# BRIEF NOTE ON STORAGE STATUS OF 91 RESERVOIRS IN THE COUNTRY (WITH REFERENCE TO RESERVOIR STORAGE BULLETIN OF 12.11.2015)

#### 1. ALL INDIA STATUS

Central Water Commission is monitoring live storage status of 91 reservoirs of the country on weekly basis and is issuing weekly bulletin on every Thursday. Out of these reservoirs, 37 reservoirs have hydropower benefit with installed capacity of more than 60 MW. The total live storage capacity of these 91 reservoirs is 157.799 BCM which is about 62% of the live storage capacity of 253.388 BCM which is estimated to have been created in the country. As per reservoir storage bulletin dated 12.11.2015, live storage available in these reservoirs is 85.536 BCM, which is 54% of total live storage capacity of these reservoirs. This storage is 76% of the storage of corresponding period of last year and 74% of storage of average of last ten years.

The overall storageposition is **less than the** corresponding period of last year in the country as a whole and is also **less than the** average storage of last ten years during the corresponding period.

#### 2. REGION WISE STORAGE STATUS:

#### a) NORTHERN REGION

The northern region includes States of Himachal Pradesh, Punjab and Rajasthan. There are 6 reservoirs under CWC monitoring having total live storage capacity of 18.01 BCM. As per Reservoir Storage Bulletin dated 12.11.2015, the total live storage available in these reservoirs is 13.36 BCM which is 74% of total live storage capacity of these reservoirs. The storage during corresponding period of last year was 69% and average storage of last ten years during corresponding period was 75% of live storage capacity of these reservoirs. Thus, storage during current year is better than the corresponding period of last year but is less than the average storage of last ten years during the corresponding period.

# b) EASTERN REGION

The Eastern region includes States of Jharkhand, Odisha, West Bengal and Tripura. There are 15 reservoirsunder CWC monitoring having total live storage capacity of 18.83 BCM. As per Reservoir Storage Bulletin dated 12.11.2015, the total live storage available in these reservoirs is 11.66 BCM which is 62% of total live storage capacity of these reservoirs. The storage during corresponding period of last year was 81% and average storage of last ten years during corresponding period was 77% of live storage capacity of these reservoirs. Thus, storage during current year is less than the corresponding period of last year and is also less than the average storage of last ten years during the corresponding period.

# c) WESTERN REGION

The Western region includes States of Gujarat and Maharashtra. There are 27 reservoirs under CWC monitoring having total live storage capacity of 27.07BCM. As per Reservoir Storage Bulletin dated 12.11.2015, the total live storage available in these reservoirs is 14.95 BCM which is 55% of total live storage capacity of these reservoirs. The storage during corresponding period of last year was 74% and average storage of last ten years during corresponding period was 79% of live storage capacity of these reservoirs. Thus, storage during current year is less than the storage of last year and is also less than the average storage of last ten years during the corresponding period.

#### d) CENTRAL REGION

The Central region includes States of Uttar Pradesh, Uttarakhand, Madhya Pradesh and Chhattisgarh. There are 12 reservoirs under CWC monitoring having total live storage capacity of 42.30BCM. As per Reservoir Storage Bulletin dated 12.11.2015, the total live storage available in these reservoirs is 28.75 BCM which

is **68%** of total live storage capacity of these reservoirs. The storage during corresponding period of last year was **79%** and average storage of last ten years during corresponding period was **64%** of live storage capacity of these reservoirs. Thus, storage during current year is less than the storage of last year but is better than the average storage of last ten years during the corresponding period.

### e) SOUTHERN REGION

The Southern region includes of States Andhra Pradesh, Telangana, AP&TG(2combined projects in both states) Karnataka, Kerala and Tamil Nadu. There are 31 reservoirs under CWC monitoring having total live storage capacity of 51.59 BCM. As per Reservoir Storage Bulletin dated 12.11.2015, the total live storage available in these reservoirs is 16.82 BCM which is 33% of total live storage capacity of these reservoirs. The storage during corresponding period of last year was 62% and average storage of last ten years during corresponding period was 76% of live storage capacity of these reservoirs. Thus, storage during current year is less than the corresponding period of last year and is also less than the average storage of last ten years during the corresponding period.

The region wise and reservoir wise details are given in the following pages of the Bulletin.

#### BROAD ANALYSIS OF OTHER TABLES IN THE BULLETIN

- Normal storage means average storage of last ten years, Close to normal storage means where shortfall is upto 20% of normal, deficient storage is where shortfall is more than 20% of the normal and upto 60% of the normal, highly deficient means where shortfall is more than 60% of normal.
- In the table on page 8, better than normal storage is available in Ganga, Indus, Narmada, Sabarmati and Rivers of Kutch. Close to Normal in Mahi. Deficient in Tapi, Godavari, Mahanadi & neighbouring East Flowing Rivers, Cauvery & neighbouring EFRs and West Flowing rivers of South and Highly Deficient in Krishna basin.
- Table on page 5-7 of the bulletin. The numbers of reservoirs having storagemore than last year are 14 and reservoirs having storage more than average of last ten years are 18. The numbers of reservoirs having storage less than 20% with respect to last year is 3 and having storage less than 20% with reference to average of last ten years is 6. The number of reservoirs having storage less than or equal to 50% with respect to last year are 19 and having storage less than or equal to 50% with reference to average of last ten years are 20.

States having better storage (in %) than last year for corresponding period: Himachal Pradesh and Tripura.

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

States having lesser storage (in %) than last year for corresponding period: Punjab, Rajasthan, Jharkhand, Odisha, West Bengal, Gujarat, Maharashtra, Uttar Pradesh, Uttarakhand, Madhya Pradesh, Chhattisgarh, AP&TG (2combined project in both states), Andhra Pradesh, Telangana, Karnataka, Kerala and Tamil Nadu.

#### STORAGE STATUS OF IMPORTANT RESERVOIRS IN THE COUNTRY

- 1 Central Water Commission is monitoring storage status of 91 important reservoirs spread all over the country, in which 37 reservoirs have hydropower benefit each with installed capacity of more than 60 MW. These reservoirs are identified thus(\*) in the enclosed weekly report.
- 2 The total live storage in 91 important reservoirs in different parts of the country, monitored by CWC as on 12.11.2015 is 85.536 BCM ( 54 percent of the live storage capacity at FRL ). The current year's storage is nearly 76 percent of last year's storage and 74 percent of the average of last ten years.

3 Region wise storage status:-

		Filling	positio	n of 91	reserv	oirs w	.r.t. FR	L		
REGION (States), (Monitoring No. of Reservoirs)	100%	91%- 99%	81%- 90%	71%- 80%	61%- 70%	51%- 60%	41%- 50%	40% & below	PUNJAB -25 RAJASTHAN -10 JHARKHAND -29 ODISHA -19 W. BENGAL -48 TRIPURA 91 GUJARAT -14 MAH45 U.P28 UTTARAKHAND -6 M.P. 21 CHHATISGARH -33 AP&TG -86 A,P -57 TG -84 KARNATAKA -46 KERALA -26	
NORTH (HP,Punjab & Rajasthan), (6 Resv.)	ı	1	2	1	ı	-	2	-	H.P. PUNJAB RAJASTHAN	5 % -25 % -10 %
EAST (Jharkhand,Odisha, Tripura & W.Bengal ( 15 Resv.)	-	1	2	3	1	1	2	5	JHARKHAND ODISHA W. BENGAL TRIPURA	-29 % -19 % -48 % 91 %
WEST (Guj.& Mah.), (27 Resv.)	1	2	3	4	5	3	2	7	GUJARAT MAH.	-14 % -45 %
CENTRAL (MP,UP,Uttarakhand & Chh.), (12 Resv)	1	1	2	2	2	1	3	1	U.P. UTTARAKHAND M.P. CHHATISGARH	-28 % -6 % 21 % -33 %
SOUTH (Karnataka,TN,AP&TG,AP, TG, & Kerala), ( 31 Resv.)	-	-	1	3	3	6	5	13	AP&TG A,P TG KARNATAKA KERALA T.N.	-86 % -57 % -84 % -46 % -26 % -38 %
Status of 91 reservoirs	1	5	10	13	11	11	14	26		

#### 4 Basin wise storage position:

Better than normal: Ganga, Indus, Narmada, Sabarmati, Rivers of Kutch.

Close to normal: Mahi.

Deficient: Tapi, Godavari, Mahanadi & Neighbouring EFRS, Cauvery & neighbouring EFRS and West Flowing rivers of south

Highly deficient: Krishna.

5 Out of 91 reservoirs, 35 reservoirs reported more than 80% of normal storage & 56 reservoirs reported 80% or below of normal storage. Out of these 56 reservoirs 20 having storage upto 50% of normal

storage.

Name of reservoir	%	Name of reservoir	%	Name of reservoir	%
NAGARJUNA SAGAR	0	HEMAVATHY	28		
BHIMA(UJJANI)	13	HARANGI	29		
SRIRAMSAGAR	14	ALMATTI	35		
JAYAKWADI(PAITHON)	15	MALAPRABHA(RENUKA)	38		
SALANADI	16	MANIKDOH	39		
GIRNA	17	MAITHON	43		
LOWER MANAIR	25	SOMASILA	43		
YELDARI	25	GHATAPRABHA	44		
SRISAILAM	25	LOWER BHAWANI	46		
PANCHET HILL	26	MAYURAKSHI	48		

having storage 51% to 80% of normal									
storage.									
51% 61% 71%									
to	to	to							
60%	70%	80%							
10	15	11							

36 reservors

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

26 reservoirs.

NOTE: Normal: Average of previous ten years, Close to normal: Where shortfall is up to 20% of the normal, Deficient: Where shortfall is more than 20% of the normal and up to 60% of the normal, Highly deficient: Where shortfall is more than 60% of the normal

# WEEKLY REPORT - BASINWISE

# GOVERNMENT OF INDIA

# WEEK ENDING :- 12.11.2015

# CENTRAL WATER COMMISSION

NAME OF BASIN	LIVE CAP. AT FRL	_	ÆAR'S RAGE	LAST Y STOR		LAST 10 AVG. ST	_	% DEPARTURE W.R.T. AVE. OF 10 YEARS'
GANGA	28.096	16.859	60.00%	19.029	67.73%	16.210	57.70%	4.00
INDUS	14.730	11.041	74.96%	9.620	65.31%	10.940	74.27%	0.92
NARMADA	17.414	13.704	78.70%	15.156	87.03%	12.830	73.68%	6.81
TAPI	7.394	4.723	63.88%	5.553	75.10%	5.913	79.97%	-20.13
MAHI	4.012	2.759	68.77%	3.471	86.52%	3.094	77.12%	-10.83
SABARMATI	0.735	0.592	80.54%	0.465	63.27%	0.515	70.07%	14.95
RIVERS OF KUTCH	0.887	0.713	80.38%	0.269	30.33%	0.528	59.53%	35.04
GODAVARI	15.394	6.692	43.47%	10.237	66.50%	10.907	70.85%	-38.64
KRISHNA	32.831	9.140	27.84%	18.773	57.18%	26.149	79.65%	-65.05
MAHANADI & NEIGHBOURING EFRS	13.181	7.791	59.11%	11.204	85.00%	10.733	81.43%	-27.41
CAUVERY& NEIGHBOURING EFRS	8.359	3.203	38.32%	6.333	75.76%	5.829	69.73%	-45.05
WEST FLOWING RIVERS OF SOUTH	14.766	8.319	56.34%	12.662	85.75%	12.303	83.32%	-32.38
TOTAL	157.799	85.536	•	112.772		115.951		
PERCENTAGE								-26.23

GOVERNMENT OF INDIA

CENTRAL WATER COMMISSION

	GOVERNMENT OF INDIA			WEE	K ENDING :-	12.11.2015		OLIVII VIL V	VATER CON		
			CURRENT	LIVE			STORAGE A	S % OF LIVE C FRL	APACITY AT	BENE	FITS
S. NO	NAME OF RESERVOIR	FRL (m)	CURRENT RESERVOIR LEVEL (m)	LIVE CAPACITY AT FRL (BCM)	CURRENT LIVE STORAGE (BCM)	DATE	CURRENT YEAR	LAST YEAR	LAST 10 YEARS AVERAGE	IRR. (CCA) IN TH. HA	HYDEL IN MW
1	2	4	6	5	7	8	9	10	11	3A	3B
	NORTHERN REGION										
	HIMACHAL PRADESH										
*1	GOBIND SAGAR(BHAKRA)	512.06	508.71	6.229	5.434	09-11-2015	87	80	83	676	1200
*2	PONG DAM PUNJAB	423.67	417.84	6.157	4.570	10-11-2015	74	56	71	-	360
*3	THEIN	527.91	508.69	2.344	1.037	12-11-2015	44	49	59	348	600
	RAJASTHAN										
*4	MAHI BAJAJ SAGAR	280.75	279.70	1.711	1.577	12-11-2015	92	100	85	63	140
5	JHAKAM	359.50	357.60	0.132	0.113	12-11-2015	86	92	80	28	-
*6	RANA PRATAP SAGAR	352.81	348.32	1.436	0.628	04-11-2015	44	63	72	229	172
	EASTERN REGION	•									
	<u>JHARKHAND</u>										
7	TENUGHAT	269.14	259.11	0.821	0.382	12-11-2015	47	50	43	-	-
8	MAITHON	146.3	140.79	0.471	0.187	12-11-2015	40	82	92	342	-
*9	PANCHET HILL	124.97	121.31	0.184	0.043	12-11-2015	23	54	91	\$	80
10	KONAR	425.81	423.46	0.176	0.134	12-11-2015	76	98	85	\$	-
11	TILAIYA <b>ODISHA</b>	368.81	368.01	0.142	0.116	12-11-2015	82	100	82	\$	4
*12	HIRAKUD	192.02	190.72	5.378	3.990	10-11-2015	74	87	92	153	307
*13	BALIMELA	462.08	457.41	2.676	1.885	12-11-2015	70	97	70	-	360
14	SALANADI	82.30	57.80	0.558	0.046	07-11-2015	8	48	50	42	-
*15	RENGALI	123.50	118.99	3.432	1.978	12-11-2015	58	86	83	3	200
*16	MACHKUND(JALPUT)	838.16	837.41	0.893	0.820	12-11-2015	92	96	89	-	115
*17	UPPER KOLAB	858.00	855.86	0.935	0.732	12-11-2015	78	89	68	89	320
*18	UPPER INDRAVATI	642.00	634.85	1.456	0.734	12-11-2015	50	88	77	128	600
	WEST BENGAL										
	MAYURAKSHI	121.31	111.16	0.480	0.103	12-11-2015	21	23	45	227	-
20	KANGSABATI	134.14	124.01	0.914	0.229	12-11-2015	25	27	46	341	-
	TRIPURA										
21	GUMTI	93.55	92.85	0.312	0.281	10-11-2015	90	36	47	-	15
	WESTERN REGION										
*22	<b>GUJARAT</b> UKAI	105 16	100.93	6.615	4 446	0E 11 201E	67	77	04	240	200
	SABARMATI(DHAROI)	105.16 189.59	100.83 188.06			05-11-2015 12-11-2015	67 81	77 63	81 70	348 95	300
	KADANA	127.7	123.12			12-11-2015	52	78	69		120
	SHETRUNJI	55.53	55.27			12-11-2015	93	42			-
	BHADAR	107.89	106.32		0.127	12-11-2015	68	40	74		
	DAMANAGANGA	79.86	79.80			05-11-2015	95	91	98		1
	DANTIWADA	184.1	181.46		0.307	12-11-2015	77	17			
	PANAM	127.41	123.15			12-11-2015	44	71	75		
	SARDAR SAROVAR	121.92	119.58			12-11-2015	74	70	76		1450
	KARJAN	115.25	108.08			05-11-2015	62	89	97	51	3

GOVERNMENT OF INDIA

CENTRAL WATER COMMISSION

	GOVERNMENT OF INDIA			WEE	K ENDING :-	12.11.2015		CENTRALV	VATER OOM	IIVIIOOIO	IN
			QUIDDENT				STORAGE A	S % OF LIVE C FRL	APACITY AT	BENE	FITS
S. NO	NAME OF RESERVOIR	FRL (m)	CURRENT RESERVOIR LEVEL (m)	LIVE CAPACITY AT FRL (BCM)	CURRENT LIVE STORAGE (BCM)	DATE	CURRENT YEAR	LAST YEAR	LAST 10 YEARS AVERAGE	IRR. (CCA) IN TH. HA	HYDEL IN MW
1	2	4	6	5	7	8	9	10	11	ЗА	3B
	MAHARASHTRA								<u>'</u>		
32	JAYAKWADI(PAITHON)	463.91	456.73	2.171	0.196	12-11-2015	9	32	58	227	-
*33	KOYANA	657.90	650.47	2.652	1.797	04-11-2015	68	95	97	-	1920
34	BHIMA(UJJANI)	496.83	491.90	1.517	0.179	05-11-2015	12	94	90	125	12
35	ISAPUR	441.00	433.18	0.965	0.348	29-10-2015	36	76	71	104	-
36	MULA	552.30	544.75	0.609	0.274	07-11-2015	45	84	87	139	-
37	YELDARI	461.77	451.71	0.809	0.120	05-11-2015	15	57	59	78	-
38	GIRNA	398.07	384.56	0.524	0.052	05-11-2015	10	45	57	79	-
39	KHADAKVASLA	582.47	579.73	0.056	0.022	05-11-2015	39	77	54	78	8
	UPPER VAITARNA	603.50	600.20		0.225	05-11-2015	68	88	94	-	61
	UPPER TAPI	214.00	214.00	0.255	0.255	05-11-2015	100	100	100	45	-
	PENCH (TOTALADOH)	490.00	484.22		0.625	05-11-2015	57	55	70	127	160
43	UPPER WARDHA	342.50	341.50	0.564	0.477	12-11-2015	85	87	90	70	-
44	BHATSA	142.07	133.80	0.942	0.731	05-11-2015	78	90		29.378	15
45	DHOM	747.70	737.19		0.181	05-11-2015	55	96	89	36.2	2
46	DUDHGANGA MANIKDOH (KUKADI)	646.00	639.54	0.664	0.473	04-11-2015	71	102	99	2.441	24
47 48	MANIKDOH (KUKADI) BHANDARDARA	711.25 342.50	693.19 341.50	0.288 0.304	0.075 0.167	05-11-2015 12-11-2015	26 85	64 87	67 90	2.2 70	6
	CENTRAL REGION										
	UTTAR PRADESH										
49	MATATILA	308.46	304.83	0.707	0.288	09-11-2015	41	59	76	-	30
*50	RIHAND	268.22	259.24	5.649	1.948	12-11-2015	34	40	45	-	300
	<u>UTTRAKHAND</u>										
*51	RAMGANGA	365.30	354.08	2.196	1.403	12-11-2015	64	86	73	1897	198
*52	TEHRI	830.00	815.60	2.615	2.035	12-11-2015	78	88	79	2351	1000
	MADHYA PRADESH										
*53	GANDHI SAGAR	399.90	399.08	6.827	6.123	12-11-2015	90	72	51	220	115
	TAWA	355.40	354.03	1.944	1.781	12-11-2015	92	94	93	247	-
	BARGI	422.76	421.15		2.772	12-11-2015	87	96	86	157	90
	BANSAGAR	341.64	336.31	5.166	2.959	12-11-2015	57		57	488	425
	INDIRA SAGAR	262.13	259.38		7.351	12-11-2015	75		65	2380	1000
58	BARNA CHHATTIS GARH	348.55	346.40	0.456	0.316	12-11-2015	69	72	71	546	-
*50	MINIMATA BANGOI	359.66	349.68	3.046	1.411	10-11-2015	46	85	67	_	120
	MAHANADI	348.70	343.77			10-11-2015	48	91	77	319	10
	SOUTHERN REGION	0.00	0.0	0.701	0.000			0.		0.0	
	A.P & TG										
*61	SRISAILAM	269.75	255.68	8.288	1.602	12-11-2015	19	3	76	0	770
	NAGARJUNA SAGAR	179.83	155.11	6.841	0.000	12-11-2015	0	58	73	895	810
	ANDHRA PRADESH										
63	SOMASILA	100.58	88.60	1.994	0.588	12-11-2015	29	65	68	168	0
	<u>TELANGANA</u>										
64	SRIRAMSAGAR	332.54	320.68	2.300	0.208	12-11-2015	9	29	66	411	27
65	LOWER MANAIR	280.42	269.05	0.621	0.106	12-11-2015	17	33	68	199	60

#### WEEKLY REPORT OF 91 IMPORTANT RESERVOIRS OF INDIA

**GOVERNMENT OF INDIA** 

CENTRAL WATER COMMISSION

				WEE	K ENDING :-	12.11.2015					
			CURRENT	10/5			STORAGE A	AGE AS % OF LIVE CAPACITY AT FRL			EFITS
S. NO	NAME OF RESERVOIR	FRL (m)	CURRENT RESERVOIR LEVEL (m)	LIVE CAPACITY AT FRL (BCM)	CURRENT LIVE STORAGE (BCM)	DATE	CURRENT YEAR	LAST YEAR	LAST 10 YEARS AVERAGE	IRR. (CCA) IN TH. HA	HYDEL IN MW
1	2	4	6	5	7	8	9	10	11	ЗА	3B
	KARNATAKA			l	ľ			I.	I.		ı
66	KRISHNARAJA SAGRA	752.50	747.70	1.163	0.747	09-11-2015	64	100	89	79	_
*67	TUNGABHADRA	497.74	492.87	3.276	1.432	12-11-2015	44	82	80	529	72
68	GHATAPRABHA	662.95	648.51	1.391	0.529	12-11-2015	38	92	86	317	-
69	BHADRA	657.76	650.74	1.785	1.055	12-11-2015	59	93	92	106	39
70	LINGANAMAKKI	554.43	546.58	4.294	2.272	09-11-2015	53	90	88	-	55
71	NARAYANPUR	492.25	490.22	0.863	0.500	12-11-2015	58	60	87	425	-
72	MALAPRABHA(RENUKA)	633.83	626.34	0.972	0.266	12-11-2015	27	70	73	215	-
73	KABINI(Sancherla Tank)	696.16	691.64	0.444	0.210	09-11-2015	47	84	45	85	-
74	HEMAVATHY	890.63	876.93	0.927	0.203	09-11-2015	22	89	79	265	-
75	HARANGI	871.42	856.08	0.220	0.038	09-11-2015	17	53	59	53	-
76	SUPA	564.00	540.83	4.120	1.821	07-11-2015	44	77	75	-	-
77	VANIVILAS SAGAR	652.28	637.15	0.802	0.097	12-11-2015	12	10	19	123	-
*78	ALMATTI	519.60	512.66	3.105	0.932	12-11-2015	30	80	86	@	290
*79	GERUSOPPA	55.00	49.87	0.130	0.101	11-11-2015	78	77	82	83	240
	KERALA										
80	KALLADA(PARAPPAR)	115.82	109.70	0.507	0.357	09-11-2015	70	95	88	62	-
*81	IDAMALAYAR	169.00	151.65	1.018	0.554	09-11-2015	54	90	83	33	75
*82	IDUKKI	732.43	720.07	1.460	0.827	09-11-2015	57	80	74	-	780
*83	KAKKI	981.46	968.85	0.447	0.266	10-11-2015	60	77	87	23	300
*84	PERIYAR	867.41	864.95	0.173	0.128	09-11-2015	74	100	68	84	140
85	MALAPMUZHA	867.41	864.95	0.224	0.151	09-11-2015	74	100	68	84	140
	TAMIL NADU										
86	LOWER BHAWANI	278.89	268.12	0.792	0.251	09-11-2015	32	66	68	105	8
*87	METTUR(STANLEY)	240.79	227.63	2.647	1.099	09-11-2015	42	74	66	122	360
88	VAIGAI	279.20	273.59	0.172	0.067	09-11-2015	39	42	62	61	6
89	PARAMBIKULAM	556.26	550.55	0.380	0.264	09-11-2015	69	98	89	101	-
90	ALIYAR	320.04	317.27	0.095	0.078	09-11-2015	82	100	94	#	60
*91	SHOLAYAR	1002.79	985.86	0.143	0.069	09-11-2015	48	99	92	-	95
	TOTAL FOR 91 RESERVOIRS			157.799	85.536						

Sd/-

73

\$ TOTAL CCA 342 TH. HA OF DVC SYSTEM

PERCENTAGE

Director W. M. , CWC

(At sl. 30th) 0.444 BCM, Live storage at FRL of Kabini reservoir is intrim

 $<sup>^{\</sup>star}$  HYDEL POWER CAPACITY HAVING CAPACITY MORE THAN 60MW

<sup>#</sup> TOTAL CCA 101 TH. HA OF PARAMBIKULAM & ALIYAR

 $<sup>@^{\</sup>scriptscriptstyle |}$  TOTAL CCA 425 TH. HA. OF NARAYANPUR AND ALMATTI

 $<sup>\</sup>dagger$  SABARMATI RESERVOIR IS SUPPLEMENTED WITH NARMADA WATER THROUGH PIPELINE.

SI. No. 19th The FRL of S.S.P. 138.38 M and Live capacity at FRL will be 5.760 BCM. However at present the lowest block of the dam is at the level of 121.92 M. and the live capacity at this level is 1.566 BCM