72	0.300	0.066	08-08-2019	22	44	45	36	-
27	BHADAR	107.89	102.12	0.188	0.028	08-08-2019	15	51	45	27	-
28	DAMANAGANGA	79.86	72.25	0.502	0.188	08-08-2019	37	50	46	51	1
29	DANTIWADA	184.1	166.78	0.399	0.020	08-08-2019	5	20	27	45	-
30	PANAM	127.41	122.60	0.697	0.283	08-08-2019	41	49	47	36	2
*31	SARDAR SAROVAR	138.68	128.45	5.760	2.867	08-08-2019	50	1	22	2120	1450
32	KARJAN	115.25	109.56	0.523	0.361	08-08-2019	69	64	52	51	3
33	SUKHI	147.82	143.20	0.167	0.077	08-08-2019	46	20	33	20.7	0
34	WATRAK	136.25	127.22	0.154	0.004	08-08-2019	3	29	43	22.98	0
35	HATHMATI	180.74	173.80	0.153	0.013	08-08-2019	8	35	15	5.166	0
36	MACHCHHU-I	135.33	131.20	0.071	0.026	08-08-2019	37	17	38	-	0
37	MACHCHHU-II	57.3	52.71	0.091	0.022	08-08-2019	24	11	47	10.13	0
38	UND-I	98	91.45	0.066	0.004	08-08-2019	6	44	45	9.9	0
39	BRAHMANI	64.62	57.38	0.071	0.002	08-08-2019	3	11	34	6.413	0

WEEKLY REPORT OF 103 IMPORTANT RESERVOIRS OF INDIA

WEEK ENDING : 08.08.2019

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							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
MAHARASHTRA											
40	JAYAKWADI(PAITHON)	463.91	461.81	2.171	1.420	08-08-2019	65	31	21	227	-
*41	KOYANA	657.90	658.88	2.652	2.652	08-08-2019	100	94	87	-	1920
42	BHIMA(UJJANI)	496.83	496.71	1.517	1.477	07-08-2019	97	34	41	125	12
43	ISAPUR	441.00	428.72	0.965	0.115	08-08-2019	12	33	45	104	-
44	MULA	552.30	550.65	0.609	0.523	08-08-2019	86	53	55	139	-
45	YELDARI	461.77	446.40	0.809	0.000	08-08-2019	0	0	20	78	-
46	GIRNA	398.07	393.07	0.524	0.294	08-08-2019	56	29	22	79	-
47	KHADAKVASLA	582.47	582.47	0.056	0.056	08-08-2019	100	100	89	78	8
*48	UPPER VAITARNA	603.50	602.16	0.331	0.288	08-08-2019	87	82	77	-	61
49	UPPER TAPI	214.00	210.04	0.255	0.065	08-08-2019	25	23	33	45	-
*50	PENCH (TOTALADOH)	490.00	460.35	1.091	0.000	08-08-2019	0	20	48	127	160
51	UPPER WARDHA	342.50	336.51	0.564	0.155	08-08-2019	27	46	66	70	-
52	BHATSA	142.07	138.81	0.942	0.854	08-08-2019	91	85	78	29.38	15
53	DHOM	747.70	745.84	0.331	0.289	08-08-2019	87	85	72	36.2	2
54	DUDHGANGA	646.00	644.00	0.664	0.612	08-08-2019	92	96	83	2.441	24
55	MANIKDOH (KUKADI)	711.25	706.60	0.288	0.210	08-08-2019	73	44	39	2.2	6
56	BHANDARDARA	744.91	744.11	0.304	0.289	08-08-2019	95	88	85	63.74	46
57	URMODI	696.00	694.72	0.273	0.253	08-08-2019	93	87	86	37	3
CENTRAL REGION											
UTTAR PRADESH											
58	MATATILA	308.46	303.03	0.707	0.162	07-08-2019	23	28	59	-	30
*59	RIHAND	268.22	255.91	5.649	0.820	08-08-2019	15	30	30	-	300
UTTRAKHAND											
*60	RAMGANGA	365.30	342.20	2.196	0.803	08-08-2019	37	21	46	1897	198
*61	TEHRI	830.00	791.45	2.615	1.217	08-08-2019	47	59	57	2351	1000
MADHYA PRADESH											
*62	GANDHI SAGAR	399.90	388.70	6.827	1.604	08-08-2019	23	22	30	220	115
63	TAWA	355.40	351.95	1.944	1.443	08-08-2019	74	43	77	247	-
*64	BARGI	422.76	419.60	3.180	2.338	08-08-2019	74	85	67	157	90
*65	BANSAGAR	341.64	335.96	5.166	2.834	08-08-2019	55	52	54	488	425
*66	INDIRA SAGAR	262.13	257.24	9.745	5.917	08-08-2019	61	35	54	2380	1000
67	BARNA	348.55	342.02	0.456	0.106	08-08-2019	23	28	63	546	-
*68	OMKARESHWAR	196.60	192.54	0.299	0.000	08-08-2019	0	0	0	132.5	520
69	SANJAY SAROVAR	519.38	510.10	0.508	0.077	08-08-2019	15	39	49	12.65	3.45
CHHATTIS GARH											
*70	MINIMATA BANGOI	359.66	350.75	3.046	1.544	08-08-2019	51	75	65	-	120
71	MAHANADI	348.70	342.11	0.767	0.265	08-08-2019	35	35	62	319	10
SOUTHERN REGION											
A.P & TG											
*72	SRISAILAM	269.75	266.70	8.288	4.535	08-08-2019	55	48	41	0	770
*73	NAGARJUNA SAGAR	179.83	156.48	6.841	0.166	08-08-2019	2	5	20	895	810
ANDHRA PRADESH											
74	SOMASILA	100.58	76.65	1.994	0.062	08-08-2019	3	15	19	168	0
75	YELERU	86.56	79.80	0.508	0.200	08-08-2019	39	30	16	66.6	0
TELANGANA											
76	SRIRAMSAGAR	332.54	322.02	2.300	0.294	08-08-2019	13	20	36	411	27
77	LOWER MANAIR	280.42	268.77	0.621	0.099	08-08-2019	16	15	30	199	60

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1	2	4	6	5	7	8	9	10	11	3A	3B
<u>KARNATAKA</u>											
78	KRISHNARAJA SAGRA	752.50	742.20	1.163	0.344	08-08-2019	30	100	68	79	-
*79	TUNGABHADRA	497.74	492.65	3.276	1.382	08-08-2019	42	85	68	529	72
80	GHATAPRABHA	662.95	662.03	1.391	1.322	07-08-2019	95	98	80	317	-
81	BHADRA	657.76	648.08	1.785	0.829	07-08-2019	46	98	73	106	39
82	LINGANAMAKKI	554.43	548.44	4.294	2.672	08-08-2019	62	80	58	-	55
83	NARAYANPUR	492.25	488.28	0.863	0.311	08-08-2019	36	86	80	425	-
84	MALAPRABHA(RENUKA)	633.83	633.25	0.972	0.899	07-08-2019	92	48	44	215	-
85	KABINI(Sancherla Tank)	696.16	695.41	0.444	0.400	08-08-2019	90	98	66	85	-
86	HEMAVATHY	890.63	885.54	0.927	0.621	08-08-2019	67	100	81	265	-
87	HARANGI	871.42	868.63	0.220	0.154	08-08-2019	70	99	96	53	-
88	SUPA	564.00	556.15	4.120	3.216	08-08-2019	78	72	50	-	-
89	VANIVILAS SAGAR	652.28	631.39	0.802	0.006	06-08-2019	1	0	10	123	-
*90	ALMATTI	519.60	517.10	3.105	2.079	08-08-2019	67	100	87	@	290
*91	GERUSOPPA	55.00	50.04	0.130	0.102	05-08-2019	78	83	82	83	240
<u>KERALA</u>											
92	KALLADA(PARAPPAR)	115.82	102.70	0.507	0.228	08-08-2019	45	91	55	62	-
*93	IDAMALAYAR	169.00	138.00	1.018	0.289	08-08-2019	28	97	57	33	75
*94	IDUKKI	732.43	707.52	1.460	0.346	08-08-2019	24	93	52	-	780
*95	KAKKI	981.46	948.37	0.447	0.102	08-08-2019	23	97	57	23	300
*96	PERIYAR	867.41	860.32	0.173	0.030	07-08-2019	17	80	49	84	140
97	MALAMPUZHA	115.06	106.91	0.224	0.075	08-08-2019	33	98	62	21	3
<u>TAMIL NADU</u>											
98	LOWER BHAWANI	278.89	270.00	0.792	0.320	08-08-2019	40	94	50	105	8
*99	METTUR(STANLEY)	240.79	220.68	2.647	0.578	08-08-2019	22	97	57	122	360
100	VAIGAI	279.20	267.01	0.172	0.012	07-08-2019	7	55	25	61	6
101	PARAMBIKULAM	556.26	540.94	0.380	0.094	08-08-2019	25	99	65	101	-
102	ALIYAR	320.04	301.17	0.095	0.001	08-08-2019	1	98	66	#	60
103	SHOLAYAR	1002.79	986.38	0.143	0.057	08-08-2019	40	93	76	-	95
TOTAL FOR 103 RESERVOIRS				164.360	76.845						
PERCENTAGE							47	47	48		

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.