BRIEF NOTE ON LIVE STORAGE STATUS OF 91 RESERVOIRS IN THE COUNTRY (WITH REFERENCE TO RESERVOIR STORAGE BULLETIN OF 26.04.2018)

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 **26.04.2018**, live storage available in these reservoirs is **37.109 BCM,** which is **23%** of total live storage capacity of these reservoirs. However, last year the live storage available in these reservoirs for the corresponding period was **43.885 BCM** and the average of last 10 years live storage was **41.139 BCM**. Thus, the live storage available in 91 reservoirs **as per 26.04.2018 Bulletin** is **85%** of the live storage of corresponding period of last year and **90%** 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 **26.04.2018**, the total live storage available in these reservoirs is **3.54 BCM** which is **20%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **26%** and average storage of last ten years during corresponding period was **27%** 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.

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 **26.04.2018**, the total live storage available in these reservoirs is **6.72 BCM** which is **36%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **44%** and average storage of last ten years during corresponding period was **30%** 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 **26.04.2018**, the total live storage available in these reservoirs is **7.52 BCM** which is **24%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **29%** and average storage of last ten years during corresponding period was **28%** 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 **26.04.2018**, the total live storage available in these reservoirs is **11.79 BCM** which is **28%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **40%** and average storage of last ten years during corresponding period was **27%** of live storage capacity of these reservoirs. Thus, storage during current year is less than the storage of last year but is 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 (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 **26.04.2018**, the total live storage available in these reservoirs is **7.54 BCM** which is **15%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **10%** and average storage of last ten years during corresponding period was **20%** 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 Mahi, Narmada, Mahanadi & Neighbouring East Flowing Rivers, Rivers of Kutch and West Flowing Rivers of South. Close to Normal in Ganga, Sabarmati and Godavari. Deficient in Indus, Tapi, Krishna 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 **48** and reservoirs having storage more than average of last ten years are **44.** The numbers of reservoirs having storage less than 20% with respect to last year is **4** and having storage less than 20% with reference to average of last ten years is **8.** The number of reservoirs having storage less than or equal to 50% with respect to last year are **14** and having storage less than or equal to 50% with reference to average of last ten years are **17.**

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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 26.04.2018**

1 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.

2 The total live storage in 91 important reservoirs in different parts of the country, monitored by CWC as on **26.04.2018** is **37.109** BCM (**23** percent of the live storage capacity at FRL).The current year's storage is nearly **85** percent of last year's storage and **90** percent of the average of last ten years.

3 Region wise storage status:-

REGION (States), (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**		
NORTH (HP,Punjab & Rajasthan), (6 Resv.)	-	-	-	-	-	-	-	6	H.P.	-39 %
									PUNJAB	-41 %
									RAJASTHAN	26 %
EAST (Jharkhand,Odisha, Tripura & W.Bengal (15 Resv.)	-	-	-	-	1	1	5	8	JHARKHAND	16 %
									ODISHA	9 %
									W. BENGAL	147 %
									TRIPURA	239 %
WEST (Guj.& Mah.), (27 Resv.)	-	-	1	-	-	2	4	20	GUJARAT	-37 %
									MAH.	14 %
CENTRAL (MP,UP,Uttarakhand & Chh.), (12 Resv)	-	-	-	-	-	2	1	9	U.P.	-22 %
									UTTARAKHAND	-36 %
									M.P.	14 %
									CHHATISGARH	5 %
SOUTH (Karnataka,TN,AP&TG,AP, TG, & Kerala), (31 Resv.)	-	1	-	-	1	-	1	28	AP&TG	-61 %
									A,P	-55 %
									TG	-28 %
									KARNATAKA	-7 %
									KERALA	24 %
									T.N.	-62 %
Status of 91 reservoirs	0	1	1	0	2	5	11	71		

4 Basin wise storage position:

Better than normal: Mahi,Narmada, Mahanadi & Neighbouring EFRS, Rivers of Kutch and West Flowing Rivers of South .

Close to normal: Ganga, Sabarmati and Godavari, .

Deficient: Indus, Tapi, Krishna and Cauvery & neighbouring EFRS.

Highly deficient: NIL

5 Out of 91 reservoirs, **55** reservoirs reported more than 80% of normal storage & **36** reservoirs reported 80% or below of normal storage. Out of these **36** reservoirs **17** having storage upto 50% of normal storage.

Name of reservoir	**%**	**Name of reservoir**	**%**
SHOLAYAR	0		
SARDAR SAROVAR	0		
ALIYAR	0		
YELDARI	0		
ISAPUR	0		
VANIVILAS SAGAR	8		
NAGARJUNA SAGAR	14		
PARAMBIKULAM	20		
METTUR(STANLEY)	32		
KRISHNARAJA SAGRA	41		
TAWA	42		
BHADRA	43		
BALIMELA	44		
PENCH (TOTALADOH)	44		
SOMASILA	45		
BARNA	46		
PONG DAM	50		

19 reservors having storage 51% to 80% of normal storage.

51% to 60%	61% to 70%	71% to 80%
8	7	4

6 Out of **37** reservoirs with significant(*) hydropower generation, the storage build up is less than or equal to normal in **22** 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 :- 26.04.2018

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	7.521	26.77%	11.937	42.49%	7.596	27.04%	**-0.99**
INDUS	14.730	2.406	16.33%	3.669	24.91%	3.960	26.88%	**-39.24**
NARMADA	21.608	4.570	21.15%	5.811	26.89%	4.478	20.72%	**2.05**
TAPI	7.394	1.503	20.33%	3.276	44.31%	2.521	34.10%	**-40.38**
MAHI	4.012	1.583	39.46%	1.682	41.92%	1.500	37.39%	**5.53**
SABARMATI	0.735	0.125	17.01%	0.202	27.48%	0.152	20.68%	**-17.76**
RIVERS OF KUTCH	0.887	0.187	21.08%	0.060	6.76%	0.095	10.71%	**96.84**
GODAVARI	15.394	3.341	21.70%	4.372	28.40%	3.709	24.09%	**-9.92**
KRISHNA	32.831	4.285	13.05%	1.954	5.95%	5.511	16.79%	**-22.25**
MAHANADI & NEIGHBOURING EFRS	13.181	5.781	43.86%	6.687	50.73%	4.871	36.95%	**18.68**
CAUVERY& NEIGHBOURING EFRS	8.359	1.144	13.69%	0.668	7.99%	2.370	28.35%	**-51.73**
WEST FLOWING RIVERS OF SOUTH	14.766	4.663	31.58%	3.567	24.16%	4.376	29.64%	**6.56**
TOTAL	**161.993**	**37.109**		**43.885**		**41.139**		
PERCENTAGE								**-9.80**

WEEKLY REPORT OF 91 IMPORTANT RESERVOIRS OF INDIA

GOVERNMENT OF INDIA

CENTRAL WATER COMMISSION

WEEK ENDING :- 26.04.2018

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
NORTHERN REGION											
	HIMACHAL PRADESH										
*1	GOBIND SAGAR(BHAKRA)	512.06	469.00	6.229	1.093	26-04-2018	18	19	24	676	1200
*2	PONG DAM	423.67	394.31	6.157	0.787	26-04-2018	13	17	25	-	360
	PUNJAB										
*3	THEIN	527.91	497.61	2.344	0.526	26-04-2018	22	63	38	348	600
	RAJASTHAN										
*4	MAHI BAJAJ SAGAR	280.75	269.80	1.711	0.581	26-04-2018	34	34	25	63	140
5	JHAKAM	359.50	347.00	0.132	0.039	26-04-2018	30	29	17	28	-
*6	RANA PRATAP SAGAR	352.81	347.52	1.436	0.512	26-04-2018	36	29	31	229	172
EASTERN REGION											
	JHARKHAND										
7	TENUGHAT	269.14	257.95	0.821	0.341	26-04-2018	42	45	34	-	-
8	MAITHON	146.3	143.24	0.471	0.285	26-04-2018	61	61	38	342	-
*9	PANCHET HILL	124.97	121.51	0.184	0.048	26-04-2018	26	56	42	$	80
10	KONAR	425.81	416.66	0.176	0.045	26-04-2018	26	27	41	$	-
11	TILAIYA	368.81	364.28	0.142	0.015	26-04-2018	11	27	18	$	4
	ODISHA										
*12	HIRAKUD	192.02	186.49	5.378	1.890	26-04-2018	35	37	33	153	307
*13	BALIMELA	462.08	443.21	2.676	0.311	26-04-2018	12	39	26	-	360
14	SALANADI	82.30	70.55	0.558	0.228	26-04-2018	41	29	24	42	-
*15	RENGALI	123.50	118.02	3.432	1.690	26-04-2018	49	70	31	3	200
*16	MACHKUND(JALPUT)	838.16	831.02	0.893	0.394	26-04-2018	44	28	43	-	115
*17	UPPER KOLAB	858.00	849.72	0.935	0.263	26-04-2018	28	45	30	89	320
*18	UPPER INDRAVATI	642.00	631.42	1.456	0.451	26-04-2018	31	39	28	128	600
	WEST BENGAL										
19	MAYURAKSHI	121.31	113.95	0.480	0.174	26-04-2018	36	22	18	227	-
20	KANGSABATI	134.14	127.86	0.914	0.422	26-04-2018	46	31	17	341	-
	TRIPURA										
21	GUMTI	93.55	90.20	0.312	0.166	25-04-2018	53	44	16	-	15
WESTERN REGION											
	GUJARAT										
*22	UKAI	105.16	91.51	6.615	1.350	26-04-2018	20	46	35	348	300
23	SABARMATI(DHAROI)	189.59	180.86	0.735	0.125	26-04-2018	17	27	21	95	1
*24	KADANA	127.7	122.12	1.472	0.683	26-04-2018	46	56	52	200	120
25	SHETRUNJI	55.53	49.82	0.300	0.048	26-04-2018	16	17	15	36	-
26	BHADAR	107.89	102.83	0.188	0.039	26-04-2018	21	3	20	27	-
27	DAMANAGANGA	79.86	72.20	0.502	0.187	26-04-2018	37	27	38	51	1
28	DANTIWADA	184.1	173.58	0.399	0.100	26-04-2018	25	1	3	45	-
29	PANAM	127.41	122.55	0.697	0.280	26-04-2018	40	36	41	36	2
*30	SARDAR SAROVAR	138.68	104.42	5.760	0.000	26-04-2018	0	17	15	2120	1450
31	KARJAN	115.25	105.28	0.523	0.265	26-04-2018	51	35	46	51	3

WEEKLY REPORT OF 91 IMPORTANT RESERVOIRS OF INDIA

GOVERNMENT OF INDIA — CENTRAL WATER COMMISSION

WEEK ENDING :- 26.04.2018

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
	MAHARASHTRA										
32	JAYAKWADI(PAITHON)	463.91	460.12	2.171	0.924	25-04-2018	43	31	17	227	-
*33	KOYANA	657.90	643.41	2.652	1.363	25-04-2018	51	22	41	-	1920
34	BHIMA(UJJANI)	496.83	492.53	1.517	0.317	26-04-2018	21	1	14	125	12
35	ISAPUR	441.00	425.24	0.965	0.000	25-04-2018	0	16	28	104	-
36	MULA	552.30	542.51	0.609	0.199	25-04-2018	33	30	27	139	-
37	YELDARI	461.77	447.52	0.809	0.000	25-04-2018	0	9	13	78	-
38	GIRNA	398.07	386.23	0.524	0.091	25-04-2018	17	33	17	79	-
39	KHADAKVASLA	582.47	581.80	0.056	0.047	25-04-2018	84	80	45	78	8
*40	UPPER VAITARNA	603.50	595.24	0.331	0.098	25-04-2018	30	42	43	-	61
41	UPPER TAPI	214.00	209.98	0.255	0.062	25-04-2018	24	29	41	45	-
*42	PENCH (TOTALADOH)	490.00	471.30	1.091	0.124	25-04-2018	11	11	26	127	160
43	UPPER WARDHA	342.50	337.89	0.564	0.227	26-04-2018	40	40	34	70	-
44	BHATSA	142.07	118.75	0.942	0.427	25-04-2018	45	47	42	29.378	15
45	DHOM	747.70	735.45	0.331	0.104	25-04-2018	31	31	30	36.2	2
46	DUDHGANGA	646.00	631.03	0.664	0.259	25-04-2018	39	33	36	2.441	24
47	MANIKDOH (KUKADI)	711.25	693.80	0.288	0.060	25-04-2018	21	6	6	2.2	6
48	BHANDARDARA	744.91	732.76	0.304	0.139	25-04-2018	46	38	35	63.74	46
	CENTRAL REGION										
	UTTAR PRADESH										
49	MATATILA	308.46	303.22	0.707	0.174	25-04-2018	25	36	46	-	30
*50	RIHAND	268.22	256.46	5.649	0.980	26-04-2018	17	41	20	-	300
	UTTRAKHAND										
*51	RAMGANGA	365.30	334.37	2.196	0.494	26-04-2018	22	13	37	1897	198
*52	TEHRI	830.00	755.00	2.615	0.289	20-04-2018	11	12	16	2351	1000
	MADHYA PRADESH										
*53	GANDHI SAGAR	399.90	387.26	6.827	1.216	25-04-2018	18	58	24	220	115
54	TAWA	355.40	338.30	1.944	0.183	26-04-2018	9	24	22	247	-
*55	BARGI	422.76	417.35	3.180	1.814	26-04-2018	57	35	30	157	90
*56	BANSAGAR	341.64	334.50	5.166	2.360	26-04-2018	46	59	36	488	425
*57	INDIRA SAGAR	262.13	250.49	9.745	2.270	26-04-2018	23	30	20	2380	1000
58	BARNA	348.55	339.70	0.456	0.038	26-04-2018	8	30	18	546	-
	CHHATTIS GARH										
*59	MINIMATA BANGOI	359.66	351.85	3.046	1.686	25-04-2018	55	61	52	-	120
60	MAHANADI	348.70	342.46	0.767	0.287	25-04-2018	37	36	36	319	10
	SOUTHERN REGION										
	A.P & TG										
*61	SRISAILAM	269.75	243.84	8.288	0.724	26-04-2018	9	7	14	0	770
*62	NAGARJUNA SAGAR	179.83	156.36	6.841	0.146	26-04-2018	2	0	15	895	810
	ANDHRA PRADESH										
63	SOMASILA	100.58	85.32	1.994	0.368	26-04-2018	18	13	41	168	0
	TELANGANA										
64	SRIRAMSAGAR	332.54	320.50	2.300	0.199	26-04-2018	9	16	12	411	27
65	LOWER MANAIR	280.42	269.22	0.621	0.110	26-04-2018	18	25	24	199	60

WEEKLY REPORT OF 91 IMPORTANT RESERVOIRS OF INDIA

GOVERNMENT OF INDIA — CENTRAL WATER COMMISSION

WEEK ENDING :- 26.04.2018

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
	KARNATAKA										
66	KRISHNARAJA SAGRA	752.50	736.86	1.163	0.107	25-04-2018	9	9	22	79	-
*67	TUNGABHADRA	497.74	481.45	3.276	0.113	26-04-2018	3	1	6	529	72
68	GHATAPRABHA	662.95	641.70	1.391	0.268	25-04-2018	19	4	9	317	-
69	BHADRA	657.76	637.80	1.785	0.264	25-04-2018	15	8	35	106	39
70	LINGANAMAKKI	554.43	537.47	4.294	0.889	26-04-2018	21	12	25	-	55
71	NARAYANPUR	492.25	487.20	0.863	0.222	26-04-2018	26	14	30	425	-
72	MALAPRABHA(RENUKA)	633.83	621.92	0.972	0.060	25-04-2018	6	4	8	215	-
73	KABINI(Sancherla Tank)	696.16	687.72	0.444	0.061	25-04-2018	14	1	11	85	-
74	HEMAVATHY	890.63	873.15	0.927	0.102	25-04-2018	11	5	10	265	-
75	HARANGI	871.42	856.14	0.220	0.038	25-04-2018	17	15	15	53	-
76	SUPA	564.00	536.76	4.120	1.532	26-04-2018	37	34	29	-	-
77	VANIVILAS SAGAR	652.28	631.60	0.802	0.008	26-04-2018	1	2	12	123	-
*78	ALMATTI	519.60	508.64	3.105	0.330	26-04-2018	11	0	8	@	290
*79	GERUSOPPA	55.00	53.15	0.130	0.119	23-04-2018	92	93	88	83	240
	KERALA										
80	KALLADA(PARAPPAR)	115.82	109.70	0.507	0.357	25-04-2018	70	17	33	62	-
*81	IDAMALAYAR	169.00	138.16	1.018	0.275	25-04-2018	27	27	28	33	75
*82	IDUKKI	732.43	711.77	1.460	0.495	25-04-2018	34	18	29	-	780
*83	KAKKI	981.46	963.02	0.447	0.209	25-04-2018	47	26	36	23	300
*84	PERIYAR	867.41	859.81	0.173	0.022	25-04-2018	13	6	25	84	140
85	MALAPMUZHA	115.06	102.41	0.224	0.030	26-04-2018	13	11	21	21	3
	TAMIL NADU										
86	LOWER BHAWANI	278.89	265.36	0.792	0.168	25-04-2018	21	9	25	105	8
*87	METTUR(STANLEY)	240.79	214.99	2.647	0.278	25-04-2018	11	6	33	122	360
88	VAIGAI	279.20	269.13	0.172	0.022	25-04-2018	13	2	23	61	6
89	PARAMBIKULAM	556.26	536.17	0.380	0.023	25-04-2018	6	4	30	101	-
90	ALIYAR	320.04	299.86	0.095	0.000	25-04-2018	0	22	48	#	60
*91	SHOLAYAR	1002.79	955.39	0.143	0.000	25-04-2018	0	0	3	-	95
	TOTAL FOR 91 RESERVOIRS			**161.993**	**37.109**						
	PERCENTAGE						**23**	**27**	**25**		

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.