

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI,
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA
REJUVENATION
RAJYA SABHA
UNSTARRED QUESTION NO. 91
ANSWERED ON 18.07.2022

CONSERVATION OF WATER RESERVOIRS

91 SHRI SUJEET KUMAR

Will the Minister of JAL SHAKTI be pleased to state:-

- (a) the details of the reservoirs which have dried up in the country along with the measures being taken by Government for their conservation;
- (b) the steps taken by Government for the maintenance of the reservoirs and to increase water harvesting in the country; and
- (c) the action plan chalked out and implemented by Government to reduce the rate of evaporation during summer in the reservoirs and to construct underground reservoir in the country?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI BISHWESWAR TUDU)

(a) Central Water Commission is monitoring the live storage status of 143 reservoirs of the country on weekly basis and is issuing weekly bulletin on every Thursday. The total live storage capacity of these 143 reservoirs is 177.46 BCM which is about 68.83% of the live storage capacity of 257.81 BCM which is estimated to have been created in the country. As per reservoir storage bulletin dated 07.07.2022, live storage available in these reservoirs is 53.64 BCM, which is 30% of total live storage capacity of these 143 reservoirs. However, last year the live storage available in these reservoirs for the corresponding period was 56.25 BCM (against average of last 10 years live storage in these 143 reservoirs is 44.22 BCM). Thus, the live storage available in 143 reservoirs as per 07.07.2022 Bulletin is 95% of the live storage of corresponding period of last year and 121% of storage of average of last ten years.

As per bulletin dated 07.07.2022, out of 143 reservoirs that are monitored, four reservoirs namely Watrak (Gujarat), Bhima (Maharashtra), Rangawan (Uttar Pradesh) and Nanak Sagar (Uttarakhand) are reporting zero live storage. List of 143 reservoirs monitored by CWC indicating the status of Live Storage is enclosed as **Annexure- I**.

(b) Safety of the dams including its operation and maintenance is the principal concern of the State Agencies/Organisations who own the dams. States are providing the O&M budget for proper operation and maintenance of the dams. Govt. of India in order to supplement the efforts of the State

Governments for improving the safety and operational performance of selected existing dams, has taken up the Dam Rehabilitation and Improvement Project (DRIP) with external funding. Under DRIP, Phase-I programme, which was implemented with financial assistance from the World Bank during April 2012 to March 2021, 223 dams located in 7 States have been rehabilitated. After completion of DRIP Phase-I programme, Government of India has now taken up DRIP Phase-II & III scheme. The Scheme envisages rehabilitation and safety improvement of 736 dams located in 19 States, with a budget outlay of Rs 10,211 crore. The scheme is of 10 years duration. DRIP Phase-II has become operational from 12th October 2021, and is being co-financed by the World Bank and the Asian Infrastructure and Investment Bank.

Water being a State subject, initiatives on water management & conservation is primarily States' responsibility. Central Government supports construction of water harvesting and conservation works primarily through Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) aided by Pradhan Mantri Krishi Sinchayee Yojana –Watershed Development Component (PMKSY-WDC) and Pradhan Mantri Krishi Sinchayee Yojana – Per Drop More Crop. The important steps taken by the Central Government for sustainable ground water management including increasing water harvesting in the country are available at the following URL: http://jalshakti-dowr.gov.in/sites/default/files/Steps_to_control_water_depletion_Feb2021.pdf

Ministry of Jal Shakti had taken up Jal Shakti Abhiyan-I in 2019, Catch The Rain in 2020, Jal Shakti Abhiyan: Catch the Rain (JSA:CTR) in 2021 and JSA:CTR – 2022 Campaigns for water conservation and rainwater harvesting with people's active participation and with the aim to make "Jal Andolan" a "Jan Andolan". Around 6.20 lakh water related works were completed under JSA-I. As per information uploaded by the concerned Central Ministries/Depts. and State Nodal Depts. on JSA:CTR portal (jsactr.mowr.gov.in) more than 46 lakh water related works were completed/ongoing as on 28.3.2022 under JSA:CTR 2021 and more than 15 lakh water related works have been completed/ongoing as on 12.07.2022 under JSA:CTR-2022.

(c) Central Water Commission has published a report on “Evaporation Control in Reservoirs” in 2006 having information relating to evaporation losses from the reservoir in India, methods to reduce evaporation, etc. The said report is available in CWC website at <http://cwc.gov.in/sites/default/files/evaporation-control-in-reservoirs.pdf>

For building storage of water in the aquifer through rain water harvesting and artificial recharge, Master Plan for Artificial Recharge to Groundwater- 2020 has been prepared by CGWB in consultation with States/UTs. It is a macro level plan indicating various structures for the different terrain conditions of the country including estimated cost. The Master Plan envisages construction of about 1.42 crore Rain water harvesting and artificial recharge structures in the Country to harness 185 Billion Cubic Metre (BCM) of monsoon rainfall.

ANNEXURE REFERRED TO IN THE REPLY TO PART (a) OF UNSTARRED QUESTION NO. 91 TO BE ANSWERED IN RAJYA SABHA ON 18.07.2022 REGARDING “CONSERVATION OF WATER RESERVOIRS”.

LIVE STORAGE STATUS OF 143 IMPORTANT RESERVOIRS OF INDIA

WEEK ENDING

07-07-2022

S.NO	NAME OF RESERVOIR	(STATE)	BENE FITS		FRL (MTS.)	LIVE CAP. AT FRL (BCM)	LATEST DATE AVAILABLE	THIS SEASON		THIS YEAR STORAGE AS % OF LIVE CAP AT FRL	LAST SEASON		LAST YEAR STORAGE AS % OF LIVE CAP AT FRL	AVG. OF LAST 10 YEARS LIVE CAP (BCM).	AVG. OF LAST 10 YRS LIVE CAP AS % OF LIVE CAP AT FRL	% OF THIS YR STORAGE TO LAST YEARS STORAGE.	% OF THIS YR STORAGE TO AVG. OF LAST 10 YRS. STORAGE.
			IRR. (CCA) IN TH. HA	HYDEL IN MW				LEVEL (MTS)	LIVE STORAGE (BCM)		LEVEL (MTS)	LIVE STORAGE (BCM)					
1	2	3	3A	3B	4	5	6	7	8	9	10	11	12	13	14	15	16
*1	SRISAILAM	AP/TG	0	770	269.75	6.013	07-07-2022	251.09	1.142	19	248.20	0.947	16	0.646	11	121	177
*2	NAGARJUNA SAGAR	AP/TG	895	810	179.83	5.108	07-07-2022	161.42	1.011	20	162.06	1.128	22	0.420	8	90	241
3	SOMASILA	AP	168	0	100.58	1.994	07-07-2022	97.49	1.603	80	95.30	1.276	64	0.441	22	126	363
4	YELERU	AP	66.6	0	86.56	0.508	07-07-2022	76.90	0.112	22	77.88	0.140	28	0.074	15	80	151
5	KANDALERU	AP	300	9	85	1.792	06-07-2022	76.20	0.796	44	77.82	0.945	53	0.318	18	84	250
6	DONKARAYI	AP	0	25	316.08	0.376	07-07-2022	309.71	0.226	60	314.55	0.335	89	0.242	64	67	93
7	SRIRAMSAGAR	TG	411	27	332.54	2.3	07-07-2022	326.35	0.860	37	326.26	0.842	37	0.447	19	102	192
8	LOWER MANAIR	TG	199	60	280.42	0.621	07-07-2022	273.74	0.265	43	279.18	0.585	94	0.207	33	45	128
9	NIZAM SAGAR	TG	93.619	10	428.24	0.482	07-07-2022	424.29	0.142	29	425.21	0.194	40	0.051	11	73	278
10	SINGUR	TG	16.187	15	523.6	0.822	07-07-2022	521.36	0.523	64	520.64	0.458	56	0.217	26	114	241
*11	PRIYADARSHINI JURALA	TG	42.388	234.16	318.52	0.168	06-07-2022	317.16	0.094	56	317.26	0.098	58	0.039	23	96	241
12	CHANDAN DAM	BR	75	0	152.39	0.136	06-07-2022	145.94	0.069	51	152.50	0.136	100	0.078	57	51	88
13	TENUGHAT	JHA	0	0	269.14	0.821	07-07-2022	256.43	0.294	36	258.87	0.373	45	0.333	41	79	88
14	MAITHON	JHA	342	0	146.3	0.471	07-07-2022	138.91	0.123	26	145.43	0.393	83	0.206	44	31	60
*15	PANCHET HILL	JHA	0	80	124.97	0.184	07-07-2022	122.68	0.085	46	124.10	0.143	78	0.097	53	59	88
16	KONAR	JHA	0	0	425.81	0.176	07-07-2022	415.08	0.030	17	418.43	0.063	36	0.058	33	48	52
17	TILAIYA	JHA	0	4	368.81	0.142	07-07-2022	364.33	0.016	11	366.58	0.068	48	0.040	28	24	40
*18	GETALSUD	JHA	0	130	590.06	0.218	07-07-2022	584.27	0.064	29	586.28	0.107	49	0.083	38	60	77
*19	UKAI	GUJ	348	300	105.16	6.615	06-07-2022	96.18	2.525	38	95.62	2.331	35	1.547	23	108	163
20	SABARMATI(DHAROI)	GUJ	95	1	189.59	0.735	07-07-2022	179.85	0.090	12	182.53	0.196	27	0.146	20	46	62
*21	KADANA	GUJ	200	120	127.7	1.472	07-07-2022	115.93	0.302	21	119.71	0.512	35	0.647	44	59	47
22	SHESTRUNJI	GUJ	36	0	55.53	0.3	07-07-2022	52.20	0.148	49	53.97	0.190	63	0.082	27	78	180
23	BHADAR	GUJ	27	0	107.89	0.188	07-07-2022	103.11	0.043	23	102.93	0.040	21	0.036	19	108	119
24	DAMANGANGA	GUJ	51	1	79.86	0.502	06-07-2022	70.50	0.141	28	69.75	0.122	24	0.123	25	116	115
25	DANTIWADA	GUJ	45	0	184.1	0.399	07-07-2022	167.98	0.028	7	168.14	0.029	7	0.017	4	97	165
26	PANAM	GUJ	36	2	127.41	0.697	07-07-2022	119.15	0.160	23	121.30	0.230	33	0.302	43	70	53
*27	SARDAR SAROVAR	GUJ	2120	1450	138.68	5.76	06-07-2022	114.10	0.375	7	113.04	0.258	4	0.675	12	145	56
28	KARJAN	GUJ	51	3	115.25	0.523	06-07-2022	102.86	0.218	42	102.02	0.212	41	0.166	32	103	131
29	SUKHI(GUJ)	GUJ	20.701	0	147.82	0.167	06-07-2022	142.12	0.060	36	142.01	0.058	35	0.030	18	103	200
30	WATRAK	GUJ	22.977	0	136.25	0.154	07-07-2022	126.40	0.000	0	130.23	0.027	18	0.039	25	0	0
31	HATHMATI	GUJ	5.166	0	180.74	0.153	07-07-2022	172.39	0.005	3	177.15	0.046	30	0.019	12	11	26

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WEEK ENDING

07-07-2022

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			IRR. (CCA) IN TH. HA	HYDEL IN MW				LEVEL (MTS)	LIVE STORAGE (BCM)		LEVEL (MTS)	LIVE STORAGE (BCM)					
1	2	3	3A	3B	4	5	6	7	8	9	10	11	12	13	14	15	16
32	MACHCHHU-I	GUJ	0	0	135.33	0.071	04-07-2022	128.35	0.012	17	127.76	0.010	14	0.009	13	120	133
33	MACHCHHU-II	GUJ	10.13	0	57.3	0.091	06-07-2022	52.48	0.020	22	53.46	0.028	31	0.020	22	71	100
34	UND-I	GUJ	9.9	0	98	0.066	06-07-2022	91.56	0.004	6	92.22	0.007	11	0.010	15	57	40
35	BRAHMANI(GUJ)	GUJ	6.413	0	64.62	0.071	06-07-2022	56.65	0.004	6	60.91	0.018	25	0.007	10	22	57
*36	GOBIND SAGAR(BHAKRA)	HP	676	1379	512.06	6.229	07-07-2022	476.37	1.314	21	467.14	0.872	14	2.068	33	151	64
*37	PONG DAM(BEAS)	HP	0	396	423.67	6.157	07-07-2022	396.12	0.727	12	389.45	0.313	5	1.392	23	232	52
*38	KOL DAM	HP	0	800	642	0.089	07-07-2022	640.00	0.059	66	639.97	0.059	66	0.049	55	100	120
39	KRISHNARAJA SAGARA	KAR	79	0	752.5	1.163	07-07-2022	750.10	0.876	75	741.91	0.328	28	0.376	32	267	233
*40	TUNGABHADRA	KAR	529	72	497.74	3.276	07-07-2022	493.43	1.648	50	490.68	0.990	30	0.834	25	166	198
41	GHATAPRABHA(HIDKAL)	KAR	317	0	662.95	1.391	07-07-2022	638.15	0.162	12	651.07	0.648	47	0.263	19	25	62
42	BHADRA	KAR	106	39	657.76	1.785	07-07-2022	650.98	1.076	60	648.46	0.860	48	0.590	33	125	182
43	LINGANAMAKKI	KAR	0	55	554.43	4.294	07-07-2022	539.21	1.087	25	543.81	1.753	41	1.029	24	62	106
44	NARAYANPUR	KAR	425	0	492.25	0.863	07-07-2022	491.02	0.588	68	490.63	0.544	63	0.311	36	108	189
45	MALAPRABHA(RENUKA)	KAR	215	0	633.83	0.972	07-07-2022	626.21	0.258	27	628.82	0.446	46	0.132	14	58	195
46	KABINI	KAR	85	0	696.66	0.444	07-07-2022	693.97	0.323	73	693.70	0.310	70	0.218	49	104	148
47	HEMAVATHY	KAR	265	0	890.63	0.927	07-07-2022	888.07	0.798	86	882.73	0.457	49	0.345	37	175	231
48	HARANGI	KAR	53	0	871.42	0.22	07-07-2022	869.94	0.173	79	866.44	0.114	52	0.112	51	152	154
49	SUPA	KAR	0	0	564	4.12	07-07-2022	525.05	0.824	20	538.00	1.618	39	1.207	29	51	68
50	VANI VILAS SAGAR	KAR	123	0	652.28	0.802	07-07-2022	649.39	0.582	73	642.67	0.249	31	0.088	11	234	661
*51	ALMATTI	KAR	0	290	519.6	3.105	07-07-2022	514.34	1.278	41	517.44	2.204	71	0.895	29	58	143
*52	GERUSOPPA	KAR	83	240	55	0.13	07-07-2022	50.06	0.102	78	46.38	0.084	65	0.098	75	121	104
*53	MANI DAM	KAR	0	469	594.36	0.884	07-07-2022	575.32	0.161	18	573.60	0.125	14	0.193	22	129	83
54	TATTIHALLA	KAR	0	0	468.3	0.249	07-07-2022	454.40	0.028	11	457.80	0.058	23	0.015	6	48	187
55	KALLADA(PARAPPAR)	KRL	62	0	115.82	0.507	07-07-2022	98.90	0.177	35	107.48	0.313	62	0.205	40	57	86
*56	IDAMALAYAR	KRL	33	75	169	1.018	07-07-2022	145.26	0.412	40	143.53	0.377	37	0.279	27	109	148
*57	IDUKKI	KRL	0	780	732.43	1.46	07-07-2022	716.04	0.660	45	717.30	0.711	49	0.447	31	93	148
*58	KAKKI	KRL	23	300	981.46	0.447	07-07-2022	957.23	0.160	36	964.66	0.223	50	0.131	29	72	122
*59	PERIYAR	KRL	84	140	867.41	0.173	07-07-2022	864.62	0.107	62	864.25	0.100	58	0.057	33	107	188
60	MALAMPUZHA	KRL	21.165	2.5	115.06	0.224	07-07-2022	106.89	0.075	33	104.70	0.050	22	0.056	25	150	134
*61	GANDHI SAGAR	MP	220	115	399.9	6.827	07-07-2022	394.85	3.855	56	393.16	3.117	46	2.208	32	124	175
62	TAWA	MP	247	0	355.4	1.944	07-07-2022	343.75	0.541	28	342.53	0.436	22	0.484	25	124	112
*63	BARGI	MP	157	90	422.76	3.18	07-07-2022	412.65	1.010	32	414.95	1.342	42	0.846	27	75	119

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WEEK ENDING

07-07-2022

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			IRR. (CCA) IN TH. HA	HYDEL IN MW				LEVEL (MTS)	LIVE STORAGE (BCM)		LEVEL (MTS)	LIVE STORAGE (BCM)					
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*64	BANSAGAR	MP	488	425	341.64	5.166	07-07-2022	334.18	2.261	44	333.88	2.176	42	2.404	47	104	94
*65	INDIRA SAGAR	MP	123	1000	262.13	9.745	04-07-2022	247.07	1.096	11	246.36	0.818	8	1.140	12	134	96
66	BARNA DAM	MP	546	0	348.55	0.456	07-07-2022	343.13	0.144	32	344.70	0.218	48	0.118	26	66	122
*67	OMKARESHWAR	MP	132.5	520	196.6	0.299	07-07-2022	194.93	0.124	41	195.18	0.147	49	0.021	7	84	590
68	SANJAY SAROVAR	MP	12.646	3.45	519.38	0.508	07-07-2022	508.95	0.050	10	511.55	0.113	22	0.058	11	44	86
69	RAJGHAT DAM	MP	270	45	370.89	1.945	07-07-2022	364.05	0.731	38	359.25	0.188	10	0.287	15	389	255
70	KOLAR DAM	MP	25.677	0	462.2	0.27	07-07-2022	448.32	0.075	28	451.19	0.104	39	0.056	21	72	134
*71	ATAL SAGAR(MADIKHEDA)	MP	98.25	60	346.25	0.835	07-07-2022	337.00	0.379	45	326.85	0.098	12	0.222	27	387	171
*72	MINIMATA BANGO	CHH	0	120	359.66	3.046	07-07-2022	350.40	1.500	49	353.20	1.871	61	1.789	59	80	84
73	MAHANADI	CHH	319	10	348.7	0.767	07-07-2022	343.67	0.362	47	342.90	0.314	41	0.231	30	115	157
74	DUDHAWA	CHH	324.535	0	425.1	0.284	05-07-2022	415.99	0.045	16	416.60	0.054	19	0.065	23	83	69
75	TANDULA	CHH	246.36	0	332.2	0.312	05-07-2022	325.65	0.073	23	322.97	0.026	8	0.074	24	281	99
76	JAYAKWADI(PAITHAN)	MAH	227	0	463.91	2.171	07-07-2022	459.33	0.731	34	459.22	0.703	32	0.277	13	104	264
*77	KOYANA	MAH	0	1920	657.9	2.652	07-07-2022	626.97	0.442	17	638.91	1.026	39	0.877	33	43	50
78	BHIMA(UJJANI)	MAH	125	12	496.83	1.517	06-07-2022	490.07	0.000	0	490.29	0.000	0	0.000	0	0	NA
79	ISAPUR	MAH	104	0	441	0.965	07-07-2022	435.87	0.509	53	435.34	0.473	49	0.246	25	108	207
80	MULA	MAH	139	0	552.3	0.609	07-07-2022	539.17	0.106	17	540.27	0.134	22	0.052	9	79	204
81	YELDARI	MAH	78	0	461.77	0.809	07-07-2022	457.80	0.448	55	457.91	0.457	56	0.147	18	98	305
82	GIRNA	MAH	79	0	398.07	0.524	07-07-2022	389.34	0.261	50	389.28	0.174	33	0.078	15	150	335
83	KHADAKVASLA	MAH	78	8	582.47	0.056	07-07-2022	579.61	0.021	38	579.36	0.018	32	0.021	38	117	100
*84	UPPER VAITARNA	MAH	0	61	603.5	0.331	07-07-2022	594.09	0.075	23	592.61	0.058	18	0.092	28	129	82
85	UPPER TAPI	MAH	45	0	214	0.255	07-07-2022	209.44	0.046	18	209.42	0.045	18	0.051	20	102	90
*86	PENCH(TOTLADOH)	MAH	127	160	490	1.091	07-07-2022	482.73	0.543	50	483.63	0.592	54	0.322	30	92	169
87	UPPER WARDHA	MAH	70	0	342.5	0.564	07-07-2022	339.09	0.300	53	338.38	0.255	45	0.204	36	118	147
88	BHATSA	MAH	29.378	15	142.07	0.942	07-07-2022	115.50	0.374	40	114.58	0.359	38	0.365	39	104	102
89	DHOM	MAH	36.2	2	747.7	0.331	07-07-2022	732.92	0.069	21	736.72	0.122	37	0.078	24	57	88
90	DUDHGANGA	MAH	2.441	24	646	0.664	07-07-2022	627.90	0.199	30	629.54	0.229	34	0.215	32	87	93
91	MANIKDOH	MAH	2.2	6	711.25	0.288	07-07-2022	688.70	0.024	8	689.43	0.029	10	0.025	9	83	96
92	BHANDARDARA	MAH	63.74	46	744.91	0.304	07-07-2022	725.51	0.084	28	731.70	0.131	43	0.078	26	64	108
93	URMODI	MAH	37	3	696	0.273	07-07-2022	683.85	0.112	41	688.05	0.159	58	0.149	55	70	75
94	BHATGHAR	MAH	60.656	14.09	623.28	0.673	06-07-2022	599.53	0.066	10	602.85	0.117	17	0.133	20	56	50
95	NIRA DEOGHAR	MAH	0	6	667.1	0.332	07-07-2022	637.20	0.036	11	643.60	0.077	23	0.055	17	47	65

LIVE STORAGE STATUS OF 143 IMPORTANT RESERVOIRS OF INDIA

WEEK ENDING

07-07-2022

S.NO	NAME OF RESERVOIR	(STATE)	BENE FITS		FRL (MTS.)	LIVE CAP. AT FRL (BCM)	LATEST DATE AVAILABLE	THIS SEASON		THIS YEAR STORAGE AS % OF LIVE CAP AT FRL	LAST SEASON		LAST YEAR STORAGE AS % OF LIVE CAP AT FRL	AVG. OF LAST 10 YEARS LIVE CAP (BCM).	AVG. OF LAST 10 YRS LIVE CAP AS % OF LIVE CAP AT FRL	% OF THIS YR STORAGE TO LAST YEARS STORAGE.	% OF THIS YR STORAGE TO AVG. OF LAST 10 YRS. STORAGE.
			IRR. (CCA) IN TH. HA	HYDEL IN MW				LEVEL (MTS)	LIVE STORAGE (BCM)		LEVEL (MTS)	LIVE STORAGE (BCM)					
1	2	3	3A	3B	4	5	6	7	8	9	10	11	12	13	14	15	16
*96	THOKARWADI	MAH	0	72	667.14	0.353	07-07-2022	652.52	0.064	18	653.58	0.078	22	0.143	41	82	45
97	KANHER	MAH	44.78	4	690.78	0.272	06-07-2022	673.52	0.054	20	680.02	0.112	41	0.087	32	48	62
*98	MULSHI	MAH	0	300	607.1	0.572	07-07-2022	591.57	0.036	6	592.08	0.049	9	0.091	16	73	40
99	SURYA	MAH	18.324	6	118.6	0.276	07-07-2022	101.90	0.073	26	103.05	0.084	30	0.121	44	87	60
100	TILLARI	MAH	21.26	10	113.2	0.447	07-07-2022	103.44	0.303	68	106.79	0.350	78	0.243	54	87	125
101	DIMBHE DAM	MAH	52.569	5	719.15	0.354	07-07-2022	688.44	0.022	6	699.51	0.098	28	0.056	16	22	39
102	VEER DAM	MAH	181.27	13.5	579.85	0.266	06-07-2022	572.56	0.089	33	573.63	0.112	42	0.059	22	79	151
103	BARVI DAM	MAH	0	1.1	72.6	0.339	06-07-2022	61.37	0.118	35	62.78	0.137	40	0.081	24	86	146
104	CHASKAMAN	MAH	55.214	3	649.53	0.215	06-07-2022	631.74	0.018	8	646.70	0.163	76	0.045	21	11	40
*105	DOYANG HEP	NAG	0	75	333	0.535	07-07-2022	312.60	0.235	44	306.90	0.171	32	0.227	42	137	104
*106	HIRAKUD	ORI	153	307	192.02	5.378	07-07-2022	183.43	0.860	16	185.04	1.362	25	0.666	12	63	129
*107	BALIMELA	ORI	0	360	462.08	2.676	06-07-2022	440.31	0.097	4	445.12	0.474	18	0.731	27	20	13
108	SALANADI	ORI	42	0	82.3	0.558	07-07-2022	74.97	0.335	60	70.00	0.218	39	0.225	40	154	149
*109	RENGALI	ORI	3	200	123.5	3.432	06-07-2022	110.76	0.115	3	114.65	0.893	26	0.335	10	13	34
*110	MACHKUND(JALAPUT)	ORI	0	115	838.16	0.893	06-07-2022	819.30	0.015	2	828.17	0.265	30	0.272	30	6	6
*111	UPPER KOLAB	ORI	89	320	858	0.935	06-07-2022	845.63	0.063	7	846.50	0.106	11	0.193	21	59	33
*112	UPPER INDRAVATI	ORI	128	600	642	1.456	06-07-2022	630.33	0.362	25	630.19	0.350	24	0.328	23	103	110
113	SAPUA	ORI	0	0	168.5	0.006	06-07-2022	167.84	0.006	100	167.24	0.005	83	0.004	67	120	150
114	HARIHARJHOR	ORI	9.95	0	147.5	0.059	07-07-2022	142.23	0.012	20	141.45	0.000	0	0.019	32	0	63
115	MANDIRA DAM	ORI	0	0	210.31	0.309	07-07-2022	206.26	0.156	50	207.14	0.196	63	0.209	68	80	75
*116	THEIN DAM	PUN	348	600	527.91	2.344	07-07-2022	504.02	0.817	35	499.52	0.603	26	1.216	52	135	67
*117	MAHI BAJAJ SAGAR	RAJ	63	140	280.75	1.711	07-07-2022	269.30	0.538	31	269.20	0.531	31	0.617	36	101	87
118	JHAKAM	RAJ	28	0	359.5	0.132	07-07-2022	350.95	0.061	46	344.40	0.028	21	0.036	27	218	169
*119	RANA PRATAP SAGAR	RAJ	229	172	352.81	1.436	07-07-2022	350.12	0.933	65	348.10	0.595	41	0.578	40	157	161
120	BISALPUR	RAJ	81.8	0	315.5	1.076	07-07-2022	309.18	0.244	23	309.63	0.277	26	0.377	35	88	65
121	JAWAI DAM	RAJ	38.67	0	313.4	0.193	07-07-2022	293.16	0.011	6	304.28	0.045	23	0.024	12	24	46
122	JAISAMAND	RAJ	16	0	295.54	0.296	07-07-2022	290.63	0.090	30	292.34	0.153	52	0.085	29	59	106
123	LOWER BHAWANI	TN	105	8	278.89	0.792	07-07-2022	274.13	0.513	65	276.86	0.675	85	0.289	36	76	178
*124	METTUR(STANLEY)	TN	122	360	240.79	2.647	07-07-2022	234.78	1.846	70	227.78	1.113	42	0.752	28	166	245
125	VAIGAI	TN	61	6	279.2	0.172	07-07-2022	274.02	0.072	42	277.57	0.135	78	0.036	21	53	200
126	PARAMBIKULAM	TN	101	0	556.26	0.38	07-07-2022	549.14	0.242	64	545.20	0.165	43	0.104	27	147	233
127	ALIYAR	TN	0	60	320.04	0.095	07-07-2022	311.35	0.043	45	307.70	0.025	26	0.024	25	172	179

LIVE STORAGE STATUS OF 143 IMPORTANT RESERVOIRS OF INDIA

WEEK ENDING

07-07-2022

S.NO	NAME OF RESERVOIR	(STATE)	BENE FITS		FRL (MTS.)	LIVE CAP. AT FRL (BCM)	LATEST DATE AVAILABLE	THIS SEASON		THIS YEAR STORAGE AS % OF LIVE CAP AT FRL	LAST SEASON		LAST YEAR STORAGE AS % OF LIVE CAP AT FRL	AVG. OF LAST 10 YEARS LIVE CAP (BCM).	AVG. OF LAST 10 YRS LIVE CAP AS % OF LIVE CAP AT FRL	% OF THIS YR STORAGE TO LAST YEARS STORAGE.	% OF THIS YR STORAGE TO AVG. OF LAST 10 YRS. STORAGE.
			IRR. (CCA)IN TH. HA	HYDEL IN MW				LEVEL (MTS)	LIVE STORAGE (BCM)		LEVEL (MTS)	LIVE STORAGE (BCM)					
1	2	3	3A	3B	4	5	6	7	8	9	10	11	12	13	14	15	16
*128	SHOLAYAR	TN	0	95	1002.79	0.143	07-07-2022	997.35	0.116	81	987.50	0.075	52	0.066	46	155	176
129	SATHANUR	TN	20.243	7.5	222.2	0.207	07-07-2022	216.39	0.106	51	210.28	0.043	21	0.042	20	247	252
130	GUMTI	TRP	0	15	93.55	0.312	06-07-2022	89.60	0.144	46	90.30	0.170	54	0.157	50	85	92
131	MATATILA	UP	0	30	308.46	0.707	07-07-2022	304.59	0.269	38	301.42	0.077	11	0.151	21	349	178
*132	RIHAND	UP	0	300	268.22	5.649	07-07-2022	255.55	0.714	13	257.13	1.199	21	0.792	14	60	90
133	SHARDA SAGAR	UP	126.5	0	190.5	0.33	07-07-2022	186.34	0.180	55	188.37	0.287	87	0.217	66	63	83
134	SIRSI	UP	80.566	0	217.93	0.19	07-07-2022	211.40	0.032	17	212.60	0.051	27	0.034	18	63	94
135	MAUDAHA	UP	41.7	0	147.8	0.179	07-07-2022	143.30	0.049	27	141.50	0.019	11	0.040	22	258	123
136	JIRGO	UP	13.14	0	98.2	0.147	07-07-2022	92.16	0.040	27	93.84	0.061	41	0.049	33	66	82
137	RANGAWAN	UP	20.235	0	233.17	0.155	07-07-2022	219.76	0.000	0	220.58	0.002	1	0.014	9	0	0
138	MEJA	UP	71.048	0	178	0.299	07-07-2022	164.40	0.067	22	169.90	0.144	48	0.082	27	47	82
*139	RAMGANGA	UKH	1897	198	365.3	2.196	06-07-2022	338.90	0.669	30	342.25	0.805	37	0.675	31	83	99
*140	TEHRI	UKH	2351	1000	830	2.615	07-07-2022	755.85	0.307	12	760.55	0.366	14	0.365	14	84	84
141	NANAK SAGAR	UKH	250	0	215.19	0.176	07-07-2022	207.26	0.000	0	208.03	0.004	2	0.008	5	0	0
142	MAYURAKSHI	WB	227	0	121.31	0.48	07-07-2022	112.90	0.144	30	116.16	0.251	52	0.176	37	57	82
143	KANGSABATI	WB	341	0	134.14	0.914	07-07-2022	128.03	0.432	47	130.26	0.600	66	0.353	39	72	122
TOTAL FOR 143 RESERVOIRS			20817	19137		177.464			53.649		56.253		44.224				
PERCENTAGE									30		32		25		95		121

* HYDEL POWER CAPACITY HAVING CAPACITY MORE THAN 60MW

\$ TOTAL CCA 342 TH. HA OF DVC SYSTEM

TOTAL CCA 101 TH. HA OF PARAMBIKULAM, ALIYAR & SHOLAYAR

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

† SABARMATI RESERVOIR IS SUPPLEMENTED WITH NARMADA WATER THROUGH PIPELINE.

NA- since the calculation involved '0' in the denominator the value is not expressed, but the position is much better than the Normal.
