



**GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI
DEPARTMENT OF WATER RESOURCES,
RIVER DEVELOPMENT & GANGA REJUVENATION**

COMPENDIUM ON SEDIMENTATION OF RESERVOIRS IN INDIA



VOLUME-II: DETAILS OF INDIVIDUAL RESERVOIRS



**CENTRAL WATER COMMISSION
NEW DELHI
AUGUST, 2024**

COMPENDIUM ON SEDIMENTATION OF RESERVOIRS IN INDIA

VOL-II

DETAILS OF INDIVIDUAL RESERVOIRS



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DETAILS OF INDIVIDUAL RESERVOIRS

CUMBUM TANK

State: Andhra Pradesh	District: Prakasam	River: Gundukarmma
Year of 1st Impoundment: 1956	MDDL: NA	FRL: 203.20 m
Year of Last Survey: 1978	Catchment Area: 993.00 Sq.km	Latitude: 15.58
Longitude: 79.06	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1956	-	-	105.76	-	-	-	-	-
2	1978	St. Govt (HS)	22	84.15	-	-	21.61	21.61	20.43

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th. Cum/SqKm/yr)	Average Rate of Sedimentation For 22 Years (Th. Cum/SqKm/yr)
1	1956	-	63	-	0.99
2	1978	22		0.99	

MYLAVARAM

State: Andhra Pradesh	District: Kadapa	River: Pennar
Year of 1st Impoundment: 1969	MDDL: 190.50 m	FRL: 202.65 m
Year of Last Survey: 2021	Catchment Area: 49.72 Sq.km	Latitude: 14.85
Longitude: 78.34	Reservoir Area at FRL: 19.284Sq.km	

Survey Details

S. No.	Year of Survey	Source of Data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1969	-	-	198.58	181.97	16.61	-	-	-
2	2009	CWC (RS)	40	-	215.60	-	-	-	-
3	2021	St.Govt. (HS)	52	176.90	166.25	10.65	21.68	21.68	10.92

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Years of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 52 Years (Th.Cum/SqKm/yr)
1	1969	-	54	-	0.01
2	2009	40		-	
3	2021	12		0.01	

RAIWADA DAM

State: Andhra Pradesh	District : Vishakhapatnam	River: Sarada River
Year of 1st Impoundment: 1982	MDDL: 99.00 m	FRL: 114.00 m
Year of Last Survey: 2023	Catchment Area: 448.00 Sq.km.	Latitude: 18.02
Longitude: 82.98	Reservoir Area at FRL: 10.85 Sq.km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1982	-	-	101.94	92.74	9.2	-	-	-
2	2023	CWC (HS)	41	88.51	82.62	5.89	13.43	13.43	13.17

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation in For 41 years (Th.Cum/SqKm/yr)
1	1982	-	41	-	0.73
2	2023	41		0.73	

RALLAPADU

State: Andhra Pradesh	District: Prakasam	River: Manneru
Years of 1st Impoundment: 1958	MDDL: 34.44 m	FRL: 41.15 m
Year of Last Survey: 2021	Catchment Area: 2202 Sq. Km	Latitude: 15.05
Longitude: 79.71	Reservoir Area at FRL: 7.00 Sq. Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1958	-	-	31.33	30.84	0.50	-	-	-
2.	2021	St.Govt (HS)	63	40.89	40.04	0.85	-9.56	-9.56	-30.52

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 63 years (Th.Cum/Sqkm/yr)
1.	1958	-	65	-	-
2.	2021	63		-	

SRISAILAM

State: Andhra Pradesh	District: Kurnool	River: Krishna
Year of 1st Impoundment: 1976	MDDL: 243.84 m	FRL: 269.75 m
Year of Last Survey: 2021	Catchment Area: 60350.00 Sq.km	Latitude: 16.09
Longitude: 78.90	Reservoir Area at FRL: 615.18 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1976	-	-	8723.09	7165.45	1557.64	-	-	-
2	1989	CWC (RS)	13	-	5505.85	-	-	-	-
3	1997	St. Govt. (HS)	21	7464.27	6064.44	1399.83	1258.82	1258.82	14.43
4	1998	CWC (RS)	22	-	5152.05	-	-	-	-
5	2001	CWC (HS)	25	6245.28	5133.60	1111.68	1218.99	2477.81	28.41
6	2006	-do-	30	6632.93	5686.20	946.73	-387.65	2090.16	23.96
7	2011	-do-	35	6110.91	5290.33	820.58	522.02	2612.18	29.95
8	2021	St. Govt. (HS)	45	5831.71	5104.94	726.77	279.20	2891.38	33.15

Sedimentation Details

S.No.	Year of Survey	Year of elapsed since last survey	Years of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 45 years (Th.Cum/SqKm/yr)
1	1976	-	47	-	1.06
2	1989	13		-	
3	1997	8		0.99	
4	1998	1		-	
5	2001	3		-	
6	2006	5		-	
7	2011	5		1.73	
8	2021	10		0.46	

THANDAVA

State: Andhra Pradesh	District: Visakhapatnam	River: Thandava
Year of 1st Impoundment: 1975	MDDL: 103.65 m	FRL: 115.82 m
Year of Last Survey: 2013	Catchment Area: 448.00 Sq.km.	Latitude: 17.64
Longitude: 82.45	Reservoir Area at FRL: 16.49 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1975	-	-	140.50	124.64	15.86	-	-	-
2	2013	CWC (RS)	38	-	108.79	-	-	-	-
3	2023	CWC (HS)	48	124.39	115.60	8.79	16.11	16.11	11.47

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 48Years (Th.Cum/SqKm/yr)
1	1975	-	48	-	0.75
2	2013	38		-	
3	2023	10		0.75	

VAMSADHARA ST 1

State: Andhra Pradesh	District: Srikakulam	River: Vamsadhara
Year of 1st Impoundment: 1977	MDDL: 34.44 m	FRL: 136.10 m
Year of Last Survey: 2004	Catchment Area: 9731.00 Sq.km	Latitude: 18.69
Longitude: 83.96	Reservoir Area at FRL: N.A	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1977	-	-	-	18.74	-	-	-	-
2	2004	CWC (RS)	27	-	7.23	-	11.51	11.51	61.41

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 27 Years (Th.Cum/SqKm/yr)
1	1977	-	46	-	0.04*
2	2004	27		0.04	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS Survey

VELUGODU BALANCING RESERVOIR

State: Andhra Pradesh	District: Kurnool	River: Krishna
Years of 1st Impoundment: 1996	MDDL: 248.00 m	FRL: 264.70 m
Year of Last Survey: 2021	Catchment Area: 220.00 Sq. Km	Latitude: 15.74
Longitude : 78.58	Reservoir Area at FRL: 48.30 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1996	-	-	479.34	462.10	17.84	-	-	-
2	2021	St.Govt (HS)	25	484.59	463.79	20.80	-5.25	-5.25	-1.10

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 25 years (Th.Cum/Sqkm/yr)
1	1996	-	27	-	-
2	2021	25		-	

YELESWARAM

State: Andhra Pradesh	District: East Godavari	River: Yeleru
Years of 1st Impoundment: 1991	MDDL: 72.54 m	FRL: 86.56 m
Year of Last Surve: 2021	Catchment Area: 2232.00 Sq.km.	Latitude: 17.33
Longitude: 82.08	Reservoir Area at FRL: 59.00 Sq.km	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1991	-	-	682.77	508.00	174.77	-	-	-
2.	2021	St.Govt (HS)	30	657.39	504.15	153.24	25.38	25.38	3.72

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 30 years (Th.Cum/Sqkm/yr)
1.	1991	-	32	-	0.38
2.	2021	30		0.38	

YERRACALVA

State: Andhra Pradesh	District: West Godavari	River: Yerracalva
Year of 1st Impoundment: 1988	MDDL: 34.44 m	FRL: 136.1 m
Year of Last Survey: 2013	Catchment Area: 1085.00 Sq.km	Latitude: 17.10
Longitude: 81.24	Reservoir Area at FRL: N.A	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1988	-	-	-	59.68	-	-	-	-
2	2013	CWC (RS)	25	-	56.52	-	3.16	3.16	5.29

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th. Cum/SqKm/yr)	Average Rate of Sedimentation For 25 Years (Th. Cum/SqKm/yr)
1	1988	-	35	-	0.12*
2	2013	25		-	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS Survey

RANGANADI

State: Arunachal Pradesh	District: Lower Subansiri	River: Ranganadi (Panior)
Year of 1st Impoundment: 2002	MDDL: 560.0 m	FRL: 567.0 m
Year of Last Survey: 2017	Catchment Area: 1894.00 Sq.km	Latitude: 27.34
Longitude: 93.82	Reservoir Area at FRL: 0.91Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2002	-	-	21.28	5.70	15.58	-	-	-
2	2016	St.Govt. (HS)	14	5.81	3.86	1.95	15.47	15.47	72.70
3	2017	-do-	15	5.48	3.80	1.68	0.33	15.80	74.25

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th. Cum/SqKm/yr)	Average Rate of Sedimentation for 15 Years (Th. Cum/SqKm/yr)
1	2002	-	21	-	0.56
2	2016	14		0.58	
3	2017	1		0.56	

ANJAN

State: Bihar	District: Mallehpur	River: Anjan
Years of 1st Impoundment: 1989	MDDL: 108.84 m	FRL: 123.32 m
Year of Last Survey: 2022	Catchment Area: 82.00 Sq.Km.	Latitude: 25.03
Longitude: 86.30	Reservoir Area at FRL: 3.44 Sq.km	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1989	-	-	26.68	24.71	1.97	-	-	-
2.	2022	CWC (HS)	33	25.42	24.32	1.10	1.26	1.26	4.72

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 33 years (Th.Cum/Sqkm/yr)
1.	1989	-	34	-	0.47
2.	2022	33		0.47	

BADUA

State: Bihar	District: Banka	River: Badua
Year of 1st Impoundment: 1965	MDDL: 112.78 m	FRL: 128.63 m
Year of Last Survey: 2008	Catchment Area: 480.70 Sq. km	Latitude: 24.88
Longitude: 86.64	Reservoir Area at FRL: 11.42 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1965	-	-	129.25	109.66	19.59	-	-	-
2	2006	CWC (HS)	41	113.43	99.56	13.88	15.81	15.81	12.23
3	2008	CWC (RS)	43	-	102.11	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 41 Years (Th.Cum/SqKm/yr)
1	1965	-	58	-	0.80
2	2006	41		0.80	
3	2008	2		-	-

BILASHI

State: Bihar	District : Banka	River: Bilashi
Years of 1st Impoundment: 2001	MDDL : 84.73 m	FRL: 93.73 m
Year of Last Survey: 2022	Catchment Area: 56.46 Sq.Km.	Latitude: 24.96
Longitude: 86.83	Reservoir Area at FRL: 5.83 Sq.km	

Survey Details

S. No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	2001	-	-	32.57	28.87	3.70	-	-	-
2.	2022	CWC (HS)	21	31.07	28.75	2.32	1.50	1.50	4.61

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 21 years (Th.Cum/Sqkm/yr)
1.	2001	-	22	-	1.27
2.	2022	21		1.27	

CHANDAN

State: Bihar	District: Banka	River: Chandan
Year of 1st Impoundment: 1967	MDDL: NA	FRL: NA
Year of Last Survey: 2004	Catchment Area: 549.00 Sq. km	Latitude: 24.67
Longitude: 86.94	Reservoir Area at FRL: 108.10 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1967	-	-	146.07	124.58	21.49	-	-	-
2	2004	CWC (RS)	37	-	59.5	-	65.08	65.08	52.24

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 37 Years (Th.Cum/SqKm/yr)
1	1967	-	56	-	3.20*
2	2004	37		3.20	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS Survey

KHARAGPUR LAKE

State: Bihar	District: Munger	River: Mani
Years of 1st Impoundment: 1876	MDDL: 57.93 m	FRL: 67.93 m
Year of Last Survey: 2021	Catchment Area: 178.94 Sq.Km.	Latitude: 25.13
Longitude: 86.51	Reservoir Area at FRL: 3.84 Sq.km	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1959	Survey Data	-	16.51	16.51	0.00	-	-	-
2.	2021	St. Govt (HS)	62	15.35	15.35	0.00	1.16	1.16	7.03

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 62 years (Th.Cum/Sqkm/yr)
1.	1959	-	147	-	0.10
2.	2021	62		0.10	

ORHNI

State: Bihar	District: Banka	River: Orhni
Years of 1st Impoundment: 2000	MDDL: 115.25 m	FRL: 123.63 m
Year of Last Survey: 2021	Catchment Area: 146.50 Sq.Km.	Latitude: 24.82
Longitude: 86.80	Reservoir Area at FRL: 9.95 Sq.km	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	2000	-	-	51.56	44.59	6.97	-	-	-
2.	2022	CWC (HS)	22	34.12	28.91	5.20	17.44	17.44	33.82

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 22 years (Th.Cum/Sqkm/yr)
1.	2000	-	23	-	5.41
2.	2022	22		5.41	

BAHERAKHAR

State: Chhattisgarh	District: Kabirdham	River: Kukurbahra
Years of 1st Impoundment: 1981	MDDL: 600.780 m	FRL: 610.255 m
Year of Last Survey: 2021	Catchment Area: 36.24 Sq.Km.	Latitude: 21.89
Longitude: 80.87	Reservoir Area at FRL: 2.78 Sq.km	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1981	-	-	14.76	13.71	1.06	-	-	-
2.	2021	St.Govt (HS)	40	11.47	11.02	0.45	3.29	3.29	22.28

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 40 years (Th.Cum/Sqkm/yr)
1.	1981	-	42	-	2.27
2.	2021	40		2.27	

BALAR

State: Chhattisgarh	District: Baloda Bazaar-Bhatapara	River: Balar Nallah
Years of 1st Impoundment: 1982	MDDL: 300.00 m	FRL: 310.97 m
Year of Last Survey: 2021	Catchment Area: 81.52 Sq.Km.	Latitude: 21.52
Longitude: 82.50	Reservoir Area at FRL: 5.95 Sq.km	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1982	-	-	39.67	36.67	3.00	-	-	-
2.	2021	St.Govt (HS)	39	38.15	35.22	2.93	1.52	1.52	3.83

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 39 years (Th.Cum/Sqkm/yr)
1.	1982	-	41	-	0.48
2.	2021	39		0.48	

BANKI

State: Chhattisgarh	District: Surguja	River: Banki
Years of 1st Impoundment: 1994	MDDL: 606.25 m	FRL: 621.80 m
Year of Last Survey: 2021	Catchment Area: 37.12 Sq.Km.	Latitude: 23.11
Longitude: 83.25	Reservoir Area at FRL: 2.25 Sq.km	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1994	-	-	18.42	17.07	1.35	-	-	-
2.	2021	St.Govt (HS)	27	16.70	16.13	0.57	1.71	1.71	9.30

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 27 years (Th.Cum/Sqkm/yr)
1.	1994	-	29	-	1.71
2.	2021	27		1.71	

CHHIRPANI

State: Chhattisgarh	District: Kabirdham	River: Phonk
Years of 1st Impoundment: 1992	MDDL: 412.00 m	FRL: 428.50 m
Year of Last Survey: 2021	Catchment Area: 163.300 Sq.Km.	Latitude: 22.22
Longitude: 81.20	Reservoir Area at FRL: 5.688 Sq.km	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1992	-	-	51.92	50.24	1.67	-	-	-
2.	2021	St.Govt (HS)	29	40.88	40.16	0.71	11.04	11.04	21.26

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 29 years (Th.Cum/Sqkm/yr)
1.	1992	-	31	-	2.33
2.	2021	29		2.33	

DUDHAWA

State: Chhattisgarh	District: Dhamtari	River: Mahanadi
Year of 1st Impoundment: 1963	MDDL: 409.93 m	FRL: 425.10 m
Year of Last Survey: 2021	Catchment Area: 625.27 Sq. km	Latitude: 20.31
Longitude: 81.80	Reservoir Area at FRL: 44.87 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1963	-	-	288.65	284.12	4.53	-	-	-
2	2003	CWC (RS)	40	-	284.13	-	-	-	-
3	2011	CWC (HS)	48	260.13	259.10	1.03	28.52	28.52	9.88
4	2021	St.Govt. (HS)	58	254.12	252.00	2.11	6.02	34.53	11.96

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 58 Years (Th.Cum/SqKm/yr)
1	1963	-	60	-	0.95
2	2003	40		-	
3	2011	8		0.95	
4	2021	10		0.96	

GEJ

State: Chhattisgarh	District: Koriya	River: Gej
Years of 1st Impoundment: 2002	MDDL: 568.150 m	FRL: 580.35 m
Year of Last Survey: 2021	Catchment Area: 57.02 Sq.Km.	Latitude: 23.32
Longitude: 82.57	Reservoir Area at FRL: 4.13 Sq.km	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	2002	-	-	25.50	22.87	2.63	-	-	-
2.	2021	St.Govt (HS)	19	25.04	22.78	2.26	0.46	0.46	1.79

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 19 years (Th.Cum/Sqkm/yr)
1.	2002	-	21	-	0.42
2.	2021	19		0.42	

GHONGHA

State: Chhattisgarh	District: Bilaspur	River: Ghongha
Years of 1st Impoundment: 1981	MDDL: 311.50 m	FRL: 318.20 m
Year of Last Survey: 2021	Catchment Area: 111.37 Sq.Km.	Latitude: 22.31
Longitude: 81.98	Reservoir Area at FRL: 7.88 Sq.km	

Survey Details

S.No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1981	-	-	33.97	30.04	3.93	-	-	-
2.	2021	St.Govt. (HS)	40	30.69	28.38	2.32	3.27	3.72	9.63

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 40 years (Th.Cum/Sqkm/yr)
1.	1981	-	42	-	0.73
2.	2021	40		0.73	

GHUNGHUTTA (SHYAM)

State: Chhattisgarh	District: Surguja	River: Ghunghutta
Years of 1st Impoundment: 2000	MDDL: 574.765 m	FRL: 581.00 m
Year of Last Survey: 2021	Catchment Area: 492.00 Sq.Km.	Latitude: 23.03
Longitude: 83.22	Reservoir Area at FRL: 12.66 Sq.km	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	2000	-	-	82.00	62.05	19.95	-	-	-
2.	2021	St.Govt (HS)	21	58.86	48.33	10.52	23.14	23.14	28.22

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 21 years (Th.Cum/Sqkm/yr)
1.	2000	-	23	-	2.24
2.	2021	21		2.24	

GONDALI

State: Chhattisgarh	District: Durg	River: Juar
Year of 1st Impoundment: 1956	MDDL: 333.14 m	FRL: 343.51 m
Year of Last Survey: 2021	Catchment Area: 194.250 Sq.km	Latitude: 20.74
Longitude: 81.13	Reservoir Area at FRL: 17.480 Sq .km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1956	-	-	101.55	96.57	4.99	-	-	-
2	2021	St. Govt (HS)	65	96.21	92.15	4.06	5.34	5.34	5.26

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 65 Years (Th.Cum/SqKm/yr)
1	1956	-	67		0.42
2	2021	65		0.42	

JHUMKA

State: Chhattisgarh	District: Surguja	River: Jhumka Nalla
Years of 1st Impoundment: 1993	MDDL: 538.60 m	FRL: 551.00 m
Year of Last Survey: 2021	Catchment Area: 69.15 Sq.Km.	Latitude: 23.27
Longitude: 82.53	Reservoir Area at FRL: 3.51 Sq.km	

Survey Details

S.No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1993	-	-	25.31	22.90	2.41	-	-	-
2.	2021	St. Govt (HS)	28	23.65	22.44	1.21	1.66	1.66	6.55

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 28 years (Th.Cum/Sqkm/yr)
1.	1993	-	30	-	0.86
2.	2021	28		0.86	

KHAMHAR PAKUT

State: Chhattisgarh	District: Raigarh	River: KhamharPakut
Years of 1st Impoundment: 1991	MDDL: 504.00 m	FRL: 515.00 m
Year of Last Survey: 2021	Catchment Area: 50.58 Sq.Km.	Latitude: 22.42
Longitude: 83.57	Reservoir Area at FRL: 3.20 Sq.km	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1991	-	-	21.87	19.38	2.49	-	-	-
2.	2021	St. Govt (HS)	30	18.17	17.53	0.64	3.71	3.71	16.95

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 30 years (Th.Cum/Sqkm/yr)
1.	1991	-	32	-	2.44
2.	2021	30		2.44	

KHARKHARA

State: Chhattisgarh	District: Balod	River: Kharkhara
Year of 1st Impoundment: 1967	MDDL: 324.60 m	FRL: 333.74 m
Year of Last Survey: 2021	Catchment Area: 371.66 Sq. km	Latitude: 20.80
Longitude: 80.97	Reservoir Area at FRL: 24.28 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	%Cumulative
1	1967	-	-	169.90	139.29	30.16	-	-	-
2	2010	CWC (RS)	43	-	133.40	-	-	-	-
3	2021	St. Govt (HS)	54	168.41	140.54	27.87	1.49	1.49	0.88

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 54 Years (Th.Cum/SqKm/yr)
1	1967	-	56	-	0.07
2	2010	43		-	
3	2021	11		0.07	

KHARUNG

State: Chhattisgarh	District: Bilaspur	River: Kharung
Years of 1st Impoundment: 1930	MDDL: 283.46 m	FRL: 294.04 m
Year of Last Survey: 2021	Catchment Area: 614.00 Sq.Km.	Latitude: 22.29
Longitude: 82.23	Reservoir Area at FRL: 38.07 Sq.km	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1930	-	-	195.13	192.30	2.83	-	-	-
2.	2021	St. Govt (HS)	91	176.63	176.15	0.48	18.50	18.50	9.48

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 91 years (Th.Cum/Sqkm/yr)
1.	1930	-	93	-	0.33
2.	2021	91		0.33	

KINKARI

State: Chhattisgarh	District: Raigarh	River: Kinkari Nalla
Years of 1st Impoundment: 1982	MDDL: 568.15 m	FRL: 580.35 m
Year of Last Survey: 2021	Catchment Area: 42.91 Sq.Km.	Latitude: 21.45
Longitude: 83.31	Reservoir Area at FRL: 3.58 Sq.km	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1982	-	-	16.79	15.72	1.07	-	-	-
2.	2021	St. Govt (HS)	39	14.59	14.01	0.59	2.19	2.19	13.07

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 39 years (Th.Cum/Sqkm/yr)
1.	1982	-	41	-	1.31
2.	2021	39		1.31	

KODAR

State: Chhattisgarh	District: Mahasamund	River: Mahanadi
Year of 1st Impoundment: 1984	MDDL: 288.479 m	FRL: 295.336 m
Year of Last Survey: 2021	Catchment Area: 317.17 Sq. km	Latitude: 21.20
Longitude: 82.18	Reservoir Area at FRL: 35.81 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1984	-	-	160.35	149.02	11.33	-	-	-
2	2009	CWC (RS)	25	-	125.28	-	-	-	-
3	2021	St.Govt. (HS)	37	139.03	128.41	10.62	21.32	21.32	13.30

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 37 Years (Th.Cum/SqKm/yr)
1	1984	-	39	-	1.82
2	2009	25		-	
3	2021	12		1.82	

MANIYARI

State: Chhattisgarh	District: Bilaspur	River: Maniyari
Year of 1st Impoundment: 1930	MDDL: 344.420 m	FRL: 358.140 m
Year of Last Survey: 2021	Catchment Area: 854.20 Sq. km	Latitude: 22.40
Longitude: 81.60	Reservoir Area at FRL: 25.27 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1930	-	-	151.26	147.70	3.56	-	-	-
2	2009	CWC (RS)	79	-	100.24	-	-	-	-
3	2021	St.Govt. (HS)	91	110.30	110.02	0.28	40.96	40.96	27.08

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 91 Years (Th.Cum/SqKm/yr)
1	1930	-	93	-	0.53
2	2009	79		-	
3	2021	12		0.53	

MATIAMOTI

State: Chhattisgarh	District: Rajnandgaon and Balod	River: Moti Nalla
Years of 1st Impoundment: 1988	MDDL: 322.170 m	FRL: 328.480 m
Year of Last Survey: 2021	Catchment Area: 82.88 Sq.Km.	Latitude: 20.88
Longitude: 80.93	Reservoir Area at FRL: 7.79 Sq.km	

Survey Details

S.No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1988	-	-	29.46	26.48	2.98	-	-	-
2.	2021	St.Govt. (HS)	33	24.24	22.06	2.17	5.22	5.22	17.73

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 33 years (Th.Cum/Sqkm/yr)
1.	1988	-	35	-	1.91
2.	2021	33		1.91	

MINIMATA BANGO

State: Chhattisgarh	District: Korba	River: Hasdeo
Year of 1st Impoundment: 1990	MDDL: 329.79 m	FRL: 359.66 m
Year of Last Survey: 2021	Catchment Area: 6730.00 Sq. km	Latitude: 22.61
Longitude: 82.60	Reservoir Area at FRL: 188.45 Sq. Km	

Survey Details

S. No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1990	-	-	3416.00	3046.00	370.00	-	-	-
2	2001	CWC (HS)	11	3365.79	3024.27	341.52	50.21	50.21	1.47
3	2005	CWC (RS)	15	-	2894.33	-	-	-	-
4	2021	St. Govt. (HS)	31	3219.82	2888.48	331.35	145.97	196.18	5.74

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 31 years (Th.Cum/SqKm/yr)
1	1990	-	33	-	0.94
2	2001	11		0.68	
3	2005	4		-	
4	2021	16		1.08	

MOORUMSILLI

State: Chhattisgarh	District: Dhamtari	River: Siliyari
Years of 1st Impoundment: 1923	MDDL: 361.190 m	FRL: 376.280 m
Year of Last Survey: 2021	Catchment Area: 484.33 Sq.Km.	Latitude: 20.54
Longitude: 81.66	Reservoir Area at FRL: 25.25 Sq.km	

Survey Details

S.No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1923	-	-	158.51	155.08	3.43	-	-	-
2.	2021	St.Govt (HS)	98	148.62	147.82	0.80	9.89	9.89	6.24

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 98 years (Th.Cum/Sqkm/yr)
1.	1923	-	100	-	0.21
2.	2021	98		0.21	

RAVI SHANKAR SAGAR DAM

State: Chhattisgarh	District: Dhamtari	River: Mahanadi
Year of 1st Impoundment: 1979	MDDL: 336.21 m	FRL: 348.70 m
Year of Last Survey: 2021	Catchment Area: 3670.00 Sq. km	Latitude: 20.60
Longitude: 81.54	Reservoir Area at FRL: 95.17 sq. Km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1979	-	-	909.32	766.32	143.00	-	-	
2	2003	CWC (HS)	24	881.12	757.12	124.00	28.20	28.20	3.10
3	2014	CWC (RS)	35	-	744.78	-	-	-	-
4	2021	St. Govt. (HS)	42	825.89	700.35	125.54	55.23	83.43	9.17

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 42 Years (Th.Cum/SqKm/yr)
1	1979	-	44	-	0.54
2	2003	24		0.32	
3	2014	11		-	
4	2021	07		0.84	

SARODA

State: Chhattisgarh	District: Kabeerdham	River: Utani
Years of 1st Impoundment: 1963	MDDL: 406.080 m	FRL: 420.921 m
Year of Last Survey: 2021	Catchment Area: 94.25 Sq.Km.	Latitude: 21.98
Longitude: 81.13	Reservoir Area at FRL: 4.09 Sq.km	

Survey Details

S.No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1963	-	-	31.15	30.15	1.00	-	-	-
2.	2021	St.Govt (HS)	58	27.88	27.65	0.23	3.27	3.27	10.49

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 58 years (Th.Cum/Sqkm/yr)
1.	1963	-	60	-	0.60
2.	2021	58		0.60	

SIKASAR

State: Chhattisgarh	District: Gariyaband	River: Paury
Years of 1st Impoundment: 1977	MDDL: 392.130 m	FRL: 406.300 m
Year of Last Survey: 2021	Catchment Area: 497.00 Sq.Km.	Latitude: 20.47
Longitude: 82.31	Reservoir Area at FRL: 24.87 Sq.km	

Survey Details

S.No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1977	-	-	216.50	198.81	17.69	-	-	-
2.	2003	CWC (RS)	26	-	182.98	-	-	-	-
3.	2021	St.Govt (HS)	44	193.18	178.72	14.45	23.32	23.32	10.77

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 44 years (Th.Cum/Sqkm/yr)
1.	1977	-	46	-	1.07
2.	2003	26		-	
3.	2021	18		1.07	

SONDUR

State: Chhattisgarh	District: Dhamtari	River: Sondur
Year of 1st Impoundment: 1988	MDDL: 459.265 m	FRL: 471.065 m
Year of Last Survey: 2021	Catchment Area: 512.00 Sq. km	Latitude: 20.23
Longitude: 82.11	Reservoir Area at FRL: 24.16 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1988	-	-	198.10	179.61	18.49	-	-	-
2	2003	CWC (RS)	15	-	134.79	-	-	-	-
3	2021	St. Govt. (HS)	33	145.02	131.16	13.86	53.08	53.08	26.79

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 33 Years (Th.Cum/SqKm/yr)
1	1988	-	35	-	3.14
2	2003	15		-	
3	2021	18		3.14	

TANDULA

State: Chhattisgarh	District: Balod	River: Tandula and Sukha
Year of 1st Impoundment: 1923	MDDL: 320.450 m	FRL: 332.180 m
Year of Last Survey: 2021	Catchment Area: 827.09 Sq. km	Latitude: 20.70
Longitude: 81.17	Reservoir Area at FRL: 46.27 Sq. km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1923	-	-	312.25	302.27	9.98	-	-	-
2	2016	CWC (RS)	93	-	293.20	-	-	-	-
3	2021	St.Govt. (HS)	98	288.93	280.04	8.890	23.32	23.32	7.47

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 98 Years (Th.Cum/SqKm/yr)
1	1923	-	100	-	0.29
2	2016	93		-	
3	2021	5		0.29	

ANJUNEM

State: Goa	District: North Goa	River: Costi nadi
Years of 1st Impoundment: 1989	MDDL: 62.00 m	FRL: 93.20 m
Year of Last Survey: 2021	Catchment Area: 17.18 Sq.Km.	Latitude: 15.62
Longitude: 74.09	Reservoir Area at FRL: 2.53 Sq.Km.	

Survey Details

S.No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1989	-	-	44.83	44.03	0.80	-	-	-
2.	2021	St.Govt. (HS)	32	35.49	35.32	0.17	9.34	9.34	20.83

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 32 years (Th.Cum/Sqkm/yr)
1.	1989	-	34	-	16.99
2.	2021	32		16.99	

SALAU LIM

State: Goa	District: South Goa	River: Selaulim River/Zurai
Year of 1st Impoundment: 1990	MDDL: NA	FRL: 41.15 m
Year of Last Survey: 2021	Catchment Area: 209.04 Sq.km	Latitude: 15.18
Longitude: 74.19	Reservoir Area at FRL: 2.53 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (Years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1990	-	-	234.00	226.97	7.03	-	-	-
2	2011	CWC (HS)	21	192.68	190.85	1.82	41.32	41.32	17.66
3	2021	St. Govt (HS)	31	208.82	203.70	5.12	-16.14	25.18	10.76

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 31 years (Th.Cum/SqKm/yr)
1	1990	-	33	-	3.89
2	2011	21		9.41	
3	2021	10		-	

AJI-1

State: Gujarat	District: Sabarkantha	River: Aji
Years of 1st Impoundment: 1954	MDDL: NA	FRL: 147.52 m
Year of Last Survey: 2021	Catchment Area: 142.45 Sq. km	Latitude: 22.26
Longitude: 70.85	Reservoir Area at FRL: 6.59 Sq.Km	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	2000	Survey data	-	26.43	25.99	0.44	-	-	-
2.	2021	St.Govt (HS)	21	28.71	28.60	0.11	-2.28	-2.28	-8.62

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 21 years (Th.Cum/Sqkm/yr)
1.	2000	-	69	-	-
2.	2021	21		-	

AJI-II

State: Gujarat	District: Rajkot	River: Tributary of Aji
Year of 1st Impoundment: 1986	MDDL: 64.600 m	FRL: 73.760 m
Year of Last Survey: 2022	Catchment Area: 450.66 Sq. km	Latitude: 22.38
Longitude: 70.77	Reservoir Area at FRL: 5.92 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (Years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1986	-	-	22.09	20.76	1.33	-	-	-
2	2022	St. Govt (HS)	36	18.65	18.45	0.20	3.44	3.44	15.58

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 36 years (Th.Cum/SqKm/yr)
1	1986	-	37	-	0.21
2	2022	36		0.21	

AJI-III

State: Gujarat	District: Rajkot	River : Tributary of Aji
Year of 1st Impoundment: 1989	MDDL: 45.000 m	FRL: 53.150 m
Year of Last Survey: 2022	Catchment Area: 1378.53 Sq. km	Latitude: 22.50
Longitude: 70.58	Reservoir Area at FRL: 14.02 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (Years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1989	-	-	61.95	57.20	4.75	-	-	-
2	2022	St. Govt (HS)	33	53.77	51.37	2.40	8.18	8.18	13.20

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 33 years (Th.Cum/SqKm/yr)
1	1989	-	34	-	0.18
2	2022	33		0.18	

AJWA

State: Gujarat	District: Vadodara	River: Surya Rivulet
Year of 1st Impoundment: 1891	MDDL: 175.77 m	FRL: 189.59 m
Year of Last Survey: 1987	Catchment Area: 177.30 Sq. km	Latitude: 22.38
Longitude: 73.39	Reservoir Area at FRL: 14.00 Sq.km	

Survey Details

S. No.	Year of Survey	Source of Data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1891	-	-	62.70	-	-	-	-	-
2	1987	St.Govt (HS)	96	54.99	-	-	7.71	7.71	12.30

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 96 Years (Th.Cum/SqKm/yr)
1	1891	-	132	-	0.45
2	1987	96		0.45	

BANGAVADI

State: Gujarat	District: Morbi	River: Savadiyanal Tributor of Aji
Year of 1st Impoundment: 1988	MDDL: 36.320 m	FRL: 42.050 m
Year of Last Survey: 2022	Catchment Area: 96.50 Sq. km	Latitude: 22.62
Longitude: 70.61	Reservoir Area at FRL: 2.52 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (Years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1988	-	-	6.04	5.95	0.09	-	-	-
2	2022	St. Govt (HS)	34	6.18	5.94	0.24	-0.14	-0.14	-2.35

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 34 years (Th.Cum/SqKm/yr)
1	1988	-	35	-	-
2	2022	34		-	

BAUKHA

State: Gujarat	District: Kachchh	River: Tributory of Kaila
Year of 1st Impoundment: 1976	MDDL: 105.600 m	FRL: 108.200 m
Year of Last Survey: 2022	Catchment Area: 9.37 Sq. km	Latitude: 23.31
Longitude: 69.57	Reservoir Area at FRL: 0.24 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1976	-	-	0.55	0.55	0	-	-	-
2	2022	St. Govt (HS)	46	0.58	0.45	0.13	-0.03	-0.03	-4.91

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 46 years (Th.Cum/SqKm/yr)
1	1976	-	47	-	-
2	2022	46		-	

BERACHIYA

State: Gujarat	District: Kachchh	River: Tributary of Naira
Year of 1st Impoundment: 1987	MDDL: 65.70 m	FRL: 70.40 m
Year of Last Survey: 2022	Catchment Area: 160.06 Sq. km	Latitude: 23.21
Longitude: 69.07	Reservoir Area at FRL: 2.80 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1987	-	-	6.87	5.53	1.34	-	-	-
2	2022	St. Govt (HS)	35	5.86	5.29	0.57	1.01	1.01	14.66

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 35 years (Th.Cum/SqKm/yr)
1	1987	-	36	-	0.18
2	2022	35		0.18	

BHADAR-1

State: Gujarat	District : Rajkot	River: Bhadar
Year of 1st Impoundment: 1964	MDDL: 97.56 m	FRL: 107.9 m
Year of Last Survey: 2021	Catchment Area: 2406.00 Sq.km	Latitude: 21.82
Longitude: 70.77	Reservoir Area at FRL: 44.00 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	%Cumulative
1	1964	-	-	237.86	223.70	14.16	-	-	-
2	2002	CWC (RS)	38	-	191.74	-	-	-	-
3	2004	St. Govt (HS)	40	146.31	145.98	0.33	91.55	91.55	38.49
4	2021	-do-	57	213.17	212.94	0.24	-66.86	24.68	10.38

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 57 Years (Th.Cum/SqKm/yr)
1	1964	-	59	-	0.18
2	2002	38		-	
3	2004	2		0.95	
4	2021	17		-	

BHADAR-2

State: Gujarat	District: NA	River: Bhadar
Years of 1st Impoundment: 2000	MDDL: NA	FRL: 53.10 m
Year of Last Survey: 2021	Catchment Area: 612.78 Sq.Km.	Latitude: 21.76
Longitude: 70.43	Reservoir Area at FRL: 8.50 Sq.Km.	

Survey Details

S. No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	2005	Survey data	-	49.00	41.85	7.15	-	-	-
2.	2021	St.Govt (HS)	16	41.79	35.20	6.59	7.21	7.21	14.72

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 16 years (Th.Cum/Sqkm/yr)
1.	2005	-	23	-	0.74
2.	2021	16		0.74	

BHADAR (P)

State: Gujarat	District: Panchmahal	River: Bhadar
Year of 1st Impoundment: 1983	MDDL: 110.95 m	FRL: 123.72 m
Year of Last Survey: 2009	Catchment Area: 407.00 Sq.km	Latitude: 21.81
Longitude: 70.81	Reservoir Area at FRL: 5.07 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1983	-	-	46.72	39.9	6.82	-	-	-
2	1995	St. Govt (HS)	12	35.71	31.92	3.79	11.01	11.01	23.57
3	1999	-do-	16	32.17	29.28	2.89	3.54	14.55	31.14
4	2009	-do-	26	30.95	29.174	1.776	1.22	15.77	33.76

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 26 Years (Th.Cum/SqKm/yr)
1	1983	-	40	-	1.49
2	1995	12		2.25	
3	1999	4		2.17	
4	2009	10		0.30	

BHALOT

State: Gujarat	District: Kachchh	River: Tributary of local
Years of 1st Impoundment: 1976	MDDL: 96.300 m	FRL: 101.500 m
Year of Last Survey: 2022	Catchment Area: 7.51 Sq.Km.	Latitude: 23.06
Longitude: 69.78	Reservoir Area at FRL: 0.15 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1976	-	-	0.43	0.36	0.70	-	-	-
2.	2022	St.Govt (HS)	46	0.18	0.18	0	0.25	0.25	57.44

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 46 years (Th.Cum/Sqkm/yr)
1.	1976	-	47	-	0.71
2.	2022	46		0.71	

BHIMDAD

State: Gujarat	District : Bhavnagar	River: Madhu
Year of 1st Impoundment: 1953	MDDL: NA	FRL: 104.85 m
Year of Last Survey: 1986	Catchment Area: 109.82 Sq.km	Latitude: 22.09
Longitude: 71.58	Reservoir Area at FRL: 3.50 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (Years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1953	-	-	11.19	-	-	-	-	-
2	1974	St. Govt (HS)	21	10.01	-	-	1.18	1.18	10.55
3	1986	-do-	33	6.69	-	-	3.32	3.50	40.21

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 33 Years (Th.Cum/SqKm/yr)
1	1953	-	70	-	1.24
2	1974	21		0.51	
3	1986	12		2.52	

BHUKHI

State: Gujarat	District: Kachchh	River: Tributary of Bhukhi
Year of 1st Impoundment: 1983	MDDL: 62.05 m	FRL: 73.00 m
Year of Last Survey: 2022	Catchment Area: 156.90 Sq. km	Latitude: 23.42
Longitude: 69.35	Reservoir Area at FRL: 2.55 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (Years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	%Cumulative
1	1983	-	-	15.58	14.58	1.00	-	-	-
2	2022	St. Govt (HS)	39	12.49	12.20	0.29	3.09	3.09	19.84

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 39 years (Th.Cum/SqKm/yr)
1	1983	-	40	-	0.51
2	2022	39		0.51	

BHUVAD

State: Gujarat	District: Kachchh	River: Tributary of Local
Year of 1st Impoundment: 1965	MDDL: 28.96 m	FRL: 33.23 m
Year of Last Survey: 2022	Catchment Area: 14.76 Sq. km	Latitude: 23.03
Longitude: 69.88	Reservoir Area at FRL: 52.20 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (Years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1965	-	-	0.89	0.80	0.09	-	-	-
2	2022	St. Govt (HS)	57	0.85	0.85	0	0.04	0.04	4.72

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 57 years (Th.Cum/SqKm/yr)
1	1965	-	58	-	0.05
2	2022	57		0.05	

BRAHMANI-I

State: Gujarat	District: Surendranagar	River: Brahmani
Years of 1 Impoundment: 1953	MDDL: 56.39 m	FRL: 64.63 m
Year of Last Survey: 2021	Catchment Area: 699.30 Sq.Km.	Latitude: 22.90
Longitude: 71.15	Reservoir Area at FRL: 19.92 Sq.Km.	

Survey Details

S. No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1953	-	-	74.95	71.36	3.60	-	-	-
2.	1986	St. Govt (HS)	33	58.33	-	-	16.62	16.62	22.17
3.	2021	-do-	68	73.58	70.32	3.27	-15.25	1.37	1.83

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 68 years (Th.Cum/Sqkm/yr)
1.	1953	-	70	-	0.03
2.	1986	33		0.72	
3.	2021	35		-	

CHHAPARWADI-II

State: Gujarat	District: Rajkot	River: Tributary of Chhaparvadi
Year of 1st Impoundment: 1978	MDDL: 90.780 m	FRL: 98.380 m
Year of Last Survey: 2022	Catchment Area: 375.43 Sq. km	Latitude: 21.89
Longitude: 70.62	Reservoir Area at FRL: 4.03 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1978	-	-	17.26	16.76	0.50	-	-	-
2	2022	St. Govt (HS)	44	16.23	15.02	1.21	1.03	1.03	5.98

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 44 years (Th.Cum/SqKm/yr)
1	1989	-	45	-	0.06
2	2022	44		0.06	

CHOPADVAV

State: Gujarat	District: Narmada	River: Doman
Year of 1st Impoundment: 1985	MDDL: 176.40 m	FRL: 186.30 m
Year of Last Survey: 2020	Catchment Area: 27.84 Sq.km	Latitude: 21.55
Longitude: 73.74	Reservoir Area at FRL: 1.72 Sq.km	

Survey Details

S. No	Year of Survey	Source of data	Period (Years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1985	-	-	10.15	9.4	0.75	-	-	-
2	1998	St. Govt (HS)	13	5.69	5.45	0.24	4.46	4.46	43.94
3	2020	-do-	35	5.62	5.62	0.02	0.07	4.53	44.63

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 35 Years (Th.Cum/SqKm/yr)
1	1985	-	38	-	4.65
2	1998	13		12.32	
3	2020	22		0.11	

CHUNADI

State: Gujarat	District: Kachchh	River: Tributary of Nag
Year of 1st Impoundment: 1985	MDDL: 85.00 m	FRL: 91.00 m
Year of Last Survey: 2022	Catchment Area: 6.73 Sq. km	Latitude: 23.07
Longitude: 69.54	Reservoir Area at FRL: 0.12 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1985	-	-	0.40	0.34	0.06	-	-	-
2	2022	St. Govt (HS)	37	0.18	0.18	0.00	0.22	0.22	54.09

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 37 years (Th.Cum/SqKm/yr)
1	1985	-	38	-	0.88
2	2022	37		0.88	

DAMANGANGA

State: Gujarat	District: Valsad	River: Damanganga
Year of 1st Impoundment: 1983	MDDL: 61.60 m	FRL: 79.86 m
Year of Last Survey: 2020	Catchment Area: 1813.00 Sq.km	Latitude: 20.34
Longitude: 72.91	Reservoir Area at FRL: 48.87 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1983	-	-	567.00	502.00	65.00	-	-	-
2	1992	St. Govt (HS)	9	558.04	492.26	65.78	8.96	8.96	1.58
3	1996	-do-	13	557.56	500.01	57.55	0.48	9.44	1.66
4	1999	-do-	16	525.81	464.46	61.35	31.75	41.19	7.26
5	2002	CWC (RS)	19	-	476.13	-	-	-	-
6	2008	St. Govt (HS)	25	524.86	478.09	46.77	0.95	42.14	7.43
7	2020	-do-	37	521.55	472.86	48.70	3.30	45.45	8.02

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 37 years (Th.Cum/SqKm/yr)
1	1983	-	40	-	0.68
2	1992	9		0.55	
3	1996	4		0.07	
4	1999	3		5.84	
5	2002	3		-	
6	2008	6		0.06	
7	2020	12		0.15	

DANTIWADA

State: Gujarat	District: Banaskantha	River: Banas
Year of 1st Impoundment: 1965	MDDL: 161.85 m	FRL: 184.15 m
Year of Last Survey: 2020	Catchment Area: 2862.00 Sq.km	Latitude: 24.33
Longitude: 72.36	Reservoir Area at FRL: 40.47 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1965	-	-	464.39	444.71	19.68	-	-	-
2	1984	St. Govt (HS)	19	396.15	384.58	11.57	68.25	68.25	14.70
3	1991	-do-	26	408.43	408.43	0	-12.28	55.97	12.05
4	1994	-do-	29	319.32	319.32	0	89.11	145.08	31.24
5	2007	-do-	42	395.33	393.24	2.10	-76.01	69.07	14.87
6	2007	CWC (RS)	42	-	389.52	-	-	-	-
7	2020	St. Govt (HS)	55	389.07	383.96	5.11	6.26	75.32	16.22

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 55 Years (Th.Cum/SqKm/yr)
1	1965	-	58	-	0.48
2	1984	19		1.26	
3	1991	7		-	
4	1994	3		10.38	
5	2007	13		-	
6	2007	0		-	
7	2020	13		0.17	

DARSADI

State: Gujarat	District: Kachchh	River: Tributary of Local
Year of 1st Impoundment: 1971	MDDL: 68.88 m	FRL: 72.55 m
Year of Last Survey: 2022	Catchment Area: 8.29 Sq. km	Latitude: 23.07
Longitude: 69.40	Reservoir Area at FRL: 0.25 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (Years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1971	-	-	0.70	0.56	0.14	-	-	-
2	2022	St. Govt (HS)	51	0.46	0.45	0.01	0.25	0.25	35.00

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 51 years (Th.Cum/SqKm/yr)
1	1971	-	52	-	0.58
2	2022	51		0.58	

DEMI – I

State: Gujarat	District: Rajkot	River: Tributary of Demi
Year of 1st Impoundment: 1959	MDDL: 53.340 m	FRL: 60.350 m
Year of Last Survey: 2022	Catchment Area: 170.65 Sq. km	Latitude: 22.56
Longitude: 70.76	Reservoir Area at FRL: 6.31 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1959	-	-	22.17	22.10	0.07	-	-	-
2	1984	St. Govt (HS)	25	16.55	-	-	5.62	5.62	25.36
3	2022	-do-	38	22.03	21.98	0.05	-5.48	0.15	0.65

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 63 years (Th.Cum/SqKm/yr)
1	1959	-	64	-	0.01
2	1984	25		1.32	
3	2022	63		-	

DEMI – II

State: Gujarat	District: Morbi	River: Tributary of Demi
Year of 1st Impoundment: 1989	MDDL: 42.00 m	FRL: 48.00 m
Year of Last Survey: 2022	Catchment Area: 428.64 Sq. km	Latitude: 22.71
Longitude: 70.73	Reservoir Area at FRL: 9.49 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1989	-	-	21.38	19.96	1.42	-	-	-
2	2022	St. Govt (HS)	33	21.59	20.60	0.99	-0.21	-0.21	-0.98

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 33 years (Th.Cum/SqKm/yr)
1	1989	-	34	-	-
2	2022	33		-	

DEMI – III

State: Gujarat	District: Morbi	River: Tributary of Demi
Year of 1st Impoundment: 2001	MDDL: 21.650 m	FRL: 25.600 m
Year of Last Survey: 2022	Catchment Area: 573.89 Sq. km	Latitude: 22.74
Longitude: 70.61	Reservoir Area at FRL: 3.57 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2001	-	-	9.60	8.47	1.13	-	-	-
2	2022	St. Govt (HS)	21	10.58	8.30	2.29	-0.98	-0.98	-10.24

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 21 years (Th.Cum/SqKm/yr)
1	2001	-	22	-	-
2	2022	21		-	

DEV

State: Gujarat	District: Panchmahal	River: Deo
Year of 1st Impoundment: 1986	MDDL: 80.00 m	FRL: 89.65 m
Year of Last Survey: 2005	Catchment Area: 259.00 Sq. km	Latitude: 22.38
Longitude: 73.54	Reservoir Area at FRL: 16.68 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1986	-	-	84.09	76.33	7.76	-	-	-
2	1998	St. Govt (HS)	12	74.26	66.92	7.34	9.83	9.83	11.69
3	2005	-do-	19	67.95	61.35	6.59	6.31	16.14	19.20
4	2021	-do-	33	61.44	57.64	3.80	6.51	22.65	26.94

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 33 Years (Th.Cum/SqKm/yr)
1	1986	-	35	-	2.50
2	1998	12		3.16	
3	2005	7		0.35	
4	2021	16		1.57	

DHANETI

State: Gujarat	District: Kachchh	River: Tributary of Local
Year of 1st Impoundment: 1953	MDDL: 85.35 m	FRL: 90.50 m
Year of Last Survey: 2022	Catchment Area: 36.03 Sq. km	Latitude: 23.28
Longitude: 69.90	Reservoir Area at FRL: 0.71 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1953	-	-	2.68	2.51	0.17	-	-	-
2	2022	St. Govt (HS)	69	1.98	1.89	0.09	0.70	0.70	26.04

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 69 years (Th.Cum/SqKm/yr)
1	1953	-	70	-	0.28
2	2022	69		0.28	

DHARI

State: Gujarat	District: Surendranagar	River: Tributary of Sukhbhadar
Year of 1st Impoundment: 1972	MDDL: 44.500 m	FRL: 49.070 m
Year of Last Survey: 2022	Catchment Area: 64.25 Sq. km	Latitude: 22.22
Longitude: 71.28	Reservoir Area at FRL: 0.86 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (Years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1972	-	-	3.62	2.77	0.85	-	-	-
2	2022	St. Govt (HS)	50	3.17	2.52	0.65	0.45	0.45	12.51

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 50 years (Th.Cum/SqKm/yr)
1	1972	-	51	-	0.14
2	2022	50		0.14	

DHAROI

State: Gujarat	District: Mehsana	River: Sabarmati
Year of 1st Impoundment: 1976	MDDL: 175.78 m	FRL: 189.59 m
Year of Last Survey: 2020	Catchment Area: 5540.00 Sq. km	Latitude: 24.00
Longitude: 72.85	Reservoir Area at FRL: 107.45 Sq. Km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1976	-	-	907.88	775.89	131.99	-	-	-
2	1990	St.Govt (HS)	14	760.65	689.89	70.76	147.23	147.23	16.21
3	1991	-do-	15	745.86	673.63	72.23	14.79	162.02	17.85
4	1992	-do-	16	838.54	747.91	90.63	-92.68	68.34	7.64
5	1994	-do-	18	842.19	760.01	82.18	-3.65	65.69	7.24
6	2000	CWC (HS)	24	802.21	727.40	74.81	39.98	105.67	11.64
7	2006	St. Govt (HS)	30	813.14	745.48	67.655	-10.93	94.74	10.44
8	2020	-do-	44	819.51	745.49	74.02	-6.37	88.37	9.73

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 44 Years (Th.Cum/SqKm/yr)
1	1976	-	47	-	0.36
2	1990	14		1.90	
3	1991	1		2.67	
4	1992	1		-	
5	1994	2		-	
6	2000	6		1.20	
7	2006	6		-	
8	2020	14		-	

DHATARWADI

State: Gujarat	District: Amreli	River: Dhatarwadi
Year of 1st Impoundment: 1975	MDDL: NA	FRL: 34.41m
Year of Last Survey: 1986	Catchment Area: 429.94 Sq.km	Latitude: 21.04
Longitude: 71.42	Reservoir Area at FRL: 36.5 0Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1975	-	-	32.73	-	-	-	-	-
2	1986	St. Govt (HS)	11	26.8	-	-	5.93	5.93	18.12

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 11 Years (Th.Cum/SqKm/yr)
1	1975	-	48	-	1.25
2	1986	11		1.25	

DON

State: Gujarat	District: Kachchh	River: Tributary of Khrod
Year of 1st Impoundment: 1987	MDDL: 44.60 m	FRL: 47.75 m
Year of Last Survey: 2022	Catchment Area: 140.29 Sq. km	Latitude: 22.97
Longitude: 69.32	Reservoir Area at FRL: 0.68 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1987	-		2.28	1.39	0.89	-	-	-
2	2022	St. Govt (HS)	35	1.95	1.42	0.53	0.33	0.33	14.37

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 35 years (Th.Cum/SqKm/yr)
1	1987	-	36	-	0.07
2	2022	35		0.07	

DONDI

State: Gujarat	District: Rajkot	River: Tributary of Dondi
Year of 1st Impoundment: 2001	MDDL: 101.100 m	FRL: 103.720 m
Year of Last Survey: 2022	Catchment Area: 52.00 Sq. km	Latitude: 22.29
Longitude: 70.60	Reservoir Area at FRL: 1.72 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2001	-	-	3.80	2.92	0.88	-	-	-
2	2022	St. Govt (HS)	21	2.93	2.43	0.51	0.87	0.87	22.87

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 21 years (Th.Cum/SqKm/yr)
1	2001	-	22	-	0.80
2	2022	21		0.80	

DOSWADA

State: Gujarat	District: Tapi	River: Mindhola
Year of 1st Impoundment: 1913	MDDL: 118.26 m	FRL: 123.44 m
Year of Last Survey: 2021	Catchment Area: 62.16 Sq.Km	Latitude: 21.12
Longitude: 73.52	Reservoir Area at FRL: 1.13 Sq.Km	

Survey Details

S. No	Year of Survey	Source of data	Period (Years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1913	-	-	5.00	4.8	0.20	-	-	-
2	2021	St. Govt (HS)	108	3.43	3.33	0.10	1.57	1.57	31.40

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 108 years (Th.Cum/SqKm/yr)
1	1913	-	110	-	0.23
2	2021	108		0.23	

EDMOND

State: Gujarat	District: Kachchh	River: Tributary of Nag
Year of 1st Impoundment: 1946	MDDL: 50.30 m	FRL: 59.74 m
Year of Last Survey: 2022	Catchment Area: 12.31 Sq. km	Latitude: 23.13
Longitude: 69.56	Reservoir Area at FRL: 0.51 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1946	-	-	0.99	0.96	0.03	-	-	-
2	2022	St. Govt (HS)	76	1.62	1.62	0	-0.63	-0.63	-63.94

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 76 years (Th.Cum/SqKm/yr)
1	1946	-	77	-	-
2	2022	76		-	

FACHARIYA

State: Gujarat	District: Kachchh	River: Tributary of Local stream
Year of 1st Impoundment: 1961	MDDL: 51.800 m	FRL: 55.160 m
Year of Last Survey: 2022	Catchment Area: 5.18 Sq. km	Latitude: 23.00
Longitude: 69.56	Reservoir Area at FRL: 0.13 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1961	-		0.47	0.32	0.15	-	-	-
2	2022	St. Govt (HS)	61	0.41	0.38	0.03	0.06	0.06	12.98

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 61 years (Th.Cum/SqKm/yr)
1	1961	-		-	0.19
2	2022	61	62	0.19	

FADDANGBETI

State: Gujarat	District: Rajkot	River: Tributary of Beti
Year of 1st Impoundment: 1992	MDDL: 185.670 m	FRL: 189.250 m
Year of Last Survey: 2022	Catchment Area: 106.00 Sq. km	Latitude: 22.25
Longitude: 71.02	Reservoir Area at FRL: 2.19 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1992	-	-	5.89	5.37	0.52	-	-	-
2	2022	St. Govt (HS)	30	5.78	5.28	0.50	0.11	0.11	1.95

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 30 years (Th.Cum/SqKm/yr)
1	1992	-	31	-	0.04
2	2022	30		0.04	

FARADI

State: Gujarat	District: Kachchh	River: Tributary of Faradi
Year of 1st Impoundment: 1964	MDDL: 50.440 m	FRL: 56.080 m
Year of Last Survey: 2022	Catchment Area: 53.61 Sq. km	Latitude: 22.96
Longitude: 69.52	Reservoir Area at FRL: 1.53 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (Years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1964	-	-	6.18	5.50	0.68	-	-	-
2	2022	St. Govt (HS)	58	4.53	4.42	0.10	1.66	1.66	26.78

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 58 years (Th.Cum/SqKm/yr)
1	1964	-	59	-	0.53
2	2022	58		0.53	

FATEHGADH

State: Gujarat	District: Kutch	River: Malan
Years of 1st Impoundment: 1987	MDDL: 19.50 m	FRL: 22.70 m
Year of Last Survey: 2021	Catchment Area: 103.60 Sq.Km.	Latitude: 23.68
Longitude: 70.78	Reservoir Area at FRL: 5.92 Sq.Km.	

Survey Details

S. No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1987	-	-	7.45	6.63	0.82	-	-	-
2.	2021	St.Govt. (HS)	34	4.04	3.99	0.05	3.41	3.41	45.74

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 34 years (Th.Cum/Sqkm/yr)
1.	1987	-	36	-	0.97
2.	2021	34		0.97	

FULZAR-I

State: Gujarat	District: Jamnagar	River: Und
Year of 1st Impoundment: 1957	MDDL: NA	FRL: 24.69 m
Year of Last Survey: 1986	Catchment Area: 142.45 Sq.km	Latitude: 22.22
Longitude: 69.85	Reservoir Area at FRL: 4.37 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1957	-	-	14.90	-	-	-	-	-
2	1986	St. Govt (HS)	29	12.23	-	-	2.67	2.67	17.92

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 29 Years (Th.Cum/SqKm/yr)
1	1957	-	66	-	0.65
2	1986	29		0.65	

GAJANSAR

State: Gujarat	District: Kachchh	River: Tributary of Naira
Year of 1st Impoundment: 1967	MDDL: 26.21 m	FRL: 30.00 m
Year of Last Survey: 2022	Catchment Area: 165.70 Sq. km	Latitude: 23.58
Longitude: 69.12	Reservoir Area at FRL: 1.47 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1967	-	-	5.99	3.91	2.09	-	-	-
2	2022	St. Govt (HS)	55	3.92	3.07	0.85	2.08	2.08	34.62

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 55 years (Th.Cum/SqKm/yr)
1	1967	-	56	-	0.23
2	2022	55		0.23	

GAJOD

State: Gujarat	District: Kachchh	River: Tributary of Nagmati
Year of 1st Impoundment: 1955	MDDL: 26.21 m	FRL: 30.00 m
Year of Last Survey: 2022	Catchment Area: 167.25 Sq.km	Latitude: 22.82
Longitude: 69.63	Reservoir Area at FRL: 2.51 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1955	-		10.67	9.85	0.82	-	-	-
2	2022	St. Govt (HS)	67	7.31	7.21	0.10	3.36	3.36	31.52

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 67 years (Th.Cum/SqKm/yr)
1	1955	-	68	-	0.30
2	2022	67		0.30	

GHEE

State: Gujarat	District : Jamnagar	River: Ghee
Year of 1st Impoundment: 1953	MDDL: NA	FRL: 40.54 m
Year of Last Survey: 1986	Catchment Area: 129.49 Sq.km	Latitude: 22.18
Longitude: 69.66	Reservoir Area at FRL: 3.82 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1953	-	-	13.84	-	-	-	-	-
2	1986	St. Govt (HS)	33	12.61	-	-	1.23	1.23	8.89

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 33 Years (Th.Cum/SqKm/yr)
1	1953	-	70	-	0.29
2	1986	33		0.29	

GHELO SOMNATH

State: Gujarat	District: Rajkot	River: Tributary of Ghelo
Year of 1st Impoundment: 1964	MDDL: 127.250 m	FRL: 135.100 m
Year of Last Survey: 2022	Catchment Area: 59.57 Sq. km	Latitude: 22.06
Longitude: 71.40	Reservoir Area at FRL: 1.77 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1964	-	-	8.13	7.32	0.81	-	-	-
2	2022	St. Govt (HS)	58	4.90	4.70	0.20	3.23	3.23	39.67

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 58 years (Th.Cum/SqKm/yr)
1	1964	-	59	-	0.93
2	2022	58		0.93	

GHELO-I

State: Gujarat	District: Amreli	River: Ghelo
Year of 1st Impoundment: 1963	MDDL: 127.25 m	FRL: 166.72 m
Year of Last Survey: 1986	Catchment Area: 103.60 Sq.km	Latitude: 21.96
Longitude: 71.39	Reservoir Area at FRL: 3.54 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period years	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1963	-	-	13.35	-	-	-	-	-
2	1974	St. Govt (HS)	11	12.23	-	-	1.12	1.12	8.40
3	1986	-do-	23	10.00	-	-	2.23	3.35	25.09

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 23 Years (Th.Cum/SqKm/yr)
1	1963	-	60	-	1.41
2	1974	11		0.98	
3	1986	12		1.79	

GHODADHROI

State: Gujarat	District: Morbi	River: Tributary of Ghodadhroi
Year of 1st Impoundment: 1990	MDDL: 93.12 m	FRL: 98.300 m
Year of Last Survey: 2022	Catchment Area: 145.55 Sq. km	Latitude: 22.94
Longitude: 70.98	Reservoir Area at FRL: 1.87 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1990	-	-	8.34	6.24	2.10	-	-	-
2	2022	St. Govt (HS)	32	7.79	6.12	1.67	0.55	0.55	6.55

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 32 years (Th.Cum/SqKm/yr)
1	1990	-	33	-	0.12
2	2022	32		0.12	

GODHATAD

State: Gujarat	District: Kachchh	River: Tributary of Mitariwali
Year of 1st Impoundment: 1978	MDDL: 16.35 m	FRL: 23.00 m
Year of Last Survey: 2022	Catchment Area: 187.70 Sq.km	Latitude: 23.65
Longitude: 68.65	Reservoir Area at FRL: 2.40 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1978	-	-	13.97	12.67	1.30	-	-	-
2	1987	St. Govt (HS)	9	13.98	-	-	-0.01	-0.01	-0.07
3	2022	-do-	44	10.28	10.07	0.21	3.70	3.69	26.42

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 44 Years (Th.Cum/SqKm/yr)
1	1978	-	45	-	0.45
2	1987	9		-	
3	2022	35		0.56	

GOMA

State: Gujarat	District: Bhavnagar	River: Goma
Year of 1st Impoundment: 1972	MDDL: 120.40 m	FRL: 126.50 m
Year of Last Survey: 1986	Catchment Area: 155.40 Sq.km	Latitude: 22.24
Longitude: 71.51	Reservoir Area at FRL: 4.92 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1972	-	-	18.26	-	-	-	-	-
2	1986	St. Govt (HS)	14	15.91	-	-	2.35	2.35	12.87

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 14 Years (Th.Cum/SqKm/yr)
1	1972	-	51	-	1.08
2	1986	14		1.08	

GONDALI

State: Gujarat	District: Rajkot	River: Tributary of Gondali
Year of 1st Impoundment: 1957	MDDL: NA	FRL: 45.80 m
Year of Last Survey: 2022	Catchment Area: 67.42 Sq.km	Latitude: 22.05
Longitude: 70.88	Reservoir Area at FRL: 2.74 Sq .km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1957	-	-	11.36	10.86	0.49	-	-	-
2	1986	St. Govt (HS)	29	10.11	-	-	1.25	1.25	11.00
3	2022	-do-	65	14.09	13.55	0.54	-3.98	-2.74	-24.08

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 65 Years (Th.Cum/SqKm/yr)
1	1957	-	66	-	-
2	1986	29		-	
3	2022	36		-	

GUHAI

State: Gujarat	District: Sabarkantha	River: Guhai
Years of 1st Impoundment: 1990	MDDL: 164.75 m	FRL: 173.00 m
Year of Last Survey: 2021	Catchment Area: 422.17 Sq.Km.	Latitude: 23.70
Longitude: 73.05	Reservoir Area at FRL: 17.12 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1990	-	-	68.75	61.22	7.53	-	-	-
2.	2021	St.Govt. (HS)	31	67.60	61.49	6.11	1.15	1.15	1.68

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 31 years (Th.Cum/Sqkm/yr)
1.	1990	-	33	-	0.09
2.	2021	31		0.09	

HADAF

State: Gujarat	District: Panchmahal	River: Hadaf
Year of 1st Impoundment: 1986	MDDL: 161.50 m	FRL: 166.20 m
Year of Last Survey: 2021	Catchment Area: 507.64 Sq. km	Latitude: 22.90
Longitude: 73.90	Reservoir Area at FRL: 7.48 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1986	-	-	32.26	25.02	7.24	-	-	-
2	2000	St. Govt (HS)	14	22.29	15.74	6.55	9.97	9.97	30.91
3	2009	-do-	23	22.09	17.27	4.82	0.20	10.17	31.54
4	2021	-do-	35	27.43	21.19	6.24	-5.34	4.83	14.97

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 35 Years (Th.Cum/SqKm/yr)
1	1986	-	37	-	0.27
2	2000	14		1.40	
3	2009	9		0.04	
4	2021	12		-	

HARNAV

State: Gujarat	District: Sabarkantha	River: Harnav
Years of 1st Impoundment: 1990	MDDL: NA	FRL: 332.00 m
Year of Last Survey: 2021	Catchment Area: 116.00 Sq. km	Latitude: 23.98
Longitude: 73.30	Reservoir Area at FRL: 2.69 Sq. km	

Survey Details

S. No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1990	-	-	21.67	19.97	1.70	-	-	-
2.	2021	St.Govt (HS)	31	20.66	19.30	1.35	1.01	1.01	4.68

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 31 years (Th.Cum/Sqkm/yr)
1.	1990	-	33	-	0.28
2.	2021	31		0.28	

HATHMATI

State: Gujarat	District: Sabarkantha	River: Hathmati
Year of 1st Impoundment: 1971	MDDL: 170.69 m	FRL: 180.74 m
Year of Last Survey: 2020	Catchment Area: 595.00 Sq. km	Latitude: 23.70
Longitude: 73.19	Reservoir Area at FRL: 37.15 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1971	-	-	161.31	152.97	8.34	-	-	-
2	1987	St. Govt (HS)	16	151.28	-	-	10.03	10.03	6.22
3	2009	CWC (RS)	22	-	142.36	-	-	-	-
4	2020	St. Govt (HS)	49	148.75	146.32	2.43	2.53	12.56	7.78

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 49 Years (Th.Cum/SqKm/yr)
1	1971	-	52	-	0.43
2	1987	16		1.05	
3	2009	22		-	
4	2020	11		0.13	

HIRAN-I

State: Gujarat	District: Junagarh	River: Hiran
Year of 1st Impoundment: 1966	MDDL: 31.24 m	FRL: 38.58 m
Year of Last Survey: 1987	Catchment Area: 80.91 Sq.km	Latitude: 21.09
Longitude: 70.55	Reservoir Area at FRL: 3.35 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1966	-	-	21.65	-	-	-	-	-
2	1987	St. Govt (HS)	21	20.22	-	-	1.43	1.43	6.61

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 21 Years (Th.Cum/SqKm/yr)
1	1966	-	57	-	0.84
2	1987	21		0.84	

HIRAN-II

State: Gujarat	District: Junagarh	River: Hiran
Year of 1st Impoundment: 1981	MDDL: 63.03 m	FRL: 71.27 m
Year of Last Survey: 1998	Catchment Area: 168.00 Sq.km	Latitude: 21.04
Longitude: 70.48	Reservoir Area at FRL: 8.00 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1981	-	-	38.58	35.02	3.56	-	-	-
2	1998	St. Govt (HS)	17	35.15	33.90	1.25	3.43	3.43	8.89

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 17 Years (Th.Cum/SqKm/yr)
1	1981	-	42	-	1.20
2	1998	17		1.20	

ISHWARIYA

State: Gujarat	District: Rajkot	River: Tributary of Saran
Year of 1st Impoundment: 1983	MDDL: 151.500 m	FRL: 157.300 m
Year of Last Survey: 2022	Catchment Area: 54.80 Sq. km	Latitude: 22.35
Longitude: 70.76	Reservoir Area at FRL: 1.51 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1983	-	-	5.25	4.85	0.40	-	-	-
2	2022	St. Govt (HS)	39	4.71	4.53	0.18	0.54	0.54	10.32

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th. Cum/SqKm/yr)	Average Rate of Sedimentation for 39 years (Th. Cum/SqKm/yr)
1	1983	-	40	-	0.25
2	2022	39		0.25	

JAMARA MIS

State: Gujarat	District: Kachchh	River: Tributary of Local
Year of 1st Impoundment : 1950	MDDL: 27.75 m	FRL: 32.62 m
Year of Last Survey: 2022	Catchment Area: 7.25 Sq. km	Latitude: 23.13
Longitude: 69.54	Reservoir Area at FRL: 0.53 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	%Cumulative
1	1950	-	-	1.10	1.10	0.00	-	-	-
2	2022	St. Govt (HS)	72	1.05	1.01	0.04	0.05	0.05	4.46

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 72years (Th.Cum/SqKm/yr)
1	1950	-	73	-	-
2	2022	72		0.09	0.09

JANGADIYA

State: Gujarat	District: Kachchh	River: Tributary of Khari
Year of 1st Impoundment: 1985	MDDL: 34.70 m	FRL: 38.60 m
Year of Last Survey: 2022	Catchment Area: 147.63 Sq. km	Latitude: 23.46
Longitude: 68.88	Reservoir Area at FRL: 2.55 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1985	-	-	9.05	6.85	2.20	-	-	-
2	2022	St. Govt (HS)	37	7.08	6.22	0.87	1.96	1.96	21.71

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th. Cum/SqKm/yr)	Average Rate of Sedimentation For 37 years (Th.Cum/SqKm/yr)
1	1985	-	38	-	0.36
2	2022	37		0.36	

JHUJ

State: Gujarat	District: Dang	River: Ambika (Tributary of Kaveri)
Years of 1 Impoundment: 1990	MDDL: 147.00 m	FRL: 167.50 m
Year of Last Survey: 2020	Catchment Area: 42.99 Sq.Km.	Latitude: 20.71
Longitude: 73.39	Reservoir Area at FRL: 3.56 Sq.Km.	

Survey Details

S. No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1990	-	-	28.65	27.58	1.07	-	-	-
2.	2020	St.Govt (HS)	30	24.84	24.56	0.28	3.81	3.81	13.28

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 30 years (Th.Cum/Sqkm/yr)
1.	1990	-	33	-	2.95
2.	2020	30		2.95	

JINKADI-2

State: Gujarat	District: Kachchh	River: Tributary of local
Year of 1st Impoundment: 1953	MDDL: 85.800 m	FRL: 90.220 m
Year of Last Survey: 2022	Catchment Area: 2.59 Sq. km	Latitude: 23.34
Longitude: 69.80	Reservoir Area at FRL: 0.12 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1953	-	-	0.39	0.39	0.00	-	-	-
2	2022	St. Govt (HS)	69	0.21	0.21	0.00	0.18	0.18	46.67

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 69 years (Th.Cum/SqKm/yr)
1	1953	-	70	-	1.02
2	2022	69		1.02	

KABIR SAROVAR

State: Gujarat	District: Rajkot	River: Tributary of Chhparwadi
Year of 1st Impoundment: 1975	MDDL: 28.04 m	FRL: 32.45 m
Year of Last Survey: 2022	Catchment Area: 90.66 Sq. km	Latitude: 22.04
Longitude: 70.70	Reservoir Area at FRL: 2.25 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1975	-	-	6.49	6.21	0.28	-	-	-
2	2022	St. Govt (HS)	47	6.48	5.77	0.71	0.01	0.01	0.17

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 47years (Th.Cum/SqKm/yr)
1	1975	-	48	-	0.003
2	2022	47		0.003	

KADANA

State: Gujarat	District: Dungarpur	River: Mahi
Year of 1st Impoundment: 1977	MDDL: 114.00 m	FRL: 127.70 m
Year of Last Survey: 2005	Catchment Area: 25486.00 Sq. km	Latitude: 23.29
Longitude: 73.84	Reservoir Area at FRL: 166.00 Sq. km	

Survey Details

S. No.	Year of Survey	Source of Data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	%Cumulative
1	1977	-	-	1543	1203	340	-	-	-
2	1980	St. Govt. (HS)	3	1493	1173	320	50	50	3.24
3	1983	-do-	6	1473	1098	375	20	70	4.54
4	1996	CWC (RS)	19	-	1078.52	-	-	-	-
5	2000	St. Govt. (HS)	23	1249.26	954.68	294.58	223.74	293.74	19.04
6	2005	CWC (RS)	28	-	1153.55	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th. Cum/SqKm/yr)	Average Rate of Sedimentation For 23 Years (Th. Cum/SqKm/yr)
1	1977	-	46	-	0.50
2	1980	3		0.65	
3	1983	3		0.26	
4	1996	13		-	
5	2000	4		0.52	
6	2005	5		-	-

KAILA

State: Gujarat	District: Kachch	River: Kaila
Year of 1st Impoundment: 1955	MDDL: 65.24 m	FRL: 79.25 m
Year of Last Survey: 2022	Catchment Area: 178.00 Sq.km	Latitude: 23.63
Longitude: 69.78	Reservoir Area at FRL: 2.32 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1955	-	-	13.98	12.08	1.9	-	-	-
2	1987	St. Govt (HS)	32	8.86	-	-	5.12	5.12	36.62
3	2022	-do-	67	8.54	8.54	0	0.32	5.44	38.89

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 67 Years (Th.Cum/SqKm/yr)
1	1955	-	68	-	0.46
2	1987	32		0.90	
3	2022	35		0.05	

KAKDIAMBA

State: Gujarat	District: Narmada	River: Wagti
Years of 1st Impoundment: 1985	MDDL: 177.21 m	FRL: 186.71 m
Year of Last Survey: 2020	Catchment Area: 24.22 Sq.Km.	Latitude : 21.52
Longitude : 73.73	Reservoir Area at FRL: 1.36 Sq.Km.	

Survey Details

S. No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1985	-	-	7.87	7.22	0.65	-	-	-
2.	2020	St.Govt (HS)	35	5.95	5.93	0.02	1.92	1.92	24.42

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 35 years (Th.Cum/Sqkm/yr)
1.	1985	-	38	-	2.27
2.	2020	35		2.27	

KALAGHOGHA

State: Gujarat	District: Kachchh	River: Tributary of Phot
Year of 1st Impoundment: 1987	MDDL: 31.50 m	FRL: 37.00 m
Year of Last Survey: 2022	Catchment Area: 170.94 Sq. km	Latitude: 22.93
Longitude: 69.68	Reservoir Area at FRL: 1.17 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	%Cumulative
1	1987	-		4.96	4.24	0.72	-	-	-
2	2022	St. Govt (HS)	35	3.23	3.17	0.07	1.73	1.73	34.89

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 35 years (Th.Cum/SqKm/yr)
1	1987	-	36	-	0.29
2	2022	35		0.29	

KANAZARA

State: Gujarat	District: Kachchh	River: Tributary of Local Stream
Year of 1st Impoundment: 1964	MDDL: 69.82 m	FRL: 74.70 m
Year of Last Survey: 2022	Catchment Area: 46.62 Sq. km	Latitude: 23.01
Longitude: 69.68	Reservoir Area at FRL: 1.10 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1964	-	-	2.94	2.05	0.89	-	-	-
2	2022	St. Govt (HS)	58	2.00	1.88	0.11	0.94	0.94	32.07

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 58 years (Th.Cum/SqKm/yr)
1	1964	-	59	-	0.35
2	2022	58		0.35	

KANKAVATI

State: Gujarat	District: Kachchh	River: Tributary of Kankavati
Year of 1st Impoundment: 1956	MDDL: 123.75 m	FRL: 131.67 m
Year of Last Survey: 2022	Catchment Area: 207.50 Sq.km	Latitude: 22.52
Longitude: 70.31	Reservoir Area at FRL: 3.54 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1956	-	-	10.51	9.83	0.68	-	-	-
2	1987	St. Govt (HS)	31	10.53	-	-	-0.02	-0.02	-0.19
3	2022	-do-	66	9.96	9.81	0.15	0.57	0.55	5.27

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 66 Years (Th.Cum/SqKm/yr)
1	1956	-	67	-	0.04
2	1987	31		-	
3	2022	35		0.08	

KARJAN

State: Gujarat	District : Vadodara	River: Karjan
Year of 1st Impoundment: 1984	MDDL: 78.00 m	FRL: 115.25 m
Year of Last Survey: 2021	Catchment Area: 1403.78 Sq.km	Latitude: 21.81
Longitude: 73.55	Reservoir Area at FRL: 31.73 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1984	-	-	630.00	581.00	49.00	-	-	-
2	1991	St. Govt (HS)	7	622.05	599.06	22.99	7.95	7.95	1.26
3	1992	-do-	8	625.56	589.08	36.48	-3.51	4.44	0.70
4	1993	-do-	9	615.26	577.42	37.84	10.3	14.74	2.34
5	1998	-do-	14	580.21	531.25	48.96	35.05	49.79	7.90
6	2005	-do-	21	545.39	522.76	22.63	34.82	84.61	13.43
7	2013	-do-	29	538.75	514.65	24.10	6.64	91.25	14.48
8	2021	-do-	37	581.40	554.53	26.87	-42.65	48.60	7.71

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 37 Years (Th.Cum/SqKm/yr)
1	1987	-	39	-	0.94
2	1991	4		0.81	
3	1992	1		-	
4	1993	1		7.34	
5	1998	5		4.99	
6	2005	7		0.35	
7	2013	8		0.59	
8	2021	8		-	

KARMAL

State: Gujarat	District: Rajkot	River: Tributary of Karmal
Year of 1st Impoundment: 1984	MDDL: 165.00 m	FRL: 169.00 m
Year of Last Survey: 2022	Catchment Area: 167.57 Sq. km	Latitude: 22.04
Longitude: 71.00	Reservoir Area at FRL: 4.32 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1984	-	-	12.70	10.30	2.40	-	-	-
2	2022	St. Govt (HS)	38	12.48	10.03	2.44	0.22	0.22	1.76

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 38 years (Th.Cum/SqKm/yr)
1	1984	-	39	-	0.04
2	2022	38		0.04	

KARNUKI

State: Gujarat	District: Rajkot	River: Tributary of Karnuki
Year of 1st Impoundment: 2004	MDDL: 159.00 m	FRL: 164.50 m
Year of Last Survey: 2022	Catchment Area: 103.60 Sq. km	Latitude: 21.94
Longitude: 71.11	Reservoir Area at FRL: 3.45 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2004	-	-	8.54	8.31	0.23	-	-	-
2	2022	St. Govt (HS)	18	8.47	8.29	0.19	0.07	0.07	0.83

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 18 years (Th.Cum/SqKm/yr)
1	2004	-	19	-	0.04
2	2022	18		0.04	

KASWATI

State: Gujarat	District: Kachchh	River: Tributary of Kaswati
Year of 1st Impoundment: 1987	MDDL: 43.89 m	FRL: 51.20 m
Year of Last Survey: 2022	Catchment Area: 66.56 Sq. km	Latitude: 23.38
Longitude: 69.91	Reservoir Area at FRL: 1.97 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1987	-	-	8.20	7.96	0.24	-	-	-
2	2022	St. Govt (HS)	35	7.26	7.12	0.14	0.94	0.94	11.51

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 35 years (Th.Cum/SqKm/yr)
1	1987	-	36	-	0.41
2	2022	35		0.41	

KELIYA

State: Gujarat	District: Navasari	River: Kharera Tributary of River Kaveri
Years of 1 Impoundment: 1984	MDDL: 98.10 m	FRL : 113.40 m
Year of Last Survey: 2020	Catchment Area: 27.58 Sq.Km.	Latitude : 20.70
Longitude: 73.29	Reservoir Area at FRL: 2.19 Sq.Km.	

Survey Details

S. No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1984	-	-	18.10	17.36	0.74	-	-	-
2.	2013	St.Govt (RS)	29	-	14.44	-	-	-	-
3.	2020	St.Govt (HS)	36	15.66	15.56	0.11	2.44	2.44	13.46

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 36 years (Th.Cum/Sqkm/yr)
1.	1984	-	39	-	2.45
2.	2013	29		-	
3.	2020	7		2.45	

KHEDO I

State: Gujarat	District: Kachchh	River: Tributary of Local
Year of 1st Impoundment: 2003	MDDL: 96.00 m	FRL: 102.70 m
Year of Last Survey: 2022	Catchment Area: 56.46 Sq. km	Latitude: 23.06
Longitude: 69.91	Reservoir Area at FRL: 0.81 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2003	-	-	2.75	2.65	0.10	-	-	-
2	2022	St. Govt (HS)	19	2.65	2.59	0.06	0.10	0.10	3.56

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 19 years (Th.Cum/SqKm/yr)
1	2003	-	20	-	0.09
2	2022	19		0.09	

KHENGAR SAGAR

State: Gujarat	District: Kachchh	River: Tributary of Bhukhi
Year of 1st Impoundment: 1944	MDDL: 84.58 m	FRL: 91.46 m
Year of Last Survey: 2022	Catchment Area: 151.51 Sq. km	Latitude: 23.02
Longitude: 69.72	Reservoir Area at FRL: 2.52 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gorss Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1944	-	-	9.60	8.41	1.19	-	-	-
2	2022	St. Govt (HS)	78	7.04	6.90	0.13	2.57	2.57	26.72

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 78 years (Th.Cum/SqKm/yr)
1	1944	-	79	-	0.22
2	2022	78		0.22	

KHODAPIPAR

State: Gujarat	District: Rajkot	River: Tributary of Ghogham
Year of 1st Impoundment: 1996	MDDL: 52.87 m	FRL: 55.27 m
Year of Last Survey: 2022	Catchment Area: 53.07 Sq. km	Latitude: 22.55
Longitude: 70.61	Reservoir Area at FRL: 1.58 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1996	-	-	2.99	2.33	0.66	-	-	-
2	2022	St. Govt (HS)	26	2.98	2.42	0.56	0.01	0.01	0.33

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 26 years (Th.Cum/SqKm/yr)
1	1996	-	27	-	0.01
2	2022	26		0.01	

KHODIYAR

State: Gujarat	District : Amreli	River: Shetrunji
Year of 1st Impoundment: 1962	MDDL: 179.83 Sq.km	FRL: 202.69 m
Year of Last Survey: 2021	Catchment Area: 383.00 Sq.km	Latitude: 21.36
Longitude: 71.05	Reservoir Area at FRL: 6.16 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1962	-	-	40.36	40.36	0.00	-	-	-
2	1974	St. Govt (HS)	12	32.21	-	-	8.15	8.15	20.19
3	1987	-do-	25	29.94	29.94	0	2.27	10.42	25.80
4	2001	-do-	39	33.44	33.44	0	-3.50	6.92	17.13
5	2002	-do-	40	33.98	33.98	0	-0.54	6.38	15.79
6	2021	-do-	59	30.81	30.81	0	3.17	9.55	23.65

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 59 Years (Th.Cum/SqKm/yr)
1	1962	-	61	-	0.42
2	1974	12		3.04	
3	1987	13		0.46	
4	2001	14		-	
5	2002	1		-	
6	2021	19		0.44	

LAKHIGAM

State: Gujarat	District: Surat	River: Dhakani Khadi
Year of 1st Impoundment: 1982	MDDL: 67.10 m	FRL: 74.10 m
Year of Last Survey: 2021	Catchment Area: 13.34 Sq. km	Latitude: 21.33
Longitude: 73.35	Reservoir Area at FRL: 1.49 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1982	-	-	4.90	4.61	0.29	-	-	-
2	2021	St. Govt (HS)	39	4.26	4.06	0.20	0.64	0.64	12.97

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 39 years (Th.Cum/SqKm/yr)
1	1982	-	41	-	1.22
2	2021	39		1.22	

LALPARI

State: Gujarat	District: Rajkot	River: Tributary of Lalpari
Year of 1st Impoundment: 1988	MDDL: 132.890 m	FRL: 137.460 m
Year of Last Survey: 2022	Catchment Area: 82.88 Sq. km	Latitude: 22.31
Longitude: 70.84	Reservoir Area at FRL : 2.14 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gorss Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	%Cumulative
1	1988	-	-	5.11	5.11	0	-	-	-
2	2022	St. Govt (HS)	34	5.43	5.21	0.22	-0.31	-0.31	-6.12

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 34 years (Th.Cum/SqKm/yr)
1	1988	-	35	-	-
2	2022	34		-	

LER

State: Gujarat	District: Kachchh	River: Tributary of Pat
Year of 1st Impoundment: 1939	MDDL: 26.820 m	FRL: 35.030 m
Year of Last Survey: 2022	Catchment Area: 14.50 Sq. km	Latitude: 23.19
Longitude: 69.76	Reservoir Area at FRL: 0.48 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1939	-	-	2.21	1.63	0.58	-	-	-
2	2022	St. Govt (HS)	83	0.95	0.95	0	1.27	1.27	57.24

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 83 years (Th.Cum/SqKm/yr)
1	1939	-	84	-	1.05
2	2022	83		1.05	

LIMDI BHOGAVO

State: Gujarat	District: Surendra Nagar	River: Limdi Bhogavo
Year of 1st Impoundment: 1960	MDDL: N.A	FRL: 46.02 m
Year of Last Survey: 1986	Catchment Area: 331.50 Sq. km	Latitude: 22.47
Longitude: 71.46	Reservoir Area at FRL: 9.19 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1960	-	-	30.15	-	-	-	-	-
2	1974	St. Govt (HS)	14	24.49	-	-	5.66	5.66	18.77
3	1986	-do-	26	22.49	-	-	2	7.66	25.41

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 26 Years (Th.Cum/SqKm/yr)
1	1960	-	63	-	0.89
2	1974	14		1.22	
3	1986	12		0.50	

LORIYA

State: Gujarat	District: Kachchh	River: Tributory of Local stream
Year of 1st Impoundment: 1970	MDDL: 93.80 m	FRL: 98.90 m
Year of Last Survey: 2022	Catchment Area: 9.60 Sq. km	Latitude: 23.41
Longitude: 69.65	Reservoir Area at FRL: 0.15 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1970	-	-	0.57	0.46	0.11	-	-	-
2	2022	St. Govt (HS)	52	0.30	0.30	0	0.27	0.27	47.89

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 52 years (Th.Cum/SqKm/yr)
1	1970	-	53	-	0.54
2	2022	52		0.54	

LUDAWA

State: Gujarat	District: Kachchh	River: Tributory of Local stream
Year of 1st Impoundment: 1984	MDDL: 97.800 m	FRL: 99.300 m
Year of Last Survey: 2022	Catchment Area: 12.43 Sq. km	Latitude: 23.13
Longitude: 69.40	Reservoir Area at FRL: 0.52 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1984	-	-	0.84	0.75	0.09	-	-	-
2	2022	St. Govt (HS)	38	1.14	0.60	0.54	-0.30	-0.30	-35.36

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 38 years (Th.Cum/SqKm/yr)
1	1970	-	39	-	-
2	2022	38		-	

MACHHANNALA

State: Gujarat	District: Dahod	River: Machhan
Year of 1st Impoundment: 1982	MDDL: 271.31 m	FRL: 277.64 m
Year of Last Survey: 2021	Catchment Area: 244.91 Sq. km	Latitude: 23.05
Longitude: 74.17	Reservoir Area at FRL : 7.96 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1982	-	-	37.91	29.16	8.75	-	-	-
2	1999	St. Govt. (HS)	17	27.12	21.2	5.92	10.79	10.79	28.46
3	2021	-do-	39	33.11	27.09	6.02	-5.99	4.80	12.66

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 39 Years (Th.Cum/SqKm/yr)
1	1982	-	41	-	0.50
2	1999	17		2.59	
3	2021	22		-	

MACHHU-I

State: Gujarat	District: Rajkot	River: Machhu
Year of 1st Impoundment: 1959	MDDL: 114.30 m	FRL: 135.33 m
Year of Last Survey: 1994	Catchment Area: 730.00 Sq.km	Latitude: 22.47
Longitude: 70.97	Reservoir Area at FRL: 19.91 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1959	-	-	83.13	81.42	1.71	-	-	-
2	1989	St. Govt (HS)	30	75.79	75.79	0	7.34	7.34	8.83
3	1994	-do-	36	75.09	75.09	0	0.70	8.04	9.67
4	2021	-do-	62	81.78	81.78	0	-6.69	1.35	1.63

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 62 Years (Th.Cum/SqKm/yr)
1	1959	-	64	-	0.03
2	1989	30		0.32	
3	1994	5		0.19	
4	2021	27		-	

MACHHU-II

State: Gujarat	District : Rajkot	River: Machhu
Year of 1st Impoundment: 1972	MDDL: 47.24 m	FRL: 57.30 m
Year of Last Survey: 2021	Catchment Area: 1193.47 Sq.km	Latitude: 22.76
Longitude: 70.87	Reservoir Area at FRL: 19.35 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1972	-	-	100.75	90.99	9.76	-	-	-
2	1997	St. Govt (HS)	25	60.70	58.46	2.24	40.05	40.05	39.75
3	2004	-do-	32	87.91	82.10	3.80	-27.21	12.84	12.74
4	2021	-do-	49	92.01	88.86	3.15	-4.10	8.74	8.67

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 49 Years (Th.Cum/SqKm/yr)
1	1972	-	51		0.15
2	1997	25		1.34	
3	2004	07		-	
4	2021	17		-	

MACHHU-III

State: Gujarat	District: Morbi	River: Tributary of Machhu
Year of 1st Impoundment: 2015	MDDL: 22.350 m	FRL: 28.700 m
Year of Last Survey: 2022	Catchment Area: 2088.05 Sq. km	Latitude: 22.87
Longitude: 70.81	Reservoir Area at FRL: 1.77 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2015	-	-	7.99	6.46	1.53	-	-	-
2	2022	St. Govt (HS)	7	7.96	6.45	1.51	0.03	0.03	0.35

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th. Cum/SqKm/yr)	Average Rate of Sedimentation For 7 years (Th. Cum/SqKm/yr)
1	2015	-	8	-	0.002
2	2022	7		0.002	

MADHUVANTI

State: Gujarat	District : Junagarh	River: Madhuvanti
Year of 1st Impoundment: 1973	MDDL: NA	FRL: 165.19 m
Year of Last Survey: 1986	Catchment Area: 45.32 Sq.km	Latitude: 21.26
Longitude: 70.49	Reservoir Area at FRL: 2.27 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1973	-	-	12.14	-	-	-	-	-
2	1986	St. Govt (HS)	13	11.65	-	-	0.49	0.49	4.04

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 13 Years (Th.Cum/SqKm/yr)
1	1973	-	50	-	0.83
2	1986	13		0.83	

MALGADH

State: Gujarat	District: Rajkot	River: Tributary of Ghelo
Year of 1st Impoundment: 1985	MDDL: 153.67 m	FRL: 159.37 m
Year of Last Survey: 2022	Catchment Area: 32.24 Sq. km	Latitude: 22.02
Longitude: 71.42	Reservoir Area at FRL : 0.92 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1985	-	-	2.65	2.54	0.11	-	-	-
2	2022	St. Govt (HS)	37	2.40	2.35	0.05	0.25	0.25	9.45

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 37 years (Th.Cum/SqKm/yr)
1	1985	-	38	-	0.21
2	2022	37		0.21	

MAMUARA

State: Gujarat	District: Kachchh	River: Tributary of Local stream
Year of 1st Impoundment: 1943	MDDL: 55.470 m	FRL: 59.430 m
Year of Last Survey: 2022	Catchment Area: 7.68 Sq. km	Latitude: 23.28
Longitude: 69.87	Reservoir Area at FRL: 0.16 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1943	-	-	0.74	0.70	0.04	-	-	-
2	2022	St. Govt (HS)	79	0.37	0.35	0.02	0.37	0.37	50.34

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 79 years (Th.Cum/SqKm/yr)
1	1943	-	80	-	0.61
2	2022	79		0.61	

MATHAL

State: Gujarat	District: Kachchh	River: Tributary of Dhadodh
Year of 1st Impoundment: 1985	MDDL: 73.40 m	FRL: 83.18 m
Year of Last Survey: 2022	Catchment Area: 114.00 Sq. km	Latitude: 23.43
Longitude: 69.17	Reservoir Area at FRL: 3.16 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1985	-	-	12.29	11.19	1.10	-	-	-
2	2022	St. Govt (HS)	37	10.86	10.48	0.38	1.43	1.43	11.64

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 37 years (Th.Cum/SqKm/yr)
1	1985	-	38	-	0.34
2	2022	37		0.34	

MAZAM

State: Gujarat	District: Sabarkantha	River: Mazam
Year of 1st Impoundment: 1984	MDDL: 150.77 m	FRL: 157.1 m
Year of Last Survey: 2021	Catchment Area: 407.80 Sq. km	Latitude: 23.48
Longitude: 73.35	Reservoir Area at FRL: 13.10 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1984	-	-	43.86	36.58	7.28	-	-	-
2	1998	St. Govt. (HS)	14	44.08	37.33	6.75	-0.22	-0.22	-0.50
3	2021	-do-	37	39.74	34.70	5.04	4.34	4.12	9.39

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 37 Years (Th.Cum/SqKm/yr)
1	1984	-	39	-	0.27
2	1998	14		-	
3	2021	23		0.46	

MESHWO

State: Gujarat	District: Banaskantha	River: Meshwo
Year of 1st Impoundment: 1968	MDDL: 156.76 m	FRL: 163.07 m
Year of Last Survey: 2021	Catchment Area: 259.00 Sq. km	Latitude: 23.68
Longitude: 73.39	Reservoir Area at FRL: 11.16 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1968	-	-	82.12	77.25	4.87	-	-	-
2	1997	St. Govt. (HS)	29	53.13	53.07	0.06	28.99	28.99	35.30
3	2021	-do-	53	72.37	72.19	0.18	-19.24	9.75	11.88

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 53 years (Th.Cum/SqKm/yr)
1	1968	-	55	-	0.71
2	1997	29		3.86	
3	2021	24		-	

MITTI

State : Gujarat	District: NA	River: Mitti
Years of 1st Impoundment: 1983	MDDL: NA	FRL : NA
Year of Last Survey: 2021	Catchment Area: 260.30 Sq.Km.	Latitude : 23.33
Longitude : 68.83	Reservoir Area at FRL: 6.07 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1983	-	-	20.24	16.28	3.96	-	-	-
2.	2021	St.Govt (HS)	38	16.01	14.27	1.73	4.23	4.23	20.92

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 38 years (Th.Cum/Sqkm/yr)
1.	1983	-	40	-	0.43
2.	2021	38		0.43	

MOJ

State: Gujarat	District : Rajkot	River: Moj
Year of 1st Impoundment: 1995	MDDL: 59.13 m	FRL: 72.54 m
Year of Last Survey: 2022	Catchment Area: 440.30 Sq. Km	Latitude: 21.85
Longitude: 70.29	Reservoir Area at FRL: 9.28 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1995	-	-	36.69	36.69	0	-	-	-
2	2022	St.Govt. (HS)	27	36.44	36.44	0	0.25	0.25	0.70

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 27 Years (Th.Cum/SqKm/yr)
1	1986	-	28	-	0.02
2	2022	27		0.02	

MOTISAR

State: Gujarat	District: Rajkot	River: Tributary of Motisar
Year of 1st Impoundment: 1992	MDDL: 138.50 m	FRL: 143.00 m
Year of Last Survey: 2022	Catchment Area: 34.32 Sq. km	Latitude: 22.07
Longitude: 70.67	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1992	-	-	2.58	2.34	0.25			
2	2022	St. Govt (HS)	30	2.53	2.41	0.12	0.05	0.05	2.09

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 30 years (Th.Cum/SqKm/yr)
1	1992	-	31	-	0.05
2	2022	30		0.05	

MUKTESHWAR

State: Gujarat	District: Banaskantha	River: Saraswati
Year of 1st Impoundment: 1990	MDDL: 193.67 m	FRL: 201.65 m
Year of Last Survey: 2021	Catchment Area: 305.62 Sq.km	Latitude: 24.05
Longitude: 72.64	Reservoir Area at FRL: 5.81 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1990	-	-	41.00	32.81	8.19	-	-	-
2	1994	St. Govt (HS)	4	37.8	28.98	8.82	3.2	3.2	7.80
3	1998	-do-	8	31.57	25.77	5.8	6.23	9.43	23.00
4	2007	-do-	17	31.46	26.30	5.16	0.11	9.54	23.27
5	2021	-do-	31	31.18	26.28	4.90	0.28	9.82	23.94

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 31 Years (Th.Cum/SqKm/yr)
1	1990	-	33	-	1.04
2	1994	4		2.61	
3	1998	4		5.09	
4	2007	9		0.04	
5	2021	14		0.07	

NARA

State: Gujarat	District: Kachchh	River: Nara
Year of 1st Impoundment: 1986	MDDL: NA	FRL: 27.43 m
Year of Last Survey: 2021	Catchment Area: 233.01 Sq.km	Latitude: 23.62
Longitude: 69.11	Reservoir Area at FRL: 9.3 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1986	-	-	39.70	38.21	1.49	1.36	1.36	3.31
2	2021	St. Govt (HS)	35	44.24	42.71	1.53	-4.54	-4.54	-11.42

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 46 Years (Th.Cum/SqKm/yr)
1	1986	-	37	-	-
3	2021	35		-	

NARANPAR

State: Gujarat	District: Kachchh	River: Tributary of Nag river
Year of 1st Impoundment: 1950	MDDL: 22.860 m	FRL: 30.870 m
Year of Last Survey: 2022	Catchment Area: 12.17 Sq. km	Latitude: 23.14
Longitude: 69.60	Reservoir Area at FRL: 0.35 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1950	-		0.90	0.54	0.36	-	-	-
2	2022	St. Govt (HS)	72	2.63	2.63	0.00	-1.73	-1.73	-192.33

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 72 years (Th.Cum/SqKm/yr)
1	1950	-	73	-	-
2	2022	72		-	

NIRONA

State: Gujarat	District: Kachchh	River: Tributary of Bharud river
Year of 1st Impoundment: 1958	MDDL: 34.44 m	FRL: 43.58 m
Year of Last Survey: 2022	Catchment Area: 388.35 Sq. km	Latitude: 23.44
Longitude: 69.49	Reservoir Area at FRL: 3.80 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1958	-	-	27.17	22.98	4.19	-	-	-
2	2022	St. Govt (HS)	64	24.11	21.01	3.10	3.06	3.06	11.25

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 64 years (Th.Cum/SqKm/yr)
1	1958	-	65	-	0.12
2	2022	64		0.12	

NYARI-I

State: Gujarat	District: Rajkot	River: Tributary of Nyari & Vagudadi river
Year of 1st Impoundment: 1975	MDDL: 96.850 m	FRL: 103.500 m
Year of Last Survey: 2022	Catchment Area: 158.00 Sq. km	Latitude: 22.24
Longitude: 70.71	Reservoir Area at FRL: 8.92 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1975	-	-	27.00	25.26	1.74	-	-	-
2	2022	St. Govt (HS)	47	30.91	30.49	0.42	-3.91	-3.91	-14.47

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 47 years (Th.Cum/SqKm/yr)
1	1975	-	48	-	-
2	2022	47		-	

NYARI-II

State: Gujarat	District: Rajkot	River: Tributary of Nyari river
Year of 1st Impoundment: 1986	MDDL: 82.200 m	FRL: 88.500 m
Year of Last Survey: 2022	Catchment Area: 314.00 Sq. km	Latitude: 22.36
Longitude: 70.68	Reservoir Area at FRL: 4.04 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1986	-	-	13.00	11.70	1.30	-	-	-
2	2022	St. Govt (HS)	36	11.82	11.45	0.36	1.19	1.19	9.12

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 36 years (Th.Cum/SqKm/yr)
1	1986	-	37	-	0.10
2	2022	36		0.10	

PADDHAR

State: Gujarat	District: Kachchh	River: Tributary of local stream
Year of 1st Impoundment: 1959	MDDL: 84.450 m	FRL: 88.410 m
Year of Last Survey: 2022	Catchment Area: 4.91 Sq. km	Latitude: 23.25
Longitude: 69.83	Reservoir Area at FRL: 0.29 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1959	-		0.38	0.34	0.04	-	-	-
2	2022	St. Govt (HS)	63	0.52	0.52	0.01	-0.14	-0.14	-37.37

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 63 years (Th.Cum/SqKm/yr)
1	1959	-	64	-	-
2	2022	63		-	

PANAM

State: Gujarat	District: Panchmahal	River: Panam/Mahi
Year of 1st Impoundment: 1977	MDDL: 108.20 m	FRL: 127.44 m
Year of Last Survey: 2021	Catchment Area: 2314.00 Sq. km	Latitude: 23.05
Longitude: 73.72	Reservoir Area at FRL: 89.80 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1977	-		735.80	679.20	56.60	-	-	-
2	1984	St.Govt (HS)	7	697.55	624.85	72.7	38.25	38.25	5.20
3	1990	-do-	13	720.19	671.95	48.24	-22.64	15.61	2.12
4	2003	CWC (RS)	26	-	660.99	-	-	-	-
5	2004	St.Govt (HS)	27	544.95	511.11	33.84	175.24	190.85	25.94
6	2012	-do-	35	580.38	555.16	25.22	-35.43	155.42	21
7	2021	-do-	44	660.80	623.35	37.45	-80.42	75.00	10.19

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 44 Years (Th.Cum/SqKm/yr)
1	1977	-	46	-	0.74
2	1984	7		2.36	
3	1990	6		-	
4	2003	13			
5	2004	1		0.54	
6	2012	8		-	
7	2021	9		-	

PATADUNGRI

State: Gujarat	District: Dohad	River: Khan
Year of 1st Impoundment: 1954	MDDL: 160.02 m	FRL: 170.84 m
Year of Last Survey: 2021	Catchment Area: 249.00 Sq. km	Latitude: 22.73
Longitude: 74.28	Reservoir Area at FRL: 10.13 Sq. Km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1954	-	-	41.06	39.64	1.42	-	-	-
2	1982	St. Govt. (HS)	28	39.04	-	-	2.02	2.02	4.92
3	2021	-do-	67	33.03	32.85	0.18	6.01	8.03	19.55

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 67 Years (Th.Cum/SqKm/yr)
1	1954	-	69	-	0.48
2	1982	28		0.29	
3	2021	39		0.62	

PHOPHAL-I

State: Gujarat	District: Rajkot	River: Tributary of Phophal
Year of 1st Impoundment: 1974	MDDL: 73.980 m	FRL: 81.760 m
Year of Last Survey: 2022	Catchment Area: 525.77 Sq. km	Latitude: 21.58
Longitude: 70.52	Reservoir Area at FRL: 13.50 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1974	-	-	59.61	51.68	7.93	-	-	-
2	2022	St. Govt (HS)	48	49.21	48.30	0.90	10.40	10.40	17.45

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 48 years (Th.Cum/SqKm/yr)
1	1974	-	49	-	0.41
2	2022	48		0.41	

PHOT

State: Gujarat	District: Kachchh	River: Tributary of Phot
Year of 1st Impoundment: 1961	MDDL: 79.26 m	FRL: 84.15 m
Year of Last Survey: 2022	Catchment Area: 18.13 Sq. km	Latitude: 23.04
Longitude: 69.67	Reservoir Area at FRL: 0.79 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1961	-	-	2.30	2.02	0.28	-	-	-
2	2022	St. Govt (HS)	61	2.12	1.85	0.27	0.18	0.18	7.90

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 61 years (Th.Cum/SqKm/yr)
1	1961	-	62	-	0.16
2	2022	61		0.16	

PUNA

State: Gujarat	District: Jamnagar	River: Sasoi
Year of 1st Impoundment: 1954	MDDL: NA	FRL: 24.38 m
Year of Last Survey: 1986	Catchment Area: 137.27 Sq.km	Latitude: 22.35
Longitude: 69.92	Reservoir Area at FRL: 3.80 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1954	-	-	13.99	-	-	-	-	-
2	1986	St.Govt (HS)	32	9.84	-	-	4.15	4.15	29.66

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 32 Years (Th.Cum/SqKm/yr)
1	1954	-	69	-	0.94
2	1986	32		0.94	

PUNADI

State: Gujarat	District: Kachchh	River: Tributary of Local
Year of 1st Impoundment: 1959	MDDL: 52.330 m	FRL: 56.380 m
Year of Last Survey: 2022	Catchment Area: 5.70 Sq. km	Latitude: 23.03
Longitude: 69.53	Reservoir Area at FRL: 0.25 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1959	-	-	0.60	0.52	0.08	-	-	-
2	2022	St. Govt (HS)	63	0.51	0.48	0.04	0.09	0.09	14.33

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 63 years (Th.Cum/SqKm/yr)
1	1959	-	64	-	0.24
2	2022	63		0.24	

RAJKI

State: Gujarat	District: Bhavnagar	River: Malan
Year of 1st Impoundment: 1964	MDDL: NA	FRL: 89.08 m
Year of Last Survey: 1986	Catchment Area: 88.06 Sq.km	Latitude: 21.75
Longitude: 72.12	Reservoir Area at FRL: 1.97 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1964	-	-	12.02	-	-	-	-	-
2	1974	St.Govt (HS)	10	9.94	-	-	2.08	2.08	17.30
3	1986	-do-	22	9.23	-	-	0.71	2.79	23.21

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 22 Years (Th.Cum/SqKm/yr)
1	1964	-	59	-	1.44
2	1974	10		2.36	
3	1986	12		0.67	

RAMI

State: Gujarat	District: Vadodara	River: Narmada
Year of 1st Impoundment: 1983	MDDL: 184.0 m	FRL: 196.35 m
Year of Last Survey: 1999	Catchment Area: 25.00 Sq.km	Latitude: 22.08
Longitude: 74.00	Reservoir Area at FRL: 1.30 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1983	-	-	7.08	6.61	0.47	-	-	-
2	1999	St. Govt (HS)	16	4.55	4.49	0.06	2.53	2.53	35.73

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 16 Years (Th.Cum/SqKm/yr)
1	1983	-	40		6.33
2	1999	16		6.33	

RANGHOLA

State: Gujarat	District : Bhavnagar	River: Rangholi
Year of 1st Impoundment: 1952	MDDL: NA	FRL: 62.50 m
Year of Last Survey: 1986	Catchment Area: 370.37 Sq.km	Latitude: 21.76
Longitude: 71.68	Reservoir Area at FRL: 10.58 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	%Cumulative
1	1952	-	-	44.52	-	-	-	-	-
2	1974	St.Govt (HS)	22	42.42	-	-	2.1	2.1	4.72
3	1986	-do-	34	36.68	-	-	5.74	7.84	17.61

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 34 Years (Th.Cum/SqKm/yr)
1	1952	-	71	-	0.62
2	1974	22		0.26	
3	1986	12		1.29	

RATNAL

State: Gujarat	District: Kachchh	River: Tributary of Local Stream
Year of 1st Impoundment: 1981	MDDL: 93.00 m	FRL: 97.00 m
Year of Last Survey: 2022	Catchment Area: 29.78 Sq. km	Latitude: 23.16
Longitude: 69.90	Reservoir Area at FRL: 0.51 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1981	-	-	1.67	1.32	0.35	-	-	-
2	2022	St. Govt (HS)	41	1.60	1.30	0.29	0.07	0.07	4.31

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 41 years (Th.Cum/SqKm/yr)
1	1981	-	42	-	0.06
2	2022	41		0.06	

RUDRAMATA

State: Gujarat	District : Kachchh	River: Khari
Year of 1st Impoundment: 1970	MDDL: NA	FRL: NA
Year of Last Survey: 2021	Catchment Area: 383.17 Sq.km	Latitude: 23.37
Longitude: 69.71	Reservoir Area at FRL : 8.17 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1970	-	-	64.74	55.76	8.98	-	-	-
2	1987	St.Govt (HS)	17	61.16	-	-	3.58	3.58	5.53
3	2021	St.Govt (HS)	51	59.92	55.31	4.62	1.24	4.82	7.44

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 51 years (Th.Cum/SqKm/yr)
1	1970	-	53	-	0.25
2	1987	17		0.19	
3	2021	51		0.25	

SABARMATI

State: Gujarat	District: Mehsana	River: Sabarmati
Year of 1st Impoundment: 1976	MDDL: NA	FRL: NA
Year of Last Survey: 2003	Catchment Area: 5540.00 Sq. km	Latitude: 23.09
Longitude: 72.58	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1976	-	-	907.89	775.89	132.00	-	-	-
2	2003	CWC (RS)	27	-	734.89	-	41	41	5.28

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 27 Years (Th.Cum/SqKm/yr)
1	1976	-	47	-	0.27*
2	2003	27			

*Average Rate of Sedimentation on basis of Live storage measured by SRS Survey

SANANDRO

State: Gujarat	District: Kachchh	River: Tributary of Kail
Year of 1st Impoundment: 1955	MDDL: 51.20 m	FRL: 59.75 m
Year of Last Survey: 2022	Catchment Area: 147.57 Sq.km	Latitude: 23.61
Longitude: 68.83	Reservoir Area at FRL: 3.18 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1955	-	-	10.34	10.09	0.25	-	-	-
2	1974	St.Govt (HS)	19	10.35	-	-	-0.01	-0.01	-0.10
3	1986	-do-	31	5.24	-	-	5.11	5.10	49.32
4	2022	-do-	67	9.86	9.83	0.03	-4.62	0.48	4.63

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 67 years (Th.Cum/SqKm/yr)
1	1956	-	68	-	0.05
2	1974	19		-	
3	1986	12		2.89	
4	2022	36		-	

SANI

State: Gujarat	District : Jamnagar	River: Sani
Year of 1st Impoundment: 1984	MDDL: 13.65 m	FRL: 17.35 m
Year of Last Survey: 2010	Catchment Area: 506.00 Sq.km	Latitude: 21.98
Longitude: 69.49	Reservoir Area at FRL: 18.20 Sq.km	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1984	-	-	55.08	46.15	8.93	-	-	-
2	2001	St.Govt (HS)	17	45.45	37.85	7.6	9.63	9.63	17.48
3	2010	-do-	26	39.02	32.17	6.84	6.43	16.06	29.16

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 26 Years (Th.Cum/SqKm/yr)
1	1984	-	39	-	1.22
2	2001	17		1.12	
3	2010	9		1.41	

SARDAR SAROVAR

State: Gujarat	District: Narmada	River: Narmada
Year of 1st Impoundment: 1995	MDDL: 110.64 m	FRL: 138.68 m
Year of Last Survey: 2024	Catchment Area: 26358.00 Sq.km	Latitude: 21.83
Longitude: 73.75	Reservoir Area at FRL: 324.80 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1995	-	-	9460.00	5760.00	3700.00	-	-	-
2	2024	CWC (HS)	29	8249.01	5470.91	2778.10	8249.01	1210.99	12.80

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation in For 29 years (Th.Cum/SqKm/yr)
1	1995	-	28	-	1.58
2	2024	29		1.58	

SASOI

State: Gujarat	District: Jamnagar	River: Sasoi
Year of 1st Impoundment: 1954	MDDL: 22.25 m	FRL: 28.95 m
Year of Last Survey: 2009	Catchment Area: 562.03 Sq.km	Latitude: 22.33
Longitude: 69.96	Reservoir Area at FRL: 14.68 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1954	-	-	51.00	46.75	4.25	-	-	-
2	1986	St.Govt (HS)	32	38.97	-	-	12.3	12.3	23.59
3	2009	-do-	55	37.97	37.97	0.00	1.00	13.3	25.55

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 55 Years (Th.Cum/SqKm/yr)
1	1954	-	69	-	0.42
2	1986	32		0.67	
3	2009	23		0.08	

SATAPAR RATA

State: Gujarat	District: Kachchh	River: Tributary of Local stream
Year of 1st Impoundment: 1950	MDDL: 59.750 m	FRL: 63.400 m
Year of Last Survey: 2022	Catchment Area: 56.98 Sq. km	Latitude: 23.17
Longitude: 70.02	Reservoir Area at FRL: 1.39 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1950	-		3.07	2.84	0.23	-	-	-
2	2022	St. Govt (HS)	72	2.82	2.63	0.19	0.25	0.25	8.08

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 72 years (Th.Cum/SqKm/yr)
1	1950	-	73	-	0.06
2	2022	72		0.06	

SERAI MIS

State: Gujarat	District: Rajkot	River: Tributary of Serai
Year of 1st Impoundment: 1981	MDDL: 71.95 m	FRL: 78.04 m
Year of Last Survey: 2022	Catchment Area: 56.32 Sq. km	Latitude: 23.03
Longitude: 69.61	Reservoir Area at FRL: 1.66 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1981	-	-	3.82	3.67	0.15	-	-	-
2	2022	St. Govt (HS)	41	3.58	3.56	0.02	0.25	0.25	6.44

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 41 years (Th.Cum/SqKm/yr)
1	1981	-	42	-	0.11
2	2022	41		0.11	

SHAKTISAGAR (BRAHMANI-II)

State: Gujarat	District: Morbi	River: Tributary of Brahmani
Year of 1st Impoundment: 2011	MDDL: 39.15 m	FRL: 44.50 m
Year of Last Survey: 2022	Catchment Area: 850.81 Sq. km	Latitude: 22.98
Longitude: 71.09	Reservoir Area at FRL: 6.34 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2011	-	-	19.80	18.50	1.30	-	-	-
2	2022	St. Govt (HS)	11	19.31	16.11	3.19	0.50	0.495	2.50

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 11 years (Th.Cum/SqKm/yr)
1	2011	-	13	-	0.05
2	2022	11		0.05	

SHETRUNJI

State: Gujarat	District : Bhavnagar	River: Shetrunji
Year of 1st Impoundment: 1959	MDDL: 45.15 m	FRL: 55.53 m
Year of Last Survey: 2008	Catchment Area: 4317.00 Sq.km	Latitude: 21.46
Longitude: 71.83	Reservoir Area at FRL: 67.34 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1959	-	-	415.41	374.83	40.58	-	-	-
2	1988	St.Govt (HS)	29	372.54	361.49	11.5	42.87	42.87	10.32
3	1996	-do-	37	308.69	299.9	8.79	63.85	106.72	25.69
4	2000	-do-	41	291.49	286.18	5.31	17.2	123.92	29.83
5	2003	CWC (RS)	44	-	324.31	-	-	-	-
6	2008	St. Govt (HS)	49	334.19	328.44	5.75	-42.7	81.22	19.55

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 49 Years (Th.Cum/SqKm/yr)
1	1959	-	64	-	0.38
2	1988	29		0.34	
3	1996	8		1.85	
4	2000	4		1.00	
5	2003	3		-	
6	2008	5		-	

SIPU

State: Gujarat	District: Banaskantha	River: Banas
Year of 1st Impoundment: 1992	MDDL: 173.5 m	FRL: 186.43 m
Year of Last Survey: 2007	Catchment Area: 122.00 Sq.km	Latitude: 24.41
Longitude: 72.30	Reservoir Area at FRL: 28.87 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1992	-	-	177.80	156.00	21.8	-	-	-
2	1998	St.Govt (HS)	6	133.05	115.42	17.63	44.75	44.75	25.17
3	2007	St.Govt (HS)	15	161.43	145.4	16.03	-28.38	16.37	9.21

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 15 Years (Th.Cum/SqKm/yr)
1	1992	-	31	-	8.95
2	1998	6		61.13	
3	2007	9		-	

SODVADAR

State: Gujarat	District: Rajkot	River: UtavaliTributory of Bhadar
Year of 1st Impoundment: 2001	MDDL: 69.650 m	FRL: 76.700 m
Year of Last Survey: 2022	Catchment Area: 48.22 Sq. km	Latitude: 21.83
Longitude: 70.36	Reservoir Area at FRL: 1.68 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2001	-	-	4.89	4.63	0.26	-	-	-
2	2022	St. Govt (HS)	21	4.01	3.88	0.13	0.88	0.88	18.04

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 21 years (Th.Cum/SqKm/yr)
1	2001	-	22	-	0.87
2	2022	21		0.87	

SUKHI

State: Gujarat	District: Panchmahals and Vadodara	River: Sukhi
Year of 1st Impoundment: 1987	MDDL: 135.00 m	FRL: 147.82 m
Year of Last Survey: 2021	Catchment Area: 411.81 Sq.km	Latitude: 22.45
Longitude: 73.88	Reservoir Area at FRL: 29.04 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1987	-	-	178.47	167.14	11.33	-	-	-
2	1997	St. Govt (HS)	10	164.08	156.08	8.00	14.39	14.39	8.06
3	1999	-do-	12	175.14	164.24	10.90	-	3.33	1.87
4	2005	-do-	18	177.01	167.21	9.79	-	1.46	0.82
5	2021	St. Govt (HS)	34	175.24	166.20	9.03	1.77	3.23	1.81

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation in For 34 years (Th.Cum/SqKm/yr)
1	1987	-	36	-	0.23
2	1997	10		3.49	
3	1999	2		-	
4	2005	6		-	
5	2021	16		0.27	

SURKHAN

State: Gujarat	District: Kachchh	River: Tributary of Surkhan
Year of 1st Impoundment: 1966	MDDL: 78.96 m	FRL: 85.06 m
Year of Last Survey: 2022	Catchment Area: 58.27 Sq. km	Latitude: 23.04
Longitude: 69.84	Reservoir Area at FRL: 0.91 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1966	-		4.02	3.18	0.84			
2	2022	St. Govt (HS)	56	3.45	3.12	0.33	0.57	0.57	14.18

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 56 years (Th.Cum/SqKm/yr)
1	1966	-	57	-	0.17
2	2022	56		0.17	

SURVO

State: Gujarat	District: Rajkot	River: Tributary of Survo
Year of 1st Impoundment: 2000	MDDL: 92.150 m	FRL: 99.850 m
Year of Last Survey: 2022	Catchment Area: 238.11 Sq. km	Latitude: 21.68
Longitude: 70.83	Reservoir Area at FRL: 4.44 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2000	-	-	13.90	13.67	0.24			
2	2022	St. Govt (HS)	22	13.32	12.96	0.36	0.58	0.58	4.17

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 22 years (Th.Cum/SqKm/yr)
1	2000	-	23	-	0.11
2	2022	22		0.11	

SUVI

State: Gujarat	District: Kachchh	River: Suvi
Year of 1st Impoundment: 1969	MDDL: 38.10 m	FRL: 42.67 m
Year of Last Survey: 2022	Catchment Area: 160.52 Sq.km	Latitude: 23.61
Longitude: 70.49	Reservoir Area at FRL: 3.76 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1969	-	-	14.28	11.90	2.38	-	-	-
2	1987	St.Govt (HS)	18	10.46	8.42	2.04	3.82	3.82	26.75
3	2022	-do-	53	8.85	8.13	0.71	1.61	5.43	38.04

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 53 years (Th.Cum/SqKm/yr)
1	1969	-	54	-	0.64
2	1987	18		1.32	
3	2022	35		0.29	

TAPPAR

State: Gujarat	District: Kachchh	River: Sakara
Years of 1st Impoundment: 1967	MDDL: 29.87 m	FRL: 40.85 m
Year of Last Survey: 2021	Catchment Area: 283.60 Sq.Km.	Latitude: 23.26
Longitude: 70.14	Reservoir Area at FRL: 10.81 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1967	-	-	48.81	48.60	0.22	-	-	-
2.	2021	St.Govt (HS)	54	46.89	46.88	0.01	1.92	1.92	3.93

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 54 years (Th.Cum/Sqkm/yr)
1.	1967	-	56	-	0.13
2.	2021	54		0.13	

UKAI

State: Gujarat	District: Tapi	River: Tapi
Year of 1st Impoundment: 1972	MDDL: 82.30 m	FRL: 105.15 m
Year of Last Survey: 2005	Catchment Area: 62225.00 Sq. km	Latitude: 21.23
Longitude: 73.59	Reservoir Area at FRL: 520.00 Sq.km	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1972	-	-	8510.00	7097.00	1413	-	-	-
2	1979	St. Govt. (HS)	7	8240	6852	1388	270	270	3.17
3	1983	-do-	11	7963	6803	1160	277	547	6.43
4	1992	-do-	20	7496.8	6615.05	881.75	466.2	1013.2	11.91
5	2001	CWC (HS)	29	7902	7144.2	757.8	-405.2	608	7.14
6	2003	St. Govt. (HS)	31	7414.29	6729.90	684.39	487.71	1095.71	12.88
7	2005	CWC (RS)	33	-	6002.5	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 31 Years (Th.Cum/SqKm/yr)
1	1972	-	51	-	0.57
2	1979	7		0.62	
3	1983	4		1.11	
4	1992	9		0.83	
5	2001	9		-	
6	2003	2		3.92	
7	2005	2		-	-

UND-I

State: Gujarat	District: Jamnagar	River: Und
Year of 1st Impoundment: 1988	MDDL: 90.10 m	FRL: 97.86 m
Year of Last Survey: 2010	Catchment Area: 769.00 Sq.km	Latitude: 22.39
Longitude: 70.40	Reservoir Area at FRL: 17.69 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1988	-	-	72.50	65.47	7.03	-	-	-
2	2010	St. Govt (HS)	22	69.05	65.94	3.10	3.46	3.46	4.77
3	2021	-do-	33	73.88	70.10	3.79	-4.83	-1.38	-1.91

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 33 Years (Th.Cum/SqKm/yr)
1	1988	-	35	-	-
2	2010	22		0.20	
3	2021	11		-	

VACHHAPARI

State: Gujarat	District: Rajkot	River: Tributary of Vachhapari
Year of 1st Impoundment: 1970	MDDL: 38.400 m	FRL: 43.890 m
Year of Last Survey: 2022	Catchment Area: 39.80 Sq. km	Latitude: 22.06
Longitude: 70.86	Reservoir Area at FRL: 1.91 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1970	-	-	6.12	5.58	0.54	-	-	-
2	2022	St. Govt (HS)	52	6.40	5.71	0.69	-0.28	-0.28	-4.59

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 52 years (Th.Cum/SqKm/yr)
1	1970	-	53	-	-
2	2022	52		-	

VADZAR

State: Gujarat	District: Kachchh	River: Tributary of Local stream
Year of 1st Impoundment: 1984	MDDL: 99.500 m	FRL: 103.100 m
Year of Last Survey: 2022	Catchment Area: 6.34 Sq. km	Latitude: 23.08
Longitude: 69.68	Reservoir Area at FRL: 0.05 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1984	-	-	0.83	0.53	0.30	-	-	-
2	2022	St. Govt (HS)	38	0.09	0.08	0.01	0.74	0.74	88.92

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 38 years (Th.Cum/SqKm/yr)
1	1984	-	39	-	3.06
2	2022	38		3.06	

VARSHAMEDI

State: Gujarat	District: Kachchh	River: Tributary of Local
Year of 1st Impoundment: 1942	MDDL: 36.280 m	FRL: 40.850 m
Year of Last Survey: 2022	Catchment Area: 12.95 Sq. km	Latitude: 23.15
Longitude: 70.08	Reservoir Area at FRL: 1.11 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1942	-	-	1.78	1.76	0.02	-	-	-
2	2022	St. Govt (HS)	80	1.68	1.68	0	0.10	0.10	5.84

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 80 years (Th.Cum/SqKm/yr)
1	1942	-	81	-	0.10
2	2022	80		0.10	

VARTU

State: Gujarat	District: Jamnagar	River: Vartu
Year of 1st Impoundment: 1964	MDDL: NA	FRL : 39.01m
Year of Last Survey: 1986	Catchment Area: 170.94 Sq.km	Latitude: 22.02
Longitude: 69.81	Reservoir Area at FRL : 3.44 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1964	-	-	13.30	-	-	-	-	-
2	1986	St.Govt (HS)	22	11.70	-	-	1.60	1.60	12.03

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 22 Years (Th.Cum/SqKm/yr)
1	1964	-	59	-	0.43
2	1986	22		0.43	

VENU-II

State: Gujarat	District: Rajkot	River: Venu/Bhadar
Year of 1st Impoundment: 1988	MDDL: 49.00 m	FRL: 55.00 m
Year of Last Survey: 2022	Catchment Area: 781.68 Sq.km	Latitude: 21.80
Longitude: 70.17	Reservoir Area at FRL: 6.25 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1988	-	-	22.58	18.80	3.78	-	-	-
2	1999	St.Govt (HS)	11	15.32	12.86	2.46	7.26	7.26	32.15
3	2022	-do-	34	16.52	14.44	2.08	-1.20	6.06	26.84

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th. Cum/SqKm/yr)	Average Rate of Sedimentation For 34 Years (Th.Cum/SqKm/yr)
1	1988	-	35	-	0.23
2	1999	11		0.84	
3	2022	23		-	

VER-II AMLI

State: Gujarat	District: Tapi	River: Ver/Tapi
Year of 1st Impoundment: 1984	MDDL: 101.00 m	FRL: 115.80 m
Year of Last Survey: 2020	Catchment Area: 90.00 Sq. km	Latitude: 21.40
Longitude: 73.38	Reservoir Area at FRL: 5.81 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1984	-	-	38.30	37.05	1.25	-	-	-
2	1998	St.Govt (HS)	14	32.63	32.36	0.27	5.67	5.67	14.80
3	2020	-do-	36	31.88	31.72	0.16	0.75	6.42	16.77

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 36 Years (Th.Cum/SqKm/yr)
1	1984	-	39	-	1.98
2	1998	14		4.50	
3	2020	22		0.38	

VERI

State: Gujarat	District: Rajkot	River: Tributary of Veri
Year of 1st Impoundment: 1901	MDDL: 139.190 m	FRL: 142.040 m
Year of Last Survey: 2022	Catchment Area: 178.42 Sq. km	Latitude: 22.00
Longitude: 70.80	Reservoir Area at FRL: 3.58 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1901	-	-	10.88	8.48	2.40	-	-	-
2	2022	St. Govt (HS)	121	7.74	5.38	2.36	3.14	3.14	28.86

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 121 years (Th.Cum/SqKm/yr)
1	1901	-	122	-	0.15
2	2022	121		0.15	

VIJAYSAGAR MIS

State: Gujarat	District: Kachchh	River: Tributary of Kojachora
Year of 1st Impoundment: 1948	MDDL: 37.19 m	FRL: 46.63 m
Year of Last Survey: 2022	Catchment Area: 229.21 Sq. km	Latitude: 23.03
Longitude: 69.46	Reservoir Area at FRL: 6.46 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1948	-	-	20.82	19.34	1.48	-	-	-
2	2022	St. Govt (HS)	74	17.94	17.83	0.11	2.88	2.88	13.84

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 74 years (Th.Cum/SqKm/yr)
1	1948	-	75	-	0.17
2	2022	74		0.17	

WADHOVAN BHOGAVO

State: Gujarat	District: Surendra Nagar	River: Wadhovan Bhogavo
Year of 1st Impoundment: 1960	MDDL: NA	FRL: NA
Year of Last Survey: 1986	Catchment Area: 435.10 Sq. km	Latitude: 22.66
Longitude: 71.46	Reservoir Area at FRL: 5.57 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1960	-	-	18.15	-	-	-	-	-
2	1986	St. Govt. (HS)	26	15.48	-	-	2.67	2.67	14.71

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 26 Years (Th.Cum/SqKm/yr)
1	1960	-	63	-	0.24
2	1986	26		0.24	

WADHOVAN BHOGAVO-II

State: Gujarat	District: Surendra Nagar	River: Wadhovan Bhogavo
Year of 1st Impoundment: 1959	MDDL: NA	FRL: NA
Year of Last Survey: 1986	Catchment Area: 569.77 Sq. km	Latitude: 22.73
Longitude: 71.60	Reservoir Area at FRL: 6.13 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1960	-	-	23.36	-	-	-	-	-
2	1974	St. Govt. (HS)	15	21.8	-	-	1.56	1.56	6.68
3	1986	-do-	27	20.39	-	-	1.41	2.97	12.71

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 27 Years (Th.Cum/SqKm/yr)
1	1960	-	64	-	0.19
2	1974	15		0.18	
3	1986	12		0.21	

WANKLESHWAR

State: Gujarat	District: Dahod	River: Bed River (River that joins Panam tributary)
Years of 1st Impoundment: 1978	MDDL: 214.88 m	FRL: 223.57 m
Year of Last Survey: 2021	Catchment Area: 44.500 Sq.Km.	Latitude: 22.70
Longitude: 73.99	Reservoir Area at FRL: 2.00 Sq.Km.	

Survey Details

S. No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1978	-	-	13.30	11.69	1.61	-	-	-
2.	2021	St.Govt. (HS)	43	12.62	11.14	1.48	0.68	0.68	5.11

Sedimentation Details

S.No	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 43 years (Th.Cum/Sqkm/yr)
1.	1978	-	45	-	0.36
2.	2021	43		0.36	

WATRAK

State: Gujarat	District: Sabarkantha	River: Watrak
Year of 1st Impoundment: 1984	MDDL: 126.39 m	FRL: 136.25 m
Year of Last Survey: 2021	Catchment Area: 1114.00 Sq. km	Latitude: 23.32
Longitude: 73.41	Reservoir Area at FRL: 43.85 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1984	-	-	176.20	152.79	23.41	-	-	-
2	1999	CWC (RS)	15	-	134.79		-	-	-
3	2003	CWC (HS)	19	161.60	140.552	21.05	14.60	14.60	8.29
4	2021	St. Govt. (HS)	37	168.49	146.56	21.93	-6.89	7.71	4.38

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 37 years (Th.Cum/SqKm/yr)
1	1984	-	39	-	0.19
2	1999	15			
3	2003	4		0.69	
4	2021	18		-	

ZURAN

State: Gujarat	District: Kachchh	River: Tributary of zuran
Year of 1st Impoundment: 1946	MDDL: 74.050 m	FRL: 82.600 m
Year of Last Survey: 2022	Catchment Area: 14.77 Sq. km	Latitude: 23.37
Longitude: 70.00	Reservoir Area at FRL: 0.18 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1946	-	-	0.93	0.88	0.05	-	-	-
2	2022	St. Govt (HS)	76	0.44	0.44	0	0.49	0.49	52.37

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 76 years (Th.Cum/SqKm/yr)
1	1946	-	77	-	0.43
2	2022	76		0.43	

ADHPL

State: Himachal Pradesh	District: Kullu	River: Allain & Duhanganrevulets
Year of 1st Impoundment: 2010	MDDL: 2734.0 m	FRL: 2746.0 m
Year of Last Survey: 2018	Catchment Area: 195.1 Sq.km	Latitude: 32.22
Longitude: 77.20	Reservoir Area at FRL: 0.02 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2010	-	-	0.224	0.221	0.002	-	-	-
2	2018	St. Govt (HS)	8	0.224	0.179	0.045	0	0	0

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 8 Years (Th.Cum/SqKm/yr)
1	2010	-	13	-	-
2	2018	8		-	

BAIRA

State: Himachal Pradesh	District: Chamba	River: Baira
Year of 1st Impoundment: 1980	MDDL: 1113.00 m	FRL: 1122.15 m
Year of Last Survey: 2017	Catchment Area: 669.0 Sq.km	Latitude: 32.81
Longitude: 76.14	Reservoir Area at FRL: 0.10 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1980	-	-	3.75	2.48	1.27	-	-	-
2	2011	St. Govt (HS)	31	0.59	0.51	0.08	3.16	3.16	84.27
3	2017	-do-	37	0.7	0.6	0.1	-0.11	3.05	81.33

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 37 Years (Th.Cum/SqKm/yr)
1	1980	-	43	-	0.12
2	2011	31		0.16	
3	2017	6		-	

BHAKRA

State: Himachal Pradesh	District: Bilaspur	River: Sutlej
Year of 1st Impoundment: 1963	MDDL: 445.60 m	FRL: 515.08 m
Year of Last Survey: 2022	Catchment Area: 56880.00 Sq.km	Latitude: 31.41
Longitude: 76.43	Reservoir Area at FRL: 168.35 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1963	-	-	9867.84	7436.03	2431.81	-	-	-
2	1965	St. Govt. (HS)	2	9631.92	-	-	-	235.92	2.39
3	1966	-do-	3	9607.71	-	-	24.21	260.13	2.64
4	1967	-do-	4	9556.01	-	-	51.7	311.86	3.16
5	1968	-do-	5	9523.55	-	-	32.46	344.29	3.49
6	1969	-do-	6	9507.11	-	-	16.44	360.73	3.66
7	1970	-do-	7	9462.41	-	-	44.7	405.43	4.11
8	1971	-do-	8	9447.57	-	-	14.84	420.27	4.26
9	1972	-do-	9	9417.53	-	-	30.04	450.31	4.56
10	1973	-do-	10	9395.39	-	-	22.14	472.45	4.79
11	1974	-do-	11	9341.83	-	-	53.56	526.01	5.33
12	1975	-do-	12	9320.98	-	-	20.85	546.86	5.54
13	1976	-do-	13	9285.25	-	-	35.73	582.59	5.91
14	1977	-do-	14	9259.82	-	-	25.43	608.02	6.16
15	1979	-do-	15	9160.32	-	-	99.5	707.52	7.17
16	1981	-do-	17	9091.14	-	-	69.18	776.70	7.87
17	1983	-do-	19	9034.62	-	-	56.52	833.22	8.45
18	1984	-do-	21	9007.28	-	-	27.34	860.56	8.72
19	1986	-do-	23	8932.94	-	-	74.34	934.90	9.48
20	1988	-do-	25	8855.72	-	-	77.22	1012.12	10.26
21	1990	-do-	27	8736.25	-	-	119.47	1131.59	11.47
22	1992	-do-	29	8681.57	-	-	54.68	1186.27	12.02
23	1994	-do-	31	8585.29	-	-	96.28	1282.55	13.00
24	1996	-do-	33	8533.49	-	-	51.8	1334.35	13.52
25	1998	-do-	35	8477.64	-	-	55.85	1390.20	14.09
26	2000	-do-	37	8385.58	6715.00	1670.58	92.06	1482.26	15.02
27	2002	-do-	39	8321.76	6668.88	1652.88	63.82	1546.08	15.67
28	2005	-do-	42	8144.17	6603.27	1540.9	177.59	1723.67	17.47
29	2007	-do-	44	8042.45	6511.74	1530.71	101.72	1825.39	18.50
30	2009	-do-	46	7930.06	6437.31	1492.75	112.39	1937.78	19.64
31	2012	-do-	49	7769.66	6271.18	1498.48	160.4	2098.18	21.26
32	2017	-do-	54	7595.97	6208.11	1387.86	173.69	2271.87	23.02
33	2022	-do-	59	7358.57	6061.34	1297.09	237.40	2509.27	25.43

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 59 Years (Th.Cum/SqKm/yr)
1	1963	-	60	-	0.75
2	1965	-		-	
3	1966	1		0.43	
4	1967	1		0.91	
5	1968	1		0.57	
6	1969	1		0.29	
7	1970	1		0.78	
8	1971	1		0.26	
9	1972	1		0.53	
10	1973	1		0.39	
11	1974	1		0.94	
12	1975	1		0.37	
13	1976	1		0.63	
14	1977	1		0.45	
15	1979	2		0.87	
16	1981	2		0.61	
17	1983	2		0.50	
18	1984	1		0.48	
19	1986	2		0.65	
20	1988	2		0.68	
21	1990	2		1.05	
22	1992	2		0.48	
23	1994	2		0.85	
24	1996	2		0.46	
25	1998	2		0.49	
26	2000	2		0.81	
27	2002	2		0.56	
28	2005	3		1.04	
29	2007	2		0.89	
30	2009	2		0.99	
31	2012	3		0.94	
32	2017	5		0.61	
33	2022	5		0.84	

CHAMERA-I

State: Himachal Pradesh	District: Chamba	River: Ravi
Year of 1st Impoundment: 1994	MDDL: 749.00 m	FRL: 760.00 m
Year of Last Survey: 2018	Catchment Area: 4725.00 Sq. km	Latitude: 32.60
Longitude: 76.00	Reservoir Area at FRL: 10.94 Sq. Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1994	-	-	391.3	94.85	296.45	-	-	-
2	2010	St. Govt (HS)	16	237.1	104.05	133.05	154.2	154.20	39.41
3	2017	-do-	23	195.60	86.7	108.9	41.5	195.7	50.01
4	2018	St. Govt (HS)	24	195.1	87.9	107.2	0.5	196.2	50.14

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 24 Years (Th.Cum/SqKm/yr)
1	1994	-	29	-	1.73
2	2010	16		2.04	
3	2017	7		1.79	
4	2018	1		1.04	

CHAMERA-II

State: Himachal Pradesh	District: Chamba	River: Ravi
Year of 1st Impoundment: 2003	MDDL: 1152.0 m	FRL: 1162.0 m
Year of Last Survey: 2018	Catchment Area: 2593.00 Sq. km	Latitude: 32.47
Longitude: 76.25	Reservoir Area at FRL: 0.23 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2003	-	-	2.25	1.57	0.68	-	-	-
2	2010	St. Govt (HS)	7	1.84	1.51	0.33	0.41	0.41	18.22
3	2017	-do-	14	1.7	1.4	0.3	0.14	0.55	24.44
4	2018	-do-	15	1.68	1.39	0.3	0.02	0.57	25.33

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 15 Years (Th.Cum/SqKm/yr)
1	2003	-	20	-	0.01
2	2010	7		0.02	
3	2017	7		0.81	
4	2018	1		0.29	

CHAMERA –III

State: Himachal Pradesh	District: Chamba	River: Ravi
Year of 1st Impoundment: 2012	MDDL: 1380.0 m	FRL: 1397.0 m
Year of Last Survey: 2018	Catchment Area: 2203.00 Sq. km	Latitude: 32.47
Longitude: 76.44	Reservoir Area at FRL: 0.28 Sq.km	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2012	-	-	5.48	3.64	1.84	-	-	-
2	2017	St. Govt (HS)	5	4.00	3.20	0.80	1.48	1.48	27.15
3	2018	-do-	6	2.97	2.88	0.09	1.03	2.51	45.80

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 6 Years (Th.Cum/SqKm/yr)
1	2012	-	11	-	0.19
2	2017	5		0.62	
3	2018	1		0.80	

KOL DAM

State: Himachal Pradesh	District: Bilaspur	River: Satluj
Year of 1st Impoundment: 2015	MDDL: 636.0 m	FRL: 642.0 m
Year of Last Survey: 2021	Catchment Area: 7361.00 Sq.km	Latitude: 31.38
Longitude: 76.87	Reservoir Area at FRL: 13.02 Sq.km	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2015		-	576.00	89.12	486.88	-	-	-
2	2017	St. Govt (HS)	2	571.25	90.00	481.25	4.75	4.75	0.82
3	2021	CWC (HS)	6	465.00	72.31	392.70	106.25	111.00	19.27

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 8 Years(Th.Cum/SqKm/yr)
1	2015	-	8	-	2.51
2	2017	2		0.32	
3	2021	4		3.61	

PARBATI-III

State: Himachal Pradesh	District: Kullu	River: Sainj
Year of 1st Impoundment: 2014	MDDL: 1314.0 m	FRL: 1330.0 m
Year of Last Survey: 2018	Catchment Area: 650.00 Sq.km	Latitude: 31.75
Longitude: 77.24	Reservoir Area at FRL: 0.13 Sq.km	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2014	-	-	1.67	1.28	0.39	-	-	-
2	2017	St. Govt (HS)	3	1.1	1.0	0.1	0.57	0.57	34.13
3	2018	-do-	4	1.21	0.98	0.23	-0.11	0.46	27.54

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 9 Years (Th.Cum/SqKm/yr)
1	2014	-	9	-	0.18
2	2017	3		0.22	
3	2018	1		-	

PONG

State: Himachal Pradesh	District: Kangra	River: Beas
Year of 1st Impoundment: 1974	MDDL: 384.05 m	FRL: 426.72 m
Year of Last Survey: 2018	Catchment Area: 12562.00 Sq.km	Latitude: 31.97
Longitude: 75.95	Reservoir Area at FRL: 260.66 Sq.km	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1974	-	-	8579	7291.22	1287.78	-	-	-
2	1980	St. Govt (HS)	6	8407.91	-	-	171.09	171.09	1.99
3	1982	-do-	8	8347.33	-	-	60.58	231.67	2.70
4	1984	-do-	10	8257.51	-	-	89.82	321.49	3.75
5	1986	-do-	12	8159.25	-	-	98.26	419.75	4.89
6	1988	-do-	14	8114.09	-	-	45.16	464.91	5.42
7	1989	-do-	15	8088.53	-	-	25.56	490.47	5.72
8	1990	-do-	16	8070.79	-	-	17.74	508.21	5.92
9	1991	-do-	17	8052.86	-	-	17.93	526.14	6.13
10	1992	-do-	18	8041.88	-	-	10.98	537.12	6.26
11	1993	-do-	19	8033.27	-	-	8.61	545.73	6.36
12	1994	-do-	20	8025.36	-	-	7.91	553.64	6.45
13	1996	-do-	22	7983.04	-	-	42.32	595.96	6.95
14	1997	-do-	23	7964.12	-	-	18.92	614.88	7.17
15	1998	-do-	24	7942.43	-	-	21.69	636.57	7.42
16	1999	-do-	25	7918.06	-	-	24.37	660.94	7.70
17	2000	-do-	26	7896.04	-	-	22.02	682.96	7.96
18	2001	-do-	27	7887.42	-	-	8.62	691.58	8.06
19	2002	-do-	28	7871.6	-	-	15.82	707.4	8.25
20	2003	-do-	29	7850.9	-	-	20.7	728.1	8.49
21	2004	-do-	30	7828.99	-	-	21.91	750.01	8.74
22	2005	CWC (RS)	31	-	6712.18	-	-	-	-
23	2005	St. Govt (HS)	31	7812.66	-	-	16.33	766.34	8.93
24	2006	-do-	32	7789.25	-	-	23.41	789.75	9.21
25	2007	-do-	33	7764.53	-	-	24.72	814.47	9.49
26	2008	-do-	34	7742.49	-	-	22.04	836.51	9.75
27	2009	-do-	35	7719.39	-	-	23.1	859.61	10.02
28	2010	-do-	36	7699.25	-	-	20.14	879.75	10.25
29	2012	-do-	38	7651.71	-	-	47.54	927.29	10.81
30	2018	-do-	44	7510.12	6504.69	1005.42	141.59	1068.88	12.46

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 44 Years(Th.Cum/SqKm/yr)
1	1974	-	49	-	1.93
2	1980	6		2.270	
3	1982	2		2.411	
4	1984	2		3.575	
5	1986	2		3.911	
6	1988	2		1.797	
7	1989	1		2.035	
8	1990	1		1.412	
9	1991	1		1.427	
10	1992	1		0.874	
11	1993	1		0.685	
12	1994	1		0.630	
13	1996	2		1.684	
14	1997	1		1.506	
15	1998	1		1.727	
16	1999	1		1.940	
17	2000	1		1.753	
18	2001	1		0.686	
19	2002	1		1.259	
20	2003	1		1.648	
21	2004	1		1.744	
22	2005	1		-	
22	2005	-		1.300	
23	2006	1		1.864	
24	2007	1		1.968	
25	2008	1		1.754	
26	2009	1		1.839	
27	2010	1		1.603	
28	2012	2		1.892	
29	2018	6		1.878	

GETALSUD

State: Jharkhand	District: Ranchi	River: Subarnarekha
Year of 1st Impoundment: 1971	MDDL: 579.09 m	FRL: 590.06 m
Year of Last Survey: 2022	Catchment Area: 717.00 Sq. km	Latitude: 23.46
Longitude: 85.56	Reservoir Area at FRL: 34.40 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1971	-	-	291.73	231.89	59.84	-	-	-
2	2001	CWC (HS)	30	267.57	223.48	44.09	24.16	24.16	8.28
3	2005	CWC (RS)	34	-	200.78	-	-	-	-
4	2022	CWPRS (HS)	51	259.87	218.00	41.87	7.70	31.86	10.92

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 51 Years (Th.Cum/SqKm/yr)
1	1971	-	52	-	0.87
2	2001	30		1.12	
3	2005	4		-	
4	2022	17		0.51	

KONAR

State: Jharkhand	District: Hazaribagh	River: Konar
Year of 1st Impoundment: 1955	MDDL: NA	FRL: 429.20 m
Year of Last Survey: 2020	Catchment Area: 842.00 Sq. km	Latitude: 23.95
Longitude: 85.75	Reservoir Area at FRL: 27.92 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1955	-	-	281.35	220.05	61.30	-	-	-
2	1996	CWC (HS)	41	209.65	175.45	34.20	71.70	71.70	25.48
3	1997	CWC (RS)	42	-	194.83	-	-	-	-
4	2020	DVC (HS)	65	187.20	157.09	30.11	22.45	94.15	33.46

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 65 years (Th.Cum/SqKm/yr)
1	1955	-	68	-	1.72
2	1996	41		2.08	
3	1997	1		-	
4	2020	23		1.11	

MAITHON

State: Jharkhand	District: Jamtara	River: Barakar
Year of 1st Impoundment: 1955	MDDL: 132.56 m	FRL: 146.31 m
Year of Last Survey: 2019	Catchment Area: 6293.00 Sq. km	Latitude: 23.78
Longitude: 86.80	Reservoir Area at FRL: 107.24 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1955	-	-	813.80	607.30	206.52	-	-	-
2	2019	DVC (HS)	64	519.45	429.65	89.80	294.35	294.35	36.17

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 64 Years (Th.Cum/SqKm/yr)
1	1955	-	68	-	0.73
2	2019	64		0.73	

NANDINI

State: Jharkhand	District: Lohardaga	River: Nandini
Year of 1st Impoundment: 1988	MDDL: NA	FRL: NA
Year of Last Survey: 2015	Catchment Area: 58.08 Sq.km	Latitude: 23.38
Longitude: 84.84	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1988	-	-	19.28	16.70	2.58	-	-	-
2	2015	CWC (RS)	27	-	11.22	-	5.48	5.48	32.83

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 27 Years (Th.Cum/SqKm/yr)
1	1988	-	35	-	3.50*
2	2015	27		3.50	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

PANCHET HILL DAM

State: Jharkhand	District: Dhanbad	River: Damodar
Year of 1st Impoundment: 1956	MDDL: 119.48 m	FRL: 124.97 m
Year of Last Survey: 2020	Catchment Area: 10878.00 Sq. km	Latitude: 23.69
Longitude: 86.68	Reservoir Area at FRL: 59.56 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1956	-	-	488.50	252.30	236.20	-	-	-
2	2020	DVC (HS)	64	278.22	171.66	106.56	210.28	210.28	43.05

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 64 Years (Th.Cum/SqKm/yr)
1	1956	-	67	-	0.30
2	2020	9		0.30	

TENUGHAT

State: Jharkhand	District: Bokaro	River: Damodar
Year of 1st Impoundment: 1978	MDDL: N.A	FRL: 268.83 m
Year of Last Survey: 2022	Catchment Area: 4480.67 Sq. km	Latitude: 23.73
Longitude: 85.83	Reservoir Area at FRL: 63.50 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1978	-	-	1013.92	802.12	211.80	-	-	-
2	2022	CWPRS (HS)	44	969.68	821.00	148.68	44.24	44.24	4.36

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 52 Years (Th.Cum/SqKm/yr)
1	1978	-	45	-	0.22
2	2022	44		0.22	

TILAIYA

State: Jharkhand	District: Koderma	River: Barakar
Year of 1st Impoundment: 1953	MDDL: 363.32 m	FRL: 368.80 m
Year of Last Survey: 2019	Catchment Area: 984.00 Sq. km	Latitude: 24.32
Longitude: 85.53	Reservoir Area at FRL: 36.00 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1953	-	-	335.52	194.90	140.62	-	-	-
2	1997	CWC (HS)	44	214.91	140.13	74.78	120.61	120.61	35.95
3	1997	CWC (RS)	0	-	150.53	-	-	-	-
4	2004	-do-	51	-	138.43	-	-	-	-
5	2019	DVC (HS)	66	150.95	110.64	40.31	63.96	184.57	55.01

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 66 years (Th.Cum/SqKm/yr)
1	1953	-	70	-	2.84
2	1997	44		2.79	
3	1997	-		-	
4	2004	7		-	
5	2019	15		2.96	

MASSANJORE (MAYURAKSHI)

State: Jharkhand	District: Dumka	River: Mayurakshi
Year of 1st Impoundment: 1954	MDDL: 106.38 m	FRL: 121.31 m
Year of Last Survey: 2022	Catchment Area: 1859.60 Sq.km	Latitude: 24.11
Longitude: 87.31	Reservoir Area at FRL: 73.68 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1954	-	-	608.21	540.13	68.07	-	-	-
2	1965	CWC (HS)	11	581.42	-	-	26.78	26.78	4.40
3	1970	-do-	16	561.01	-	-	20.41	47.19	7.76
4	1973	-do-	19	539.99	-	-	21.02	68.21	11.22
5	1980	-do-	26	538.30	-	-	1.69	69.9	11.49
6	1995	-do-	41	515.61	-	-	22.69	92.59	15.22
7	2001	-do-	47	559.49	509.63	49.86	-43.88	48.71	8.01
8	2003	CWC (RS)	49	-	485.41	-	-	-	-
9	2022	St. Govt. (HS)	68	556.23	511.23	45.00	3.26	51.98	8.55

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 68 Years (Th.Cum/SqKm/yr)
1	1954	-	69	-	0.41
2	1965	11		1.309	
3	1970	5		2.195	
4	1973	3		3.767	
5	1980	7		0.130	
6	1995	5		0.813	
7	2001	6		-	
8	2003	2		-	
9	2022	19		0.08	

ALMATTI

State: Karnataka	District: Bijapur	River: Krishna
Year of 1st Impoundment: 2001	MDDL: 506.87 m	FRL: 519.6 m
Year of Last Survey: 2007	Catchment Area: 35925.00 Sq. km	Latitude: 16.33
Longitude: 75.89	Reservoir Area at FRL: 493.48 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2001	-	-	3486.0	2986	500	-	-	-
2	2004	CWC (RS)	3	-	2791.36	-	-	-	-
3	2007	St. Govt (HS)	6	3335.66	3031.87	303.79	150.34	150.34	4.31

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 6 Years (Th.Cum/SqKm/yr)
1	2001	-	22	-	0.70
2	2004	3		-	
3	2007	3		0.70	

BASAVASAGARA

State: Karnataka	District: Bijapur/Raichur	River: Krishna
Year of 1st Impoundment: 1982	MDDL: 485.52 m	FRL: 492.25 m
Year of Last Survey: 2007	Catchment Area: 47850.00 Sq. km	Latitude: 16.23
Longitude: 76.33	Reservoir Area at FRL: 132.00 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1982	-	-	1071.55	868.55	203.00	-	-	-
2	1991	St. Govt (HS)	9	815.76	762.17	53.59	255.79	255.79	23.87
3	2003	CWC (RS)	21	-	842.25	-	-	-	-
4	2007	St. Govt (HS)	25	783.95	768.45	15.5	31.81	287.60	26.84
5	2022	-do-	40	772.82	754.36	18.46	11.13	298.73	27.88

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 40 Years (Th.Cum/SqKm/yr)
1	1982	-	41	-	0.16
2	1991	9		0.594	
3	2003	12		-	
4	2007	4		0.04	
5	2022	15		0.02	

BENNITHORA

State: Karnataka	District: NA	River: Bennithora
Year of 1st Impoundment: 2001	MDDL: NA	FRL: NA
Year of Last Survey: 2017	Catchment Area: 2204.09 Sq.Km.	Latitude: 17.43
Longitude: 77.01	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	2001	-		149.98	140.70	9.28	-	-	-
2	2017	CWC (RS)	16	-	114.02	-	26.69	26.69	18.97

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 16 years (Th.Cum/SqKm/yr)
1	2001	-	22	-	0.76*
2	2017	16		0.76	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS Survey

BHADRA

State: Karnataka	District: Chikkamagalur	River: Bhadra
Year of 1st Impoundment: 1964	MDDL: 631.54 m	FRL: 657.75 m
Year of Last Survey: 2020	Catchment Area: 1968.40 Sq. km	Latitude: 13.62
Longitude: 75.57	Reservoir Area at FRL: 114.82 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1964	-	-	2025.87	1785.15	240.72	-	-	-
2	2006	CWC (HS)	42	1964.95	1716.4	248.55	60.92	60.92	3.01
3	2011	-do-	47	1930.13	1709.51	220.62	34.83	95.75	4.87
4	2020	St. Govt. (HS)	56	2104.75	1854.52	250.23	-174.62	-78.88	-3.89

Sedimentation Details

S.No.	Year of Survey	Year of elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 56 years (Th.Cum/SqKm/yr)
1	1964	-	60	-	-
2	2006	42		-	
3	2011	5		-	
4	2020	9		-	

CHAKRA

State: Karnataka	District: Shimoga	River: Chakra
Year of 1st Impoundment: 1985	MDDL: N.A	FRL: N.A
Year of Last Survey: 2010	Catchment Area: 58.60 Sq. km	Latitude: 13.81
Longitude: 74.98	Reservoir Area at FRL: 11.5 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1985	-	-	222.95	132.93	89.92	-	-	-
2	2010	CWC (RS)	25	-	127.16		5.77	5.77	4.34

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 25 Years (Th.Cum/SqKm/yr)
1	1985	-	38	-	3.94*
2	2010	25		3.94	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

GERUSUPPA

State: Karnataka	District: Shimoga and Karwar	River: Sharavathi
Years of 1 Impoundment: 2001	MDDL: 43.50 m	FRL: 55 m
Year of Last Survey: 2021	Catchment Area: 151.50 Sq.Km	Latitude: 14.25
Longitude: 74.68	Reservoir Area at FRL: 5.98 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	2001	-	-	130.74	58.70	72.04	-	-	-
2.	2021	CWC (HS)	20	125.97	57.89	68.08	4.77	4.77	3.65

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 20 years (Th.Cum/Sqkm/yr)
1.	2001	-	22	-	1.57
2.	2021	20		1.57	

GHATAPRABHA

State: Karnataka	District: Belgaum	River: Ghataprabha
Year of 1st Impoundment: 1974	MDDL: 633.29 m	FRL: 662.94 m
Year of Last Survey: 2014	Catchment Area: 1411.55 Sq. km	Latitude: 16.15
Longitude: 74.65	Reservoir Area at FRL: 72.59 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1974	-	-	1434.14	1366.14	68	-	-	-
2	2000	CWC (HS)	26	1318.61	1277.15	41.46	115.52	115.52	8.06
3	2014	CWC (RS)	40	-	1366.14	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 26 Years (Th.Cum/SqKm/yr)
1	1974	-	49	-	3.15
2	2000	26		3.15	
3	2014	14		-	-

HARANGI

State: Karnataka	District: Kodagu	River: Harangi
Year of 1st Impoundment: 1982	MDDL: 849.98 m	FRL: 871.42 m
Year of Last Survey: 2009	Catchment Area: 419.58 Sq.km	Latitude: 12.49
Longitude: 75.91	Reservoir Area at FRL: 19.10 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1982	-	-	240.69	228.59	12.1	-	-	-
2	2005	CWC (RS)	23	-	157.47	-	-	-	-
3	2009	St.Govt. (HS)	27	217.12	207.82	9.3	23.57	23.57	9.79

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 27 Years (Th.Cum/SqKm/yr)
1	1982	-	41	-	2.08
2	2005	23		-	
3	2009	4		2.08	

HEMAVATHY

State: Karnataka	District: Hassan	River: Hemavathy
Year of 1st Impoundment: 1979	MDDL: 872.34 m	FRL: 890.63 m
Year of Last Survey: 2009	Catchment Area: 2810.00 Sq.km	Latitude: 12.81
Longitude: 76.03	Reservoir Area at FRL: 91.62 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1979	-	-	1050.63	1012.6	38.03	-	-	-
2	2005	CWC (RS)	26	-	857.07	-	-	-	-
3	2009	St.Govt. (HS)	30	974.5	920.81	53.69	76.13	76.13	7.25

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 30 Years (Th.Cum/SqKm/yr)
1	1979	-	44	-	0.90
2	2005	26		-	
3	2009	4		0.90	

HIPPARGI

State: Karnataka	District: Bagalkot	River: Krishna
Year of 1st Impoundment: 1998	MDDL: 517.47 m	FRL: 524.87 m
Year of Last Survey: 2007	Catchment Area: 22699.00 Sq. km	Latitude: 16.53
Longitude: 75.16	Reservoir Area at FRL: 29.92 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1998	-	-	99.74	68.35	31.39	-	-	-
2	2007	St.Govt. (HS)	9	96.17	67.00	29.17	3.57	3.57	3.58

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 9 Years (Th.Cum/SqKm/yr)
1	1998	-	25	-	0.02
2	2007	9		0.02	

KABINI

State: Karnataka	District: Mysore	River: Kabini
Year of 1st Impoundment: 1974	MDDL: 690.67 m	FRL: 696.16 m
Year of Last Survey: 2018	Catchment Area: 2141.90 Sq.km	Latitude: 11.97
Longitude: 76.35	Reservoir Area at FRL: 61.34 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1974	-	-	552.63	443.63	109	-	-	-
2	2010	St.Govt. (HS)	36	529.57	457.14	72.43	23.06	23.06	4.17
3	2018	CWC (RS)	44	-	430.199	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 36 Years (Th.Cum/SqKm/yr)
1	1974	-	49	-	0.30
2	2010	36		0.30	
3	2018	8		-	-

KADRA

State: Karnataka	District: Uttara Kannada	River: Kali
Years of 1st Impoundment: 1997	MDDL: 27.00 m	FRL: 34.50 m
Year of Last Survey: 2022	Catchment Area: 433.00 Sq.km.	Latitude: 14.89
Longitude: 74.37	Reservoir Area at FRL: 34.75 Sq. km.	

Survey Details

S. No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1997	-	-	388.92	209.06	179.86	-	-	-
2.	2022	CWC (HS)	25	372.76	209.15	163.62	16.16	16.16	4.16

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 25 years (Th.Cum/Sqkm/yr)
1.	1997	-	26	-	1.49
2.	2022	25		1.49	

KARANJA

State: Karnataka	District: NA	River: Karanja
Year of 1st Impoundment: 1989	MDDL: 322.50 m	FRL: 332.537 m
Year of Last Survey: 2019	Catchment Area: 2025.38 Sq.Km.	Latitude: 17.89
Longitude: 77.31	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1989	-		217.66	207.05	10.61			
2	2019	CWC (RS)	30	-	222.24	-	-15.19	-15.19	-7.34

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 30 years (Th.Cum/SqKm/yr)
1	1989	-	34	-	-
2	2019	30		-	

KODASALLI

State: Karnataka	District : NA	River: Kali
Year of 1st Impoundment: 1999	MDDL: NA	FRL: NA
Year of Last Survey: 2009	Catchment Area: 1049 .0 Sq.km	Latitude: 14.93
Longitude: 74.53	Reservoir Area at FRL: 17.14 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1999	-	-	286.49	178.82	107.67	-	-	-
2	2009	CWC (RS)	10	-	157.89	-	20.93	20.93	11.70

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 10 Years (Th.Cum/SqKm/yr)
1	1999	-	24	-	2.00*
2	2009	10		2.0	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

KRISHNARAJA SAGAR

State: Karnataka	District: Mandya	River: Cauvery
Year of 1st Impoundment: 1932	MDDL: 737.01 m	FRL: 752.49 m
Year of Last Survey: 2009	Catchment Area: 10620.00 Sq.km	Latitude: 12.42
Longitude: 76.57	Reservoir Area at FRL: 131.00 Sq.km	

Survey Details

S. No.	Year of Survey	Source of Data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1932	-	-	1400.31	1275.69	124.62	-	-	-
2	1990	St.Govt. (HS)	58	1348.2	1262.35	85.85	52.11	52.11	3.72
3	2000	CWC (RS)	68	-	1215.94	-	-	-	-
4	2009	St.Govt. (HS)	77	1306.4	1217.28	89.12	41.8	93.91	6.71

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 77 Years (Th.Cum/SqKm/yr)
1	1932	-	91	-	0.11
2	1990	58		0.09	
3	2000	10		-	
4	2009	9		0.21	

LINGANAMAKKI

State: Karnataka	District: Shimoga	River: Sharavathi
Year of 1st Impoundment: 1964	MDDL: 522.73 m	FRL: 554.43 m
Year of Last Survey: 2021	Catchment Area: 1991.71 Sq. km	Latitude: 14.18
Longitude: 74.85	Reservoir Area at FRL: 317.28 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1963	-	-	4435.35	4294.04	141.31	-	-	-
2	1999	St.Govt. (HS)	36	4263.52	4198.96	64.56	171.83	171.83	3.87
3	2021	CWC (HS)	58	3959.81	3893.58	66.23	303.71	475.54	10.72

Sedimentation Details

S.No.	Year of Survey	Year of elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 58 years (Th.Cum/SqKm/yr)
1	1963	-	60	-	4.12
2	1999	36		2.40	
3	2021	22		6.93	

MALAPRABHA

State: Karnataka	District: Belgaon	River: Malaprabha
Year of 1st Impoundment: 1981	MDDL: 619.35 m	FRL: 633.8 m
Year of Last Survey: 2005	Catchment Area: 2176.00 Sq. km	Latitude: 15.75
Longitude: 74.85	Reservoir Area at FRL: 130.17 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1981	-	-	1239.66	1106.66	133	-	-	-
2	1991	St.Govt. (HS)	10	1161.08	1072.08	88.64	78.58	78.58	6.34
3	2005	CWC (RS)	24	-	977.14	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 10 Years (Th.Cum/SqKm/yr)
1	1981	-	42	-	3.61
2	1991	10		3.61	
3	2005	14		-	-

MANI

State: Karnataka	District: Shimoga	River: Varahi
Years of 1st Impoundment: 1989	MDDL: 565.10 m	FRL: 594.36 m
Year of Last Survey: 2021	Catchment Area: 163.16 Sq.Km.	Latitude: 13.68
Longitude: 75.05	Reservoir Area at FRL: 56.00 Sq.km	

Survey Details

S. No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1989	-	-	961.75	883.80	77.95	-	-	-
2.	2021	CWC (HS)	32	890.27	822.45	67.82	71.48	71.48	7.43

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 32 years (Th.Cum/Sqkm/yr)
1.	1989	-	34	-	13.69
2.	2021	32		13.69	

NUGU

State: Karnataka	District: Mysore	River: Nugu
Year of 1st Impoundment: 1959	MDDL: 709.57 m	FRL: 725.42 m
Year of Last Survey: 2009	Catchment Area: 984.00Sq.km	Latitude: 11.98
Longitude: 76.44	Reservoir Area at FRL: 14.13 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1959	-	-	154.06	129.94	24.12	-	-	-
2	2009	CWC (RS)	60	-	121.56	-	8.38	8.38	6.45

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 60 Years (Th.Cum/SqKm/yr)
1	1959	-	64	-	0.17*
2	2009	50		-	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

SAVEHAKALU

State: Karnataka	District: Shimoga	River: Savehaklu
Years of 1st Impoundment: 1980	MDDL: 573 m	FRL: 582 m
Year of Last Survey: 2022	Catchment Area: 48.11 Sq.Km.	Latitude: 13.76
Longitude: 75.00	Reservoir Area at FRL: 9.40 Sq.km	

Survey Details

S. No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1980	-	-	124.97	66.97	58.00	-	-	-
2.	2022	CWC (HS)	42	118.10	65.46	52.64	6.87	6.87	5.50

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 42 years (Th.Cum/Sqkm/yr)
1.	1980	-	43	-	3.40
2.	2022	42		3.40	

SUPA

State: Karnataka	District : Uttara Kannada	River: Kali river
Year of 1st Impoundment: 1987	MDDL: 513.50 m	FRL: 564.00 m
Year of Last Survey: 2022	Catchment Area: 1057 Sq.km	Latitude: 15.28
Longitude: 74.53	Reservoir Area at FRL: 122.48 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1987	-	-	4178	3758.4	419.6	-	-	-
2	2005	CWC (RS)	18	-	2669.16	-	-	-	-
3	2022	CWC (HS)	35	4054.21	3691.99	36.22	123.79	123.79	2.96

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 35 years (Th.Cum/SqKm/yr)
1	1987	-	36	-	3.35
2	2005	18		-	
3	2022	17		3.16	

TALAKALALE

State: Karnataka	District: Shimoga	River: Sharavathi
Years of 1st Impoundment: 1964	MDDL: 520.59 m	FRL: 522.12 m
Year of Last Survey: 2021	Catchment Area: 46.62 Sq.km.	Latitude: 14.19
Longitude: 74.78	Reservoir Area at FRL: 9.35	

Survey Details

S. No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1964	-	-	129.65	13.90	115.75	-	-	-
2.	2021	CWC (HS)	57	124.87	13.98	110.89	4.78	4.78	3.69

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 57 years (Th.Cum/Sqkm/yr)
1.	1989	-	59	-	1.80
2.	2021	57		1.80	

TATTIHALLA

State: Karnataka	District: Uttara Kannada	River: Tattihalla
Years of 1st Impoundment: 1980	MDDL: 449.6 m	FRL: 468.30 m
Year of Last Survey: 2022	Catchment Area: 1165 Sq.Km.	Latitude: 15.13
Longitude: 74.79	Reservoir Area at FRL: 25.37 Sq.km	

Survey Details

S. No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1980	-	-	264.03	249.26	14.77	-	-	-
2.	2022	CWC (HS)	43	243.50	233.23	10.27	20.53	20.53	7.78

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 43 years (Th.Cum/Sqkm/yr)
1.	1980	-	44	-	0.42
2.	2022	43		0.42	

TUNGABHADRA

State: Karnataka	District: Koppal	River: Tungabhadra
Year of 1st Impoundment: 1953	MDDL: 482.19 m	FRL: 497.74 m
Year of Last Survey: 2008	Catchment Area: 28180.00 Sq.km	Latitude: 15.26
Longitude: 76.33	Reservoir Area at FRL: 378.00 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1953	-	-	3751.17	3718.34	32.83	-	-	-
2	1963	St.Govt. (HS)	10	3246.79	3239.75	7.04	504.38	504.38	13.45
3	1972	-do	19	3428.6	3426.53	2.07	-181.81	322.57	8.60
4	1978	-do	25	3332.75	3332.75	0	95.85	418.42	11.15
5	1981	-do-	28	3275.68	3275.68	0	57.07	475.49	12.68
6	1985	-do-	32	3166.74	3166.74	0	108.94	584.43	15.58
7	1993	-do-	40	3157.53	3157.53	0	9.21	593.64	15.83
8	1995	CWC (RS)	42	-	2817.01	-	-	-	-
9	2000	-do-	47	-	2740.58	-	-	-	-
10	2004	St.Govt. (HS)	51	2954.58	2954.58	0	202.95	796.59	21.24
11	2008	-do-	55	2855.89	2855.89	0	98.69	895.28	23.87

Sedimentation Details

S.No.	Year of Survey	Year of elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 55 Years (Th.Cum/SqKm/yr)
1	1953	-	70	-	0.58
2	1963	10		1.79	
3	1972	9		-	
4	1978	6		0.57	
5	1981	3		0.68	
6	1985	4		0.97	
7	1993	8		0.04	
8	1995	2		-	
9	2000	5		-	
10	2004	4		0.65	
11	2008	4		0.88	

VANI VILAS SAGAR

State: Karnataka	District: Chitradurga	River: Vedavathi
Year of 1st Impoundment: 1901	MDDL: 18.29 m	FRL: 39.62 m
Year of Last Survey: 2022	Catchment Area: 1554.00 Sq. km	Latitude: 13.87
Longitude: 76.47	Reservoir Area at FRL: 87.63 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1901	-	-	850.30	802.50	47.80	-	-	-
2	2022	St. Govt. (HS)	121	833.83	802.13	31.70	16.47	16.47	1.94

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 121 years (Th.Cum/SqKm/yr)
1	1901	-	122	-	0.09
2	2022	121		0.09	

ANIYARANKAL

State: Kerala	District: Idukki	River: Panniar
Year of 1st Impoundment: 1964	MDDL: 1188.10 m	FRL: 1207.01 m
Year of Last Survey: 1997	Catchment Area: 65.68 Sq. km	Latitude: 10.02
Longitude: 77.21	Reservoir Area at FRL: 4.86 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1964	-	-	49.84	-	-	-	-	-
2	1997	St.Govt. (HS)	33	34.43	-	-	15.41	15.41	30.92

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 33 Years (Th.Cum/SqKm/yr)
1	1964	-	59	-	7.11
2	1997	33		7.11	

CHULLIAR

State: Kerala	District: Palakkad	River: Bharatpuzha
Year of 1st Impoundment: 1966	MDDL: 136.55 m	FRL: 154.08 m
Year of Last Survey: 2009	Catchment Area: 27.80 Sq. km	Latitude: 10.59
Longitude: 76.77	Reservoir Area at FRL: 1.65 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1966	-	-	13.70	13.67	0.03	-	-	-
2	1994	St.Govt (HS)	28	10.60	-	-	3.10	3.10	22.62
3	2009	-do-	43	13.23	-	-	-2.62	0.48	3.47

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 43 Years (Th.Cum/SqKm/yr)
1	1966	-	57	-	0.40
2	1994	28		3.981	
3	2009	15		-	

IDAMALAYAR

State: Kerala	District: Idukki	River: Idamalayar
Year of 1st Impoundment: 1986	MDDL: 115.00 m	FRL: 169.00 m
Year of Last Survey: 2023	Catchment Area: 375.00 Sq. km	Latitude: 10.23
Longitude: 76.70	Reservoir Area at FRL: 29.42 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2011	CWC (HS)	Survey data	1176.19	1135.23	40.96	-	-	-
2	2018	CWC (RS)	7	-	1117.93	-	-	-	-
3	2023	CWC (HS)	12	1144.90	1107.75	37.15	31.29	31.29	2.66

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 12 Years (Th.Cum/SqKm/yr)
1	2011	-	37	-	6.95
2	2018	7		-	
3	2023	5		6.95	

IDUKKI

State: Kerala	District: Idukki	River: Periyar
Year of 1st Impoundment: 1976	MDDL: 694.94 m	FRL: 732.43 m
Year of Last Survey: 2023	Catchment Area: 668.83 Sq. km	Latitude: 9.84
Longitude: 76.97	Reservoir Area at FRL: 52.91 Sq.km	

Survey Details

S. No.	Year of Survey	Source of Data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1976	-	-	1998.57	1461.60	536.97	-	-	-
2	1999	CWC (HS)	23	1972.72	1453.04	519.68	25.85	25.85	1.29
3	2003	CWC (RS)	27	-	1464.39	-	-	-	-
4	2019	-do-	43	-	1449.91	-	-	-	-
5	2023	CWC (HS)	47	1891.69	1400.47	491.22	81.03	106.88	5.35

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 47 Years (Th.Cum/SqKm/yr)
1	1974	-	47	-	3.40
2	1999	23		1.68	
3	2003	4		-	
4	2019	16		-	
5	2023	4		5.05	

KAKKI

State: Kerala	District: Pathanamthitta	River: Kakki
Year of 1st Impoundment: 1966	MDDL: 908.30 m	FRL: 981.46 m
Year of Last Survey: 2023	Catchment Area: 214.50 Sq. km	Latitude: 9.33
Longitude: 77.14	Reservoir Area at FRL: 16.96 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1966	-	-	454.14	446.53	7.61	-	-	-
2	1999	CWC (HS)	33	428.78	420.98	7.80	25.36	25.36	5.58
3	2019	CWC (RS)	53	-	409.18	-	-	-	-
4	2023	CWC (HS)	57	418.80	414.82	3.98	9.98	35.34	7.78

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 57 Years (Th.Cum/SqKm/yr)
1	1966	-	57	-	2.89
2	1999	33		3.57	
3	2019	20		-	
4	2023	4		1.94	

KALLADA

State: Kerala	District: Kollam	River: Kallada
Year of 1st Impoundment: 1986	MDDL: 70.25 m	FRL: 115.82 m
Year of Last Survey: 2018	Catchment Area: 549.00 Sq. km	Latitude: 8.95
Longitude: 77.07	Reservoir Area at FRL: 23.00 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1986	-	-	577.25	507.00	70.25	-	-	-
2	2003	CWC (RS)	17	-	376.71	-	-	-	-
3	2018	St.Govt (HS)	32	407.39	407.30	0.09	169.86	169.86	29.43

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 32 Years (Th.Cum/SqKm/yr)
1	1986	-	37	-	9.67
2	2003	17		-	
3	2018	15		9.67	

KALLARKUTTY

State: Kerala	District: Idukki	River: Mudirapuzha
Year of 1st Impoundment: 1962	MDDL: 445.91m	FRL: 456.59m
Year of Last Survey: 1992	Catchment Area: 759.85 Sq. km	Latitude: 9.98
Longitude: 77.00	Reservoir Area at FRL: 0.65 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1962	-	-	6.80	-	-	-	-	-
2	1992	St.Govt. (HS)	30	6.05	-	-	0.75	0.75	11.00

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 30 Years (Th.Cum/SqKm/yr)
1	1962	-	61	-	0.03
2	1992	30		0.03	

KANJIRAPUZHA

State: Kerala	District: Palakkad	River: Kanjirapuzha
Year of 1st Impoundment: 1980	MDDL: 77.40 m	FRL: 97.50 m
Year of Last Survey: 2017	Catchment Area: 70.00 Sq. km	Latitude: 10.98
Longitude: 76.53	Reservoir Area at FRL: 5.15 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1980	-	-	70.87	69.23	1.60	-	-	-
2	2017	St.Govt. (HS)	37	49.16	48.27	0.89	21.71	21.71	30.64

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 37 Years (Th.Cum/SqKm/yr)
1	1980	-	43	-	8.38
2	2017	37		8.38	

KARAPUZHA

State: Kerala	District: Wayanad	River: Karapuzha
Year of 1st Impoundment: 2005	MDDL: 748.00 m	FRL: 763.00 m
Year of Last Survey: 2016	Catchment Area: 62.00 Sq. km	Latitude: 11.62
Longitude: 76.17	Reservoir Area at FRL: 8.55 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2005	-	-	76.50	72.00	4.50	-	-	-
2	2016	St.Govt (HS)	11	34.71	31.77	2.94	41.79	41.79	54.63

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 11 Years (Th.Cum/SqKm/yr)
1	2005	-	18	-	61.28
2	2016	11		61.28	

KUNDALA

State: Kerala	District: Idukki	River: Palar
Year of 1st Impoundment: 1948	MDDL: 1735.64 m	FRL: 1758.70 m
Year of Last Survey: 1994	Catchment Area: 37.55 Sq. km	Latitude: 10.14
Longitude: 77.20	Reservoir Area at FRL: 0.47 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1948	-	-	7.79	-	-	-	-	-
2	1994	St.Govt (HS)	46	6.528	-	-	1.26	1.26	16.20

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 46 Years (Th.Cum/SqKm/yr)
1	1948	-	75	-	0.73
2	1994	46		0.73	

KUTTIYADI

State: Kerala	District: Kozhikode	River: Kuttiyadi
Year of 1st Impoundment: 1973	MDDL: 25.52 m	FRL: 44.41 m
Year of Last Survey: 2010	Catchment Area: 108.78 Sq. km	Latitude: 11.59
Longitude: 75.83	Reservoir Area at FRL: 2.79 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1973	-	-	120.52	113.44	7.08	-	-	-
2	2010	St.Govt (HS)	37	91.87	90.56	1.32	28.65	28.65	23.77

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 37 Years (Th.Cum/SqKm/yr)
1	1973	-	50	-	7.12
2	2010	37		7.12	

MADUPETTY

State: Kerala	District: Idukki	River: Palar
Year of 1st Impoundment: 1967	MDDL: 1554.48 m	FRL: 1599.59 m
Year of Last Survey: 1995	Catchment Area: 104.90 Sq. km	Latitude: 10.11
Longitude: 77.13	Reservoir Area at FRL: 3.24 Sq.km	

Survey Details

S. No.	Year of Survey	Source of Data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1967	-	-	55.22	-	-	-	-	-
2	1995	St.Govt (HS)	28	48.79	-	-	6.43	6.43	11.65

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 28 Years (Th.Cum/SqKm/yr)
1	1967	-	56	-	2.19
2	1995	28		2.19	

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MALAMPUZHA

State: Kerala	District: Palakkad	River: Bharathapuzha
Year of 1st Impoundment: 1955	MDDL: 91.44 m	FRL: 115.06 m
Year of Last Survey: 2006	Catchment Area: 147.64 Sq. km	Latitude: 10.84
Longitude: 76.69	Reservoir Area at FRL: 24.83 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1955	-	-	226.00	213.60	2.40	-	-	-
2	1977	St.Govt (HS)	22	220.15	-	-	5.85	5.85	2.588
3	1990	-do-	35	208.13	-	-	12.02	17.87	7.907
4	2005	CWC (RS)	50	-	203.95	-	-	-	-
5	2006	St.Govt (HS)	51	195.33	195.12	0.21	12.80	30.67	13.57

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 51 Years (Th.Cum/SqKm/yr)
1	1955	-	68	-	4.07
2	1977	22		1.80	
3	1990	13		6.62	
4	2005	15		-	
5	2006	1		5.42	

MANGALAM

State: Kerala	District: Palakkad	River: Cherukunnappuzha
Year of 1st Impoundment: 1966	MDDL: 68.00 m	FRL: 77.88 m
Year of Last Survey: 2015	Catchment Area: 48.85 Sq. km	Latitude: 10.51
Longitude: 76.53	Reservoir Area at FRL: 3.96 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1966	-	-	25.49	25.34	0.15	-	-	-
2	1985	St.Govt (HS)	19	16.50	-	-	8.99	8.99	35.23
3	2008	-do-	42	20.30	-	-	-3.80	5.19	20.36
4	2015	-do-	49	19.89	19.85	0.04	0.41	5.60	21.97

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 49 Years (Th.Cum/SqKm/yr)
1	1966	-	57	-	2.34
2	1985	19		9.69	
3	2008	23		-	
4	2015	7		1.20	

MEENKARA

State: Kerala	District: Palakkad	River: Bharathpuzha
Year of 1st Impoundment: 1960	MDDL: 143.64 m	FRL: 156.36 m
Year of Last Survey: 2009	Catchment Area: 90.65 Sq. km	Latitude: 10.62
Longitude: 76.80	Reservoir Area at FRL: 2.50 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1960	-	-	11.33	10.33	1.00	-	-	-
2	1989	St.Govt (HS)	29	8.135	-	-	3.20	3.20	28.20
3	2009	-do-	49	9.846	9.253	0.593	-1.71	1.48	13.10

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 49 Years (Th.Cum/SqKm/yr)
1	1960	-	63	-	0.33
2	1989	29		1.22	
3	2009	20		-	

NEYYAR

State: Kerala	District: Thiruvananthapuram	River: Neyyar
Year of 1st Impoundment: 1964	MDDL: 56.60 m	FRL: 84.734 m
Year of Last Survey: 2015	Catchment Area: 139.86 Sq. km	Latitude: 8.54
Longitude: 77.15	Reservoir Area at FRL: 9.10 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1964	-	-	106.25	95.73	10.52	-	-	-
2	2011	St.Govt (HS)	47	88.66	86.39	2.27	17.59	17.59	16.55
3	2015	-do-	51	97.35	95.08	2.27	-8.69	8.91	8.38

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 51 Years (Th.Cum/SqKm/yr)
1	1964	-	59	-	1.25
2	2011	47		2.68	
3	2015	4		-	

PARAMBIKULAM

State: Kerala	District: Palakkad	River: Parambikulam
Year of 1st Impoundment: 1967	MDDL: N.A	FRL: 556.26 m
Year of Last Survey: 2013	Catchment Area: 230.50 Sq. km	Latitude: 10.39
Longitude: 76.77	Reservoir Area at FRL: 20.72 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1967	-	-	504.66	379.71	124.95	-	-	-
2	2005	CWC (RS)	38	-	373.66	-	-	-	-
3	2013	St.Govt (HS)	46	442.30	-	-	62.36	62.36	12.36

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 46 Years (Th.Cum/SqKm/yr)
1	1967	-	56	-	5.88
2	2005	38		-	
3	2013	8		5.88	

PAZHASSY

State: Kerala	District: Kannur	River: Pazhassi
Year of 1st Impoundment: 1979	MDDL: 23.80 m	FRL: 26.52 m
Year of Last Survey: 2016	Catchment Area: 640.00 Sq. km	Latitude: 11.98
Longitude: 75.61	Reservoir Area at FRL: 6.50 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1979	-	-	97.50	97.50	0.27	-	-	-
2	2016	St.Govt. (HS)	37	48.97	46.88	2.09	48.53	48.53	49.77

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 37 Years (Th.Cum/SqKm/yr)
1	1979	-	44	-	2.05
2	2016	37		2.05	

PEECHI

State: Kerala	District: Thrissur	River: Manali
Year of 1st Impoundment: 1957	MDDL: 53.34 m	FRL: 79.25 m
Year of Last Survey: 2013	Catchment Area: 107.10 Sq. km	Latitude: 10.53
Longitude: 76.37	Reservoir Area at FRL: 12.95 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1957	-	-	110.43	108.15	2.28	-	-	-
2	1982	St.Govt. (HS)	25	87.62	-	-	22.81	22.81	20.66
3	1995	-do-	38	79.61	-	-	8.01	30.82	27.91
4	2004	-do-	47	96.414	-	-	-16.80	14.11	12.69
5	2013	-do-	56	94.95	94.21	0.74	1.46	15.48	14.02

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 56 Years (Th.Cum/SqKm/yr)
1	1957	-	66	-	2.58
2	1982	25		5.82	
3	1995	13		5.75	
4	2004	9		-	
5	2013	9		16.15	

PONMUDI

State: Kerala	District: Idukki	River: Panniyar
Year of 1st Impoundment: 1962	MDDL: N.A	FRL: N.A
Year of Last Survey: 1992	Catchment Area: 220.52 Sq. km	Latitude: 9.96
Longitude: 77.06	Reservoir Area at FRL: 2.79 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1962	-	-	51.54	-	-	-	-	-
2	1992	St.Govt. (HS)	30	40.46	-	-	11.08	11.08	21.50

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 30 Years (Th.Cum/SqKm/yr)
1	1962	-	61	-	1.67
2	1992	30		1.67	

POOMALA

State: Kerala	District: Thrissur	River: Panniyar
Year of 1st Impoundment: 1968	MDDL: N.A	FRL: 92.96 m
Year of Last Survey: 2010	Catchment Area: 1.17 Sq. km	Latitude: 10.60
Longitude: 76.24	Reservoir Area at FRL: 0.13 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1968	-	-	0.58	-	-	-	-	-
2	2010	St.Govt. (HS)	42	0.569	-	-	0.01	0.01	1.90

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 42 Years (Th.Cum/SqKm/yr)
1	1968	-	55	-	0.22
2	2010	42		0.22	

PORINNAGALKUTHU

State: Kerala	District: Thrissur	River: Chalakudi
Year of 1st Impoundment: 1957	MDDL: 405.69 m	FRL: 423.98 m
Year of Last Survey: 1993	Catchment Area: 512.00 Sq. km	Latitude: 10.31
Longitude: 76.64	Reservoir Area at FRL: 2.85 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1957	-	-	31.99	-	-	-	-	-
2	1993	St.Govt. (HS)	36	23.83	-	-	8.16	8.16	25.50

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 36 Years (Th.Cum/SqKm/yr)
1	1957	-	66	-	0.44
2	1993	36		0.44	

POTHUNDY

State: Kerala	District: Palakkad	River: Bharathpuzha
Year of 1st Impoundment: 1971	MDDL: 91.44 m	FRL: 108.204 m
Year of Last Survey: 2009	Catchment Area: 31.00 Sq. km	Latitude: 10.54
Longitude: 76.63	Reservoir Area at FRL: 4.14 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1971	-	-	50.914	43.90	7.01	-	-	-
2	1987	St.Govt (HS)	16	49.935	-	-	0.98	0.98	1.92
3	2009	-do-	38	49.109	42.875	6.234	0.83	1.81	3.55

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 38 Years (Th.Cum/SqKm/yr)
1	1971	-	52	-	1.53
2	1987	16		1.97	
3	2009	22		2.53	

SIRUVANI

State: Kerala	District: Palakkad	River: Siruvani
Year of 1st Impoundment: 1984	MDDL: 863.00 m	FRL: 878.50 m
Year of Last Survey: 2012	Catchment Area: 22.47 Sq. km	Latitude: 10.98
Longitude: 76.64	Reservoir Area at FRL: 1.64 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1984	-	-	25.50	18.42	7.08	-	-	-
2	2012	St.Govt. (HS)	28	22.56	17.99	4.57	2.94	2.94	11.53

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operation As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 28 Years (Th.Cum/SqKm/yr)
1	1984	-	39	-	4.67
2	2012	28		4.67	

VAZHANI

State: Kerala	District: Thrissur	River: Wadakkanchery
Year of 1st Impoundment: 1959	MDDL: 45.72 m	FRL: 62.48 m
Year of Last Survey: 2009	Catchment Area: 20.48 Sq. km	Latitude: 10.63
Longitude: 76.31	Reservoir Area at FRL: 1.82 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1959	-	-	18.12	16.65	1.47	-	-	-
2	2009	St.Govt. (HS)	50	17.12	16.69	0.43	1.00	1.00	5.54

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 50 Years (Th.Cum/SqKm/yr)
1	1959	-	64	-	0.98
2	2009	50		0.98	

WALAYAR

State: Kerala	District: Palakkad	River: Bharathpuzha
Year of 1st Impoundment: 1956	MDDL: 182.58 m	FRL: 203.00 m
Year of Last Survey: 2009	Catchment Area: 106.36 Sq. km	Latitude: 10.84
Longitude: 76.84	Reservoir Area at FRL: 2.59 Sq.km	

Survey Details

S. No.	Year of Survey	Source of Data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1956	-	-	18.40	15.19	3.21	-	-	-
2	2009	St.Govt. (HS)	53	16.03	14.45	1.58	2.37	2.37	12.89

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 53 Years (Th.Cum/SqKm/yr)
1	1956	-	67	-	0.42
2	2009	53		0.42	

BAHORIBAND

State: Madhya Pradesh	District: Katni	River: Bhuta Nalla
Year of 1st Impoundment: 1927	MDD: 148.74 m	FRL: 158.18 m
Year of Last Survey: 2022	Catchment Area: 108.76 Sq.Km.	Latitude: 23.69
Longitude: 80.10	Reservoir Area at FRL: 10.70 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1927	-	-	36.98	34.52	2.46	-	-	-
2	2022	NCA (HS)	95	33.37	32.84	0.53	3.61	3.61	9.76

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 95 years (Th.Cum/SqKm/yr)
1	1927	-	96	-	0.35
2	2022	95		0.35	

BARGI

State: Madhya Pradesh	District : Jabalpur	River: Narmada
Year of 1st Impoundment: 1990	MDDL: NA	FRL: 422.76 m
Year of Last Survey: 2008	Catchment Area: 14556.00 Sq.km	Latitude: 22.94
Longitude: 79.92	Reservoir Area at FRL: NA	

Survey Details

S. No .	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	%Cumulative
1	1990	-	-	4059.69	3238.44	821.25	-	-	-
2	2008	CWC (RS)	18	-	3129.11	-	109.33	109.33	3.38

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 18 Years (Th.Cum/SqKm/yr)
1	1990	-	33	-	0.42*
2	2008	18		0.42	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

BARNA

State: Madhya Pradesh	District : Raisen	River: Barna
Year of 1st Impoundment: 1975	MDDL: 338.10 m	FRL: 348.55 m
Year of Last Survey: 2023	Catchment Area: 1176.00 Sq.km.	Latitude: 23.05
Longitude: 78.06	Reservoir Area at FRL: 70.41 Sq.km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	%Cumulative
1	1975	-	-	539.10	455.90	83.20	-	-	-
2	2017	CWC (RS)	42	-	401.75	-	-	-	-
3	2023	CWC (HS)	48	452.86	393.44	59.42	86.24	86.24	16.00

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation in For 48 years (Th.Cum/SqKm/yr)
1	1975	-	48	-	1.53
2	2017	42		-	
3	2023	6		1.53	

CHANDRAKESHAR

State: Madhya Pradesh	District: Devas	River: Chandrakeshar
Year of 1st Impoundment: 1976	MDD: 357.84 m	FRL: 367.28 m
Year of Last Survey: 2022	Catchment Area: 111.37 Sq.Km.	Latitude: 22.62
Longitude: 76.55	Reservoir Area at FRL: 5.22 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1976	-	-	30.08	28.49	1.59	-	-	-
2	2022	NCA (HS)	44	26.27	25.78	0.49	3.81	3.81	12.66

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 44 years (Th.Cum/SqKm/yr)
1	1976	-	47	-	0.74
2	2022	46		0.74	

DEJLA DEWADA

State: Madhya Pradesh	District: Khargone	River: Kunda
Year of 1st Impoundment: 1988	MDDL: 369.56 m	FRL: 383.20 m
Year of Last Survey: 2022	Catchment Area: 335.40 Sq.Km.	Latitude: 21.59
Longitude: 75.63	Reservoir Area at FRL: 6.25 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1988	-	-	56.35	50.29	6.06	-	-	-
2	2022	NCA (HS)	34	51.34	49.99	1.36	5.01	5.01	8.88

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 34 years (Th.Cum/SqKm/yr)
1	1988	-	35	-	0.44
2	2022	34		0.44	

GANDHI SAGAR

State: Madhya Pradesh	District: Mandsaur	River: Chambal
Year of 1st Impoundment: 1960	MDDL: 381.00 m	FRL: 400.00 m
Year of Last Survey: 2024	Catchment Area: 23025.00 Sq. km	Latitude: 24.70
Longitude: 75.55	Reservoir Area at FRL: 664.78 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1960	-	-	7746.00	6910.00	836.00	-	-	-
2	1975	St. Govt. (HS)	15	7413.00	6827.00	586.00	333.00	333.00	4.3
3	1989	-do-	29	7323	6798	525	90	423	5.46
4	2001	CWC (HS)	41	7226.15	6668.74	557.41	96.85	519.85	6.71
5	2015	CWC (RS)	55	-	6513.21	-	-	-	-
6	2024	CWC (HS)	64	6899.80	6412.09	487.71	326.35	846.20	10.92

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 64 Years (Th.Cum/SqKm/yr)
1	1960	-	63	-	0.57
2	1975	15		0.96	
3	1989	14		0.28	
4	2001	12		0.35	
5	2015	14		-	

6	2024	9		0.62	

HARSI

State: Madhya Pradesh	District: Gwalior	River: Parwati
Year of 1st Impoundment: 1935	MDDL: 252.07 m	FRL: 264.93 m
Year of Last Survey: 2023	Catchment Area: 828.00 Sq. km	Latitude: 25.75
Longitude: 77.92	Reservoir Area at FRL: 23.86 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1935	-	-	206.30	192.66	13.64	-	-	-
2	2007	CWC (RS)	72	-	171.02	-	-	-	-
3	2023	CWC (HS)	88	178.52	172.36	6.17	27.78	27.78	13.47

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 88 years (Th.Cum/SqKm/yr)
1	1935	-	88	-	0.38
2	2007	72		-	
3	2023	16		0.38	

JOBAT

State: Madhya Pradesh	District: Jhabua	River: Jobat
Year of 1st Impoundment: 2007	MDDL: 251.00 m	FRL: 260.17 m
Year of Last Survey: 2022	Catchment Area: 792.00 Sq.Km.	Latitude: 22.28
Longitude: 74.59	Reservoir Area at FRL: 13.10 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2007	-	-	77.84	70.04	7.80	-	-	-
2	2022	NCA (HS)	15	87.24	69.99	17.25	-9.40	-9.40	-12.07

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 15 years (Th.Cum/SqKm/yr)
1	2007	-	16	-	-
2	2022	15		-	

KOLAR

State: Madhya Pradesh	District : Nagpur	River: Kolar
Year of 1st Impoundment: 1988	MDDL: NA	FRL: 462.20 m
Year of Last Survey: 2006	Catchment Area: 759.0 Sq.km	Latitude: 22.96
Longitude: 77.32	Reservoir Area at FRL: 23.80 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1988	-	-	270	265.00	5	-	-	-
2	2006	CWC (RS)	18	-	286.66	-	-21.66	-21.66	-8.17

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 18 Years (Th.Cum/SqKm/yr)
1	1988	-	35	-	-
2	2006	18		-	

MAN

State: Madhya Pradesh	District: Dhar	River: Man
Year of 1st Impoundment: 2007	MDDL: 322.5 m	FRL: 332.537 m
Year of Last Survey: 2022	Catchment Area: 690.00 Sq.Km.	Latitude: 22.42
Longitude: 75.11	Reservoir Area at FRL: 11.11 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2007	-	-	147.64	129.48	18.16	-	-	-
2	2022	NCA (HS)	15	122.91	112.77	10.14	24.73	24.73	16.75

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 15 years (Th.Cum/SqKm/yr)
1	2007	-	16	-	2.39
2	2022	15		2.39	

MATYARI

State: Madhya Pradesh	District: Mandla	River: Matiyari
Year of 1st Impoundment: 1986	MDD: 484.940 m	FRL: 497.430 m
Year of Last Survey: 2022	Catchment Area: 158.75 Sq.Km.	Latitude: 22.51
Longitude: 80.60	Reservoir Area at FRL: 6.79 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1986	-	-	56.80	51.12	5.68	-	-	-
2	2022	NCA (HS)	36	61.74	56.30	5.45	-4.94	-4.94	-8.70

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 36 years (Th.Cum/SqKm/yr)
1	1986	-	37	-	-
2	2022	36		-	

MOHINI PICK UP WEIR

State: Madhya Pradesh	District: Shivpuri	River: Sind
Years of 1st Impoundment: 1989	MDDL: 263.86 m	FRL: 276.25 m
Year of Last Survey: 2023	Catchment Area: 469.95 Sq.Km.	Latitude: 25.66
Longitude: 77.85	Reservoir Area at FRL: 16.24 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1989	-	-	108.81	107.11	1.7	-	-	-
2.	2023	CWC (HS)	34	99.00	97.66	1.34	9.81	9.81	9.02

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 34 years (Th.Cum/Sqkm/yr)
1.	1989	-	34	-	0.61
2.	2023	34		0.61	

PAGARA

State: Madhya Pradesh	District : Morena	River: Asan
Year of 1st Impoundment: 1927	MDDL: 188.88 m	FRL: 199.33 m
Year of Last Survey: 2023	Catchment Area: 540.50 Sq.km	Latitude: 26.25
Longitude: 77.81	Reservoir Area at FRL: 12.77 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1927	-	-	120.40	120.40	0	-	-	-
2	2023	CWC (HS)	96	98.87	98.87	0	21.53	21.53	17.88

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 96 years (Th.Cum/SqKm/yr)
1	1927	-	96		0.41
2	2023	96		0.41	

RANGAWAN

State: Madhya Pradesh	District: Chatarpur	River: Ken
Year of 1st Impoundment: 1957	MDDL: N.A	FRL: 233.17 m
Year of Last Survey: 2009	Catchment Area: 828.80 Sq. km	Latitude: 24.68
Longitude: 79.85	Reservoir Area at FRL: 25.90 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1957	-	-	164.24	155.17	9.07	-	-	-
2	2009	CWC (RS)	52	-	161.98	-	-6.81	-6.81	-4.39

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 52 Years (Th.Cum/SqKm/yr)
1	1957	-	66	-	-
2	2009	52		-	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

SAMRAT ASHOK SAGAR (HALALI)

State: Madhya Pradesh	District: Bhopal	River: Halali (Thal)
Year of 1st Impoundment: 1976	MDDL: 448.95 m	FRL: 459.61m
Year of Last Survey: 2023	Catchment Area: 735.00 Sq. km	Latitude: 23.48
Longitude: 77.50	Reservoir Area at FRL: 57.12 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1976	-	-	329.61	303.71	25.90			
2	2003	CWC (RS)	27	-	188.58	-	-	-	-
3	2023	CWC (HS)	47	283.71	273.56	10.14	45.90	45.90	13.93

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 47 years (Th.Cum/SqKm/yr)
1	1976	-	47	-	1.33
2	2003	27		-	
3	2023	20		1.33	

SARTHI

State: Madhya pradesh	District : Junagarh	River: Vartu
Year of 1st Impoundment: 1974	MDDL: NA	FRL: 95.50 m
Year of Last Survey: 1986	Catchment Area: 197.57 Sq.km	Latitude: 21.94
Longitude: 79.98	Reservoir Area at FRL: 3.3 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1974	-	-	10.69	-	-	-	-	-
2	1986	CWC (HS)	12	7.31	-	-	3.38	3.38	31.62

Sedimentation Detailss

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 12 Years (Th.Cum/SqKm/yr)
1	1974	-	49	-	1.43
2	1986	12		1.43	

SUKTA

State: Madhya Pradesh	District: Burhanpur	River: Sukta
Year of 1st Impoundment: 1984	MDDL: NA	FRL: 410.57 m
Year of Last Survey: 2022	Catchment Area: 468.79 Sq.km	Latitude: 21.58
Longitude: 76.27	Reservoir Area at FRL: 12.06 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1984	-	-	89.38	78.06	11.32	-	-	-
2	2006	CWC (RS)	22	-	73.39	-	-	-	-
3	2022	NCA (HS)	38	76.48	69.71	6.77	12.91	12.91	14.44

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation in for 38 Years (Th.Cum/SqKm/yr)
1	1984	-	39	-	0.72
2	2006	22		-	
3	2022	16		0.72	

TAWA

State: Madhya Pradesh	District: Hoshangabad	River: Tawa
Year of 1st Impoundment: 1975	MDDL: 336.80 m	FRL: 355.40 m
Year of Last Survey: 2023	Catchment Area: 5396.00 Sq.km	Latitude: 22.56
Longitude: 77.98	Reservoir Area at FRL: 186.43 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1990	Survey data	-	2311.54	1943.96	367.58	-	-	-
2	2009	CWC (RS)	19	-	1690.33	-	-	-	-
2	2023	CWC (HS)	33	1765.32	1625.32	140.00	546.22	546.22	23.63

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation in For 33 years (Th.Cum/SqKm/yr)
1	1990	-	48	-	3.07
2	2009	19		-	
3	2023	14		3.07	

THANWAR

State: Madhya Pradesh	District: Mandia	River: Thanwe
Year of 1st Impoundment: 1983	MDDL: NA	FRL: 481.10m
Year of Last Survey: 2005	Catchment Area: 417.00 Sq. km	Latitude: 22.60
Longitude: 80.07	Reservoir Area at FRL: 24.67 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1983	-	-	149.89	138.10	11.79	-	-	-
2	2005	CWC (RS)	22	-	129.64	-	8.46	8.46	6.13

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 22 Years (Th.Cum/SqKm/yr)
1	1983	-	40	-	0.92*
2	2005	22		0.92	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

UPPER BEDA

State: Madhya Pradesh	District: Khargone	River: Narmada/Beda
Year of 1st Impoundment: 2010	MDD: 307.00 m	FRL: 317.00 m
Year of Last Survey: 2022	Catchment Area: 523.00 Sq.Km.	Latitude: 21.75
Longitude: 75.97	Reservoir Area at FRL: 12.59 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2010	-	-	91.82	76.24	15.58	-	-	-
2	2022	NCA (HS)	12	69.51	61.66	7.85	22.31	22.31	24.30

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 12 years (Th.Cum/SqKm/yr)
1	2010	-	13	-	3.55
2	2022	12		3.55	

UPPER WAINGANGA

State: Madhya pradesh	District: Seoni	River: Wainganga
Year of 1st Impoundment: 1995	MDDL: NA	FRL: 519.38 m
Year of Last Survey: 2003	Catchment Area: 2007.75 Sq.km	Latitude: 22.38
Longitude: 79.66	Reservoir Area at FRL: 55.36 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1995	-	-	506.66	409.66	97.00	-	-	-
2	2003	CWC (RS)	8	-	393.83	-	15.83	15.83	3.86

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 8 Years (Th.Cum/SqKm/yr)
1	1995	-	28	-	0.99*
2	2003	8		-	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

ADOL

State: Maharashtra	District: Washim	River: Godavari
Year of 1st Impoundment: 1989	MDDL: 506.35 m	FRL: 512.20 m
Year of Last Survey: 2015	Catchment Area: 116.55 Sq. km	Latitude: 20.11
Longitude: 76.97	Reservoir Area at FRL: 3.14 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1989	-	-	15.01	12.89	2.12	-	-	-
2	2015	St. Govt. (RS)	26	-	8.37	-	4.52	4.52	35.07

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 26 Years (Th.Cum/SqKm/yr)
1	1989	-	34	-	1.49*
2	2015	26		1.49	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

ASHTI

State: Maharashtra	District: Solapur	River: Ashti Nalla
Years of 1st Impoundment: 1882	MDDL: 468.05 m	FRL: 472.01 m
Year of Last Survey: 2023	Catchment Area: 238.28 Sq.Km.	Latitude: 17.80
Longitude: 75.43	Reservoir Area at FRL: 11.82 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1882	-	-	41.54	32.54	9.00	-	-	-
2.	2023	CWC (HS)	141	19.12	18.67	0.45	22.42	22.42	53.97

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 141 years (Th.Cum/Sqkm/yr)
1.	1882	-	141	-	0.67
2.	2023	141		0.67	

ASOLAMENDHA

State: Maharashtra	District: Chandrapur	River: Pathari
Year of 1st Impoundment: 1918	MDDL: NA	FRL: NA
Year of Last Survey: 1994	Catchment Area: 246.00 Sq. km	Latitude: 20.22
Longitude: 79.82	Reservoir Area at FRL: 14.81 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1918	-	-	92.96	-	-	-	-	-
2	1987	St. Govt (HS)	69	65.94	-	-	27.02	27.02	29.07
3	1994	-do-	76	62.99	-	-	2.95	29.97	32.24

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 76 Years (Th.Cum/SqKm/yr)
1	1918	-	105	-	1.60
2	1987	69		1.59	
3	1994	7		1.71	

BENDSURA

State: Maharashtra	District: Beed	River: Bendsura
Year of 1st Impoundment: 1955	MDDL: NA	FRL: NA
Year of Last Survey: 1995	Catchment Area: 188.42 Sq. km	Latitude: 18.91
Longitude: 75.74	Reservoir Area at FRL: 1.80 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1955	-	-	13.12	-	-	-	-	-
2	1981	St. Govt (HS)	26	9.58	-	-	3.54	3.54	26.99
3	1990	-do-	35	7.90	-	-	1.68	5.22	39.77
4	1995	-do-	40	7.88	-	-	0.02	5.24	39.95

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 40 Years (Th.Cum/SqKm/yr)
1	1955	-	68	-	0.70
2	1981	26		0.72	
3	1990	9		0.99	
4	1995	5		0.02	

BHAMA ASKHED

State: Maharashtra	District: Pune	River: Bhama
Year of 1st Impoundment: 2000	MDDL: N.A	FRL: N.A
Year of Last Survey: 2010	Catchment Area: 198.08 Sq. km	Latitude: 18.84
Longitude: 73.70	Reservoir Area at FRL: 217.10 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	2000	-	-	165.96	152.27	13.69	-	-	-
2	2010	CWC (RS)	10	-	144.38	-	7.89	7.89	5.18

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 10 Years (Th.Cum/SqKm/yr)
1	2000	-	23	-	3.98*
2	2010	10		3.98	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

BHANDARDARA

State: Maharashtra	District: Ahmednagar	River: Godavari
Year of 1st Impoundment: 1926	MDDL: 698.07 m	FRL: 744.73 m
Year of Last Survey: 2015	Catchment Area: 121.73 Sq. km	Latitude: 19.55
Longitude: 73.76	Reservoir Area at FRL: 18.76 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1926	-	-	312.60	304.1	8.495	-	-	-
2	2015	St. Govt (RS)	89	-	276.66	-	27.44	27.44	9.02
3	2019	CWC (RS)	93	-	307.60	-	-30.94	-3.50	-1.15

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 93 Years (Th.Cum/SqKm/yr)
1	1926	-	97	-	-
2	2015	89		-	
3	2019	4		-	

BHATGHAR

State: Maharashtra	District: Pune	River: Yelwandi
Year of 1st Impoundment: 1927	MDDL: 578.48 m	FRL: 623.28 m
Year of Last Survey: 2007	Catchment Area: 331.50 Sq. km	Latitude: 18.18
Longitude: 73.86	Reservoir Area at FRL: 37.90 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1927	-	-	672.65	672.65	0	-	-	-
2	2007	St. Govt (HS)	80	564.06	564.06	0	108.59	108.59	16.14

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 80 Years (Th.Cum/SqKm/yr)
1	1927	-	96	-	4.09
2	2007	80		4.09	

BHATSA

State: Maharashtra	District : Thane	River: Bhatsa
Year of 1st Impoundment: 1979	MDDL: 79.2 m	FRL: 142.07 m
Year of Last Survey: 2017	Catchment Area: 388.50 Sq.km	Latitude: 19.51
Longitude : 73.42	Reservoir Area at FRL: 2.73 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1979	-	-	976.10	942.10	34.00	-	-	-
2	2017	St. Govt (RS)	38	-	526.57	-	415.53	415.53	44.11

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 38 Years (Th.Cum/SqKm/yr)
1	1979	-	44	-	28.15*
2	2017	38		28.15	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

BHIMA (UJJANI)

State: Maharashtra	District: Sholapur	River: Bhima
Year of 1st Impoundment: 1977	MDDL: 491.03 m	FRL: 496.83 m
Year of Last Survey: 2023	Catchment Area: 9201.40 Sq. km	Latitude: 18.07
Longitude: 75.12	Reservoir Area at FRL: 283.71 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1977	-	-	3320.00	1517.20	1802.81	-	-	-
2	2012	CWC (HS)	35	2896.09	1408.81	1487.28	423.91	423.91	12.77
3	2023	-do-	46	2774.95	1334.53	1440.42	121.14	545.05	16.42

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 46 Years (Th.Cum/SqKm/yr)
1	1977	-	46	-	1.29
2	2012	35		1.32	
3	2023	11		0.29	

BHOJAPUR

State: Maharashtra	District: Nashik	River: Godavari
Year of 1st Impoundment: 1972	MDDL: 675.15 m	FRL: 685.00 m
Year of Last Survey: 2017	Catchment Area: 154.00 Sq. km	Latitude: 19.68
Longitude: 74.05	Reservoir Area at FRL: 1.74 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1972	-	-	13.26	10.22	3.04	-	-	-
2	2017	St. Govt (RS)	45	-	9.86	-	0.36	0.36	3.52

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 45 Years (Th.Cum/SqKm/yr)
1	1972	-	51	-	0.05*
2	2017	45		0.05	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

CHANDANI

State: Maharashtra	District: Osmanabad	River: Krishna
Year of 1st Impoundment: 1965	MDDL: 503.65 m	FRL: 507.16 m
Year of Last Survey: 2015	Catchment Area: 606.00 Sq. km	Latitude: 18.27
Longitude: 75.54	Reservoir Area at FRL: 4.94 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1965	-	-	23.78	21.58	2.20	-	-	-
2	2015	St. Govt (RS)	50	-	13.409	-	8.17	8.17	37.86

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 50 Years (Th.Cum/SqKm/yr)
1	1965	-	58	-	0.27*
2	2015	50		0.27	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

CHANKAPUR

State: Maharashtra	District: Nashik	River: Girna
Year of 1st Impoundment: 1913	MDDL: 658.10 m	FRL: 672.93 m
Year of Last Survey: 2014	Catchment Area: 269.00 Sq. km	Latitude: 20.50
Longitude: 73.89	Reservoir Area at FRL: 10.31 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1913	-	-	79.94	76.86	3.08	-	-	-
2	2009	St. Govt (HS)	96	62.42	62.42	0.00	17.52	17.52	21.92
3	2014	St. Govt (RS)	101	-	60.64	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 96 Years (Th.Cum/SqKm/yr)
1	1913	-	110	-	0.68
2	2009	96		0.68	
3	2014	5		-	-

CHASKAMAN DAM

State: Maharashtra	District: Pune	River: Bhima
Year of 1st Impoundment: 1991	MDDL: 627.89 m	FRL: 649.53 m
Year of Last Survey: 2023	Catchment Area: 305.56 Sq. Km	Latitude: 18.97
Longitude: 73.76	Reservoir Area at FRL: 17.57 Sq.km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1991	-	-	241.69	214.50	27.19	-	-	-
2	2023	CWC (HS)	32	222.96	203.84	19.12	18.73	18.73	7.75

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation in For 32years (Th.Cum/SqKm/yr)
1	1991	-	32	-	1.92
2	2023	32		1.92	

CHILEWADI

State: Maharashtra	District: Pune	River: Krishna
Year of 1st Impoundment: 2000	MDDL: 703.17 m	FRL: 743.14 m
Year of Last Survey: 2016	Catchment Area: 103.94 Sq. km	Latitude: 19.36
Longitude: 73.94	Reservoir Area at FRL: 67.41 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	2000	-	-	27.17	24.60	2.57	-	-	-
2	2016	St.Govt. (RS)	16	-	15.85	-	8.75	8.75	35.56

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 16 Years (Th.Cum/SqKm/yr)
1	2000	-	23	-	5.26*
2	2016	16		-	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

CHITRI

State: Maharashtra	District: Kolhapur	River: Krishna
Year of 1st Impoundment: 2004	MDDL: 682.20 m	FRL: 718.90 m
Year of Last Survey: 2017	Catchment Area: 27.85 Sq. km	Latitude: 16.07
Longitude: 74.15	Reservoir Area at FRL: 2.83 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	2004	-	-	53.414	52.481	0.933	-	-	-
2	2017	St.Govt. (RS)	13	-	43.574	-	8.91	8.91	16.97

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 13 Years (Th.Cum/SqKm/yr)
1	2004	-	19	-	24.60*
2	2017	13		24.60	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

DARA

State: Maharashtra	District: Nandurbar	River: Tapi
Year of 1st Impoundment: 2007	MDDL: 279.70 m	FRL: 309.20 m
Year of Last Survey: 2013	Catchment Area: 63.71 Sq. km	Latitude: 21.72
Longitude: 74.43	Reservoir Area at FRL: 0.45 Sq. km	

Survey Details

S. No.	Year of Survey	Source of Data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	2007	-		14.76	13.45	1.31	-	-	-
2	2013	St.Govt (RS)	6	-	4.015	-	9.44	9.44	70.15

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 6 Years (Th.Cum/SqKm/yr)
1	2007	-	16	-	24.68*
2	2013	6		24.68	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

DARNA

State: Maharashtra	District: Nashik	River: Godavari
Year of 1st Impoundment: 1916	MDDL: 554.12 m	FRL: 571.50 m
Year of Last Survey: 2015	Catchment Area: 404.00 Sq. km	Latitude: 19.76
Longitude: 73.74	Reservoir Area at FRL: 27.83 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1916	-	-	226.96	219.91	7.05	-	-	-
2	2015	St. Govt (RS)	99	-	188.659	-	31.25	31.25	14.21

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 99 Years (Th.Cum/SqKm/yr)
1	1916	-	107	-	0.78*
2	2015	99		0.78	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

DHOM

State: Maharashtra	District: Satara	River: Krishna
Year of 1st Impoundment: 1977	MDDL: N.A	FRL: 747.70 m
Year of Last Survey: 2022	Catchment Area: 217.56 Sq. km	Latitude: 17.97
Longitude: 73.81	Reservoir Area at FRL: 2.50 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1977	-	-	382.22	331.05	51.17	-	-	-
2	2005	CWC (RS)	28	-	313.69	-	17.36	17.36	5.24
3	2022	-do-	45	-	302.36	-	11.33	28.69	8.67

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 45 Years (Th.Cum/SqKm/yr)
1	1977	-	46	-	2.93*
2	2005	28		2.85	
3	2022	17		3.06	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

DIMBHE

State: Maharashtra	District: Pune	River: Ghod
Year of 1st Impoundment: 1988	MDDL: 682.75 m	FRL: 719.65 m
Year of Last Survey: 2023	Catchment Area: 298.00 Sq. km	Latitude: 19.11
Longitude: 73.72	Reservoir Area at FRL: 17.67 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2010	Survey data	-	420.67	382.79	37.87	-	-	-
2	2023	CWC (HS)	13	412.50	377.74	34.76	8.17	8.17	1.94

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 13 Years (Th.Cum/SqKm/yr)
1	2010	-	35	-	2.11
2	2023	13		2.11	

DUDHGANGA

State: Maharashtra	District: Kolhapur	River: Krishna
Year of 1st Impoundment: 1999	MDDL: 607.16 m	FRL: 646.00 m
Year of Last Survey: 2018	Catchment Area: 196.00 Sq. km	Latitude: 16.34
Longitude: 74.00	Reservoir Area at FRL: 37.71 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1989	-	-	719.12	679.11	40.01	-	-	-
2	2018	CWC (RS)	19	-	662.98	-	16.13	16.13	2.38

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 19 Years (Th.Cum/SqKm/yr)
1	1999	-	24	-	4.33*
2	2018	19		4.33	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

EKBURJI

State: Maharashtra	District: Washim	River: Godavari
Year of 1st Impoundment: 1964	MDDL: 143.26 m	FRL: 151.98 m
Year of Last Survey: 2016	Catchment Area: 75.16 Sq. km	Latitude: 20.03
Longitude: 77.10	Reservoir Area at FRL: 0.22 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1964	-	-	14.12	11.97	2.15	-	-	-
2	2016	St. Govt (RS)	52	-	9.44	-	2.53	2.53	21.14

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 52 Years (Th.Cum/SqKm/yr)
1	1964	-	59	-	0.65*
2	2016	52		0.65	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

EKRUKH

State: Maharashtra	District: Latur	River: Adela nalla
Year of 1st Impoundment: 1871	MDDL: N.A	FRL: N.A
Year of Last Survey: 2023	Catchment Area: 411.82 Sq.km	Latitude: 17.74
Longitude: 75.92	Reservoir Area at FRL: 15.20 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1871	-	-	94.30	89.54	4.76	-	-	-
2	1923	St.Govt. (HS)	52	78.36	-	-	15.94	15.94	16.90
3	1991	-do-	68	67.86	-	-	10.50	26.44	28.03
4	2023	CWC (HS)	152	62.52	59.06	3.46	5.34	31.78	33.70

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 152 Years (Th.Cum/SqKm/yr)
1	1871	-	152	-	0.51
2	1923	52		0.74	
3	1991	68		0.38	
4	2023	32		0.41	

GANGAPUR

State: Maharashtra	District: Nashik	River: Godavari
Year of 1st Impoundment: 1965	MDDL: 591.20 m	FRL: 612.35 m
Year of Last Survey: 2016	Catchment Area: 357.40 Sq. km	Latitude: 20.05
Longitude: 73.68	Reservoir Area at FRL: 22.55 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1965	-	-	212.51	-	-	-	-	-
2	1997	St. Govt (HS)	32	163.62	-	-	48.89	48.89	23.01
3	2016	St. Govt (RS)	51	-	137.61	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 32 Years (Th.Cum/SqKm/yr)
1	1965	-	58	-	4.27
2	1997	32		4.27	
3	2016	19		-	-

GAUTAMI

State: Maharashtra	District: Nashik	River: Godavari
Year of 1st Impoundment: 2006	MDDL: 651.21 m	FRL: 695.85 m
Year of Last Survey: 2014	Catchment Area: 41.18 Sq. km	Latitude: 19.98
Longitude: 73.64	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	2006	-	-	53.218	52.9	0.318	-	-	-
2	2014	St. Govt (RS)	8	-	44.594	-	8.31	8.31	15.70

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 8 Years (Th.Cum/SqKm/yr)
1	2006	-	17	-	25.21*
2	2014	8		25.21	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

GHOD

State: Maharashtra	District: Ahmadnagar	River: Ghod
Year of 1st Impoundment: 1965	MDDL: 541.02 m	FRL: 548.64 m
Year of Last Survey: 2008	Catchment Area: 2541.3 Sq. km	Latitude: 18.68
Longitude: 74.49	Reservoir Area at FRL: 27.46 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1965	-	-	216.30	154.80	61.51	-	-	-
2	2007	St.Govt. (HS)	42	169.30	137.99	31.31	47.00	47.00	21.73
3	2008	St.Govt. (RS)	43	-	124.16	-	-	-	-
4	2023	CWC (HS)	58	173.74	143.60	30.14	-4.44	42.57	19.68

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 58 Years (Th.Cum/SqKm/yr)
1	1965	-	58	-	0.29
2	2007	42		0.44	
3	2008	1		-	
4	2023	15		-	

GHORAZARI

State: Maharashtra	District: Chandrapur	River: Godavari
Year of 1st Impoundment: 1923	MDDL: 242.89 m	FRL: 249.34 m
Year of Last Survey: 2015	Catchment Area: 90.65 Sq. km	Latitude: 20.54
Longitude: 79.63	Reservoir Area at FRL: 8.76 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1923	-	-	50.243	43.16	7.08	-	-	-
2	2015	St. Govt (RS)	92	-	23.96	-	19.20	19.20	44.49

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 92 Years (Th.Cum/SqKm/yr)
1	1923	-	100	-	2.30*
2	2015	92		2.30	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

GIRNA

State: Maharashtra	District: Nashik	River: Girna
Year of 1st Impoundment: 1969	MDDL: 381.81 m	FRL: 397.97 m
Year of Last Survey: 2010	Catchment Area: 4,727.30 Sq. km	Latitude: 20.49
Longitude: 74.69	Reservoir Area at FRL: 55.52 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1969	-	-	608.45	523.55	84.90	-	-	-
2	1979	St. Govt. (HS)	10	559.23	-	-	49.22	49.22	8.09
3	2010	-do-	41	565.57	510.20	55.37	-6.34	42.88	7.05

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 41 Years (Th.Cum/SqKm/yr)
1	1969	-	54	-	0.22
2	1979	10		1.04	
3	2010	31		-	

GOSI KHURD DAM

State: Maharashtra	District: Bhandara	River: Wainganga
Years of 1st Impoundment: 2010	MDDL: 240.50 m	FRL: 245.50 m
Year of Last Survey: 2023	Catchment Area: 5902.00 Sq.Km.	Latitude: 20.87
Longitude: 79.61	Reservoir Area at FRL: 220.19 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	2010	-	-	1146.08	665.91	480.17	-	-	-
2.	2023	CWC (HS)	13	1065.86	640.67	425.19	80.22	80.22	7.00

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 13 years (Th.Cum/Sqkm/yr)
1.	2010	-	13	-	1.05
2.	2023	13		1.05	

HATNUR

State: Maharashtra	District: Jalgaon	River: Tapi
Year of 1st Impoundment: 1982	MDDL: 207.70 m	FRL: 214.00 m
Year of Last Survey: 2017	Catchment Area: 29,430.00 Sq. km	Latitude: 21.07
Longitude: 75.95	Reservoir Area at FRL: 27.40 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1982	-	-	388.00	255.00	133.00	-	-	-
2	2017	St. Govt (RS)	35	-	103.50	-	151.50	151.50	59.41

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 35 Years (Th.Cum/SqKm/yr)
1	1982	-	41	-	0.15*
2	2017	35		0.15	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

ISAPUR

State: Maharashtra	District: Nanded	River: Penganga
Year of 1st Impoundment: 1983	MDDL: NA	FRL: 441.00 m
Year of Last Survey: 2003	Catchment Area: 4650.00 Sq. km	Latitude: 19.76
Longitude: 77.38	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	%Cumulative
1	1983	-	-	1241.26	928.26	313.00	-	-	-
2	2003	CWC (RS)	20	-	899.63	-	28.63	28.63	3.08
3	2021	-do-	38	-	840.65	-	58.98	87.61	9.44

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 38 Years (Th.Cum/SqKm/yr)
1	1983	-	40	-	0.50*
2	2003	20		0.31	
3	2021	18		0.71	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

ITIADOH

State: Maharashtra	District: Gondia	River: Garvi
Year of 1st Impoundment: 1972	MDDL: NA	FRL: NA
Year of Last Survey: 2007	Catchment Area: 704.48 Sq. km	Latitude: 20.80
Longitude: 80.17	Reservoir Area at FRL: 46.91 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1972	-	-	381.58	317.87	63.71	-	-	-
2	2007	CWC (RS)	35	-	318.29	-	-0.42	-0.42	-0.13

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 35 Years (Th.Cum/SqKm/yr)
1	1972	-	51	-	-
2	2007	35		-	

JAWALGAON

State: Maharashtra	District: Solapur	River: Krishna
Year of 1st Impoundment: 1989	MDDL: 195.91 m	FRL: 503.83 m
Year of Last Survey: 2016	Catchment Area: 223.00 Sq. km	Latitude: 18.02
Longitude: 75.92	Reservoir Area at FRL: 4.60 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1989	-	-	34.91	29.19	5.72	-	-	-
2	2016	St.Govt. (RS)	27	-	26.80	-	2.39	2.39	8.20

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 27 Years (Th.Cum/SqKm/yr)
1	1989	-	34	-	0.40*
2	2016	27		0.40	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

JAYAKWADI

State: Maharashtra	District: Aurangabad	River: Godavari
Year of 1st Impoundment: 1976	MDDL: 455.52 m	FRL: 463.91 m
Year of Last Survey: 1999	Catchment Area: 21774 Sq. km	Latitude: 19.48
Longitude: 75.37	Reservoir Area at FRL: 350.00 Sq. km	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1976	-	-	2909.04	2170.94	738.11	-	-	-
2	1999	CWC (HS)	23	2659.24	2076.78	582.46	249.80	249.80	8.59

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 23 Years (Th.Cum/SqKm/yr)
1	1976	-	47	-	0.50
2	1999	23		0.50	

KADWA

State: Maharashtra	District: Nashik	River: Godavari
Year of 1st Impoundment: 1992	MDDL: 575.00 m	FRL: 589.00 m
Year of Last Survey: 2016	Catchment Area: 173.23 Sq. km	Latitude: 19.77
Longitude: 73.79	Reservoir Area at FRL: 5.00 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1992	-	-	59.59	52.92	6.68	-	-	-
2	2016	St. Govt (RS)	24	-	50.59	-	2.33	2.33	4.40

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 24 Years (Th.Cum/SqKm/yr)
1	1992	-	31	-	0.56*
2	2016	24		0.56	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

KANHER

State: Maharashtra	District: NA	River: Venna
Year of 1st Impoundment: 1987	MDDL: NA	FRL: NA
Year of Last Survey: 2018	Catchment Area: 204.69 Sq.Km.	Latitude: 17.75
Longitude: 73.89	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1987	-	-	286.00	271.68	14.32	-	-	-
2	2018	CWC (RS)	36	-	268.09	-	3.59	3.59	1.32

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 36 years (Th.Cum/SqKm/yr)
1	1987	-	36	-	0.57*
2	2018	31		0.57	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

KARANJVAN

State: Maharashtra	District: Nashik	River: Kadwa
Year of 1st Impoundment: 1974	MDDL: 632.47 m	FRL: 651.66 m
Year of Last Survey: 2015	Catchment Area: 248.00 Sq. km	Latitude: 20.30
Longitude: 73.76	Reservoir Area at FRL: 18.24 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1974	-	-	175.57	164.19	11.38	-	-	-
2	2008	St. Govt (HS)	34	158.61	155.60	3.01	16.96	16.96	9.66
3	2015	St. Govt (RS)	41	-	143.93	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 34 Years (Th.Cum/SqKm/yr)
1	1974	-	49	-	2.01
2	2008	34		2.01	
3	2015	7		-	-

KARPARA

State: Maharashtra	District: Parbhani	River: Godavari
Year of 1st Impoundment: 1974	MDDL: 423.66 m	FRL: 427.80 m
Year of Last Survey: 2014	Catchment Area: 270.00 Sq. km	Latitude: 19.51
Longitude: 76.63	Reservoir Area at FRL: 5.85 Sq. km	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1974	-	-	28.82	24.90	3.92	-	-	-
2	2014	St. Govt (RS)	40	-	16.71	-	8.19	8.19	32.90

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 40 Years (Th.Cum/SqKm/yr)
1	1974	-	49	-	0.76*
2	2014	40		0.76	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

KASARI

State: Maharashtra	District: Beed	River: Kasari
Year of 1st Impoundment: 1998	MDDL: 589.30 m	FRL: 623.00 m
Year of Last Survey: 2023	Catchment Area: 32.28 Sq. km	Latitude: 18.62
Longitude: 73.65	Reservoir Area at FRL: 5.34 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (Years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1998	-	-	78.56	77.96	0.60	-	-	-
2	2016	St.Govt (RS)	18	-	58.35	-	-	-	-
3	2023	CWC (HS)	25	75.93	75.63	0.3	2.63	2.63	3.35

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 25 Years (Th.Cum/SqKm/yr)
1	1998	-	25	-	2.40
2	2016	18		-	
3	2023	7		2.40	

KHADAKWASLA

State: Maharashtra	District: Pune	River: Mutha
Year of 1st Impoundment: 1879	MDDL: 574.30 m	FRL: 582.47 m
Year of Last Survey: 2007	Catchment Area: 501.80 Sq. km	Latitude: 18.44
Longitude: 73.77	Reservoir Area at FRL: 14.80 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1879	-	-	86	56	30	-	-	-
2	1940	St.Govt. (HS)	61	86.08	-	-	-0.08	-0.08	-
3	2007	-do-	128	87.87	63.96	23.91	-0.79	-1.87	-2.17

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 128 Years (Th.Cum/SqKm/yr)
1	1879	-	144	-	-
2	1940	61		-	
3	2007	67		-	

KHAIRY

State: Maharashtra	District: Ahmednagar	River: Karnadi
Years of 1st Impoundment: 1990	MDDL: 554.90 m	FRL: 562.30 m
Year of Last Survey: 2023	Catchment Area: 207.80 Sq.Km.	Latitude: 18.61
Longitude: 75.43	Reservoir Area at FRL: 3.30 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1990	-	-	15.11	13.74	1.37	-	-	-
2.	2023	CWC (HS)	33	12.41	11.80	0.62	2.70	2.70	17.87

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 33 years (Th.Cum/Sqkm/yr)
1.	1990	-	33	-	0.39
2.	2023	33		0.39	

KHASPUR

State: Maharashtra	District: Osmanabad	River: Sina
Year of 1st Impoundment: 1954	MDDL: N.A	FRL: N.A
Year of Last Survey: 1996	Catchment Area: 554.20 Sq. km	Latitude: 18.31
Longitude: 75.48	Reservoir Area at FRL: 5.68 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1954	-	-	19.82	-	-	-	-	-
2	1975	St.Govt. (HS)	21	14.47	-	-	5.35	5.35	27.01
3	1990	-do-	36	13.58	-	-	0.89	6.24	31.48
4	1996	-do-	42	13.48	-	-	0.10	6.34	31.97

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 42 Years (Th.Cum/SqKm/yr)
1	1954	-	69	-	0.27
2	1975	21		0.46	
3	1990	15		0.11	
4	1996	6		0.03	

KHELNA

State: Maharashtra	District: Aurangabad	River: Khelna
Year of 1st Impoundment: 1964	MDDL: NA	FRL: NA
Year of Last Survey: 1985	Catchment Area: 161.60 Sq. km	Latitude: 20.40
Longitude: 75.65	Reservoir Area at FRL: 3.76 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1964	-	-	12.61	-	-	-	-	-
2	1985	St. Govt (HS)	21	11.908	-	-	0.70	0.70	5.57

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 21 Years (Th.Cum/SqKm/yr)
1	1964	-	59	-	0.21
2	1985	21		0.21	

KOLGAON

State: Maharashtra	District: Ahmadnagar	River: Hanga
Year of 1st Impoundment: 1956	MDDL: N.A	FRL: N.A
Year of Last Survey: 1988	Catchment Area: 55.74 Sq. km	Latitude: 18.78
Longitude: 74.63	Reservoir Area at FRL: 85.00 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1956	-	-	2.87	-	-	-	-	-
2	1975	St.Govt. (HS)	19	1.69	-	-	1.18	1.18	41.11
3	1983	-do-	27	1.53	-	-	0.16	1.34	46.79
4	1988	-do-	32	1.50	-	-	0.03	1.37	47.87

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 32 years (Th.Cum/SqKm/yr)
1	1956	-	67		0.77
2	1975	19		1.11	
3	1983	8		0.37	
4	1988	5		0.11	

KOYNA

State: Maharashtra	District: Satara	River: Koyna
Year of 1st Impoundment: 1962	MDDL: 609.6 m	FRL: 659.44 m
Year of Last Survey: 2012	Catchment Area: 891.78 Sq. km	Latitude: 17.40
Longitude: 73.75	Reservoir Area at FRL: 11.54 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1962	-	-	2980.68	2860.89	119.79	-	-	-
2	2012	St.Govt. (HS)	50	2806.89	2721.46	85.43	173.79	173.79	5.83

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 50 Years (Th.Cum/SqKm/yr)
1	1962	-	61	-	3.90
2	2012	50		3.90	

KURNUR

State: Maharashtra	District: Osmanabad	River: Godavari
Year of 1st Impoundment: 1968	MDDL: 562.65 m	FRL: 571.65 m
Year of Last Survey: 2017	Catchment Area: 322.56 Sq. km	Latitude: 17.62
Longitude: 76.22	Reservoir Area at FRL: 6.16 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1968	-	-	35.26	32.28	2.98	-	-	-
2	2017	St. Govt (RS)	49	-	30.68	-	1.60	1.60	4.96

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 49 Years (Th.Cum/SqKm/yr)
1	1968	-	55	-	0.10*
2	2017	49		0.10	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

LOWER TERNA

State: Maharashtra	District: Osmanabad	River: Terna
Year of 1st Impoundment: 1989	MDDL: 599.5 m	FRL: 604.4 m
Year of Last Survey: 2023	Catchment Area: 1373.00 Sq.km.	Latitude: 18.02
Longitude: 76.43	Reservoir Area at FRL: 27.12 Sq.km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1989	-	-	160.49	113.99	46.50	-	-	-
2	2003	St.Govt (HS)	14	121.19	91.22	29.97	39.30	39.30	24.49
3	2022	CWC (RS)	33	-	88.9	-	-	-	-
4	2023	CWC (HS)	34	111.73	86.62	25.11	10.06	48.76	30.38

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation in For 34 years (Th.Cum/SqKm/yr)
1	1989	-	34	-	1.04
2	2003	14		2.04	
3	2022	19		-	
4	2023	1		0.37	

MAJALGAON

State: Maharashtra	District: Beed	River: Sindhfana
Year of 1st Impoundment: 1987	MDDL: 426.11 m	FRL: 431.80 m
Year of Last Survey: 2010	Catchment Area: 3840 Sq. km	Latitude: 19.16
Longitude: 76.19	Reservoir Area at FRL: 78.13 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1987	-	-	454	312	142	-	-	-
2	2007	CWC (RS)	20	-	287.81	-	-	-	-
3	2010	St. Govt (HS)	23	408.08	292.76	115.32	45.92	45.92	10.11

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 23 Years (Th.Cum/SqKm/yr)
1	1987	-	36	-	0.52
2	2007	20		-	
3	2010	3		0.52	

MANAR

State: Maharashtra	District: Nanded	River: Manar
Year of 1st Impoundment: 1969	MDDL: 386.47 m	FRL: 393.89 m
Year of Last Survey: 2014	Catchment Area: 1585.08 Sq. km	Latitude: 18.84
Longitude: 77.32	Reservoir Area at FRL: 24.06 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1969	-	-	138.35	-	-	-	-	-
2	1999	St. Govt (HS)	30	119.624	-	-	18.73	18.73	13.54
3	2014	St. Govt (RS)	45	-	112.448	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 30 Years (Th.Cum/SqKm/yr)
1	1969	-	54	-	0.39
2	1999	30		0.39	
3	2014	15		-	-

MANDOHOL

State: Maharashtra	District: Ahmednagar	River: Godavari
Year of 1st Impoundment: 1981	MDDL: 709.42 m	FRL: 717.50 m
Year of Last Survey: 2015	Catchment Area: 142.45 Sq. km	Latitude: 19.20
Longitude: 74.31	Reservoir Area at FRL: 0.20 Sq.km	

Survey Details

S. N o.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1981	-	-	11.30	8.78	2.52	-	-	-
2	2015	St. Govt (RS)	34	-	5.30	-	3.48	3.48	39.64

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 34 Years (Th.Cum/SqKm/yr)
1	1981	-	42	-	0.72*
2	2015	34		0.72	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

MANGI

State: Maharashtra	District: Solapur	River: Kanola
Year of 1st Impoundment: 1955	MDDL: 526.87 m	FRL: 538.15 m
Year of Last Survey: 2015	Catchment Area: 304.00 Sq. km	Latitude: 18.47
Longitude: 75.17	Reservoir Area at FRL: 4.00 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1955	-	-	33.839	-	-	-	-	-
2	1984	St.Govt. (HS)	29	30.739	-	-	3.1	3.1	9.16
3	1989	-do-	34	30.528	-	-	0.211	3.31	9.78
4	1995	-do-	40	30.404	-	-	0.124	3.44	10.15
5	2015	St.Govt. (RS)	60	-	28.00	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 40 Years (Th.Cum/SqKm/yr)
1	1955	-	68	-	0.28
2	1984	29		0.35	
3	1989	5		0.14	
4	1995	6		0.07	
5	2015	20		-	-

MANIKDOH

State: Maharashtra	District: Pune	River: Kukadi
Year of 1st Impoundment: 1984	MDDL: 670.00 m	FRL: 711.25 m
Year of Last Survey: 2023	Catchment Area: 110.00 Sq. km	Latitude: 19.24
Longitude: 73.79	Reservoir Area at FRL: 17.15 Sq.km	

Survey Details

S. No.	Year of Survey	Source of Data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1984	-	-	308.00	288.18	19.82	-	-	-
2	2006	St.Govt (HS)	22	273.53	261.62	11.91	34.47	34.47	11.21
3	2008	CWC (RS)	24	-	273.77	-	-	-	-
4	2023	CWC (HS)	39	278.00	265.55	12.45	-4.47	30.00	9.74

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 39 Years (Th.Cum/SqKm/yr)
1	1984	-	39	-	6.99
2	2006	22		14.24	
3	2008	2		-	
4	2023	15		-	

MANJARA

State: Maharashtra	District: Beed	River: Manjara
Years of 1st Impoundment: 1980	MDDL: 635.72 m	FRL: 642.37 m
Year of Last Survey: 2023	Catchment Area: 2061.88 Sq.Km.	Latitude: 18.57
Longitude: 76.16	Reservoir Area at FRL: 39.56 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1980	-	-	270.28	192.90	77.38	-	-	-
2.	2023	CWC (HS)	43	232.16	178.62	53.54	38.12	38.12	14.10

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 43 years (Th.Cum/Sqkm/yr)
1.	1980	-	43	-	0.43
2.	2023	43		0.43	

MASOLI

State: Maharashtra	District: Parbhani	River: Godavari
Year of 1st Impoundment: 1982	MDDL: 408.15 m	FRL: 416.3 m
Year of Last Survey: 2014	Catchment Area: 281.07 Sq. km	Latitude: 18.90
Longitude: 76.75	Reservoir Area at FRL: 4.3 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1982	-	-	34.08	27.14	6.94	-	-	-
2	2014	St. Govt (RS)	32	-	21.44	-	5.70	5.70	21.02

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 32 Years (Th.Cum/SqKm/yr)
1	1982	-	41	-	0.63*
2	2014	32		0.63	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

MATOBA

State: Maharashtra	District: Pune	River: Krishna
Year of 1st Impoundment: 1878	MDDL: 540.94 m	FRL: 546.40 m
Year of Last Survey: 2014	Catchment Area: N.A	Latitude: 18.51
Longitude: 74.30	Reservoir Area at FRL: 1.90 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1878	-	-	4.55	4.51	0.04	-	-	-
2	2014	St.Govt. (RS)	136	-	4.51	-	0	0	0

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 136 Years (Th.Cum/SqKm/yr)
1	1878	-	145	-	-
2	2014	136		-	

MAYANI

State: Maharashtra	District: Satara	River: Krishna
Year of 1st Impoundment: 1876	MDDL: 702.75 m	FRL: 705.07 m
Year of Last Survey: 2015	Catchment Area: 135.17 Sq.km	Latitude: 17.44
Longitude: 74.57	Reservoir Area at FRL: 0.94 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1876	-	-	1.46	1.46	0	-	-	-
2	2015	St.Govt. (RS)	139	-	1.069	-	0.39	0.39	26.78

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 139 Years (Th.Cum/SqKm/yr)
1	1876	-	147	-	0.02*
2	2015	139		0.02	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

MHASWAD

State: Maharashtra	District: Satara	River: Man
Year of 1st Impoundment: 1888	MDDL: NA	FRL: NA
Year of Last Survey: 1990	Catchment Area: 1,243.20 Sq. km	Latitude: 17.58
Longitude: 74.87	Reservoir Area at FRL: 16.25 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1888	-		86.94	-	-	-	-	-
2	1974	St. Govt (HS)	86	42.31	-	-	44.63	44.63	51.33
3	1990	-do-	102	41.7	-	-	0.61	45.24	52.04

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 102 Years (Th.Cum/SqKm/yr)
1	1888	-	135	-	0.36
2	1974	86		0.42	
3	1990	16		0.03	

MORANA

State: Maharashtra	District: Sangli	River: Krishna
Year of 1st Impoundment: 1985	MDDL: 584.00 m	FRL: 595.70 m
Year of Last Survey: 2013	Catchment Area: 85.50 Sq.km	Latitude: 16.99
Longitude: 74.10	Reservoir Area at FRL: 2.20 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1985	-	-	21.181	16.54	4.641	-	-	-
2	2013	St.Govt. (RS)	28	-	15.73	-	0.81	0.81	4.92

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 28 Years (Th.Cum/SqKm/yr)
1	1985	-	39	-	0.34*
2	2013	28		0.34	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

MUKANE

State: Maharashtra	District: Nashik	River: Godavari
Year of 1st Impoundment: 1994	MDDL: 580.20 m	FRL: 594.00 m
Year of Last Survey: 2015	Catchment Area: 129.59 Sq. km	Latitude: 19.82
Longitude: 73.63	Reservoir Area at FRL: 3.02 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1994	-	-	214.16	204.98	9.18	-	-	-
2	2015	St. Govt (RS)	21	-	144.53	-	60.45	60.45	29.49

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 21 Years (Th.Cum/SqKm/yr)
1	1994	-	29	-	22.21*
2	2015	21		22.21	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

MUKTI

State: Maharashtra	District: Dhule	River: Moti Nala
Year of 1st Impoundment: 1893	MDDL: NA	FRL: NA
Year of Last Survey: 1991	Catchment Area: 88.60 Sq. km	Latitude: 21.73
Longitude: 74.88	Reservoir Area at FRL: 1.53 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1893	-	-	9.68	-	-	-	-	-
2	1952	St. Govt (HS)	59	9.06	-	-	0.62	0.62	6.40
3	1977	-do-	84	8.68	-	-	0.38	1	10.33
4	1986	-do-	93	6.96	-	-	1.72	2.72	28.10
5	1991	-do-	98	6.87	-	-	0.09	2.81	29.03

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 98 Years (Th.Cum/SqKm/yr)
1	1893	-	130	-	0.32
2	1952	59		0.12	
3	1977	25		0.17	
4	1986	9		2.16	
5	1991	5		0.20	

MULA

State: Maharashtra	District: Ahmadnagar	River: Mula
Year of 1st Impoundment: 1972	MDDL: 534.01 m	FRL: 552.30 m
Year of Last Survey: 2015	Catchment Area: 2275.86 Sq. km	Latitude: 19.33
Longitude: 74.52	Reservoir Area at FRL: 53.60 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1972	-	-	738.02	609.34	128.68	-	-	-
2	2008	St. Govt (HS)	36	696.45	585.094	111.35	41.57	41.57	5.63
3	2015	St. Govt (RS)	43	-	486.02	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 36 Years (Th.Cum/SqKm/yr)
1	1972	-	51	-	0.51
2	2008	36		0.51	
3	2015	7		-	-

NAGYA SAKYA

State: Maharashtra	District: Nashik	River: Godavari
Year of 1st Impoundment: 1982	MDDL: 479.06 m	FRL: 484.50 m
Year of Last Survey: 2016	Catchment Area: 451.28 Sq. km	Latitude: 20.35
Longitude: 74.60	Reservoir Area at FRL: 5.32 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1982	-	-	15.62	11.24	4.38	-	-	-
2	2016	St. Govt (RS)	34	-	9.927	-	1.31	1.31	11.68

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 34 Years (Th.Cum/SqKm/yr)
1	1982	-	41	-	0.09*
2	2016	34		0.09	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

NALGANGA

State: Maharashtra	District: Buldhana	River: Nalganga
Year of 1st Impoundment: 1963	MDDL: NA	FRL: NA
Year of Last Survey: 1985	Catchment Area: 315.98 Sq. km	Latitude: 20.72
Longitude: 76.18	Reservoir Area at FRL: 10.99 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1963	-	-	76.20	-	-	-	-	-
2	1985	St.Govt (HS)	22	71.86	-	-	4.34	4.34	5.69

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 22 Years (Th.Cum/SqKm/yr)
1	1963	-	60	-	0.62
2	1985	22		0.62	

NAZARE

State: Maharashtra	District: Pune	River: Karha
Year of 1st Impoundment: 1975	MDDL: 670.68 m	FRL: 677.08 m
Year of Last Survey: 2014	Catchment Area: 397.82 Sq.km	Latitude: 18.30
Longitude: 74.19	Reservoir Area at FRL: 3.89 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1975	-	-	22.32	16.65	5.66	-	-	-
2	1986	St.Govt. (HS)	11	14.63	-	-	7.68	7.68	34.43
3	2014	St. Govt. (RS)	39	-	13.76	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 11 Years (Th.Cum/SqKm/yr)
1	1975	-	48	-	1.76
2	1986	11		1.76	
3	2014	28		-	-

NIRADEOGHAR

State: Maharashtra	District: Pune	River: Bhama
Year of 1st Impoundment: 2002	MDDL: NA	FRL: NA
Year of Last Survey: 2010	Catchment Area: 114.48 Sq. km	Latitude: 18.09
Longitude: 73.71	Reservoir Area at FRL: 14.31 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	2002	-	-	337.39	332.14	5.25	-	-	-
2	2010	CWC (RS)	8	-	296.27	-	35.87	35.87	10.80

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 8 Years (Th.Cum/SqKm/yr)
1	2002	-	21	-	39.17*
2	2010	8		39.17	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

PALDHAG

State: Maharashtra	District: Buldhana	River: Tapi
Year of 1st Impoundment: 1978	MDDL: 396.00 m	FRL: 403.20 m
Year of Last Survey: 2016	Catchment Area: 88.27Sq. km	Latitude: 20.59
Longitude: 76.30	Reservoir Area at FRL: 1.55 Sq. km	

Survey Details

S. No.	Year of Survey	Source of Data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1978	-	-	9.14	7.51	1.63	-	-	-
2	2016	St.Govt (RS)	38	-	6.42	-	1.09	1.09	14.51

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 38 Years (Th.Cum/SqKm/yr)
1	1978	-	45	-	0.32*
2	2016	38		0.32	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

PANSHET

State: Maharashtra	District: Pune	River: Ambi
Year of 1st Impoundment: 1968	MDDL: 597.50 m	FRL: 636.27 m
Year of Last Survey: 2007	Catchment Area: 120.30 Sq.km	Latitude: 18.36
Longitude: 73.58	Reservoir Area FRL: 14.87 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1968	-	-	310.62	301.445	9.175	-	-	-
2	2007	St.Govt. (HS)	39	282.19	276.358	5.832	28.43	28.43	9.15

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 39 Years (Th.Cum/SqKm/yr)
1	1968	-	55	-	6.06
2	2007	39		6.06	

PANZARA

State: Maharashtra	District: Dhule	River: Tapi
Year of 1st Impoundment: 1994	MDDL: 532.00 m	FRL: 545.50 m
Year of Last Survey: 2017	Catchment Area: 215.14Sq. km	Latitude: 20.93
Longitude: 74.10	Reservoir Area at FRL: 4.45 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1994	-	-	43.41	35.63	7.78	-	-	-
2	2017	St.Govt (RS)	23	-	27.19	-	8.44	8.44	23.69

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 23 Years (Th.Cum/SqKm/yr)
1	1994	-	29	-	1.71*
2	2017	23		1.71	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

PIMPALGAON

State: Maharashtra	District: Pune	River: Pushpavati-Aar
Year of 1st Impoundment: 2000	MDDL: 682.00 m	FRL: 686.80 m
Year of Last Survey: 2023	Catchment Area: 100.00 Sq.km	Latitude: 19.32
Longitude: 73.84	Reservoir Area at FRL: 25.36 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2000	-	-	235.53	110.32	125.20	-	-	-
2	2018	St. Govt. (RS)	18	-	109.49	-	-	-	-
3	2023	CWC (HS)	23	233.49	109.05	124.43	2.04	2.04	0.87

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 23 years (Th.Cum/SqKm/yr)
1	2000	-	23	-	0.89
2	2018	18		-	
3	2023	5		0.89	

POWAI

State: Maharashtra	District: Mumbai Suburban	River: Local Nala
Year of 1st Impoundment: 1890	MDDL: N.A	FRL: N.A
Year of Last Survey: 1996	Catchment Area: 6.61 Sq.km	Latitude: 19.13
Longitude: 72.91	Reservoir Area at FRL: 2.23 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1890	-	-	5.45	-	-	-	-	-
2	1996	St.Govt. (HS)	106	4.39	-	-	1.06	1.06	19.45

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 106 Years (Th.Cum/SqKm/yr)
1	1890	-	133	-	1.51
2	1996	106		1.51	

PUNEGAON

State: Maharashtra	District: Nashik	River: Godavari
Year of 1st Impoundment: 2002	MDDL: 681.72 m	FRL: 690.50 m
Year of Last Survey: 2014	Catchment Area: 66.00 Sq. km	Latitude: 20.36
Longitude: 73.83	Reservoir Area at FRL: 3.13 Sq. km	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	2002	-	-	20.39	17.57	2.82	-	-	-
2	2014	St. Govt (RS)	12	-	16.17	-	1.40	1.40	7.97

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 12 Years (Th.Cum/SqKm/yr)
1	2002	-	21	-	1.77*
2	2014	12		1.77	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

RADHANAGRI

State: Maharashtra	District: Kolhapur	River: Bhogavati
Year of 1st Impoundment: 1908	MDDL: 566.14 m	FRL: 590.98 m
Year of Last Survey: 2011	Catchment Area: 108.80 Sq.km	Latitude: 16.41
Longitude: 73.96	Reservoir Area at FRL: 17.99 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1908	-	-	236.79	219.97	16.82	-	-	-
2	2011	St.Govt. (HS)	103	208.82	203.07	5.75	27.97	27.97	11.81

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 103 Years (Th.Cum/SqKm/yr)
1	1908	-	115	-	2.50
2	2011	103		2.50	

RAMSAGAR

State: Maharashtra	District : Nagpur	River: Sur
Year of 1st Impoundment: 1914	MDDL: NA	FRL: NA
Year of Last Survey: 1987	Catchment Area: 212.35 Sq.km	Latitude: 21.41
Longitude : 79.37	Reservoir Area at FRL: 21.3 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1914	-	-	117.18	-	-	-	-	-
2	1987	St. Govt (HS)	73	102.40	-	-	14.78	14.78	12.61

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 73 Years (Th.Cum/SqKm/yr)
1	1914	-	109	-	0.95
2	1987	73		0.95	

RENAPUR

State: Maharashtra	District: Latur	River: Godavari
Year of 1st Impoundment: 2000	MDDL: 605.40 m	FRL: 608.50 m
Year of Last Survey: 2014	Catchment Area: 272.00 Sq. km	Latitude: 18.60
Longitude: 76.60	Reservoir Area at FRL: 7.55 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	2000	-	-	21.685	16.401	5.284	-	-	-
2	2014	St. Govt (RS)	14	-	14.47	-	1.93	1.93	11.77

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 14 Years (Th.Cum/SqKm/yr)
1	2000	-	23	-	0.51*
2	2014	14		0.51	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

SIDDHESHWAR

State: Maharashtra	District: Hingoli	River: Purna
Year of 1st Impoundment: 1963	MDDL: NA	FRL: 441.00 m
Year of Last Survey: 2007	Catchment Area: 440.00 Sq. km	Latitude: 19.64
Longitude: 76.89	Reservoir Area at FRL: 40.58 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1963	-	-	250.71	80.82	169.89	-	-	-
2	2007	CWC (RS)	44	-	79.13	-	1.69	1.69	2.09

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 44 Years (Th.Cum/SqKm/yr)
1	1963	-	60	-	0.09*
2	2007	44		0.09	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

SINA

State: Maharashtra	District: Ahmednagar	River: Sina
Year of 1st Impoundment: 1985	MDDL: 579.45 m	FRL: 584.00 m
Year of Last Survey: 2023	Catchment Area: 1266.52 Sq.km	Latitude: 18.84
Longitude: 74.94	Reservoir Area at FRL: 13.54 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1985	-	-	67.95	52.30	15.65	-	-	-
2	2014	St.Govt. (RS)	29	-	32.54	-	-	-	-
3	2022	-do-	37	-	35.56	-	-	-	-
4	2023	CWC (HS)	38	38.91	28.92	9.99	29.04	29.04	42.74

Sedimentation Details

S.No.	Year of Survey	Year of elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 38 years (Th.Cum/SqKm/yr)
1	1985	-	38	-	0.60
2	2014	29		-	
3	2022	8		-	
4	2023	1		0.60	

SINA KOLEGAON

State: Maharashtra	District: Osmanabad	River: Sina
Years of 1st Impoundment: 2007	MDDL: 501.20 m	FRL: 502.80 m
Year of Last Survey: 2023	Catchment Area: 3841.23 Sq.Km.	Latitude: 18.32
Longitude: 75.40	Reservoir Area at FRL: 29.52 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	2007	-	-	150.49	89.35	61.14	-	-	-
2.	2023	CWC (HS)	16	133.36	84.13	49.23	17.13	17.13	11.38

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 16 years (Th.Cum/Sqkm/yr)
1.	2007	-	16	-	0.28
2.	2023	16		0.28	

SIRPUR

State: Maharashtra	District: Gondia	River: Bagh
Year of 1st Impoundment: 1972	MDDL: NA	FRL: NA
Year of Last Survey: 2007	Catchment Area: 432.53 Sq. km	Latitude: 21.06
Longitude: 80.45	Reservoir Area at FRL: 32.97 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1972	-	-	203.84	192.52	11.32	-	-	-
2	2007	CWC (RS)	35	-	159.16	-	33.36	33.36	17.33

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 35 Years (Th.Cum/SqKm/yr)
1	1972	-	51	-	2.20*
2	2007	35		2.20	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

SURYA

State: Maharashtra	District: Palghar	River: South Tapi
Year of 1st Impoundment: 1990	MDDL: 85.35 m	FRL: 118.60 m
Year of Last Survey: 2016	Catchment Area: 203.30 Sq. km	Latitude: 19.70
Longitude: 72.85	Reservoir Area at FRL: 15.45 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1990	-	-	285.31	276.35	8.96	-	-	-
2	2016	St.Govt (RS)	26	-	178.87	-	97.48	97.48	35.27

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 26 Years (Th.Cum/SqKm/yr)
1	1990	-	33	-	18.44*
2	2016	26		18.44	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

TEMBHAPURI

State: Maharashtra	District: Aurangabad	River: Godavari
Year of 1st Impoundment: 2006	MDDL: 489.40 m	FRL: 495.00 m
Year of Last Survey: 2018	Catchment Area: 283.86 Sq. km	Latitude: 19.74
Longitude: 75.19	Reservoir Area at FRL: 6.62 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	2006	-	-	21.26	19.62	1.64	-	-	-
2	2018	St.Govt (RS)	12	-	20.09	-	-1.28	-1.28	-6.52

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 12 Years (Th.Cum/SqKm/yr)
1	2006	-	17	-	-
2	2018	12		-	

TEMGHAR

State: Maharashtra	District: Pune	River: Mutha
Year of 1st Impoundment: 1997	MDDL: N.A	FRL: N.A
Year of Last Survey: 2010	Catchment Area: 37.70 Sq.km	Latitude: 18.46
Longitude: 73.52	Reservoir Area at FRL: 55.51 Sq.km	

Survey Details

S. No.	Year of Survey	Source of Data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1997	-	-	70.71	67.76	2.95	-	-	-
2	2010	CWC (RS)	13	-	62.25	-	5.51	5.51	8.13

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 13 Years (Th.Cum/SqKm/yr)
1	1997	-	26	-	11.24*
2	2010	13		11.24	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

TISGAON

State: Maharashtra	District: Nashik	River: Godavari
Year of 1st Impoundment: 1999	MDDL: 628.00 m	FRL: 636.10 m
Year of Last Survey: 2014	Catchment Area: 97.00 Sq. km	Latitude: 20.26
Longitude: 73.95	Reservoir Area at FRL: 0.29 Sq. km	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1999	-	-	15.46	12.76	2.70	-	-	-
2	2014	St. Govt (RS)	15	-	10.78	-	1.98	1.98	15.54

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 15 Years (Th.Cum/SqKm/yr)
1	1999	-	24	-	1.36*
2	2014	15		1.36	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

TOTLADOH

State: Maharashtra	District: Nagpur	River: Pench
Year of 1st Impoundment: 1982	MDDL: NA	FRL: NA
Year of Last Survey: 2009	Catchment Area: 4273.00 Sq. km	Latitude: 21.66
Longitude: 79.23	Reservoir Area at FRL: 1.09 Sq.km	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1982	-	-	1241.11	1091.53	149.58	-	-	-
2	2009	CWC (RS)	27	-	1,018.58	-	72.95	72.95	6.68

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 27 Years (Th.Cum/SqKm/yr)
1	1982	-	41	-	0.63*
2	2009	27		0.63	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

TULSHI

State: Maharashtra	District: Kolhapur	River: Tulshi
Year of 1st Impoundment: 1978	MDDL: 591.31 m	FRL: 616.98 m
Year of Last Survey: 2023	Catchment Area: 34.92 Sq.km	Latitude: 16.52
Longitude: 74.02	Reservoir Area at FRL: 5.80 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1978	-	-	98.29	92.69	5.6	-	-	-
2	2011	St.Govt. (HS)	33	102.10	93.16	8.94	-3.81	-3.81	-3.88
3	2023	CWC (HS)	45	94.82	90.23	4.59	7.28	3.47	3.53

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 45 Years (Th.Cum/SqKm/yr)
1	1978	-	45	-	2.21
2	2011	33		-	
3	2023	12		17.37	

UMA

State: Maharashtra	District: Akola	River: Tapi
Year of 1st Impoundment: 1983	MDDL: 337.25 m	FRL: 344.00 m
Year of Last Survey: 2016	Catchment Area: 129.76 Sq. km	Latitude: 20.60
Longitude: 77.39	Reservoir Area at FRL: 2.99 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1983	-	-	14.010	11.68	2.33	-	-	-
2	2016	St.Govt (RS)	33	-	13.531	-	-1.85	-1.85	-15.85

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 33 Years (Th.Cum/SqKm/yr)
1	1983	-	40	-	-
2	2016	33		-	

UPPER WARDHA

State: Maharashtra	District: Amravati	River: Wardha
Year of 1st Impoundment: 1993	MDDL: 332.30 m	FRL: 342.50 m
Year of Last Survey: 2023	Catchment Area: 4196.19 Sq. km	Latitude: 21.28
Longitude: 78.06	Reservoir Area at FRL: 80.07 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1993	-	-	802.98	612.51	190.47	-	-	-
2	2011	CWC (HS)	18	755.49	578.03	177.46	47.49	47.49	5.91
3	2023	-do-	30	714.85	559.21	155.64	40.64	88.13	10.98

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 30 Years (Th.Cum/SqKm/yr)
1	1993	-	30	-	0.70
2	2011	18		0.63	
3	2023	12		0.81	

VARASGAON

State: Maharashtra	District: Pune	River: Mose
Year of 1st Impoundment:: 1986	MDDL: 600.50m	FRL: 639.50m
Year of Last Survey: 2007	Catchment Area: 130.00 Sq. km	Latitude: 18.39
Longitude: 73.56	Reservoir Area at FRL: 18.60 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1986	-	-	375.36	363.19	12.17	-	-	-
2	2007	St.Govt. (HS)	21	373.24	361.23	12.01	2.12	2.12	0.57

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 21 Years (Th.Cum/SqKm/yr)
1	1986	-	37	-	0.78
2	2007	21		0.78	

VIR

State: Maharashtra	District: Pune	River: Nira
Year of 1st Impoundment: 1965	MDDL: 562.33 m	FRL: 579.85 m
Year of Last Survey: 2023	Catchment Area: 1756.00 Sq.km	Latitude: 18.13
Longitude: 74.07	Reservoir Area at FRL: 32.67 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1965	-	-	278.50	266.39	12.11	-	-	-
2	2008	St.Govt. (HS)	43	239.145	236.005	3.14	39.36	39.36	14.13
3	2015	St.Govt. (RS)	50	-	168.81	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 43 Years (Th.Cum/SqKm/yr)
1	1965	-	58	-	0.52
2	2008	43		0.52	
3	2015	7		-	-

VISAPUR

State: Maharashtra	District: Ahmadnagar	River: Hanga
Year of 1st Impoundment: 1927	MDDL: 594.00 m	FRL: 607.24 m
Year of Last Survey: 2014	Catchment Area: 328.00 Sq.km	Latitude: 18.81
Longitude: 74.58	Reservoir Area at FRL: 7.33 Sq. km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1927	-	-	37.63	25.61	12.02	-	-	-
2	1974	St.Govt. (HS)	47	26.41	-	-	11.22	11.22	29.82
3	1983	-do-	56	26.12	-	-	0.29	11.51	30.59
4	1988	-do-	61	25.21	-	-	0.91	12.42	33.01
5	2014	St. Govt (RS)	87	-	31.97	-	-	-	-
6	2023	CWC (HS)	96	32.69	-	-	-7.48	4.94	13.13

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 96 Years (Th.Cum/SqKm/yr)
1	1927	-	96	-	0.16
2	1974	47		0.73	
3	1983	9		0.10	
4	1988	5		0.56	
5	2014	26		-	
6	2023	9			

WADAJ

State: Maharashtra	District: Narayangaon	River : Meena
Years of 1st Impoundment: 1983	MDDL: 704.700 m	FRL: 717.500 m
Year of Last Survey: 2023	Catchment Area: 155.00 Sq.Km.	Latitude: 19.15
Longitude: 73.85	Reservoir Area at FRL: 4.60 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1983	-	-	35.90	33.10	2.80	-	-	-
2.	2023	CWC (HS)	40	31.24	29.99	1.25	4.66	4.66	12.98

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 40 years (Th.Cum/Sqkm/yr)
1.	1983	-	40	-	0.75
2.	2023	40		0.75	

WAGHAD

State: Maharashtra	District: Nashik	River: Kolvan
Year of 1st Impoundment: 1978	MDDL: 650.50 m	FRL: 668.50 m
Year of Last Survey: 2014	Catchment Area: 119.00 Sq. km	Latitude: 20.23
Longitude: 78.72	Reservoir Area at FRL: 10.90 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1978	-	-	75.1	70.85	4.25	-	-	-
2	2011	St.Govt (HS)	33	67.72	65.18	2.54	7.38	7.38	9.83
3	2014	St.Govt (RS)	36	-	63.14	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 33 Years (Th.Cum/SqKm/yr)
1	1978	-	45	-	1.88
2	2011	33		1.88	
3	2014	3		-	-

WANDRI

State: Maharashtra	District: Palghar	River: South Tapi
Year of 1st Impoundment: 1984	MDDL: 27.40 m	FRL: 43.60 m
Year of Last Survey: 2016	Catchment Area: 28.53 Sq. km	Latitude: 19.62
Longitude: 72.94	Reservoir Area at FRL: 4.06 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1984	-	-	37.108	35.938	1.17	-	-	-
2	2016	St.Govt (RS)	32	-	29.019	-	6.92	6.92	19.25

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 32 Years (Th.Cum/SqKm/yr)
1	1984	-	39	-	7.58*
2	2016	32		7.58	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

WARNA

State: Maharashtra	District: Sangli	River: Warna
Year of 1st Impoundment: 1984	MDDL: 588.20 m	FRL: 626.90 m
Year of Last Survey: 2014	Catchment Area: 301.00 Sq.km	Latitude: 17.14
Longitude: 73.87	Reservoir Area at FRL: 45.59 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1984	-	-	974.188	779.348	194.84	-	-	-
2	2003	CWC (HS)	19	925.04	764.44	160.6	49.15	49.15	5.05
3	2014	St. Govt (RS)	30	-	625.947	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 19 Years (Th.Cum/SqKm/yr)
1	1984	-	39	-	8.59
2	2003	19		8.59	
3	2014	11		-	-

YEDGAON

State: Maharashtra	District: Pune	River: Kukadi
Year of 1st Impoundment: 1977	MDDL: 634.30 m	FRL: 641.00 m
Year of Last Survey: 2023	Catchment Area: 408.30 Sq.km	Latitude: 19.17
Longitude: 74.00	Reservoir Area at FRL: 11.38 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1977	-	-	93.43	79.28	14.16	-	-	-
2	2023	CWC (HS)	46	66.36	52.99	13.36	27.07	27.07	28.97

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 46 years (Th.Cum/SqKm/yr)
1	1977	-	46	-	1.44
2	2023	46		1.44	

YELDARI

State: Maharashtra	District: Parbhani	River: Purna
Year of 1st Impoundment: 1968	MDDL: 447.75 m	FRL: 461.77 m
Year of Last Survey: 2011	Catchment Area: 7329.70 Sq. km	Latitude: 19.72
Longitude: 76.73	Reservoir Area at FRL: 101.54 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1968	-	-	934.44	809.77	124.67	-	-	-
2	1983	St.Govt (HS)	15	849.5	-	-	84.94	84.94	9.09
3	2011	-do-	43	800.1	743.76	56.34	49.40	134.34	14.38

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 43 Years (Th.Cum/SqKm/yr)
1	1968	-	59	-	0.43
2	1983	15		0.77	
3	2011	28		0.24	

YERALWADI

State: Maharashtra	District: Satara	River: Krishna
Year of 1st Impoundment: 1978	MDDL: 694.40 m	FRL: 698.20 m
Year of Last Survey: 2014	Catchment Area: 766.84 Sq.km	Latitude: 17.54
Longitude: 74.49	Reservoir Area at FRL: 6.00 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1978	-	-	33.24	20.015	13.225	-	-	-
2	2014	St.Govt. (RS)	36	-	17.32	-	2.70	2.70	13.46

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 36 Years (Th.Cum/SqKm/yr)
1	1978	-	45	-	0.10*
2	2014	36		0.10	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

KHOUPUM

State : Manipur	District: Tamenglong	River: Manchen Diu
Years of 1st Impoundment: 1995	MDDL: 716.75 m	FRL: 724.22 m
Year of Last Survey: 2020	Catchment Area: 18.88 Sq.Km.	Latitude: 24.66
Longitude: 93.54	Reservoir Area at FRL: 0.84 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1995	-	-	2.78	2.50	1.21	-	-	-
2.	2020	CWPRS (HS)	25	2.73	-	-	0.05	0.05	1.98

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 25 years (Th.Cum/Sqkm/yr)
1.	1995	-	28	-	0.12
2.	2020	25		0.12	

SINGDA

State: Manipur	District: Kangpokpi	River: Singda
Years of 1st Impoundment: 1995	MDDL: 876.00 m	FRL: 909.50 m
Year of Last Survey: 2020	Catchment Area: 25.30 Sq.Km.	Latitude: 24.88
Longitude: 93.80	Reservoir Area at FRL: NA	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1995	-	-	9.71	8.51	1.21	-	-	-
2.	2020	CWPRS (HS)	25	6.43	-	-	3.28	3.28	33.78

Sediments Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 25 years (Th.Cum/Sqkm/yr)
1.	1995	-	28	-	5.19
2.	2020	25		5.19	

KYRDEM KULAI

State: Meghalaya	District: Ri Bhoi	River: Umtru
Year of 1st Impoundment: 1983	MDDL: NA	FRL: NA
Year of Last Survey: 2002	Catchment Area: 150.00 Sq. km	Latitude: 25.73
Longitude: 91.80	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1983	-	-	-	3.82	-	-	-	-
2	2002	CWC (RS)	19	-	3.41	-	0.41	0.41	10.73

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 103 Years (Th.Cum/SqKm/yr)
1	1983	-	40	-	0.14*
2	2002	19		0.14	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

UMIAM

State: Meghalaya	District: Ri Bhoi	River: Umiam
Year of 1st Impoundment: 1965	MDDL: 960.12 m	FRL: 980.69 m
Year of Last Survey: 2004	Catchment Area: 220.00 Sq.km	Latitude: 25.66
Longitude: 91.90	Reservoir Area at FRL: 9.77 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1965	-	-	179.76	141.80	39.40	-	-	-
2	1990	St. Govt (HS)	25	167.07	137.41	29.66	12.78	12.78	7.11
3	2002	CWC (RS)	37	-	130.12	-	-	-	-
4	2004	St. Govt (HS)	39	159.21	134.69	24.52	7.77	20.55	11.43

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 39 Years (Th.Cum/SqKm/yr)
1	1965	-	58	-	2.40
2	1990	25		2.61	
3	2002	12		-	
4	2004	2		2.38	

BALIMELA

State: Odisha	District: Malkangir	River: Sileru
Year of 1st Impoundment: 1972	MDDL: 438.91 m	FRL: 462.07 m
Year of Last Survey: 2003	Catchment Area: 2953.00 Sq. km	Latitude: 18.24
Longitude: 82.20	Reservoir Area at FRL: 169.49 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1972	-	-	3610.53	2676.04	934.49	-	-	-
2	1999	CWC (HS)	27	3327.5	2536.56	790.94	283.03	283.03	7.83
3	2003	CWC (RS)	31	-	2682.17	-	-	-	-
4	2023	CWC (HS)	51	3134.00	2429.35	704.65	193.50	476.53	13.20

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 51 Years (Th.Cum/SqKm/yr)
1	1972	-	51	-	3.16
2	1999	27		3.55	
3	2003	4		-	
4	2023	20		2.73	

HARABHANGI DAM

State: Odisha	District: Gajapati	River: Harabhangi
Year of 1st Impoundment: 1998	MDDL: 378.00 m	FRL: 387.50 m
Year of Last Survey: 2023	Catchment Area: 503.80 Sq.km.	Latitude: 19.51
Longitude: 84.13	Reservoir Area at FRL: 11.43 Sq.km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1998	-	-	141.25	86.25	55.0	-	-	-
2	2020	CWC (RS)	22	-	86.60	-	-	-	-
3	2023	CWC (HS)	25	138.22	84.22	54.0	3.03	3.03	2.15

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation in For 25 years (Th.Cum/SqKm/yr)
1	1998	-	25	-	0.24
2	2020	22		-	
3	2023	3		0.24	

HIRAKUD

State: Odisha	District: Sambalpur	River: Mahanadi
Year of 1st Impoundment: 1957	MDDL: 179.83 m	FRL: 192.02 m
Year of Last Survey: 2024	Catchment Area: 83400 Sq. km	Latitude: 21.53
Longitude: 83.87	Reservoir Area at FRL: 670.35 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1957	-	-	8144.14	5825.84	2318.30	-	-	-
2	1979	St. Govt (HS)	22	6934.26	5287.80	1646.46	1209.88	1209.88	14.86
3	1981	-do-	24	6626.41	5109.19	1517.22	307.85	1517.73	18.64
4	1986	-do-	29	6613.76	5105.53	1508.23	12.65	1530.38	18.79
5	1988	-do-	31	7193.66	5377.98	1815.68	-57.99	950.48	11.67
6	1991	-do-	34	6210.00	4946.8	1263.28	983.66	1934.14	23.75
7	1995	CWC (RS)	38	-	4934.53	-	-	-	-
8	2000	St. Govt (HS)	43	5894.80	4821.89	1072.90	315.20	2249.34	27.62
9	2024	CWC (HS)	67	5941.86	4801.26	1140.59	-47.06	2202.28	27.04

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 67 years (Th.Cum/SqKm/yr)
1	1957	-	66	-	0.39
2	1979	22		0.66	
3	1981	2		1.85	
4	1986	5		0.03	
5	1988	2		-	
6	1991	3		2.36	
7	1995	4		-	
8	2000	5		0.42	
9	2024	24		-	

KALO

State: Odisha	District: Mayurbhanj	River: Kalo
Year of 1st Impoundment: 1981	MDDL: 71.32 m	FRL: 77.00 m
Year of Last Survey: 2016	Catchment Area: 153.00 Sq.km	Latitude: 21.52
Longitude: 86.46	Reservoir Area at FRL: 5.34 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1981	-	-	29.39	23.93	5.46	-	-	-
2	2016	St. Govt (RS)	35	-	20.86	-	3.07	3.07	12.85

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 35 Years (Th.Cum/SqKm/yr)
1	1981	-	42	-	0.57*
2	2016	35		0.57	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

MACHHKUND

State: Odisha	District: Koraput	River: Machhkund
Year of 1st Impoundment: 1955	MDDL: 818.36 m	FRL: 838.16 m
Year of Last Survey: 2002	Catchment Area: 1955 Sq. km	Latitude: 18.54
Longitude: 82.47	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1955	-	-	970.5	892.55	77.95	-	-	-
2	2002	CWC (RS)	47	-	954.23	-	-61.68	-61.68	-6.91

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 47 Years (Th.Cum/SqKm/yr)
1	1955	-	68	-	-
2	2002	47		-	

RAMIAL

State: Odisha	District: Keonjhar	River: Ramial
Year of 1st Impoundment: 1985	MDDL: 107.20 m	FRL: 121.00 m
Year of Last Survey: 2007	Catchment Area: 328.00 Sq. km	Latitude: 21.11
Longitude: 85.60	Reservoir Area at FRL: 14.75 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1985	-	-	86	75.83	10.17	-	-	-
2	2007	CWC (RS)	22	-	71.37	-	4.46	4.46	5.88

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 22 Years (Th.Cum/SqKm/yr)
1	1985	-	38	-	0.62*
2	2007	22		0.62	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

RENGALI

State: Odisha	District: Angul	River: Brahmani
Year of 1st Impoundment: 1985	MDDL: 109.72 m	FRL: 123.50 m
Year of Last Survey: 2006	Catchment Area: 25250.00 Sq. km	Latitude: 21.28
Longitude: 85.03	Reservoir Area at FRL: 378.40 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1985	-	-	4400.00	3413.71	986.29	-	-	-
2	2001	CWC (RS)	19	-	3217.74	-	-	-	-
3	2006	CWC (HS)	24	3749.75	3130.51	619.24	650.25	650.25	14.78
4	2023	St. Govt. (HS)	41	4053.07	3275.08	777.99	-303.32	346.93	7.88

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 41 Years (Th.Cum/SqKm/yr)
1	1985	-	38	-	0.36
2	2001	19		-	
3	2006	5		1.07	
4	2023	17		-	

SALANDI

State: Odisha	District: Keonjhar	River: Salandi
Year of 1st Impoundment: 1982	MDDL: 50.24 m	FRL: 82.3 m
Year of Last Survey: 2009	Catchment Area: 673.00 Sq. km	Latitude: 21.29
Longitude: 86.30	Reservoir Area at FRL: 31.82 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1982	-	-	565	556.50	8.50	-	-	-
2	2009	CWC (RS)	27	-	518.61	-	37.89	37.89	6.81

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 27 Years (Th.Cum/SqKm/yr)
1	1982	-	41	-	2.09*
2	2009	27		2.09	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

SUNEI

State: Odisha	District: Mayurbhanj	River: Sunei
Year of 1st Impoundment: 1991	MDDL: 72.00 m	FRL: 85.00 m
Year of Last Survey: 2007	Catchment Area: 227.00km	Latitude: 21.44
Longitude: 86.45	Reservoir Area at FRL: 7.77 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1991	-	-	70.00	61.60	8.40	-	-	-
2	2007	CWC (RS)	16	-	59.50	-	2.10	2.10	3.41

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 16 Years (Th.Cum/SqKm/yr)
1	1991	-	32	-	0.58*
2	2007	16		0.58	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

UPPER INDRAVATI

State: Odisha	District: Nawarangpur	River: Upper inderavati
Year of 1st Impoundment: 1989	MDDL: 625.00 m	FRL: 642.00 m
Year of Last Survey: 2007	Catchment Area: 2636.00 Sq. km	Latitude: 19.27
Longitude: 82.82	Reservoir Area at FRL: 110.00 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1989	-	-	2307.71	1455.77	851.94	-	-	-
2	2007	CWC (RS)	18	-	1483.91	-	-28.14	-28.14	-1.93

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 18 Years (Th.Cum/SqKm/yr)
1	1989	-	34	-	-
2	2007	18		-	

UPPER KOLAB

State: Odisha	District: Koratpur	River: Kolab
Year of 1st Impoundment: 1986	MDDL: 844.00 m	FRL: 858.00 m
Year of Last Survey: 2011	Catchment Area: 1641.10 Sq. km	Latitude: 18.79
Longitude: 82.60	Reservoir Area at FRL: 112.02 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1986	-	-	1215.00	935.00	280.00	-	-	-
2	2011	CWC (HS)	25	1073.95	859.19	214.76	141.05	141.05	11.61
3	2023	-do-	37	1031.55	839.16	192.38	42.4	183.45	15.10

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 37 Years (Th.Cum/SqKm/yr)
1	1986	-	37	-	3.02
2	2011	25		3.44	
3	2023	12		2.15	

DHOLBAHA DAM

State: Punjab	District: Hoshiarpur	River: Dholbaha Khad
Year of 1st Impoundment: 1987	MDDL: 403.50 m	FRL: 417.00 m
Year of Last Survey: 2021	Catchment Area: 56.14 Sq.Km.	Latitude: 31.74
Longitude: 75.89	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1987	-	-	11.38	10.36	1.02	-	-	-
2	2021	St. Govt. (HS)	34	9.51	9.14	0.37	1.87	1.87	16.43

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 34 years (Th.Cum/SqKm/yr)
1	1987	-	36	-	0.98
2	2021	34		0.98	

JAINTI DAM

State: Punjab	District: Hoshiarpur	River: Soonk
Year of 1st Impoundment: 2003	MDDL: 381.75 m	FRL: 393.00 m
Year of Last Survey: 2021	Catchment Area: 7.10 Sq.Km.	Latitude: 30.81
Longitude: 76.78	Reservoir Area at FRL: 0.55 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2003	-		2.87	2.62	0.26			
2	2021	St. Govt. (HS)	18	2.21	2.15	0.06	0.67	0.67	23.16

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 18 years (Th.Cum/SqKm/yr)
1	2003	-	20	-	5.20
2	2021	18		5.20	

JANAURI DAM

State: Punjab	District: Hoshiarpur	River: Janauri Khad
Year of 1st Impoundment: 1986	MDDL: 381.75 m	FRL: 403.00 m
Year of Last Survey: 2021	Catchment Area: 6.10 Sq.Km.	Latitude: 31.71
Longitude: 75.90	Reservoir Area at FRL: 0.42 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of Data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1986	-		2.28	1.84	0.44	-	-	-
2	2021	St. Govt. (HS)	35	0.94	0.91	0.04	1.34	1.34	58.73

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 35 years (Th.Cum/SqKm/yr)
1	1986	-	37	-	6.27
2	2021	35		6.27	

MAILI DAM

State: Punjab	District: Hoshiarpur	River: Maili Choe
Year of 1st Impoundment: 1986	MDDL: 364.00 m	FRL: 373.00 m
Year of Last Survey: 2021	Catchment Area: 17.00 Sq.Km.	Latitude: 31.42
Longitude: 76.11	Reservoir Area at FRL: 0.71 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1986	-	-	4.81	4.13	0.68	-	-	-
2	2021	St. Govt. (HS)	35	2.46	2.44	0.02	2.35	2.35	48.86

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 35 years (Th.Cum/SqKm/yr)
1	1986	-	37	-	3.95
2	2021	35		3.95	

MIRZAPUR

State: Punjab	District: Hoshiarpur	River: Budki
Year of 1st Impoundment: 1996	MDDL: 366.0 m	FRL: 381.882 m
Year of Last Survey: 2021	Catchment Area: 13.90 Sq.Km.	Latitude: 30.90
Longitude: 76.71	Reservoir Area at FRL: 0.55 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1996	-	-	4.30	3.15	1.15	-	-	-
2	2021	St.Govt. (HS)	25	1.18	1.18	0	3.12	3.12	72.44

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 25 years (Th.Cum/SqKm/yr)
1	1996	-	27	-	8.96
2	2021	25		8.96	

PATIARI DAM

State: Punjab	District: Hoshiarpur	River: Patiali
Year of 1st Impoundment: 2002	MDDL: 402.50 m	FRL: 429.50 m
Year of Last Survey: 2021	Catchment Area: 11.71 Sq.Km.	Latitude: 31.52
Longitude: 76.07	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2002	-		3.46	3.29	0.17	-	-	-
2	2021	St. Govt. (HS)	19	1.62	1.62	0	1.84	1.84	53.09

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 19 years (Th.Cum/SqKm/yr)
1	2002	-	21	-	8.26
2	2021	19		8.26	

PERCH DAM

State: Punjab	District: Hoshiarpur	River: Perch Khad
Year of 1st Impoundment: 1993	MDDL: 400.62 m	FRL: 406.10 m
Year of Last Survey: 2021	Catchment Area: 5.60 Sq.Km.	Latitude: 30.82
Longitude: 76.81	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1993	-		1.25	0.57	0.68	-	-	-
2	2021	St. Govt. (HS)	28	0.09	0.09	0	1.16	1.16	92.50

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 28 years (Th.Cum/SqKm/yr)
1	1993	-	30	-	7.37
2	2021	28		7.37	

SALERAN DAM

State: Punjab	District: Hoshiarpur	River: Saleran
Year of 1st Impoundment: 1998	MDDL: 389.00 m	FRL: 409.50 m
Year of Last Survey: 2021	Catchment Area: 7.20 Sq.Km.	Latitude: 31.60
Longitude: 75.99	Reservoir Area at FRL: 0.36 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1998	-		7.55	7.52	0.03	-	-	-
2	2021	St. Govt. (HS)	23	4.64	4.64	0	2.90	2.90	38.44

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 23years (Th.Cum/SqKm/yr)
1	1998	-	25	-	17.51
2	2021	23		17.51	

SISWAN DAM

State: Punjab	District: Hoshiarpur	River: Siswan
Year of 1st Impoundment: 1996	MDDL: 377.20m	FRL: 389.50m
Year of Last Survey: 2021	Catchment Area: 15.20 Sq.Km.	Latitude: 30.87
Longitude: 76.75	Reservoir Area at FRL: 0.86 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1996	-	-	4.80	3.43	1.37	-	-	-
2	2021	St. Govt. (HS)	25	2.90	2.90	0	1.90	1.90	39.53

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 25 years (Th.Cum/SqKm/yr)
1	1996	-	27	-	4.99
2	2021	25		4.99	

THEIN RESERVOIR

State: Punjab	District: NA	River: Ravi
Year of 1st Impoundment : 1999	MDDL: NA	FRL: NA
Year of Last Survey: 2022	Catchment Area: 6100.00 Sq.Km.	Latitude: 32.44
Longitude: 75.73	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1999	-	-	3280.00	2344.00	936.00	-	-	-
2	2022	CWC (RS)	23	-	2147.27	-	196.73	196.73	8.39

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 23 years (Th.Cum/SqKm/yr)
1	1999	-	24	-	1.40*
2	2022	23		1.40	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

BISALPUR

State: Rajasthan	District: Tonk	River: Banas
Year of 1st Impoundment: 2004	MDDL: 304.60 m	FRL: 315.50 m
Year of Last Survey: 2021	Catchment Area: 27726.00 Sq. km	Latitude: 25.91
Longitude: 75.44	Reservoir Area at FRL: 213.00 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	%Cumulative
1	2004	-	-	1095.84	1039.22	56.62	-	-	-
2	2009	CWC (RS)	5	-	946.25	-	-	-	-
3	2021	CWC (HS)	17	1029.94	994.22	35.73	65.90	65.90	6.01

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 17 years (Th.Cum/SqKm/yr)
1	2004	-	19	-	0.14
2	2009	5		-	
3	2021	12		0.14	

CHHAPI

State: Rajasthan	District: Jhalawar	River: Chhapi
Year of 1st Impoundment: 2006	MDDL: 329.70 m	FRL: 342.60 m
Year of Last Survey: 2023	Catchment Area: 751.53 Sq.km	Latitude: 24.35
Longitude: 76.48	Reservoir Area at FRL: 10.64 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2006	-	-	82.57	73.57	9.0	-	-	-
2	2023	CWC (HS)	17	73.48	68.71	4.77	9.09	9.09	11.01

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 17 years (Th. Cum/SqKm/yr)
1	2006	-	17	-	0.71
2	2023	17		0.71	

GAMBHIRI

State: Rajasthan	District: Chittorgarh	River: Gambhiri
Year of 1st Impoundment : 1957	MDDL: 424.90 m	FRL: 431.90 m
Year of Last Survey: 2023	Catchment Area: 948.04 Sq.km	Latitude: 24.70
Longitude: 74.71	Reservoir Area at FRL: 20.20 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1984	Survey data	-	55.01	53.48	1.53	-	-	-
2	2023	CWC (HS)	39	54.33	52.99	1.34	0.68	0.68	1.24

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 39 years (Th.Cum/SqKm/yr)
1	1984	27	66	-	0.02
2	2023	12		0.02	

GUDHA

State: Rajasthan	District: Bundi	River: Mej
Year of 1st Impoundment: 1958	MDDL: 295.35 m	FRL: 305.86 m
Year of Last Survey: 2007	Catchment Area: 744.96 Sq. km	Latitude: 25.50
Longitude: 75.46	Reservoir Area at FRL: 18.59 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1958	-	-	95.57	93.59	1.98			
2	2007	CWC (RS)	49	-	68.39	-	25.20	25.20	26.93

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 49 years (Th.Cum/SqKm/yr)
1	1958	-	65	-	0.69*
2	2007	49		0.69	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

JAISAMAND

State: Rajasthan	District : Udaipur	River : Gomti
Year of 1st Impoundment : 1973	MDDL: 287.16 m	FRL: 295.54 m
Year of Last Survey: 2023	Catchment Area: 1792.19 Sq.km	Latitude: 24.24
Longitude: 73.95	Reservoir Area at FRL: 51.67 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1973	-	-	422.74	298.09	124.65	-	-	-
2	2023	CWC (HS)	50	373.46	280.54	92.92	49.28	49.28	11.66

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 50 years (Th.Cum/SqKm/yr)
1	1973	-	50	-	0.55
2	2023	50		0.55	

JAKHAM

State: Rajasthan	District: Pratapgarh	River: Jakham
Year of 1st Impoundment: 1986	MDDL: 332.00 m	FRL: 359.50 m
Year of Last Survey: 2021	Catchment Area: 1010.00 Sq. km	Latitude: 24.17
Longitude: 74.59	Reservoir Area at FRL: 11.90 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2002	Survey data	-	182.73	175.45	7.28	-	-	-
2	2021	CWC (HS)	19	168.35	162.69	5.67	14.38	14.38	7.87

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 19 years (Th.Cum/SqKm/yr)
1	2002	-	37	-	0.75
2	2021	19		0.75	

JAWAHAR SAGAR

State: Rajasthan	District : Bundi	River: Chambal
Year of 1st Impoundment: 1972	MDDL: 295.66 m	FRL: 298.70 m
Year of Last Survey: 2023	Catchment Area: 2331.00 Sq.km	Latitude: 25.04
Longitude: 75.68	Reservoir Area at FRL: 10.00 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1972	-	-	67.11	24.07	43.04	-	-	-
2	2023	CWC (HS)	51	61.03	24.38	36.65	6.08	6.08	9.06

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation in For 51 years (Th.Cum/SqKm/yr)
1	1972		51	-	0.05
2	2023	51		0.05	

JAWAI

State: Rajasthan	District : Junagarh	River: Jawai
Year of 1st Impoundment: 1950	MDDL: 967.00 m	FRL: 1028.25 m
Year of Last Survey: 2009	Catchment Area: 733.00 Sq.km	Latitude: 25.09
Longitude: 73.15	Reservoir Area at FRL: 28.00 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1950	-	-	207.52	193.49	14.03	-	-	-
2	2009	CWC (RS)	59	-	196.79	-	-	-	-
3	2021	CWC (HS)	71	201.37	199.30	2.07	6.15	6.15	2.96

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 71 Years (Th.Cum/SqKm/yr)
1	1950	-	73	-	0.12
2	2009	59		-	
3	2021	12		0.12	

KOTA BARRAGE

State: Rajasthan	District : Kota	River : Chambal
Years of 1st Impoundment: 1960	MDDL: 254.80 m	FRL: 260.30 m
Year of Last Survey: 2021	Catchment Area : 2005.00 Sq.Km.	Latitude : 25.18
Longitude: 75.82	Reservoir Area at FRL : 5.82 Sq.km	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1960	-	-	112.06	29.92	82.14	-	-	-
2.	2021	CWC (HS)	61	100.84	29.04	71.80	11.22	11.22	10.01

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 62 years (Th.Cum/Sqkm/yr)
1.	1960	-	63	-	0.09
2.	2021	61		0.09	

MAHI BAJAJ SAGAR

State: Gujarat	District: Banswara	River: Mahi
Year of 1st Impoundment: 1983	MDDL: 259.00 m	FRL: 281.50 m
Year of Last Survey: 2005	Catchment Area: 6149.00 Sq. km	Latitude: 23.63
Longitude: 74.54	Reservoir Area at FRL: 134.00 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	%Cumulative
1	1983	-	-	2180.00	1833.50	346.50	-	-	-
2	1993	CWC (RS)	10	-	1491.70	-	341.8	341.8	18.64
3	2005	-do-	22	-	1692.29	-	-200.59	141.21	7.70

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 22 Years (Th.Cum/SqKm/yr)
1	1983	-	40	-	1.04*
2	1993	10		5.56	
3	2005	12		-	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

ORA

State : Rajasthan	District : Sirohi	River: Khari
Years of 1st Impoundment : 1958	MDDL : 33.53 m	FRL : 41.00 m
Year of Last Survey : 2023	Catchment Area: 235.52 Sq.Km.	Latitude : 25.03
Longitude: 72.81	Reservoir Area at FRL: 5.69 Sq.Km	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1958	-	-	22.65	22.28	0.37	-	-	-
2.	2023	CWC (HS)	65	20.51	20.47	0.03	2.14	2.14	9.45

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 65 years (Th.Cum/Sqkm/yr)
1.	1958	-	65	-	0.14
2.	2023	65		0.14	

PANCHANA

State: Rajasthan	District : Sawaimadhopur	River : Utangan/Gambhir
Year of 1st Impoundment : 2006	MDDL: 247.10 m	FRL: 258.62 m
Year of Last Survey: 2023	Catchment Area: 620.31 Sq.km	Latitude: 26.56
Longitude: 77.00	Reservoir Area at FRL: 9.41 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2006	-	-	59.45	52.65	6.80	-	-	-
2	2023	CWC (HS)	17	51.32	48.11	3.21	8.13	8.13	13.68

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 17 years (Th.Cum/SqKm/yr)
1	2006	-	17	-	0.77
2	2023	17		0.77	

PARBATI

State: Rajasthan	District: Dhaulpur	River: Parbati
Year of 1st Impoundment: 1963	MDDL: 212.60 m	FRL: 223.11 m
Year of Last Survey: 2018	Catchment Area: 786.00 Sq.km.	Latitude: 26.64
Longitude: 77.45	Reservoir Area at FRL: 23.04 Sq.km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1963	-	-	115.24	102.89	12.34	-	-	-
2	2003	CWC (RS)	40	-	86.40	-	-	-	-
3	2021	CWC (HS)	58	89.28	84.16	5.12	25.96	25.96	22.53

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 58 Years (Th.Cum/SqKm/yr)
1	1963	-	60	-	0.57
2	2003	40		-	
3	2021	18		0.57	

RAJ SAMAND

State : Rajasthan	District : Rajsamand	River : Chambal
Years of 1st Impoundment : 1676	MDDL : 550.16m	FRL : 559.31 m
Year of Last Survey : 2021	Catchment Area : 513.80 Sq.Km.	Latitude : 25.07
Longitude : 73.88	Reservoir Area at FRL : 18.14 Sq.km.	

Survey Details

S.No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1676	-	-	107.15	98.65	8.50	-	-	-
2.	2021	CWC (HS)	345	107.65	93.10	14.55	-0.50	-0.50	-0.47

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 345 years (Th.Cum/Sqkm/yr)
1.	1676	-	347	-	-
2.	2021	345		-	

RAMSAGAR

State: Rajasthan	District: Alwar	River: Bamani
Year of 1st Impoundment: 1905	MDDL: NA	FRL: NA
Year of Last Survey: 2003	Catchment Area: 176.00 Sq.km	Latitude: 26.30
Longitude: 75.16	Reservoir Area at FRL: 2.60 Sq. Km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1905	-	-	30.83	29.39	1.44	-	-	-
2	2003	CWC (RS)	98	-	24.66	-	4.73	4.73	16.09

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 98 years (Th.Cum/SqKm/yr)
1	1905	-	118	-	0.27*
2	2003	98		0.27	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

RANAPRATAP SAGAR

State : Rajasthan	District : Chittorgarh	River : Chambal
Years of 1st Impoundment : 1970	MDDL : 342.99 m	FRL : 352.80 m
Year of Last Survey : 2021	Catchment Area: 2280.00 Sq. Km.	Latitude : 24.92
Longitude : 75.58	Reservoir Area at FRL : 199.72 Sq. Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1970	-	-	3128.11	1715.74	1412.37	-	-	-
2.	2002	CWC (RS)		-	1720.13	-	-	-	-
3.	2011	CWC (HS)	41	2889.52	1715.74	1173.78	238.59	238.59	7.63
4.	2021	-do-	51	2831.20	1702.71	1128.71	58.32	296.21	9.49

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 51 years (Th.Cum/Sqkm/yr)
1.	1970	-	53	-	2.55
2.	2002			-	
3.	2011	41		2.55	
4.	2021	10		2.56	

SOM KAMLA AMBA

State : Rajasthan	District : Dungarpur	River : Som
Years of 1st Impoundment : 1992	MDDL : 200.50 m	FRL : 213.50 m
Year of Last Survey : 2021	Catchment Area : 1242.50 Sq.Km.	Latitude: 23.98
Longitude : 74.03	Reservoir Area at FRL : 36.18 Sq.km	

Survey Details

S.No	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1992	-	-	188.72	176.34	12.38	-	-	-
2.	2021	CWC (HS)	29	175.23	167.60	7.63	13.49	13.49	7.15

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 29 years (Th.Cum/Sqkm/yr)
1.	1992	-	31	-	0.37
2.	2021	29		0.37	

SUKLI SELWARA

State: Rajasthan	District: Sirohi	River: Sukli
Year of 1st Impoundment: 2008	MDDL: 261.90 m	FRL: 268.50 m
Year of Last Survey: 2023	Catchment Area: 201.96 Sq. km	Latitude: 24.65
Longitude: 72.61	Reservoir Area at FRL: 8.15 Sq. Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2008	-	-	29.52	25.58	3.94	-	-	-
2	2023	CWC (HS)	15	27.76	24.31	3.45	1.76	1.76	5.96

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 99 Years (Th.Cum/SqKm/yr)
1	2008	-	15	-	0.58
2	2023	15		0.58	

URMILA SAGAR

State: Rajasthan	District: Dhaulpur	River: Babudhen
Year of 1st Impoundment: 1905	MDDL: NA	FRL: NA
Year of Last Survey: 2004	Catchment Area: 77.70 Sq. km	Latitude: 26.65
Longitude: 77.76	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1905	-	-	16.22	15.14	1.08	-	-	-
2	2004	CWC (RS)	99	-	14.69	-	0.45	0.45	2.97

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 99 Years (Th.Cum/SqKm/yr)
1	1905	-	118	-	0.06*
2	2004	99		0.06	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

WEST BANAS

State : Rajasthan	District : Sirohi	River : West Banas
Years of 1st Impoundment : 1962	MDDL : NA	FRL : 334.45 m
Year of Last Survey : 2023	Catchment Area : 414.40 Sq.Km.	Latitude : 24.69
Longitude : 72.94	Reservoir Area at FRL: 8.21 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1962	-	-	39.08	36.25	2.83	-	-	-
2.	2023	CWC (HS)	61	34.21	33.67	0.55	4.87	4.87	12.46

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 61 years (Th.Cum/Sqkm/yr)
1.	2008	-	61	-	0.19
2.	2023	61		0.19	

RANGIT-III

State: Sikkim	District : North District	River: Rangit
Year of 1st Impoundment:: 2000	MDDL: 627.00 m	FRL: 639.00 m
Year of Last Survey: 2018	Catchment Area: 979.00 Sq.km	Latitude: 27.29
Longitude: 88.29	Reservoir Area at FRL: 0.171 Sq.km	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2000	-	-	1.79	1.17	0.62	-	-	-
2	2018	St. Govt (HS)	18	0.69	0.67	0.02	1.10	1.10	61.45

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 18 Years (Th.Cum/SqKm/yr)
1	2000	-	23	-	0.06
2	2018	18		0.06	

TEESTA-V

State: Sikkim	District : North District	River: Teesta
Year of 1st Impoundment: 2008	MDDL: 568.00 m	FRL: 579.00 m
Year of Last Survey: 2018	Catchment Area: 4307.00 Sq.km	Latitude: 27.25
Longitude: 88.46	Reservoir Area at FRL: 0.58 Sq.km	

Survey Details

S. No .	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2008	-	-	13.52	6.28	7.24	-	-	-
2	2018	St. Govt (HS)	10	9.3	5.57	4.9	4.22	4.22	31.21

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 10 Years (Th.Cum/SqKm/yr)
1	2008	-	15	-	0.10
2	2018	10		0.10	

ADVINAINAR

State: Tamil Nadu	District : Thirunelveli	River: Hanumannathi
Year of 1st Impoundment: 2003	MDDL: 206.80 m	FRL: 247.0 m
Year of Last Survey: 2010	Catchment Area: 15.54 Sq.km	Latitude: 9.07
Longitude: 77.23	Reservoir Area at FRL: 0.35 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2003	-	-	4.928	4.928	0	-	-	-
2	2010	St. Govt (HS)	7	4.84	4.84	0	0.09	0.09	1.79

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 7 Years (Th.Cum/SqKm/yr)
1	2003	-	20	-	0.81
2	2010	7		0.81	

ALIYAR

State: Tamil Nadu	District: Coimbatore	River: Aliyar
Year of 1st Impoundment: 1962	MDDL: N.A	FRL: 320.04 m
Year of Last Survey: 2005	Catchment Area: 195.00 Sq. km	Latitude: 10.47
Longitude: 76.97	Reservoir Area at FRL: 6.48 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	%Cumulative
1	1962	-	-	112.754	-	-	-	-	-
2	1986	St.Govt. (HS)	24	107.382	-	-	5.372	5.372	4.76
3	1994	-do-	32	108.262	-	-	-0.880	4.492	3.98
4	2004	-do-	42	103.414	-	-	4.848	9.340	8.28
5	2005	CWC (RS)	43	-	99.84	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 42 Years (Th.Cum/SqKm/yr)
1	1962	-	61		1.14
2	1986	24		1.15	
3	1994	8		-	
4	2004	10		2.49	
5	2005	1		-	-

AMRAVATHY

State: Tamil Nadu	District: Tirupur	River: Amravathy
Year of 1st Impoundment: 1958	MDDL: NA	FRL: 358.14 m
Year of Last Survey: 2013	Catchment Area: 839.16 Sq. km	Latitude: 10.41
Longitude: 77.26	Reservoir Area at FRL: 8.50 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1958	-	-	117.163	114.541	2.622	-	-	-
2	1986	St.Govt. (HS)	28	100.32	-	-	16.843	16.843	14.38
3	1994	-do-	36	97.32	-	-	3	19.843	16.94
4	2004	-do-	46	96.5	-	-	0.82	20.663	17.64
5	2009	CWC (RS)	51	-	94.54	-	-	-	-
6	2013	St.Govt. (HS)	55	94.58	-	-	1.92	22.58	19.27

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 55 Years (Th.Cum/SqKm/yr)
1	1958	-	65	-	0.49
2	1986	28		0.72	
3	1994	8		0.45	
4	2004	10		0.10	
5	2009	5		-	
6	2013	4		0.25	

ANAIKUTTAM

State: Tamil Nadu	District: Virudhunagar	River: Arjuna
Year of 1st Impoundment: 1990	MDDL: 87.50 m	FRL: 95.00 m
Year of Last Survey: 2014	Catchment Area: 795.27 Sq. km	Latitude: 9.51
Longitude: 77.81	Reservoir Area at FRL: 1.98 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1990	-	-	3.602	3.452	0.15	-	-	-
2	2014	St.Govt. (HS)	24	3.259	3.259	0	0.34	0.34	9.52

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 24 Years (Th.Cum/SqKm/yr)
1	1990	-	33	-	0.02
2	2014	24		0.02	

ANAIMADUVU

State: Tamil Nadu	District : Salem	River: Anaimaduvu
Year of 1st Impoundment : 1993	MDDL: 206.8 m	FRL: 416.5 m
Year of Last Survey: 2013	Catchment Area: 145.02 Sq.km	Latitude: 11.77
Longitude: 78.43	Reservoir Area at FRL: 1.07 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	%Cumulative
1	1993	-	-	7.56	7.42	0.14	-	-	-
2	2013	St. Govt (HS)	20	7.247	-	-	0.31	0.31	4.14

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 20 Years (Th.Cum/SqKm/yr)
1	1993	-	30	-	0.11
2	2013	20		0.11	

BARUR TANK

State: Tamil Nadu	District : Krishnagiri	River: Pannaiyar
Year of 1st Impoundment: 1919	MDDL: NA	FRL: NA
Year of Last Survey: 1986	Catchment Area: 35.07 Sq.km	Latitude: 12.31
Longitude: 78.32	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1919	-	-	7.04	-	-	-	-	-
2	1986	St. Govt (HS)	67	6.86	-	-	0.18	0.18	2.56

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 67 Years (Th.Cum/SqKm/yr)
1	1919	-	104	-	0.08
2	1986	67		0.08	

BERIJAM

State: Tamil Nadu	District : Dindigul	River: NA
Year of 1st Impoundment: 1911	MDDL: 2135.73 m	FRL: 2144.27 m
Year of Last Survey: 1987	Catchment Area: 7.77 Sq.km	Latitude: 10.18
Longitude: 77.40	Reservoir Area at FRL: 0.42 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1911	-	-	2.195	2.195	0	-	-	-
2	1987	St. Govt (HS)	76	1.804	1.804	0	0.39	0.39	17.81

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 76 Years (Th.Cum/SqKm/yr)
1	1911	-	112	-	0.66
2	1987	76		0.66	

BHAVANI SAGAR

State: Tamil Nadu	District: Erode	River: Bhavani
Year of 1st Impoundment: 1953	MDDL: 256.06 m	FRL: 278.89 m
Year of Last Survey: 2022	Catchment Area: 4134.50 Sq. km	Latitude: 11.48
Longitude: 77.09	Reservoir Area at FRL: 72.68 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1953	-	-	813.56	792.46	21.10	-	-	-
2	2006	CWC (HS)	53	735.82	725.94	9.88	77.74	77.74	9.56
3	2021	-do-	68	715.64	709.17	6.47	20.18	97.92	12.04

Sedimentation Details

S.No.	Year of Survey	Year of elapsed since last survey	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 68 years (Th.Cum/SqKm/yr)
1	1953	-	70	-	0.35
2	2006	53		0.35	
3	2021	15		0.33	

CHITTAR-I

State: Tamil Nadu	District: Kanyakumari	River: Chittar
Year of 1st Impoundment: 1970	MDDL: 62.80 m	FRL: 81.99 m
Year of Last Survey: 1997	Catchment Area: 22.01 Sq. km	Latitude: 8.44
Longitude: 77.28	Reservoir Area at FRL: 2.93 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1970	-	-	17.28	11.13	6.15	-	-	-
2	1997	St.Govt (HS).	27	14.43	11.13	3.3	2.85	2.85	16.49

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 27 Years (Th.Cum/SqKm/yr)
1	1970	-	53	-	4.80
2	1997	27		4.80	

CHITTAR-II

State: Tamil Nadu	District: Kanyakumari	River: Chittar
Year of 1st Impoundment: 1972	MDDL: 64.01 m	FRL: 81.99 m
Year of Last Survey: 2010	Catchment Area: 26.16 Sq. km	Latitude: 8.44
Longitude: 77.25	Reservoir Area at FRL: 4.15 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1972	-	-	28.59	17	11.59	-	-	-
2	1998	St.Govt (HS)	26	23.81	17	6.81	4.78	4.78	16.72
3	2010	-do-	38	22.66	17	5.66	1.15	5.93	20.74

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 38 Years (Th.Cum/SqKm/yr)
1	1972	-	51	-	5.97
2	1998	26		7.03	
3	2010	12		3.66	

EMERALD AVALANCHI

State: Tamil Nadu	District: Nilgiris	River: Kundah
Year of 1st Impoundment: 1961	MDDL: 1943.10 m	FRL: 1985.80 m
Year of Last Survey: 2000	Catchment Area: 58.53 Sq.km	Latitude: 11.32
Longitude: 76.61	Reservoir Area at FRL: 3.95 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1961	-	-	156.750	152.800	3.95	-	-	-
2	1981	CWC (HS)	20	145.700	145.700	0	11.05	11.05	7.05
3	2000	-do-	39	149.574	-	-	-3.87	7.18	4.58

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operation As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 39 Years (Th.Cum/SqKm/yr)
1	1961	-	62	-	3.14
2	1981	20		9.44	
3	2000	19		-	

GADANA

State: Tamil Nadu	District : Tirunelveli	River: Gadana
Year of 1st Impoundment: 1971	MDDL: 106.68 m	FRL: 132.58 m
Year of Last Survey: 2003	Catchment Area: 46.46 Sq.km	Latitude: 8.80
Longitude: 77.31	Reservoir Area at FRL: 0.80 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1971	-	-	9.969	9.969	0	-	-	-
2	2003	St. Govt (HS)	32	8.126	8.126	0	1.84	1.84	18.49

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 32 Years (Th.Cum/SqKm/yr)
1	1971	-	52	-	1.24
2	2003	32		1.24	

GLENNMORGAN (FB)

State: Tamil Nadu	District: Nilgries	River: Glennmorgan
Year of 1st Impoundment: 1976	MDDL: 1962.90 m	FRL: 1972.10 m
Year of Last Survey: 1998	Catchment Area: 12.43 Sq.km	Latitude: 11.50
Longitude: 76.60	Reservoir Area at FRL: 0.31 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1976	-	-	5.85	5.85	0	-	-	-
2	1998	St.Govt. (HS)	22	3.55	3.55	0	2.30	2.30	39.32

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 22 Years (Th.Cum/SqKm/yr)
1	1976	-	47	-	8.41
2	1998	22		8.41	

GLENNMORGAN (KARIAPPA)

State: Tamil Nadu	District: Nilguries	River: Glennmorgan
Year of 1st Impoundment: 1930	MDDL: N.A	FRL: 2018.69 m
Year of Last Survey: 2013	Catchment Area: 2.59 Sq.km	Latitude: 11.48
Longitude: 76.58	Reservoir Area at FRL: 0.17 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1930	-	-	0.74	0.74	0	-	-	-
2	2013	St.Govt. (HS)	83	0.70	0.70	0	0.04	0.04	5.41

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 83 Years (Th.Cum/SqKm/yr)
1	1930	-	93	-	0.19
2	2013	83		0.19	

GOMUKHINATHI

State: Tamil Nadu	District : Villupuram	River: Gomukhi(Vellar)
Year of 1st Impoundment: 1965	MDDL: N.A	FRL: 183.18 m
Year of Last Survey: 2002	Catchment Area: 292.67 Sq.km	Latitude: 11.77
Longitude: 78.82	Reservoir Area at FRL: 3.6 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1965	-	-	15.86	15.86	0	-	-	-
2	2002	St. Govt (HS)	37	12.947	-	-	2.91	2.91	18.37

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 37 Years (Th.Cum/SqKm/yr)
1	1965	-	58	-	0.27
2	2002	37		0.27	

GUNDERIPALLAM

State: Tamil Nadu	District: Erode	River: Gunderipallam
Year of 1st Impoundment: 1979	MDDL: N.A	FRL: 300.09 m
Year of Last Survey: 2010	Catchment Area: 72.23 Sq.km	Latitude: 11.57
Longitude: 77.37	Reservoir Area at FRL: 0.61 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gros Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	%Cumulative
1	1979	-	-	3.06	3.06	0	-	-	-
2	2010	St.Govt. (HS)	31	2.76	-	-	0.30	0.30	9.80

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 31 Years (Th.Cum/SqKm/yr)
1	1979	-	44	-	0.13
2	2010	31		0.13	

KAMRAJ SAGAR

State: Tamil Nadu	District: Nilgries	River: Kundah
Year of 1st Impoundment: 1963	MDDL: 2127.46 m	FRL: 2145.51 m
Year of Last Survey: 2002	Catchment Area: 44.04 Sq.km	Latitude: 11.44
Longitude: 76.65	Reservoir Area at FRL: 0.85 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1963	-	-	26.62	23.11	3.51	-	-	-
2	2002	St.Govt. (HS)	39	19.790	19.790	0	6.83	6.83	25.66

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 39 Years (Th.Cum/SqKm/yr)
1	1963	-	60	-	3.98
2	2002	39		3.98	

KAVERIPAKKAM

State: Tamil Nadu	District : Vellore	River: Palar
Year of 1st Impoundment: 1902	MDDL: NA	FRL: 137.7 m
Year of Last Survey: 1996	Catchment Area: 157.99 Sq.km	Latitude: 12.95
Longitude: 79.46	Reservoir Area at FRL: 16.06 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1902	-	-	41.73	41.73	0	-	-	-
2	1989	St. Govt (HS)	87	37.22	-	-	4.51	4.51	10.81
3	1996	-do-	94	36.93	-	-	0.29	4.80	11.50

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 94 Years (Th.Cum/SqKm/yr)
1	1902	-	121	-	0.32
2	1989	87		0.33	
3	1996	7		0.26	

KODAGANAR

State: Tamil Nadu	District: Dindigul	River: Kodaganar
Year of 1st Impoundment: 1977	MDDL: 192.00 m	FRL: 200.25 m
Year of Last Survey: 2007	Catchment Area: 1670.00 Sq.km	Latitude: 10.58
Longitude: 77.98	Reservoir Area at FRL: 4.12 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1977	-	-	12.291	12.291	0	-	-	-
2	2007	St.Govt. (HS)	30	10.136	10.136	0	2.16	2.16	17.53

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 30 Years (Th.Cum/SqKm/yr)
1	1977	-	46	-	0.04
2	2007	30		0.04	

KRISHNAGIRI

State: Tamil Nadu	District: Krishnagiri	River: Ponnaiyar
Year of 1st Impoundment: 1957	MDDL: NA	FRL: 483.11 m
Year of Last Survey: 2014	Catchment Area: 5428.00 Sq.km	Latitude: 12.48
Longitude: 78.19	Reservoir Area at FRL: 12.46 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1957	-	-	68.2	66.1	2.1	-	-	-
2	1976	St. Govt (HS)	19	50.47	-	-	17.73	17.73	26.00
3	1981	-do-	24	47.78	-	-	2.69	20.42	29.94
4	1983	-do-	26	47.18	-	-	0.6	21.02	30.82
5	2006	-do-	49	39.7	-	-	7.48	28.50	41.79
6	2014	CWC (RS)	57	-	43.537	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 49 Years (Th.Cum/SqKm/yr)
1	1957	-	66	-	0.11
2	1976	19		0.17	
3	1981	5		0.10	
4	1983	2		0.06	
5	2006	23		0.06	
6	2014	8		-	-

KUNDAH

State: Tamil Nadu	District: Nilgiris	River: Kundah
Year of 1st Impoundment: 1960	MDDL: 1609.34 m	FRL: 1624.60 m
Year of Last Survey: 1982	Catchment Area: 113.96 Sq.km	Latitude: 11.28
Longitude: 76.65	Reservoir Area at FRL: 2.10 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1960	-	-	1.76	1.56	0.2	-	-	-
2	1977	St.Govt. (HS)	17	0.78	0.78	0	0.98	0.98	55.68
3	1982	-do-	22	0.65	0.65	0	0.13	1.11	63.07

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 22 Years (Th.Cum/SqKm/yr)
1	1960	-	63	-	0.44
2	1977	17		0.51	
3	1982	5		0.23	

KUDHIRAIYAR

State: Tamil Nadu	District: Dindigul	River: Kudhiraiyar
Year of 1st Impoundment: 1990	MDDL: N.A	FRL: 386.38 m
Year of Last Survey: 2002	Catchment Area: 71.40 Sq.km	Latitude: 10.38
Longitude: 77.37	Reservoir Area at FRL: 0.73 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1990	-	-	7.36	7.36	0	-	-	-
2	2002	St.Govt. (HS)	12	7.31	-	-	0.05	0.05	0.68

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 12 Years (Th.Cum/SqKm/yr)
1	1990	-	33	-	0.06
2	2002	12		0.06	

MADHURANTHAGAM

State: Tamil Nadu	District : Kancheepuram	River : Killivaru
Year of 1st Impoundment : 1798	MDDL: NA	FRL: 31.05 m
Year of Last Survey: 2005	Catchment Area: 34.82 Sq.km	Latitude: 12.53
Longitude: 79.87	Reservoir Area at FRL: 9.76 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1798	-	-	17.25	17.25	0	-	-	-
2	2005	St. Govt (HS)	207	16.08	-	-	1.17	1.17	6.78

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 207 Years (Th.Cum/SqKm/yr)
1	1798	-	225	-	0.16
2	2005	207		0.16	

MANIMUKTHANADI

State: Tamil Nadu	District : Villupuram	River : Manimuktha
Year of 1st Impoundment : 1970	MDDL: NA	FRL: 36.0 m
Year of Last Survey: 2012	Catchment Area: 478.72 Sq.km	Latitude: 11.81
Longitude: 78.99	Reservoir Area at FRL: 7.37 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1970	-	-	20.88	20.88	-	-	-	-
2	2012	St. Govt (HS)	42	18.276	-	-	2.60	2.60	12.47

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 42 Years (Th.Cum/SqKm/yr)
1	1970	-	53	-	0.13
2	2012	42		0.13	

MANIMUTHAR

State: Tamil Nadu	District : Thirunelveli	River : Thamirabarani
Year of 1st Impoundment : 1958	MDDL: 73.15 m	FRL: 109.12 m
Year of Last Survey: 2006	Catchment Area: 161.62 Sq.km	Latitude: 8.65
Longitude: 77.41	Reservoir Area at FRL: 9.4 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1958	-	-	159.734	159.502	0.232	-	-	-
2	1980	St. Govt (HS)	22	155.41	155.41	0	4.324	4.324	2.71
3	1988	-do-	30	154.2207	154.2207	0	1.19	5.51	3.45
4	2006	-do-	48	149.448	149.448	0	4.77	10.29	6.44

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 48 Years (Th.Cum/SqKm/yr)
1	1958	-	65	-	1.33
2	1980	22		1.22	
3	1988	8		0.92	
4	2006	18		1.64	

MANJALAR

State: Tamil Nadu	District : Theni	River : Manjalar
Year of 1st Impoundment : 1967	MDDL: 288.95 m	FRL: 306.32 m
Year of Last Survey: 2009	Catchment Area: 119.14 Sq.km	Latitude: 10.20
Longitude: 77.63	Reservoir Area at FRL: 1.97 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1967	-	-	13.759	13.759	0	-	-	-
2	1992	St. Govt (HS)	25	10.632	10.632	0	3.13	3.127	22.73
3	1996	-do-	29	10.369	10.369	0	0.26	3.39	24.64
4	2009	-do-	42	9.447	9.447	0	0.92	4.31	31.34

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 42 Years (Th.Cum/SqKm/yr)
1	1967	-	56	-	0.86
2	1992	25		1.05	
3	1996	4		0.55	
4	2009	13		0.59	

MANODAI

State: Tamil Nadu	District: Erode	River: Bhavani
Year of 1st Impoundment: 1962	MDDL: N.A	FRL: N.A
Year of Last Survey: 1986	Catchment Area: 21.42 Sq.km	Latitude: 10.97
Longitude: 78.95	Reservoir Area at FRL: 1.90 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1962	-	-	2.47	-	-	-	-	-
2	1986	St. Govt. (HS)	24	2.31	-	-	0.16	0.16	6.57

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 61 Years (Th.Cum/SqKm/yr)
1	1962	-	61	-	0.32
2	1986	24		0.32	

MARAVAKANDY

State: Tamil Nadu	District: Nilgiris	River: Pykara
Year of 1st Impoundment: 1947	MDDL: 908.20 m	FRL: 914.00 m
Year of Last Survey: 2004	Catchment Area: 20.72 Sq.km	Latitude: 11.57
Longitude: 76.65	Reservoir Area at FRL: 1.98 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1947	-	-	0.959	0.822	0.137	-	-	-
2	2004	St.Govt. (HS)	57	0.608	0.608	-	0.35	0.35	36.60

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 57 Years (Th.Cum/SqKm/yr)
1	1947	-	76	-	0.30
2	2004	57		0.30	

MARUDHANATHI

State: Tamil Nadu	District: Dindigul	River: Marudhanadhi
Year of 1st Impoundment: 1979	MDDL: 307.85 m	FRL: 327.36 m
Year of Last Survey: 2010	Catchment Area: 53.32 Sq.km	Latitude: 10.26
Longitude: 77.69	Reservoir Area at FRL: 0.66 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1979	-	-	5.34	5.11	0.23	-	-	-
2	1998	St.Govt. (HS)	19	5.22	5.22	0	0.12	0.12	2.21
3	2010	-do-	31	4.93	4.93	0	0.29	0.41	7.70

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 31 Years (Th.Cum/SqKm/yr)
1	1979	-	44	-	0.25
2	1998	19		0.12	
3	2010	12		0.46	

METTUR

State: Tamil Nadu	District: Salem	River: Cauvery
Year of 1st Impoundment: 1934	MDDL: 219.00 m	FRL: 240.80 m
Year of Last Survey: 2004	Catchment Area: 30569.60 Sq.km	Latitude: 11.80
Longitude: 77.80	Reservoir Area at FRL: 138.75 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1934	-	-	2708.76	2646.75	62.01	-	-	-
2	1978	-	44	2264.32	-	-	444.44	444.44	16.41
3	1984	St.Govt. (HS)	50	2175.43	-	-	88.89	533.33	19.69
4	2004	-do-	70	1994.19	-	-	181.24	741.57	26.38
5	2021	CWC (HS)	87	2224.29	2206.61	17.67	-230.10	484.47	17.89

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 87 Years (Th.Cum/SqKm/yr)
1	1934	-	89	-	0.18
2	1978	44		0.33	
3	1984	6		0.48	
4	2004	20		0.30	
5	2021	17		-	

MUKURTHY

State: Tamil Nadu	District: Nilgiris	River: Pykara
Year of 1st Impoundment: 1938	MDDL: 2076.20 m	FRL: 2098.70 m
Year of Last Survey: 2006	Catchment Area: 25.25 Sq.km	Latitude: 11.40
Longitude: 76.56	Reservoir Area at FRL: 3.64 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1938	-	-	50.98	50.71	0.27	-	-	-
2	1993	St.Govt. (HS)	55	34.585	34.585	0	16.40	16.40	32.16
3	2006	-do-	68	31.99	31.99	0	2.60	18.99	37.25

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 68 Years (Th.Cum/SqKm/yr)
1	1938	-	85	-	11.06
2	1993	55		11.81	
3	2006	13		7.91	

NAGAVATHY

State: Tamil Nadu	District: Dharmapuri	River: Nagavathy
Year of 1st Impoundment: 1985	MDDL: N.A	FRL: 354.50 m
Year of Last Survey: 2012	Catchment Area : 105.36 Sq.km	Latitude: 12.06
Longitude: 78.03	Reservoir Area at FRL: 1.18 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1985	-	-	4.652	4.652	0	-	-	-
2	2012	St.Govt. (HS)	27	4.175	-	-	0.48	0.48	10.25

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 27 Years (Th.Cum/SqKm/yr)
s	1985	-	38	-	0.17
2	2012	27		0.17	

PALAR PORANTHALAR

State: Tamil Nadu	District: Dindigul	River: PalarPoranthalar
Year of 1st Impoundment: 1978	MDDL: N.A	FRL: 339.85 m
Year of Last Survey: 2000	Catchment Area: 259.00 Sq.km	Latitude: 10.37
Longitude: 77.49	Reservoir Area at FRL: 5.18 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1978	-	-	43.19	43.19	0	-	-	-
2	2000	St.Govt. (HS)	22	41.63	-	-	1.56	1.56	3.61

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 22 Years (Th.Cum/SqKm/yr)
1	1978	-	45	-	0.27
2	2000	22		0.27	

PAMBAR

State: Tamil Nadu	District : Krishnagiri	River: Pambar
Year of 1st Impoundment : 1983	MDDL: N.A	FRL: 321.0 m
Year of Last Survey: 2013	Catchment Area: 1736.00 Sq.km	Latitude: 12.26
Longitude: 78.56	Reservoir Area at FRL: 1.78 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1983	-	-	7.93	7.02	0.91	-	-	-
2	2013	St. Govt (HS)	30	7.54	-	-	0.39	0.39	4.92

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 30 Years (Th.Cum/SqKm/yr)
1	1983	-	40	-	0.01
2	2013	30		0.01	

PARAPPALAR

State: Tamil Nadu	District: Dindigul	River: Nangangi
Year of 1st Impoundment: 1974	MDDL: 527.31 m	FRL: 554.74 m
Year of Last Survey: 2003	Catchment Area: 72.88 Sq.km	Latitude: 10.43
Longitude: 77.69	Reservoir Area at FRL: 1.15 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1974	-	-	5.606	5.606	0	-	-	-
2	2003	St.Govt. (HS)	29	4.021	4.021	9	1.59	1.59	28.27

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operation as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 29 Years (Th.Cum/SqKm/yr)
1	1974	-	49	-	0.75
2	2003	29		0.75	

PARSON' VALLEY

State: Tamil Nadu	District: Nilgiris	River: Kundah
Year of 1st Impoundment: 1966	MDDL: 2199.51 m	FRL: 2209.83 m
Year of Last Survey: 1995	Catchment Area: 14.50 Sq.km	Latitude: 11.39
Longitude: 76.59	Reservoir Area at FRL: 1.67 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1966	-	-	19.25	17.19	2.06			
2	1988	St.Govt. (HS)	22	12.7	12.7	0	6.55	6.55	34.03
3	1995	-do-	29	11.0	11.0	0	1.70	8.25	42.86

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 29 Years (Th.Cum/SqKm/yr)
1	1966	-	57	-	19.62
2	1988	22		20.53	
2	1995	7		16.75	

PECHIPARAI

State: Tamil Nadu	District: Kanyakumari	River: Kodaiyar
Year of 1st Impoundment: 1971	MDDL: 87.48 m	FRL: 92.05 m
Year of Last Survey: 2013	Catchment Area: 172.00 Sq. km	Latitude: 8.46
Longitude: 77.32	Reservoir Area at FRL: 14.57 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1971	-	-	150.27	123.23	27.04	-	-	-
2	1992	St.Govt. (HS)	21	143.813	123.23	20.583	6.457	6.457	4.30
3	1996	-do-	25	123.652	123.23	0.422	20.161	26.618	17.71
4	2009	-do-	38	109.895	109.895	-	13.757	40.375	26.87
5	2010	CWC (RS)	39	-	120.52	-	-	-	-
6	2013	St.Govt. (HS)	42	106.78	106.78	-	3.12	43.50	28.94

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 42 Years (Th.Cum/SqKm/yr)
1	1971	-	52	-	6.02
2	1992	21		1.79	
3	1996	4		29.30	
4	2009	13		6.15	
5	2010	1		-	
6	2013	3		4.54	

PEGUMBAHALLA

State: Tamil Nadu	District: Nilgiris	River: Kundah
Year of 1st Impoundment: 1966	MDDL: 834.86 m	FRL: 869.30 m
Year of Last Survey: 1982	Catchment Area: 41.44 Sq.km	Latitude: 11.25
Longitude: 76.68	Reservoir Area at FRL: 2.05 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1966	-	-	1.07	1.03	0.04	-	-	-
2	1976	St.Govt. (HS)	10	0.80	0.80	0	0.27	0.27	25.23
3	1982	-do-	16	0.63	0.63	0	0.17	0.44	41.12

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 16 Years (Th.Cum/SqKm/yr)
1	1966	-	57	-	0.66
2	1976	10		0.65	
2	1982	6		0.68	

PERUMAL TANK

State: Tamil Nadu	District: Cuddalore	River: Paravahar
Year of 1st Impoundment: 1961	MDDL: N.A	FRL: 5.45 m
Year of Last Survey: 1998	Catchment Area: 504.59 Sq.km	Latitude: 10.98
Longitude: 77.10	Reservoir Area at FRL: 13.12 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1961	-	-	17.767	17.767	0	-	-	-
2	1998	St.Govt. (HS)	37	14.987	-	-	2.78	2.78	15.65

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 37 Years (Th.Cum/SqKm/yr)
1	1961	-	62	-	0.15
2	1998	37		0.15	

PERUMPALLAM

State: Tamil Nadu	District: Erode	River: Perumpallam Odai
Year of 1st Impoundment: 1990	MDDL: N.A	FRL: 312.40 m
Year of Last Survey: 2012	Catchment Area: 44.53 Sq.km	Latitude: 11.56
Longitude: 77.31	Reservoir Area at FRL: 0.65 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1990	-	-	3.28	3.28	0	-	-	-
2	2012	St.Govt. (HS)	22	3.146	-	-	0.13	0.13	4.09

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 22 Years (Th.Cum/SqKm/yr)
1	1990	-	33	-	0.14
2	2012	22		0.14	

PERUNCHANI

State: Tamil Nadu	District: Kanyakumari	River: Kodayar
Year of 1st Impoundment: 1953	MDDL: 69.80 m	FRL: 91.44 m
Year of Last Survey: 2012	Catchment Area: 160.27 Sq. km	Latitude: 8.36
Longitude: 77.36	Reservoir Area at FRL: 9.63 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1953	-	-	65.03	-	-	-	-	-
2	1969	St.Govt. (HS)	16	81.79	-	-	-16.76	-16.76	-25.70
3	1995	-do-	42	77.00	77.00	0	4.79	-11.97	-18.33
4	2012	-do-	59	69.10	69.10	0	7.90	-4.07	-6.26

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 59 Years (Th.Cum/SqKm/yr)
1	1953	-	70	-	-
2	1969	16		-	
3	1995	26		-	
4	2012	17		-	

PILAVUKKAL PERIYAR

State: Tamil Nadu	District: Virudhunagar	River: Periyar
Year of 1st Impoundment: 1976	MDDL: 190.00 m	FRL: 204.52 m
Year of Last Survey: 2013	Catchment Area: 36.00 Sq.km	Latitude: 9.64
Longitude: 77.53	Reservoir Area at FRL: 0.76 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1976	-	-	5.437	5.437	0	-	-	-
2	2013	St.Govt. (HS)	37	5.173	5.173	0	0.26	0.26	4.86

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 37 Years (Th.Cum/SqKm/yr)
1	1976	-	47	-	0.20
2	2013	37		0.20	

PILLUR

State: Tamil Nadu	District: Coimbatore	River: Bhavani
Year of 1st Impoundment: 1967	MDDL: 396.25 m	FRL: 426.72 m
Year of Last Survey: 2013	Catchment Area: 1191.40 Sq.km	Latitude: 11.26
Longitude: 76.81	Reservoir Area at FRL: 2.10 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1967	-	-	44.4	34.97	9.43	-	-	-
2	1982	St.Govt. (HS)	15	27.13	27.13	0	17.27	17.27	38.90
	2013	-do-	46	25.91	25.91	0	1.12	18.49	41.64

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operations As on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 46 Years (Th.Cum/SqKm/yr)
1	1967	-	56	-	0.34
2	1982	15		0.97	
3	2013	31		0.03	

PONNANIYAR

State: Tamil Nadu	District: Trichy	River: Ponnaniyar
Year of 1st Impoundment: 1974	MDDL: 233.17 m	FRL: 250.30 m
Year of Last Survey: 1995	Catchment Area: 87.02 Sq.km	Latitude: 10.58
Longitude: 78.25	Reservoir Area at FRL: 0.61 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1974	-	-	3.39	3.39	0	-	-	-
2	1990	St.Govt. (HS)	16	2.52	2.52	0	0.87	0.87	25.52
3	1995	-do-	21	2.31	2.31	0	0.22	1.08	31.90

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 21 Years (Th.Cum/SqKm/yr)
1	1974	-	49	-	0.59
2	1990	16		0.62	
3	1995	5		0.50	

PORTHIMUND

State: Tamil Nadu	District: Nilgiris	River: Kundah
Year of 1st Impoundment: 1966	MDDL: 2184.56 m	FRL: 2220.50 m
Year of Last Survey : 1996	Catchment Area: 10.55 Sq.km	Latitude: 11.37
Longitude: 76.57	Reservoir Area at FRL: 2.84 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1966	-	-	60	45.73	14.27	-	-	-
2	1990	St.Govt. (HS)	24	56.45	45.73	10.72	3.55	3.55	5.92
3	1996	-do-	30	47.89	45.73	2.16	8.56	12.11	20.18

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 30 Years (Th.Cum/SqKm/yr)
1	1966	-	57	-	38.25
2	1990	24		14.02	
3	1996	6		135.20	

PYKARA

State: Tamil Nadu	District: Nilguries	River: Pykara
Year of 1st Impoundment: 1954	MDDL: 2045.21 m	FRL: 2072.90 m
Year of Last Survey : 2010	Catchment Area: 38.10 Sq.km	Latitude: 11.46
Longitude: 76.60	Reservoir Area at FRL: 4.48 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1954	-	-	56.7	54.52	2.28	-	-	-
2	2001	St.Govt. (HS)	47	36.78	36.78	0	19.92	19.92	35.13
3	2010	-do-	56	35.17	35.17	0	1.61	21.53	37.97

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operation as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 56 Years (Th.Cum/SqKm/yr)
1	1954	-	69	-	10.09
2	2001	47		11.12	
3	2010	9		4.70	

SATHANUR

State: Tamil Nadu	District : Thiruvannamalai	River : Ponnaniyar
Year of 1st Impoundment : 1957	MDDL: 203.0 m	FRL: 222.2 m
Year of Last Survey: 1982	Catchment Area: 10826.1 Sq.km	Latitude: 12.21
Longitude: 78.86	Reservoir Area at FRL: 20.1 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1957	-	-	234.828	234.828	0	-	-	-
2	1977	St. Govt (HS)	20	211.651	-	-	23.18	23.18	9.87
3	1982	-do-	25	207.302	-	-	4.35	27.53	11.72

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 25 Years (Th.Cum/SqKm/yr)
1	1957	-	66	-	0.10
2	1977	20		0.11	
3	1982	5		0.08	

SATHIYARAR

State: Tamil Nadu	District : Madurai	River: Sathiyarar
Year of 1st Impoundment : 1965	MDDL: 222.5 m	FRL: 231.34 m
Year of Last Survey: 2010	Catchment Area: 95.71 Sq.km	Latitude: 10.11
Longitude: 78.08	Reservoir Area at FRL: 0.36 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1965	-	-	1.59	1.33	0.25	-	-	-
2	2010	St. Govt (HS)	45	1.13	1.13	0	0.46	0.46	28.81

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 45 Years (Th.Cum/SqKm/yr)
1	1965	-	58	-	0.11
2	2010	45		0.11	

SHOLAYAR

State: Tamil Nadu	District: Coimbatore	River: Sholayar
Year of 1st Impoundment: 1972	MDDL: N.A	FRL: 1002.79 m
Year of Last Survey: 2007	Catchment Area: 121.68 Sq. km	Latitude: 10.30
Longitude: 76.88	Reservoir Area at FRL: 5.26 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1972	-	-	152.48	142.88	9.60	-	-	-
2	2007	CWC (RS)	35	-	134.16	-	8.72	8.72	6.10

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 35 Years (Th.Cum/SqKm/yr)
1	1972	-	51	-	2.05*
2	2007	35		2.05	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS Survey

THIRUMURTHY

State: Tamil Nadu	District: Tirupur	River: palar
Year of 1st Impoundment: 1967	MDDL: N.A	FRL: 407.52 m
Year of Last Survey: 2009	Catchment Area: 80.29 Sq. km	Latitude: 10.48
Longitude: 77.16	Reservoir Area at FRL: 3.88 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1967	.-	-	54.80	49.39	5.41	-	-	-
2	1987	St.Govt. (HS)	20	51.21	-	-	3.59	3.59	5.55
3	1994	-do-	27	49.53	-	-	1.68	5.27	9.61
4	2009	-do-	42	47.80	-	-	1.73	7.00	12.77

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 42 Years (Th.Cum/SqKm/yr)
1	1967	-	56	-	2.07
2	1987	20		2.24	
3	1994	7		2.98	
4	2009	15		1.44	

THOPPIYAR

State: Tamil Nadu	District: Dharmapuri	River: Thoppiyar
Year of 1st Impoundment: 1987	MDDL: N.A	FRL: 363.60 m
Year of Last Survey : 2012	Catchment Area: 276.90 Sq.km	Latitude: 11.96
Longitude: 78.11	Reservoir Area at FRL: 1.20 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1987	-	-	8.46	8.46	0	-	-	-
2	2012	St.Govt. (HS)	25	7.96	-	-	0.50	0.50	5.92

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operation as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 25 Years (Th.Cum/SqKm/yr)
1	1987	-	36	-	0.07
2	2012	25		0.07	

THUNAKADAVU

State: Tamil Nadu	District: Coimbatore	River: Thunakadavu
Year of 1st Impoundment: 1965	MDDL: N.A	FRL: 593.50 m
Year of Last Survey: 2013	Catchment Area: 43.36 Sq. km	Latitude: 10.44
Longitude: 76.89	Reservoir Area at FRL: 1.74 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1965	-	-	15.76	9.9	5.86	-	-	-
2	2013	St.Govt. (HS)	48	13.15	-	-	2.61	2.61	16.56

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 48 Years (Th.Cum/SqKm/yr)
1	1965	-	58	-	1.25
2	2013	48		1.25	

UPPAR DAM

State: Tamil Nadu	District: Erode	River: Uppar
Year of 1st Impoundment: 1968	MDDL: N.A	FRL: 276.15 m
Year of Last Survey: 1995	Catchment Area: 903.56 Sq.km	Latitude: 10.78
Longitude: 77.42	Reservoir Area at FRL: 4.53 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1968	-	-	16.2	14.93	1.27	-	-	-
2	1991	St.Govt. (HS)	23	10.05	--	-	6.15	6.15	37.97
3	1995	-do-	27	9.29	-	-	0.76	6.91	42.63

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 27 Years (Th.Cum/SqKm/yr)
1	1968	-	55	-	0.28
2	1991	23		0.30	
2	1995	4		0.21	

UPPER BHAVANI

State: Tamil Nadu	District: Nilguries	River: Bhavani
Year of 1st Impoundment: 1965	MDDL: 2249.42 m	FRL: 2276.88 m
Year of Last Survey : 1985	Catchment Area: 33.57 Sq.km	Latitude: 11.23
Longitude: 76.52	Reservoir Area at FRL: 4.77 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1965	-	-	101.20	85.20	16	-	-	-
2	1985	St.Govt. (HS)	20	97.48	85.20	12.28	3.72	3.72	3.68

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 20 Years (Th.Cum/SqKm/yr)
1	1965	-	58	-	5.54
2	1985	20		5.54	

VAIGAI

State: Tamil Nadu	District : Madurai	River: Vaigai
Year of 1st Impoundment : 1958	MDDL: 257.56 m	FRL: 279.20 m
Year of Last Survey: 2012	Catchment Area: 2255.13 Sq.km	Latitude: 10.05
Longitude: 77.58	Reservoir Area at FRL: 24.20 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1958	-	-	194.785	193.329	1.456	-	-	-
2	1976	St. Govt (HS)	18	178.191	178.191	0	16.59	16.59	8.52
3	1981	-do-	23	172.439	172.439	0	5.75	22.35	11.47
4	1983	-do-	25	172.380	172.380	0	0.06	22.41	11.50
5	2000	-do-	42	167.206	167.206	0	5.17	22.58	2.66
6	2012	-do-	54	162.72	162.72	0	4.49	32.07	16.46

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 54 Years (Th.Cum/SqKm/yr)
1	1958	-	65	-	0.26
2	1976	18		0.41	
3	1981	5		0.51	
4	1983	2		0.01	
5	2000	17		0.14	
6	2012	12		0.17	

VANIYAR

State: Tamil Nadu	District : Dharmapuri	River: Vaniyar
Year of 1st Impoundment : 1983	MDDL: N.A	FRL: 471.0 m
Year of Last Survey: 2010	Catchment Area: 107.76 Sq.km	Latitude: 11.90
Longitude: 78.33	Reservoir Area at FRL: 10.93 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1983	-	-	11.836	11.486	0.35	-	-	-
2	2010	St. Govt (HS)	27	11.151	-	-	0.69	0.69	5.79

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 27 Years (Th.Cum/SqKm/yr)
1	1983	-	40	-	0.24
2	2010	27		0.24	

VARADAMANATHI

State: Tamil Nadu	District: Dindigul	River: Varadamanathi
Year of 1st Impoundment: 1978	MDDL: N.A	FRL: 371.26 m
Year of Last Survey : 1998	Catchment Area: 74.07 Sq.km	Latitude: 10.38
Longitude: 77.55	Reservoir Area at FRL: 0.39 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1978	-	-	3.06	3.06	0	-	-	-
2	1998	St.Govt. (HS)	20	3.14	-	-	-0.08	-0.08	-2.61

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 20 Years (Th.Cum/SqKm/yr)
1	1978	-	45	-	-
2	1998	20		-	

VARATUPPALAM

State: Tamil Nadu	District: Erode	River: Varattupallam
Year of 1st Impoundment: 1980	MDDL: N.A	FRL: 315.00 m
Year of Last Survey : 2010	Catchment Area: 66.82 Sq.km	Latitude: 11.68
Longitude: 77.56	Reservoir Area at FRL: 0.89 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1980	-	-	3.94	3.94	0	-	-	-
2	2010	St.Govt. (HS)	30	3.66	-	-	0.28	0.28	7.11

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 30 Years (Th.Cum/SqKm/yr)
1	1980	-	43	-	0.14
2	2010	30		0.14	

VEERANAM

State: Tamil Nadu	District: Cuddalore	River: coleroon
Year of 1st Impoundment: 1923	MDDL: N.A	FRL: 13.87 m
Year of Last Survey : 1991	Catchment Area: 427.35 Sq.km	Latitude: 11.34
Longitude: 79.53	Reservoir Area at FRL: 38.85 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1923	-	-	40.805	40.805	0	-	-	-
2	1991	St.Govt. (HS)	68	27.744	-	-	13.06	13.06	32.01

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last surveys	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 68 Years (Th.Cum/SqKm/yr)
1	1923	-	100	-	0.45
2	1991	68		0.45	

VENBAKOTTAI

State: Tamil Nadu	District : Virudhungan	River : Vaippar
Year of 1st Impoundment : 1989	MDDL: 80.5 m	FRL: 87.5 m
Year of Last Survey: 2013	Catchment Area: 1593.55 Sq.km	Latitude: 9.34
Longitude: 77.75	Reservoir Area at FRL: 4.68 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1989	-	-	11.29	11.275	0.015	-	-	-
2	2013	St. Govt (HS)	24	10.168	10.168	0	1.12	1.12	9.94

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 24 Years (Th.Cum/SqKm/yr)
1	1989	-	34	-	0.03
2	2013	24		0.03	

VIDUR

State: Tamil Nadu	District : Villupuram	River : Varahanadi
Year of 1st Impoundment : 1959	MDDL: NA	FRL: 37.80 m
Year of Last Survey: 2009	Catchment Area: 1298.00 Sq.km	Latitude: 12.07
Longitude: 79.59	Reservoir Area at FRL: 7.77 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1959	-	-	17.732	17.732	0	-	-	-
2	2009	St. Govt (HS)	50	14.64	-	-	3.09	3.09	17.44

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 50 Years (Th.Cum/SqKm/yr)
1	1959	-	64	-	0.05
2	2009	50		0.05	

WALLAJAH

State: Tamil Nadu	District: Cuddalore	River : Vellar
Year of 1st Impoundment : 1923	MDDL: NA	FRL: 11.43 m
Year of Last Survey: 1997	Catchment Area: 191.58 Sq.km	Latitude: 12.92
Longitude: 79.36	Reservoir Area at FRL: 4.56 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1923	-	-	2.568	2.568	0	-	-	-
2	1997	St. Govt (HS)	74	1.671	-	-	0.90	0.90	34.93

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 74 Years (Th.Cum/SqKm/yr)
1	1923	-	100	-	0.06
2	1997	74		0.06	

WELLINGDON

State: Tamil Nadu	District: Cuddalore	River : Vellar
Year of 1st Impoundment: 1924	MDDL: NA	FRL: 72.06 m
Year of Last Survey: 1991	Catchment Area: 2849.5 Sq.km	Latitude: 11.43
Longitude: 79.09	Reservoir Area at FRL: 15.54 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1924	-	-	71.46	60.01	11.45	-	-	-
2	1985	St. Govt (HS)	61	55.32	-	-	16.14	16.14	22.59
3	1991	-do-	67	52.03	-	-	3.29	19.43	27.19

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 67 Years (Th.Cum/SqKm/yr)
1	1924	-	99	-	0.10
2	1985	61		0.09	
3	1991	6		0.19	

DINDI PROJECT

State: Telangana	District: Nalgonda	River: Dindi
Year of 1st Impoundment: 1943	MDDL: 371.00 m	FRL: 396.55 m
Year of Last Survey: 2022	Catchment Area: 3920.00 Sq. km	Latitude: 16.54
Longitude: 78.65	Reservoir Area at FRL: 13.80 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1943	-	-	73.83	-	-	-	-	-
2	1976	St.Govt. (HS)	33	71.62	-	-	2.21	2.21	2.99
3	2022	-do-	79	67.76	67.26	0.5	3.84	6.07	8.22

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 79 Years (Th.Cum/SqKm/yr)
1	1943	-	80	-	0.02
2	1976	33		0.02	
3	2022	46		0.02	

HIMAYATSAGAR

State: Telangana	District: Rangareddy	River: Easa
Year of 1st Impoundment: 1927	MDDL: 526.09 m	FRL: 537.52 m
Year of Last Survey: 1976	Catchment Area: 1307.94 Sq. km	Latitude: 17.30
Longitude: 78.35	Reservoir Area at FRL: 19.70 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1927	-	-	107.79	-	-	-	-	-
2	1976	St.Govt. (HS)	49	79.16	-	-	28.63	28.63	26.56

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 49 Years (Th.Cum/SqKm/yr)
1	1927	-	96	-	0.45
2	1976	49		0.45	

KADDAM

State: Telangana	District: Adilabad	River: Kaddam
Year of 1st Impoundment: 1958	MDDL: 207.26 m	FRL: 213.21 m
Year of Last Survey: 2008	Catchment Area: 2656.25 Sq. km	Latitude: 19.11
Longitude: 78.79	Reservoir Area at FRL: 24.74 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1958	-	-	124.43	-	-	-	-	-
2	1977	St. Govt (HS)	19	78.18	-	-	46.25	46.25	37.17
3	2008	CWC (RS)	50	-	97.54	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 19 Years (Th.Cum/SqKm/yr)
1	1958	-	65	-	0.92
2	1977	19		0.92	
3	2008	31		-	-

KINNERSANI

State: Telangana	District: Khammam	River: Kinnersani
Year of 1st Impoundment: 1966	MDDL: NA	FRL: 124.08 m
Year of Last Survey: 2010	Catchment Area: 1332.55 Sq. km	Latitude: 17.68
Longitude: 80.66	Reservoir Area at FRL: 26.18 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1966	-	-	237.82	196.76	41.06	-	-	-
2	2010	CWC (RS)	44	-	166.05	-	30.71	30.71	15.61

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 44 Years (Th.Cum/SqKm/yr)
1	1966	-	57	-	0.52*
2	2010	44		0.52	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

LAKHNAVARAM LAKE

State: Telangana	District: Warangal	River: Lakhnnavaram
Year of 1st Impoundment: 1909	MDDL: 86.78 m	FRL: 97.240 m
Year of Last Survey: 1975	Catchment Area: 268.06 Sq. km	Latitude: 18.16
Longitude: 80.10	Reservoir Area at FRL: 2.49 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1909	-	-	60.42	-	-	-	-	-
2	1975	St. Govt (HS)	66	41.58	-	-	18.84	18.84	31.18

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 66 Years (Th.Cum/SqKm/yr)
1	1909	-	114	-	1.06
2	1975	66		1.06	

LARGE TANK BAYYARAM

State: Telangana	District: Mahabubabad	River: Munneru
Year of 1st Impoundment: 1962	MDDL: 190.50 m	FRL: 195.38 m
Year of Last Survey: 2023	Catchment Area: 576.00 Sq. Km.	Latitude: 17.59
Longitude: 80.16	Reservoir Area at FRL: 3.94 Sq.km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1962	-	-	11.62	11.24	0.37	-	-	-
2	2023	61	CWC (HS)	10.53	10.51	0.02	1.09	1.09	9.38

Sedimentation Details

S.No.	Year of Survey	Year elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation in For 61 years (Th.Cum/SqKm/yr)
1	1982	-	61	-	0.03
2	2023	61		0.03	

LOWER MANAIR

State: Telangana	District: Karimnagar	River: Manair
Year of 1st Impoundment: 1982	MDDL: 274.087 m	FRL: 280.016 m
Year of Last Survey: 2022	Catchment Area: 2966.85 Sq.Km.	Latitude: 18.40
Longitude: 79.13	Reservoir Area at FRL: 90.48 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1982	-	-	680.56	621.21	59.35	-	-	-
2	2022	St. Govt. (HS)	40	715.84	659.82	56.03	-35.28	-35.28	-5.18

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 40 years (Th.Cum/SqKm/yr)
1	1989	-	41	-	-
2	2022	40		-	

M. BAGA REDDY SINGUR PROJECT

State: Telangana	District: Sangareddy	River: Manjeera
Year of 1st Impoundment: 1989	MDDL: 510.60 m	FRL: 523.60 m
Year of Last Survey: 2022	Catchment Area: 16097.00 Sq.Km.	Latitude: 17.75
Longitude: 77.93	Reservoir Area at FRL: 183.47 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1989	-	-	847.15	822.46	24.69	-	-	-
2	2022	St. Govt. (HS)	33	826.22	818.31	7.91	20.93	20.93	2.47

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 33 years (Th.Cum/SqKm/yr)
1	1989	-	34	-	0.04
2	2022	33		0.39	

MANJIRA

State: Telangana	District: Medak	River: Manjira
Year of 1st Impoundment: 1966	MDDL: NA	FRL: NA
Year of Last Survey: 1977	Catchment Area: 16770.25 Sq. km	Latitude: 17.67
Longitude: 78.07	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1966	-	-	50.94	-	-	-	-	-
2	1977	St. Govt (HS)	11	32.20	-	-	18.74	18.74	36.79

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 11 Years (Th.Cum/SqKm/yr)
1	1966	-	57	-	0.10
2	1977	11		0.10	

MATHADIVAGU PROJECT

State: Telangana	District: Mancherial	River: Mathadivagu
Year of 1st Impoundment: 2008	MDDL: 271m	FRL: 277.50 m
Year of Last Survey: 2022	Catchment Area: 236.00 Sq.Km.	Latitude: 19.68
Longitude: 78.44	Reservoir Area at FRL: 3.90 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2008	-	-	16.17	14.32	1.85	-	-	-
2	2022	St. Govt. (HS)	14	13.30	12.46	0.84	2.88	2.88	17.79

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 14 years (Th.Cum/SqKm/yr)
1	2008	-	15	-	0.87
2	2022	14		0.87	

MUSI

State: Telangana	District: N.A	River: Musi
Year of 1st Impoundment: 1963	MDDL: 584.00 m	FRL: 595.70 m
Year of Last Survey: 2013	Catchment Area: 9090.00 Sq.km	Latitude: 17.24
Longitude: 79.51	Reservoir Area at FRL: 25.25 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1963	-	-	136.94	130.31	6.63	-	-	-
2	2013	CWC (RS)	50	-	119.82	-	10.49	10.49	8.05

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 50 Years (Th.Cum/SqKm/yr)
1	1963	-	60	-	0.02*
2	2013	50		0.02	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

NAGARJUNA SAGAR

State: Telangana	District: Nalgonda	River: Krishna
Year of 1st Impoundment: 1967	MDDL: 149.00 m	FRL: 179.83 m
Year of Last Survey: 2009	Catchment Area: 215185.00 Sq.km	Latitude: 16.58
Longitude: 79.31	Reservoir Area at FRL: 295.19 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1967	-	-	11553	6840	4713	-	-	-
2	1996	CWC (RS)	29	-	5544.63	-	-	-	-
3	2001	CWC (HS)	34	9309.56	6158.19	3151.37	2243.44	2243.44	19.42
4	2009	St. Govt. (HS)	42	8836.045	6042.49	2793.555	473.51	2716.96	23.52

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 42 Years (Th.Cum/SqKm/yr)
1	1967	-	56	-	0.30
2	1996	29		-	
3	2001	5		0.31	
4	2009	8		0.28	

NIZAMSAGAR

State: Telangana	District: Nizamabad	River: Manjira
Year of 1st Impoundment: 1930	MDDL: 415.75 m	FRL: 428.25 m
Year of Last Survey: 1992	Catchment Area: 21694.00 Sq. km	Latitude: 18.20
Longitude: 77.92	Reservoir Area at FRL: 14.29 Sq. km	

Survey Details

S. N o.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	%Cumulative
1	1930	-	-	841.18	-	-	-	-	-
2	1967	St. Govt (HS)	37	402.91	-	-	438.27	438.27	52.10
3	1975	-do-	45	363.7	-	-	39.21	477.48	56.76
4	1992	-do-	62	332.52	-	-	31.18	508.66	60.47

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 62 Years (Th.Cum/SqKm/yr)
1	1930	-	93	-	0.38
2	1967	37		0.55	
3	1975	8		0.23	
4	1992	17		0.09	

NTR SAGAR PROJECT (CHELIMELA VAGU)

State: Telangana	District: Mancherial	River: Chalamala vagu
Year of 1st Impoundment: 1998	MDDL: 318.250 m	FRL: 326.300 m
Year of Last Survey: 2022	Catchment Area: 103.00 Sq.Km.	Latitude: 19.15
Longitude: 79.24	Reservoir Area at FRL: 1.94 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1998	-	-	10.49	8.76	1.73	-	-	-
2	2022	St. Govt. (HS)	24	8.78	8.13	0.65	1.71	1.71	16.30

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 24 years (Th.Cum/SqKm/yr)
1	1998	-	25	-	0.69
2	2022	24		0.69	

PALAIR

State: Telangana	District: Khammam	River: Palair
Year of 1st Impoundment: 1928	MDDL: 126.89 m	FRL: 133.90 m
Year of Last Survey: 1977	Catchment Area: 1686.71 Sq.km	Latitude: 17.20
Longitude: 79.92	Reservoir Area at FRL: 17.27 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1928	-	-	56.56	-	-	-	-	-
2	1977	St.Govt. (HS)	49	55.35	-	-	1.21	1.21	2.14

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 49 Years (Th.Cum/SqKm/yr)
1	1928	-	95	-	0.01
2	1977	49		0.01	

POCHARAM

State: Telangana	District: Medak	River: Allaru Stream
Year of 1st Impoundment: 1922	MDDL: 441.35 m	FRL: 446.23 m
Year of Last Survey: 1978	Catchment Area: 673.40 Sq. km	Latitude: 18.13
Longitude: 78.18	Reservoir Area at FRL: 16.84 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1922	-	-	16.85	-	-	-	-	-
2	1978	St.Govt (HS)	56	13.07	-	-	3.78	3.78	22.45

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 56 Years (Th.Cum/SqKm/yr)
1	1922	-	101	-	0.10
2	1978	56		0.10	

PRIYADARSHINI JURALA

State: Telangana	District: Mahaboobnagar	River: Krishna
Year of 1st Impoundment: 1996	MDDL: 314.860 m	FRL: 318.516 m
Year of Last Survey: 2012	Catchment Area: 82471.00 Sq.km	Latitude: 16.34
Longitude: 77.70	Reservoir Area at FRL: 67.68 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1996	-	-	338.13	192.44	145.69	-	-	-
2	2012	St.Govt. (HS)	16	273.44	168.48	104.96	64.66	64.66	19.13
3	2022	-do-	26	273.17	178.81	94.37	0.27	64.95	19.21

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 26 Years (Th.Cum/SqKm/yr)
1	1996	-	27	-	0.03
2	2012	16		0.05	
3	2022	10		-	

RALIVAGU PROJECT

State: Telangana	District: Nagaram	River: Ralivagu
Year of 1st Impoundment: 2016	MDDL: 145.500 m	FRL: 151.500 m
Year of Last Survey: 2022	Catchment Area: 131.36 Sq.Km.	Latitude: 18.88
Longitude: 79.38	Reservoir Area at FRL: 3.00 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2016	-	-	11.57	10.81	0.76	-	-	-
2	2022	St. Govt. (HS)	6	6.56	6.46	0.10	5.01	5.01	43.30

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 6 years (Th.Cum/SqKm/yr)
1	2016	-	7	-	6.36
2	2022	6		6.36	

RAMADUGU PROJECT

State: Telangana	District: Mancherial	River: Pedda vagu
Year of 1st Impoundment: 1964	MDDL: 383.438 m	FRL: 389.626 m
Year of Last Survey: 2022	Catchment Area: 185.19 Sq.Km.	Latitude: 18.62
Longitude: 78.29	Reservoir Area at FRL: 7.50 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1964	-	-	27.35	25.58	1.77	-	-	-
2	2022	St. Govt. (HS)	58	19.26	18.39	0.87	8.09	8.09	29.58

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 58 years (Th.Cum/SqKm/yr)
1	1964	-	59	-	0.75
2	2022	58		0.75	

RAMAPPA

State: Telangana	District: Warangal	River: Manair
Year of 1st Impoundment: 1919	MDDL: 192.30 m	FRL: 202.97 m
Year of Last Survey: 2007	Catchment Area: 183.89 Sq. km	Latitude: 18.24
Longitude: 79.93	Reservoir Area at FRL: 20.63 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1919	-	-	82.48	-	-	-	-	-
2	1975	St.Govt (HS)	56	79.82	-	-	2.66	2.66	3.23
3	2007	CWC (RS)	88	-	74.85	-	-	-	-
4	2022	St.Govt (HS)	103	94.43	-	-	-14.61	-11.95	-14.49

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 103 Years (Th.Cum/SqKm/yr)
1	1919	-	104	-	-
2	1975	56		-	
3	2007	32		-	
4	2022	15		-	

SHANIGRAM TANK

State: Telangana	District: Karimnagar	River: Siddipet
Year of 1st Impoundment: 1891	MDDL: N.A	FRL: N.A
Year of Last Survey: 1972	Catchment Area: 321.00 Sq. km	Latitude: 18.18
Longitude: 79.01	Reservoir Area at FRL: 6.67 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1891	-	-	29.08	-	-	-	-	-
2	1972	St.Govt (HS)	81	26.13	-	-	2.95	2.95	10.14

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 81 Years (Th.Cum/SqKm/yr)
1	1891	-	132	-	0.11
2	1972	81		0.11	

SRI KOMARAMBHEEM

State: Telangana	District: Asifabad	River: Pedda vagu
Year of 1st Impoundment: 2011	MDDL: 226.50 m	FRL: 243.00 m
Year of Last Survey: 2022	Catchment Area: 1132.00 Sq.Km.	Latitude: 19.43
Longitude: 79.22	Reservoir Area at FRL: 28.80 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2011	-	-	294.29	243.75	50.55	-	-	-
2	2022	St.Govt (HS)	11	269.27	244.57	24.70	25.03	25.03	8.50

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 11 years (Th.Cum/SqKm/yr)
1	2011	-	12	-	2.01
2	2022	11		2.01	

SRI RAM SAGAR PROJECT

State: Telangana	District: Nizamabad	River: Godavari
Year of 1st Impoundment: 1970	MDDL: 324.31	FRL: 332.54
Year of Last Survey: 2022	Catchment Area: 51212.00 Sq.Km.	Latitude: 18.97
Longitude: 78.34	Reservoir Area at FRL: 334.80 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1970	-	-	3171.94	2298.95	872.99			
2	1984	St.Govt (HS)	14	2377.37	-	-	794.57	794.57	25.05
3	1994	-do-	24	2557.25	2002.44	554.81	-179.88	614.69	19.38
4	1997	CWC (RS)	27	-	1652.24	-	-	-	-
5	2013	St.Govt (HS)	43	2268.27	1827.76	440.48	288.99	903.67	28.49
6	2022	-do-	52	2279.50	1861.22	418.28	-11.23	892.44	28.14

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 52 years (Th.Cum/SqKm/yr)
1	1970	-	53	-	0.34
2	1984	14		1.11	
3	1994	10		-	
4	1997	3		-	
5	2013	16		0.43	
6	2022	9		-	

SUDDAVAGU PROJECT

State: Telangana	District: Mancherial	River: Suddavagu
Year of 1st Impoundment: 2006	MDDL: 354.00 m	FRL: 358.70 m
Year of Last Survey: 2022	Catchment Area: 699.00 Sq.Km.	Latitude: 19.12
Longitude: 77.95	Reservoir Area at FRL: 14.83 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2006	-	-	52.46	47.53	4.94	-	-	-
2	2022	St.Govt (HS)	16	51.85	50.07	1.77	0.62	0.62	1.17

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 16 years (Th.Cum/SqKm/yr)
1	2006	-	17	-	0.05
2	2022	16		0.05	

SWARNA RESERVOIR

State: Telangana	District: Sarangapur	River: Swarna
Year of 1st Impoundment: 1978	MDDL: 322.5m	FRL: 332.537 m
Year of Last Survey: 2022	Catchment Area: 290.00 Sq.Km.	Latitude: 19.24
Longitude: 78.20	Reservoir Area at FRL: 11.00 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1978	-	-	42.05	35.83	6.82	-	-	-
2	2022	St.Govt (HS)	44	29.39	28.67	0.72	12.66	12.66	30.11

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 44 years (Th.Cum/SqKm/yr)
1	1978	-	45	-	0.99
2	2022	44		0.99	

UPPER MANAIR RESERVOIR

State: Telangana	District: Rajannasircilla	River: Upper Manair
Year of 1st Impoundment: 1950	MDDL: 442.42 m	FRL: 451.865 m
Year of Last Survey: 2022	Catchment Area: 2166.00 Sq.Km.	Latitude: 18.26
Longitude: 78.54	Reservoir Area at FRL: 14.91 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1950	-		84.97	75.87	9.11			
2	2022	St. Govt. (HS)	72	59.18	58.86	0.32	25.79	25.79	30.35

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 72 years (Th.Cum/SqKm/yr)
1	1950	-	73	-	0.17
2	2022	72		0.17	

WYRA

State: Telangana	District: Khammam	River: Wyra
Year of 1st Impoundment: 1929	MDDL: N.A	FRL: 95.89 m
Year of Last Survey: 1977	Catchment Area: 709.66 Sq.km	Latitude: 17.22
Longitude: 80.38	Reservoir Area at FRL: N.A	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1929	-	-	24.66	-	-	-	-	-
2	1977	St.Govt. (HS)	48	14.88	-	-	9.78	9.78	39.66

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 48 Years (Th.Cum/SqKm/yr)
1	1929	-	94	-	0.29
2	1977	48		0.29	

GUMTI

State: Tripura	District: Comilla	River: Gumti
Year of 1st Impoundment: 1984	MDDL: NA	FRL: 93.55 m
Year of Last Survey: 2003	Catchment Area: 338.00 Sq.km	Latitude: 23.42
Longitude: 91.80	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1984	-		328.40	312.90	15.50	-	-	-
2	2003	CWC (RS)	19	-	249.07	-	63.83	63.83	20.4
3	2020	-do-	36	-	235.67	-	13.40	77.23	24.68

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 36 Years (Th.Cum/SqKm/yr)
1	1984	-	39	-	6.35*
2	2003	19		9.94	
3	2020	17		2.33	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

DULHASTI

State: UT of Jammu & Kashmir	District: Kishtwar	River: Chenab
Year of 1st Impoundment: 2006	MDDL: 1238.9 m	FRL: 1266.5 m
Year of Last Survey: 2017	Catchment Area: 10500.00 Sq.km	Latitude: 33.37
Longitude: 75.80	Reservoir Area at FRL: NA	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2006	-	-	12.98	12.00	0.98	-	-	-
2	2017	St. Govt (HS)	11	12.39	11.61	0.78	0.59	0.59	4.55

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 11 Years (Th.Cum/SqKm/yr)
1	2006	-	17	-	0.01
2	2017	11		0.01	

SALAL

State: UT of Jammu & Kashmir	District : NA	River: Chenab
Year of 1st Impoundment:: 1987	MDDL: NA	FRL: 487.68 m
Year of Last Survey: 2018	Catchment Area: 21497Sq.km	Latitude: 33.14
Longitude: 74.81	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1987	-	-	285.00	-	285.00	-	-	-
2	2018	St. Govt (HS)	31	12.43	-	12.43	272.57	272.57	95.64

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 31 Years (Th.Cum/SqKm/yr)
1	1987	-	36	-	0.41
2	2018	31		0.41	

SEWA-II

State: UT of Jammu & Kashmir	District : NA	River: Sewa
Year of 1st Impoundment: 2010	MDDL: 1185.0 m	FRL: 1197.5 m
Year of Last Survey: 2018	Catchment Area: 341 Sq.km	Latitude: 32.68
Longitude: 75.82	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2010	-	-	7.05	4.39	2.66	-	-	-
2	2018	St. Govt (HS)	8	5.91	4.25	1.66	1.14	1.14	16.17

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 8 Years (Th.Cum/SqKm/yr)
1	2010	-	13	-	0.42
2	2018	8		0.42	

URI-I

State: UT of Jammu & Kashmir	District : NA	River: Jhelum
Year of 1st Impoundment: 1997	MDDL: NA	FRL: 1491.0 m
Year of Last Survey: 2018	Catchment Area: 12750.00 Sq.km	Latitude: 34.14
Longitude: 74.18	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1997	-	-	0.36	-	-	-	-	-
2	2018	St. Govt (HS)	21	0.24	-	-	0.12	0.12	34.11

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 21 years (Th.Cum/SqKm/yr)
1	1997	-	26	-	0.00046
2	2018	21		0.00046	

URI-II

State: UT of Jammu & Kashmir	District : NA	River: Jhelum
Year of 1st Impoundment: 2013	MDDL: NA	FRL: 1241.0 m
Year of Last Survey: 2018	Catchment Area: 13400.00 Sq.km	Latitude: 34.09
Longitude: 74.03	Reservoir Area at FRL: NA	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2013	-	-	6.34	-	-	-	-	-
2	2018	St. Govt (HS)	5	4.33	-	-	2.013	2.013	31.74

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 5 Years (Th.Cum/SqKm/yr)
1	2013	-	10	-	0.03
2	2018	5		0.03	

CHUTAK

State: UT of Laddakh	District: Kargil	River: Suru
Year of 1st Impoundment: 2012	MDDL: NA	FRL: 2781.0 m
Year of Last Survey: 2018	Catchment Area: 3488.00 Sq.km	Latitude: 34.46
Longitude: 76.07	Reservoir Area at FRL: NA	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2012	-	-	0.59	-	-	-	-	-
2	2018	St. Govt (HS)	6	0.42	-	-	0.17	0.17	28.23

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th. Cum/SqKm/yr)	Average Rate of Sedimentation for 6 Years (Th. Cum/SqKm/yr)
1	2012	-	11	-	0.01
2	2018	6		0.01	

NIMOO BAZGO

State: UT of Laddakh	District : NA	River: Indus
Year of 1st Impoundment: 2013	MDDL: 3090.00 m	FRL: 3093.00 m
Year of Last Survey: 2016	Catchment Area: 58880.00 Sq.km	Latitude: 34.22
Longitude: 77.19	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2013	-	-	52.82	9.66	43.16	-	-	-
2	2016	St. Govt (HS)	3	33.7	9.1	24.6	19.12	19.12	36.20

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 3 Years (Th.Cum/SqKm/yr)
1	2013	-	10	-	0.11
2	2016	3		0.11	

MATATILA

State: Uttar Pradesh	District: Lalitpur	River: Betwa
Year of 1st Impoundment: 1956	MDDL: 295.66 m	FRL: 308.48 m
Year of Last Survey: 2023	Catchment Area: 4403.00 Sq. km	Latitude: 25.07
Longitude: 78.33	Reservoir Area at FRL: 115.69 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1962	Design data	-	985.65	876.63	109.02	-	-	-
2	1964	-do-	2	964.04	-	-	21.61	21.61	2.19
3	1966	-do-	2	956.77	-	-	7.27	28.88	2.93
4	1969	-do-	7	948.25	-	-	8.52	37.40	3.94
5	1971	-do-	9	903.23	-	-	45.02	82.42	8.36
6	1975	-do-	13	882.87	-	-	20.36	102.78	10.42
7	1984	-do-	22	784.30	-	-	98.57	201.35	20.43
8	1990	-do-	28	748.72	-	-	35.58	236.93	24.04
9	1994	-do-	32	763.51	743.71	19.8	-14.79	222.14	22.54
10	1999	-do-	37	702.33	-	-	61.18	283.32	28.74
11	1999	CWC (RS)	37	-	736.02	-	-	-	-
12	2018	-do-	56	-	675.07	-	-	-	-
13	2023	CWC (HS)	61	678.71	668.57	10.14	23.62	306.94	31.14

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 61 Years (Th.Cum/SqKm/yr)
1	1962	-	67	-	1.14
2	1964	2		2.45	
3	1966	2		0.83	
4	1969	3		0.65	
5	1971	2		5.11	
6	1975	4		1.16	
7	1984	9		2.49	
8	1990	6		1.35	
9	1994	4		-	
10	1999	5		2.81	
11	1999	0		-	
12	2018	19		-	
13	2023	5		1.07	

MAUDAHA

State: Uttar Pradesh	District: N.A	River: Birma tributary
Year of 1st Impoundment: 1991	MDD: N.A	FRL: N.A
Year of Last Survey: 2022	Catchment Area: 1692.00 Sq.Km.	Latitude: 25.59
Longitude: 79.71	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1991	-		200.00	179.00	21.00	-	-	-
2	2019	CWC (RS)	28	-	177.73	-	1.27	1.27	0.71

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 28 years (Th.Cum/SqKm/yr)
1	1991	-	32	-	0.03*
2	2019	28		0.03	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

MEJA

State: Uttar Pradesh	District: N.A	River: Belan
Year of 1st Impoundment: 1974	MDD: N.A	FRL: N.A
Year of Last Survey: 2018	Catchment Area: 2020.02 Sq.Km.	Latitude: 24.86
Longitude: 82.40	Reservoir Area at FRL: N.A	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1974	-		302.99	300.73	2.265	-	-	-
2	2018	CWC (RS)	44	-	258.36	-	42.36	42.36	14.09

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 44 years (Th.Cum/SqKm/yr)
1	1974	-	49	-	0.48*
2	2018	44		0.48	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

NAGAWA

State: Uttar Pradesh	District: N.A	River: Karmnasa
Year of 1st Impoundment: 1950	MDD: N.A	FRL: N.A
Year of Last Survey: 2017	Catchment Area: 469.00 Sq.Km.	Latitude: 24.67
Longitude: 83.38	Reservoir Area at FRL: N.A	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1950	-	-	77.93	64.41	13.52	-	-	-
2	2017	CWC (RS)	67	-	57.32	-	7.09	7.09	11.00

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 67 years (Th.Cum/SqKm/yr)
1	1950	-	73	-	0.23*
2	2017	67		0.23	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

SHAHZAD

State: Uttar Pradesh	District: NA	River: Shahzad
Year of 1st Impoundment: 1992	MDDL: NA	FRL: NA
Year of Last Survey: 2018	Catchment Area: 514.00 Sq.Km.	Latitude: 24.95
Longitude: 78.52	Reservoir Area at FRL: NA.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1992	-	-	127.42	118.93	8.49	-	-	-
2	2018	CWC (RS)	26	-	118.81	-	0.12	0.12	0.10

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 26 years (Th.Cum/SqKm/yr)
1	1992	-	31	-	0.01*
2	2018	26		0.01	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

RIHAND

State: Uttar Pradesh	District: Sonebhadra	River: Rihand
Year of 1st Impoundment: 1962	MDDL: NA	FRL: 268.22 m
Year of Last Survey: 2003	Catchment Area: 13333 Sq. km	Latitude: 24.20
Longitude: 83.01	Reservoir Area at FRL: 377.01 Sq. km	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1962	-	-	10608.32	8979.94	1628.38	-	-	-
2	1995	St.Govt (HS)	33	9324.81	8009.94	1314.87	1283.51	1283.51	12.10
3	2003	-do-	41	9019.99	7633.59	1386.4	304.82	1588.33	14.97

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 41 Years (Th.Cum/SqKm/yr)
1	1962	-	61	-	2.91
2	1995	33		2.92	
3	2003	8		0.29	

DHUKWAN

State: Uttar Pradesh	District: Jhansi	River: Betwa
Year of 1st Impoundment: 1907	MDDL: NA	FRL: NA
Year of Last Survey: 1980	Catchment Area: 21340.00 Sq. km	Latitude: 25.18
Longitude: 78.53	Reservoir Area at FRL: 6.42 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1907	-	-	106.45	-	-	-	-	-
2	1937	St.Govt (HS)	30	79.34	-	-	27.11	27.11	25.47
3	1942	-do-	35	79.3	-	-	0.04	27.15	25.5
4	1947	-do-	40	73.03	-	-	6.27	33.42	31.40
5	1952	-do-	45	66.18	-	-	6.85	40.27	37.83
6	1980	-do-	73	59.03	-	-	7.15	47.42	44.55

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 73 Years (Th.Cum/SqKm/yr)
1	1907	-	116	-	0.03
2	1937	30		0.04	
3	1942	5		0.0004	
4	1947	5		0.06	
5	1952	5		0.06	
6	1980	28		0.01	

JAMNI

State: Uttar Pradesh	District: Lalitpur	River: Jamni
Year of 1st Impoundment: 1973	MDDL: NA	FRL: 138.68m
Year of Last Survey: 2010	Catchment Area: 410.00 Sq. km	Latitude: 24.37
Longitude: 78.68	Reservoir Area at FRL: 247.24 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1973	-	-	92.87	84.09	8.78	-	-	-
2	2010	CWC (RS)	37	-	88.59	-	-4.50	-4.50	-5.35

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 37 Years (Th.Cum/SqKm/yr)
1	1973	-	50	-	-
2	2010	37		-	

PILI

State: Uttar Pradesh	District: Bijnor	River: Pili
Year of 1st Impoundment: 1962	MDDL: NA	FRL: 257.86 m
Year of Last Survey: 2011	Catchment Area: 162.00 Sq. km	Latitude: 29.36
Longitude: 78.79	Reservoir Area at FRL: 7.80 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1962	-	-	55.27	54.28	0.99	-	-	-
2	1991	St. Govt. (HS)	29	42.21	42.21	0	13.06	13.06	23.62
3	2011	-do-	49	39.2	39.2	0	3.01	16.07	29.07

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 49 Years (Th.Cum/SqKm/yr)
1	1962	-	61	-	2.02
2	1991	29		2.78	
3	2011	20		0.93	

SIRSI

State: Uttar Pradesh	District: NA	River: Sirsi
Year of 1st Impoundment: 1958	MDDL: N.A	FRL: N.A
Year of Last Survey: 2013	Catchment Area: 601.00 Sq. km	Latitude: 24.83
Longitude: 82.05	Reservoir Area at FRL: N.A	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Live Capacity		
				Gross	Live	Dead	Since Last RS Survey	Cumulative	% Cumulative
1	1958	-		195.64	178.64	17.00	-	-	-
2	2013	CWC (RS)	55	-	149.48	-	29.17	29.17	16.33

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 55 Years (Th.Cum/SqKm/yr)
1	1958	-	65	-	0.88
2	2013	55		0.88	

*Average Rate of Sedimentation on the basis of Live storage measured by SRS survey

RAJGHAT

State: Uttar Pradesh	District: Lalitpur	River: Betwa
Year of 1st Impoundment: 1999	MDDL: 356.62 m	FRL: 371.00 m
Year of Last Survey: 2023	Catchment Area: 16317.00 Sq. km	Latitude: 24.69
Longitude: 78.26	Reservoir Area at FRL: 219.45 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1999	-	-	2172.00	1945.00	227.00	-	-	-
2	2004	CWC (RS)	5	-	1979.98	-	-	-	-
3	2023	CWC (HS)	24	2036.34	1914.79	121.55	135.66	135.66	6.25

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 24 Years (Th.Cum/SqKm/yr)
1	1999	-	24	-	0.35
2	2004	5		-	
3	2023	19		0.35	

BAUR

State :Uttarakhand	District :Udham Singh Nagar	River :Baur & Kakrala
Years of 1st Impoundment :1967	MDDL : 230.43 m	FRL : 242.32 m
Year of Last Survey :2023	Catchment Area : 307.20 Sq.Km.	Latitude :29.13
Longitude :79.26	Reservoir Area at FRL : 16.15 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of Date	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1967	-	-	103.36	102.51	0.85	-	-	-
2.	2023	CWC (HS)	56	87.62	87.47	0.15	15.74	15.74	15.23

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 56 years (Th.Cum/Sqkm/yr)
1.	1967	-	56	-	0.91
2.	2023	56		0.91	

HARIPURA

State : Uttarakhand	District : Udham Singh Nagar	River :Bhakra, Khazia & Nihal
Years of 1st Impoundment :1975	MDDL : 236.22 m	FRL : 242.32 m
Year of Last Survey : 2023	Catchment Area : 294.40 Sq.Km.	Latitude :29.13
Longitude :79.31	Reservoir Area at FRL : 8.74 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1975	-	-	28.32	27.60	0.72			
2.	2023	CWC (HS)	48	15.17	15.16	0.01	13.15	13.15	46.43

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 48 years (Th.Cum/Sqkm/yr)
1.	1975	-	48	-	0.93
2.	2023	48		0.93	

BAIGUL

State: Uttarakhand	District: Udham Singh Nagar	River: Baigul
Year of 1st Impoundment: 1968	MDDL: NA	FRL: 208.79 m
Year of Last Survey: 2009	Catchment Area: 302.00 Sq. km	Latitude: 28.88
Longitude: 79.68	Reservoir Area at FRL: 18.93 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1968	-	-	86.68	78.36	8.32	-	-	-
2	1992	St. Govt (HS)	24	70.725	65.225	5.5	15.955	15.955	18.41
3	2005	-do-	37	65.42	65.42	0	5.305	21.26	24.53
4	2009	CWC (RS)	41	-	47.13	-	-	-	-

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 37 Years (Th.Cum/SqKm/yr)
1	1968	-	55	-	1.90
2	1992	24		2.20	
3	2005	13		1.35	
4	2009	4		-	-

DHAULIGANGA

State: Uttarakhand	District: Pithoragarh	River: Dhauliganga
Year of 1st Impoundment: 2005	MDDL: 1330 m	FRL: 1345 m
Year of Last Survey: 2018	Catchment Area: 1360.00 Sq. km	Latitude: 29.98
Longitude: 80.57	Reservoir Area at FRL: 0.23 Sq.km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2005	-	-	6.2	3.2	3	-	-	-
2	2018	St. Govt. (HS)	13	3.40	2.33	1.07	2.80	2.80	45.16

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 13 Years (Th.Cum/SqKm/yr)
1	2005	-	18	-	0.16
2	2018	13		0.16	

DHORA

State: Uttrakhand	District: Udham Singh Nagar	River: Dhora
Year of 1st Impoundment: 1962	MDDL: NA	FRL: 216.41 m
Year of Last Survey: 2005	Catchment Area: 134.68 Sq. km	Latitude: 28.94
Longitude: 79.58	Reservoir Area at FRL: 11.45 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1962	-	-	54.809	50.987	3.822	-	-	-
2	1991	St. Govt. (HS)	29	45.645	44.395	1.25	9.16	9.16	16.72
3	2005	-do-	33	43.61	42.94	0.67	2.04	11.20	20.43

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 33 Years (Th.Cum/SqKm/yr)
1	1962	-	61	-	1.93
2	1991	29		2.35	
3	2005	14		1.08	

ICHARI

State: Uttrakhand	District: Dehradun	River: Tons
Year of 1st Impoundment: 1966	MDDL: N.A	FRL: 644.75 m
Year of Last Survey: 2003	Catchment Area: 4913.00 Sq. km	Latitude: 30.61
Longitude: 77.79	Reservoir Area at FRL: 1.13 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1966	-	-	11.55	11.55	0	-	-	-
2	1977	St Govt (HS)	11	8.45	8.45	0	3.1	3.1	26.84
3	1982	-do-	16	5.39	5.39	0	3.06	6.16	53.33
4	2003	-do-	37	6.09	6.09	0	-0.70	5.46	47.27

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 37 Years (Th.Cum/SqKm/yr)
1	1966	-	57	-	0.03
2	1977	11		0.06	
3	1982	16		0.12	
4	2003	37		-	

NANAK SAGAR

State: Uttarakhand	District: Udham Singh Nagar	River: Deoha
Year of 1st Impoundment: 1962	MDDL: N.A	FRL: 217.00 m
Year of Last Survey: 2008	Catchment Area: 570.00 Sq. km	Latitude: 28.96
Longitude: 79.83	Reservoir Area at FRL: 35.93 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1962	-	-	209.8	200.5	9.3	-	-	-
2	1992	St. Govt (HS)	30	189.067	183.252	5.815	20.733	20.733	9.88
3	2006	CWC (RS)	44	-	112.98	-	-	-	-
4	2008	St. Govt (HS)	46	180.5	175.58	4.92	8.567	29.30	13.97

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 46 Years (Th.Cum/SqKm/yr)
1	1962	-	61	-	1.12
2	1992	30		1.21	
3	2006	14		-	
4	2008	2		0.94	

RAMGANGA

State: Uttarakhand	District: Pauri Garwal	River: Ramganga
Year of 1st Impoundment: 1974	MDDL: 317.00 m	FRL: 365.30 m
Year of Last Survey: 2023	Catchment Area: 3134.00 Sq. km	Latitude: 29.52
Longitude: 78.76	Reservoir Area at FRL: 80.13 Sq. km	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1974	-	-	2448.16	2192.81	255.35	-	-	-
2	2023	CWC (HS)	49	2302.49	2145.06	157.43	145.67	145.67	5.95

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 49 years (Th.Cum/SqKm/yr)
1	1974	-	49	-	0.95
2	2023	15		0.95	

SARDA SAGAR

State: Uttarakhand	District: Udham Singh Nagar	River: Sarda
Year of 1st Impoundment: 1962	MDDL: N.A	FRL: 183.70 m
Year of Last Survey: 2009	Catchment Area: 127.00 Sq. km	Latitude: 28.78
Longitude: 80.08	Reservoir Area at FRL: 46.14 Sq. km	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1962	-	-	493.16	364.67	128.49	-	-	-
2	1991	St.Govt (HS)	29	406.28	330.01	76.27	86.88	86.88	17.62
3	2001	CWC (RS)	39	-	298.88	-	-	-	-
4	2009	St.Govt (HS)	47	377.13	307.64	69.49	29.15	116.03	23.53

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 47 Years (Th.Cum/SqKm/yr)
1	1962	-	61	-	19.44
2	1991	29		23.59	
3	2001	10		-	
4	2009	8		12.75	

TANAKPUR

State: Uttarakhand	District: Champawat	River: Sharda
Year of 1st Impoundment: 1992	MDDL: N.A	FRL: 246.70 m
Year of Last Survey: 2018	Catchment Area: 15100.00 Sq. km	Latitude: 29.06
Longitude: 80.12	Reservoir Area at FRL: 2.35 Sq.km	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1992	-	-	5.96	-	-	-	-	-
2	2018	St.Govt. (HS)	26	4.05	-	-	1.91	1.91	32.05

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 26 Years (Th.Cum/SqKm/yr)
1	1992	-	31	-	0.005
2	2018	26		0.005	

TEHRI DAM

State: Uttarakhand	District: Tehri	River: Bhagirathi
Year of 1st Impoundment: 2005	MDDL: 740.00 m	FRL: 830.00 m
Year of Last Survey: 2008	Catchment Area: 7511.00 Sq. km	Latitude: 30.39
Longitude: 78.48	Reservoir Area at FRL: 43.37 Sq. km	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2005	-	-	3548.51	2632.30	916.21	-	-	-
2	2008	St.Govt (HS)	3	3527.50	2616.82	910.68	21.01	21.01	0.59

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 3 Years (Th.Cum/SqKm/yr)
1	2005	-	18	-	0.93
2	2008	3		0.93	

BANDHAJOR DAM

State: West Bengal	District: Purulia	River: Bandhajor
Year of 1st Impoundment: 1982	MDDL: NA	FRL: 153.12 m
Year of Last Survey: 2021	Catchment Area: 16.89 Sq.Km.	Latitude: 23.60
Longitude: 86.56	Reservoir Area at FRL: 0.07 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1982	-		0.07	0.07	-	-	-	-
2	2021	St.Govt (HS)	39	0.11	-	-	-0.03	-0.03	-46.34

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 39 years (Th.Cum/SqKm/yr)
1	1978	-	41	-	-
2	2021	39		-	

BURIDUMUR DAM

State: West Bengal	District: Purulia	River: Buridumur
Year of 1st Impoundment: 1977	MDDL: 324.695 m	FRL: 326.21 m
Year of Last Survey: 2021	Catchment Area: 3.23 Sq.Km.	Latitude: 23.31
Longitude: 86.10	Reservoir Area at FRL: 0.07 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1977	-	-	0.19	0.08	0.12	-	-	-
2	2021	St.Govt (HS)	44	0.18	0.08	0.11	0.01	0.01	5.15

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 44 years (Th.Cum/SqKm/yr)
1	1978	-	46	-	0.07
2	2022	44		0.07	

FULJORE DAM

State: West Bengal	District: Purulia	River: Fuljore
Year of 1st Impoundment: 1976	MDDL: NA	FRL: 350.83 m
Year of Last Survey: 2021	Catchment Area: 3.89 Sq.Km.	Latitude: 23.23
Longitude: 86.23	Reservoir Area at FRL: 0.02 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1976	-	-	0.20	0.20	-	-	-	-
2	2021	St.Govt (HS)	45	0.04	-	-	0.17	0.17	82.50

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 45 years (Th.Cum/SqKm/yr)
1	1978	-	47	-	0.94
2	2022	45		0.94	

KANGSABATI

State: West Bengal	District: Bankura	River: Kangsabati & Kumari
Year of 1st Impoundment: 1965	MDDL: 120.40 m	FRL: 134.11 m
Year of Last Survey: 2022	Catchment Area: 1606.00 Sq. km	Latitude: 22.40
Longitude: 86.35	Reservoir Area at FRL: 57.00 Sq. km	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1965	-	-	499.93	434.72	65.20	-	-	-
2	2005	CWC (RS)	40	-	400.34	-	-	-	-
3	2022	St. Govt. (HS)	57	443.01	401.39	41.61	56.92	56.92	11.39

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Years operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 57 Years (Th.Cum/SqKm/yr)
1	1965	-	58	-	0.62
2	2005	40		-	
3	2022	17		0.62	

KESTOBAZAR

State: West Bengal	District: Purulia	River: Kestobazar Nala
Years of 1st Impoundment: 1969	MDDL: 253.05 m	FRL : 259.14 m
Year of Last Survey: 2021	Catchment Area: 16.64 Sq.Km.	Latitude : 23.18
Longitude: 86.08	Reservoir Area at FRL: 0.18 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1969	-	-	0.71	0.62	0.09	-	-	-
2.	2021	St.Govt. (HS)	52	0.60	0.60	0.01	0.10	0.10	14.57

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 52 years (Th.Cum/Sqkm/yr)
1.	1969	-	54	-	0.12
2.	2021	52		0.12	

KULBERA DAM

State : West Bengal	District : Purulia	River : Kulberia
Years of 1st Impoundment : 1982	MDDL : NA	FRL : 255.48 m
Year of Last Survey : 2021	Catchment Area: 20.48 Sq.Km.	Latitude: 23.23
Longitude: 85.99	Reservoir Area at FRL: 0.13 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Rservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1982	-	-	0.80	0.71	-	-	-	-
2.	2021	St.Govt (HS)	39	0.03	-	-	0.77	0.77	96.36

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 39 years (Th.Cum/Sqkm/yr)
1.	1982	-	41	-	0.96
2.	2021	39		0.96	

KUMARI DAM

State: West Bengal	District: Bankura	River: Kumari
Year of 1st Impoundment: 1976	MDDL: 120.4 m	FRL: 134.11 m
Year of Last Survey: 2022	Catchment Area: 2020.00 Sq.Km.	Latitude: 23.16
Longitude: 86.29	Reservoir Area at FRL: 57.00 Sq.Km.	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1976	-	-	544.63	465.41	79.22	-	-	-
2	2005	CWC (RS)	29	-	441.19	-	-	-	-
3	2022	St.Govt (HS)	46	495.29	433.55	61.74	49.34	49.34	9.06

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 46 years (Th.Cum/SqKm/yr)
1	1976	-	47	-	0.53
2	2005	29		-	
3	2022	17		0.53	

MAJRA DAM

State: West Bengal	District: Purulia	River: Majraore
Years of 1st Impoundment: 1982	MDDL: NA	FRL: 177.00 m
Year of Last Survey: 2021	Catchment Area: 21.96 Sq.Km.	Latitude: 23.38
Longitude: 86.63	Reservoir Area at FRL: 0.33 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1982	-	-	0.36	0.36	-	-	-	-
2.	2021	St.Govt (HS)	39	0.23	-	-	0.13	0.13	36.06

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 39 years (Th.Cum/Sqkm/yr)
1.	1982	-	41	-	0.15
2.	2021	39		0.15	

TARA

State: West Bengal	District: Purulia	River: Tara
Years of 1st Impoundment: 1975	MDDL: 229.34 m	FRL: 230.79 m
Year of Last Survey: 2021	Catchment Area: 27.52 Sq.Km.	Latitude: 23.24
Longitude: 86..35	Reservoir Area at FRL: 0.61 Sq.Km.	

Survey Details

S.No.	Year of Survey	Source of data	Period (Year)	Reservoir Capacity (M.Cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1.	1975	-	-	0.95	0.53	0.42	-	-	-
2.	2021	St.Govt. (HS)	46	0.77	0.48	0.29	0.19	0.19	19.47

Sedimentation Details

S.No.	Year of Survey	Years elapsed Since last Survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/Sqkm/yr)	Average Rate of Sedimentation for 46 years (Th.Cum/Sqkm/yr)
1.	1975	-	48	-	0.15
2.	2021	46		0.15	

TLDP-III

State: West Bengal	District: Darjeeling	River: Teesta
Year of 1st Impoundment: 2013	MDDL: 203.00 m	FRL: 208.00 m
Year of Last Survey: 2016	Catchment Area: 7755.00 Sq.km	Latitude: 27.00
Longitude: 88.44	Reservoir Area at FRL: NA	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2013	-	-	18.36	6.8	11.57	-	-	-
2	2016	St.Govt (HS)	3	11.17	6.43	4.74	7.19	7.19	39.16

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 3 Years (Th.Cum/SqKm/yr)
1	2013	-	10	-	0.31
2	2016	3		0.31	

TLDP-IV

State: West Bengal	District: Darjeeling	River: Teesta
Year of 1st Impoundment: 2016	MDDL: 179.00 m	FRL: 182.3 m
Year of Last Survey: 2018	Catchment Area: 8021.00 Sq.km	Latitude: 26.93
Longitude: 88.46	Reservoir Area at FRL: NA	

Survey Details

S. No	Year of Survey	Source of data	Period (years)	Reservoir Capacity (M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	2016	-	-	36.63	7.9	28.73	-	-	-
2	2018	St.Govt (HS)	2	21.22	7.71	13.51	15.41	15.41	42.07

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation for 2 Years (Th.Cum/SqKm/yr)
1	2016	-	7	-	0.96
2	2018	2		0.96	

DURGAPUR BARRAGE

State: West Bengal	District: Burdwan	River: Damodar
Year of 1st Impoundment: 1955	MDDL: 63.40 m	FRL: 64.40 m
Year of Last Survey: 2011	Catchment Area: 2295.00 Sq. km	Latitude: 23.48
Longitude: 87.31	Reservoir Area at FRL: NA	

Survey Details

S. No.	Year of Survey	Source of data	Period (years)	Reservoir Capacity(M.cum)			Loss of Gross Capacity		
				Gross	Live	Dead	Since Last HS Survey	Cumulative	% Cumulative
1	1955	-	-	11.85	6.10	5.75	-	-	-
2	2011	CWC (HS)	56	6.44	3.94	2.50	5.41	5.41	45.68

Sedimentation Details

S.No.	Year of Survey	Years elapsed since last survey	Year of operations as on 2023	Observed Rate of Sedimentation Since Last Survey (Th.Cum/SqKm/yr)	Average Rate of Sedimentation For 56 Years (Th.Cum/SqKm/yr)
1	1955	-	68	-	0.04
2	2011	56		0.04	



**CENTRAL WATER COMMISSION
NEW DELHI
AUGUST, 2024**

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