MINISTRY OF JAL SHAKTI

DEMAND NO. 61

Department of Water Resources, River Development and Ganga Rejuvenation

(In ₹ crores)

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		Actual 2018-2019			_	Budget 2019-2020			Revised 2019-2020			Budget 2020-20		
		Revenue	Capital		Revenue	Capital		Revenue	Capital		Revenue	Capital	Total	
Gro		7132.83	325.08	7457.91	7890.15	414.47	8304.62	7266.25	342.48	7608.73	8641.49	409.02	9050.51	
Recor		-27.98	-7.85	-35.83	-36.37	-23.00	-59.37	-67.52	-23.00	-90.52	-67.12	-23.00	-90.12	
Rece	-													
No	et	7104.85	317.23	7422.08	7853.78	391.47	8245.25	7198.73	319.48	7518.21	8574.37	386.02	8960.39	
A. The Budget allocations, net of recoveries, are given below:														
CENTRE'S EXPENDITURE														
Establishment Expenditure of the Centre														
1. Secretariat														
1.01 Secretariat		79.85		79.85	98.83		98.83	91.78		91.78	95.00		95.00	
1.02 Recoveries		-0.03		-0.03										
	Net	79.82		79.82	98.83		98.83	91.78		91.78	95.00		95.00	
Attached, Subordinate and Other Offices														
2. Central Water Commission														
2.01 Central Water Commission		361.09	0.63	361.72	434.75	0.80	435.55	410.89	0.98	411.87	410.56	0.98	411.54	
2.02 Recoveries		-0.09		-0.09	-9.00		-9.00	-9.00		-9.00	-9.00		-9.00	
	Net	361.00	0.63	361.63	425.75	0.80	426.55	401.89	0.98	402.87	401.56	0.98	402.54	
3. Central Water and Power Research Station														
3.01 Central Water and Power Research Station		75.12	0.09	75.21	86.12	0.11	86.23	86.97	0.11	87.08	86.96	0.14	87.10	
3.02 Recoveries		-12.94		-12.94	-13.10		-13.10	-13.10		-13.10	-14.10		-14.10	
	Net	62.18	0.09	62.27	73.02	0.11	73.13	73.87	0.11	73.98	72.86	0.14	73.00	
4. Central Soil and Material Research Station		14.54	0.09	14.63	16.27	0.09	16.36	16.54	0.09	16.63	16.21	0.04	16.25	
5. Sardar Sarovar Construction Advisory Committee		0.46		0.46	0.58		0.58	0.36		0.36	0.50		0.50	
Bansagar Control Board		0.36		0.36	0.53		0.53	0.53		0.53	0.40		0.40	
7. Upper Yamuna River Board														
7.01 Upper Yamuna River Board		10.86		10.86	2.32	8.00	10.32	2.32	8.00	10.32	1.66	8.00	9.66	
7.02 Recoveries		-1.33		-1.33	-0.02	-8.00	-8.02	-0.02	-8.00	-8.02	-0.02	-8.00	-8.02	
	Net	9.53		9.53	2.30		2.30	2.30		2.30	1.64		1.64	
8. Central Ground Water Board		226.82	0.06	226.88	229.40	0.05	229.45	242.82		242.82	244.95	0.05	245.00	

Total-Establishment Expenditure of the Centre Projects Proj			٨٠٠	A							20	l Buda	•	crores)
9. National Planting of Hydrology						_						_		
1	9.	National Institute of Hydrology					•			•			-	<u>Total</u> 25.02
12. Nation-II Fuer Conservation Directorate	10.					2.02	0.05	2.07	2.36	0.05	2.41	2.49	0.01	2.50
Total-Establishment Expenditure of the Centre	11.	Cauvery Water Management Authority	2.00		2.00									
Contral Sector Schemes/Projects 1.3.0 1.4.0 1.5.0 1	12.	National River Conservation Directorate		•••		8.00	***	8.00	8.00		8.00	6.00	•••	6.00
Central Sector Schemes/Projects 13. National River Conservation Plan 15.00 EAP Component 1600.00 1600.00 1200.00	Total	-Attached, Subordinate and Other Offices	697.89	0.87	698.76	784.37	1.10	785.47	772.45	1.23	773.68	771.63	1.22	772.85
13. National River Conservation Plan 13.01 EAP Component 1500.00 1500.00 1200.00	Total-Es	tablishment Expenditure of the Centre	777.71	0.87	778.58	883.20	1.10	884.30	864.23	1.23	865.46	866.63	1.22	867.85
13.01 EAP Component	Central S	Sector Schemes/Projects												
13.02 Programme Component 20.00 20.00 20.00 20.0	13.	National River Conservation Plan												
Total-National River Conservation Plan 162.0.0 162.0.0 120.0.0 120.0.0 120.0.0 120.0.0 120.0.0 120.0.0 840.01		13.01 EAP Component	1600.00		1600.00	1200.00		1200.00	1200.00		1200.00	840.00		840.00
Major Irrigation Projects 14. Farakka Barrage Project 14.01 Farakka Barrage Project 14.02 Recoveries		13.02 Programme Component	20.00		20.00	20.00		20.00	0.02		0.02	0.01		0.01
14. Farakka Barrage Project 14.01 Farakka Barrage Project 14.02 Recoveries 11.47		Total- National River Conservation Plan	1620.00		1620.00	1220.00		1220.00	1200.02		1200.02	840.01		840.01
14.01 Farakka Barrage Project 64.26 50.00 114.26 59.25 75.00 134.25 66.30 50.10 116.40 67.55 52.45 14.02 Recoveries -11.47 -11.47 -14.25 -14.25 -14.25 -45.40 -45.40 -44.00 15.	Majo	r Irrigation Projects												
14.02 Recoveries	14.	Farakka Barrage Project												
Net S2.79 S0.00 102.79 45.00 75.00 120.00 20.90 50.10 71.00 23.55 52.45		14.01 Farakka Barrage Project	64.26	50.00	114.26	59.25	75.00	134.25	66.30	50.10	116.40	67.55	52.45	120.00
15. Emergent Flood Protection Works in Eastern and Western Sectors 16. Dam Rehabilitation and Improvement Programme 16.01 EAP Component 16.02 Programme Component 16.03 Programme Component 16.04 Dam Rehabilitation and Improvement Programme 16.05 Programme Component 16.06 Programme Component 16.06 Programme Component 16.07 Lam Rehabilitation and Improvement Programme 16.08 Programme Component 16.09 Programme Component 16.01 Lam Rehabilitation and Improvement Programme 17.01 Dam Rehabilitation and Improvement Programme 18. River Basin Management 18. River Basin Management 19. Interlinking of Rivers 10. 11. 42.61 17.70 42.49 60.19 17.02 42.49 60.19 17.03 42.49 60.19 17.03 12.58 23.91 36.49 17.04 2.51 30.13 17.04 2.51 30.09 18. 20.91 13.26 2.25 15.51 13.13 4.00 18. 20.91 13.26 2.25 15.51 13.13 4.00 19. 10.01 12.58 23.91 36.49 19. 10.01 12.58 23.91 36.49 11.70 42.49 60.19 12.58 23.91 36.49 11.74 26.13 18. 0.01 12.58 23.91 36.49 11.74 26.13 18. 0.01 12.58 23.91 36.49 11.74 2.613 18. 0.01 12.58 23.91 36.49 11.74 2.613 18. 0.01 12.58 23.91 36.49 11.74 2.613 19. 10.01 12.58 23.91 36.49 11.74 2.613 11.74 2.613 11.75 2.00 16.71 20.32 8.86 29.18 11.70 42.49 60.19 12.58 23.91 36.49 11.74 2.613 11.70 42.49 60.19 12.58 23.91 36.49 11.74 2.613 11.74 2.613 11.70 42.49 60.19 12.58 23.91 36.49 11.74 2.613 12.59 13. 13. 13. 4.00 12. 20.91 38.02 13. 20.91 3		14.02 Recoveries	-11.47		-11.47	-14.25		-14.25	-45.40		-45.40	-44.00		-44.00
Western Sectors Dam Rehabilitation and Improvement Programme 16.01 EAP Component 26.20 16.41 42.61 17.70 42.49 60.19 12.58 23.91 36.49 11.74 26.13 16.02 Programme Component 6.71 6.71 20.32 8.86 29.18 13.26 2.25 15.51 13.13 4.00 17.01 Programme Component 7.011 Programme 32.91 16.41 49.32 38.02 51.35 89.37 25.84 26.16 52.00 24.87 30.13 30.13 30.14 30.13 30.14 30.13 30.13 30.14 30.13 30.14 30.13 30.13 30.14 30.13 30.14 30.13 30			Net 52.79	50.00	102.79	45.00	75.00	120.00	20.90	50.10	71.00	23.55	<i>52.45</i>	76.00
16.01 EAP Component 26.20 16.41 42.61 17.70 42.49 60.19 12.58 23.91 36.49 11.74 26.13 16.02 Programme Component 6.71 6.71 20.32 8.86 29.18 13.26 2.25 15.51 13.13 4.00 Total- Dam Rehabilitation and Improvement Programme 32.91 16.41 49.32 38.02 51.35 89.37 25.84 26.16 52.00 24.87 30.13 Total-Major Irrigation Projects 85.70 66.41 152.11 83.02 126.36 209.38 46.74 76.27 123.01 48.42 82.59 Namami Gange 17.01 National Ganga Plan and Ghat Works 17.01 National Ganga Plan 637.50 637.50 700.00 700.00 353.40 353.40 800.00 17.02 Ghat Works for Beautification of River Front 50.00 50.00 50.00 50.00 0.02 0.02 0.01 17.03 Transfer to National Clean Energy Fund (NCEF)		Western Sectors					0.01	0.01		0.01	0.01		0.01	0.01
Total- Dam Rehabilitation and Improvement Programme 32.91 16.41 49.32 38.02 51.35 89.37 25.84 26.16 52.00 24.87 30.13			26.20	16.41	42.61	17.70	42.49	60.19	12.58	23.91	36.49	11.74	26.13	37.87
Total- Dam Rehabilitation and Improvement Programme 32.91 16.41 49.32 38.02 51.35 89.37 25.84 26.16 52.00 24.87 30.13		16.02 Programme Component	6.71		6.71	20.32	8.86	29.18	13.26	2.25	15.51	13.13	4.00	17.13
Namami Gange		Total- Dam Rehabilitation and Improvement Programme	32.91	16.41	49.32	38.02	51.35	89.37	25.84	26.16	52.00	24.87	30.13	55.00
17. National Ganga Plan and Ghat Works 17.01 National Ganga Plan 17.02 Ghat Works for Beautification of River Front 17.03 Transfer to National Clean Energy Fund (NCEF) 17.04 Less-Amount met from National Clean Energy Fund (NCEF) Net 687.50 687.50 750.00 687.50 750.00 750.00 353.42 353.42 800.01 River Basin Management 18. River Basin Management 19. Interlinking of Rivers 10.01 National Ganga Plan and Ghat Works 10.02 353.40 800.00 353.40 353.40 800.00	Total	-Major Irrigation Projects	85.70	66.41	152.11	83.02	126.36	209.38	46.74	76.27	123.01	48.42	82.59	131.01
17.01 National Ganga Plan 637.50 637.50 700.00 700.00 353.40 353.40 800.00 17.02 Ghat Works for Beautification of River Front 50.00 50.00 50.00 50.00 50.00 50.00 0.02 0.02 0.01	Nama	ami Gange												
17.02 Ghat Works for Beautification of River Front 50.00 50.00 50.00 50.00 0.02 0.02 0.01 17.03 Transfer to National Clean Energy Fund (NCEF)	17.	National Ganga Plan and Ghat Works												
17.03 Transfer to National Clean Energy Fund (NCEF) 17.04 Less-Amount met from National Clean Energy Fund (NCEF) Net 687.50 687.50 750.00 750.00 353.42 353.42 800.01 River Basin Management 18. River Basin Management 19. Interlinking of Rivers 10. National Clean Energy Fund (NCEF) Net 687.50 687.50 750.00 750.00 353.42 353.42 800.01 10. National Clean Energy Fund (NCEF) Net 687.50 687.50 750.00 750.00 353.42 353.42 800.01 10. National Clean Energy Fund (NCEF) Not 687.50 687.50 750.00 750.00 353.42 353.42 800.01 11. National Clean Energy Fund (NCEF) Not 687.50 687.50 750.00 750.00 353.42 353.42 800.01 12. National Clean Energy Fund (NCEF) Not 687.50 687.50 750.00 750.00 353.42 353.42 800.01 Not 687.50 687.50 750.00 750.00 353.42 353.42 800.01		17.01 National Ganga Plan	637.50		637.50	700.00	•••	700.00	353.40		353.40	800.00		800.00
17.04 Less-Amount met from National Clean		17.02 Ghat Works for Beautification of River Front	50.00		50.00	50.00		50.00	0.02		0.02	0.01		0.01
17.04 Less-Amount met from National Clean Energy Fund (NCEF) Net 687.50 687.50 750.00 750.00 353.42 353.42 800.01 River Basin Management 18. River Basin Management 19. Interlinking of Rivers 10.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01														•••
Net 687.50 687.50 750.00 750.00 353.42 353.42 800.01 River Basin Management 18. River Basin Management 176.25 0.08 176.33 199.17 0.83 200.00 160.79 0.75 161.54 199.25 0.75 19. Interlinking of Rivers 0.01 0.01 0.01		17.04 Less-Amount met from National Clean												
River Basin Management 18. River Basin Management 176.25 0.08 176.33 199.17 0.83 200.00 160.79 0.75 161.54 199.25 0.75 19. Interlinking of Rivers 0.01 0.01 0.01 0.01			Net 687.50		687.50	750.00		750.00	353.42		353.42	800.01		800.01
19. Interlinking of Rivers 0.01 0.01 0.01 0.01	River	Basin Management												
	18.	River Basin Management	176.25	0.08	176.33	199.17	0.83	200.00	160.79	0.75	161.54	199.25	0.75	200.00
Total-River Basin Management 176.25 0.08 176.33 199.18 0.83 200.01 160.80 0.75 161.55 199.25 0.75	19.	Interlinking of Rivers				0.01		0.01	0.01		0.01			
	Total	-River Basin Management	176.25	0.08	176.33	199.18	0.83	200.01	160.80	0.75	161.55	199.25	0.75	200.00
Water Resources Management	Wate	r Resources Management												

											-	(In ₹	crores)	
		Actual 2018-2019			Budget 2019-2020			Revis	ed 2019-20	20	Budget 2020-2021			
		Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	
20.	Development of Water Resources Information System	65.97	8.10	74.07	79.05	20.95	100.00	92.30	27.70	120.00	107.44	32.56	140.00	
21.	Ground Water Management and Regulation													
	21.01 Ground Water Management and Regulation	76.94	193.23	270.17	80.00	195.00	275.00	79.53	178.65	258.18	85.77	204.23	290.00	
	21.02 Recoveries	-2.12	-7.85	-9.97		-15.00	-15.00		-15.00	-15.00		-15.00	-15.00	
	Net	74.82	185.38	260.20	80.00	180.00	260.00	79.53	163.65	243.18	85.77	189.23	275.00	
22.	National Hydrology Project													
	22.01 EAP Component	39.33	1.36	40.69	72.47	2.53	75.00	80.37	1.81	82.18	91.82	8.17	99.99	
	22.02 Programme Component	37.08	1.45	38.53	72.47	2.53	75.00	66.02	1.80	67.82	91.83	8.18	100.01	
	Total- National Hydrology Project	76.41	2.81	79.22	144.94	5.06	150.00	146.39	3.61	150.00	183.65	16.35	200.00	
23.	Research and Development and Implementation of National Water Mission	53.35	5.91	59.26	43.48	6.52	50.00	42.68	7.32	50.00	48.68	11.32	60.00	
24.	HRD/Capacity Building Programme	46.52	1.20	47.72	58.55	1.45	60.00	32.68	0.33	33.01	47.12	2.88	50.00	
25.	Infrastructure Development	2.00	46.13	48.13	2.30	47.70	50.00	2.30	37.70	40.00	2.70	47.30	50.00	
Total	-Water Resources Management	319.07	249.53	568.60	408.32	261.68	670.00	395.88	240.31	636.19	475.36	299.64	775.00	
Total-Ce	entral Sector Schemes/Projects	2888.52	316.02	3204.54	2660.52	388.87	3049.39	2156.86	317.33	2474.19	2363.05	382.98	2746.03	
	y Sponsored Schemes han Mantri Krishi Sinchai Yojna													
	•													
26.	Har Khet Ko Pani	2180.19		2180.19			1069.55	1021.04		1021.04	1050.50		1050.50	
27.	Impact Assessment Studies	0.28		0.28	1.00		1.00	0.60		0.60	1.00		1.00	
28.	Assistance for Sutlej Yamuna Link Canal Project				0.01		0.01	0.01		0.01	0.01		0.01	
29.	Flood Management and Border Areas Programme(FMBAP)	705.77	0.34	706.11	698.50	1.50	700.00	654.86	0.92	655.78	748.18	1.82	750.00	
30.	Irrigation Census	52.38		52.38	50.00		50.00	46.00		46.00	50.00		50.00	
31.	Atal Bhujal Yojna													
	31.01 EAP Component				0.50		0.50	0.50		0.50	50.00		50.00	
	31.02 Programme Component				0.50		0.50	0.50		0.50	150.00		150.00	
	Total- Atal Bhujal Yojna				1.00		1.00	1.00		1.00	200.00		200.00	
32.	Servicing of loans from NABARD under PMKSY													
	32.01 Payment of interest for NABARD loan to NWDA under PMKSY				1602.00		1602.00	1728.61		1728.61	1900.00		1900.00	
	32.02 Repayment of principal for NABARD loan to NWDA under PMKSY				32.00		32.00	31.25		31.25	475.00		475.00	
	32.03 Interest subvention for NABARD to States under PMKSY				360.00		360.00	241.26		241.26	300.00		300.00	
	Total- Servicing of loans from NABARD under PMKSY				1994.00		1994.00	2001.12		2001.12	2675.00		2675.00	
33.	Special Package for Irrigation Projects to address agrarian distress in districts of Vidarbha and	500.00		500.00	300.00		300.00	300.00		300.00	400.00		400.00	

							·	·		•		(In ₹ crores,		
		Actu	al 2018-20	19	Budget 2019-2020			Revis	ed 2019-20)20	Budget 2020-2021			
		Revenue	Capital	Total										
Tota	Marathawada and other chronically drought prone areas of rest of Maharashtra I-Pradhan Mantri Krishi Sinchai Yojna	3438.62	0.34	3438.96	4114.06	1.50	4115.56	4024.63	0.92	4025.55	5124.69	1.82	5126.51	
34.	National River Conservation Plan -Other Basins													
	34.01 EAP Component				50.00		50.00	7.01		7.01	57.00		57.00	
	34.02 Programme Component				146.00		146.00	146.00		146.00	163.00		163.00	
	Total- National River Conservation Plan -Other Basins				196.00		196.00	153.01		153.01	220.00		220.00	
Total-Ce Grand T	entrally Sponsored Schemes Cotal	3438.62 7104.85	0.34 317.23	3438.96 7422.08		1.50 391.47	4311.56 8245.25	4177.64 7198.73	0.92 319.48	4178.56 7518.21	5344.69 8574.37	1.82 386.02	5346.51 8960.39	
B. Develo	pmental Heads													
Economic	Services													
1.	Major and Medium Irrigation	2165.49		2165.49	2852.15		2852.15	2821.82		2821.82	3873.06		3873.06	
2.	Minor Irrigation	304.30		304.30	314.81		314.81	325.58		325.58	335.37		335.37	
3.	Flood Control and Drainage	208.75		208.75	156.19		156.19	134.13		134.13	39.78		39.78	
4.	New and Renewable Energy													
5.	Other Transport Services	52.79		52.79	45.00		45.00	20.90		20.90	23.55		23.55	
6.	Ecology and Environment	2307.50		2307.50	1985.60		1985.60	1569.04	•••	1569.04	1653.63		1653.63	
7.	Secretariat-Economic Services	79.82		79.82	98.83		98.83	91.78	•••	91.78	95.00		95.00	
8.	Capital Outlay on Major and Medium Irrigation		35.28	35.28		85.72	85.72		65.72	65.72		92.67	92.67	
9.	Capital Outlay on Minor Irrigation		214.42	214.42		200.15	200.15		181.66	181.66		212.78	212.78	
10.	Capital Outlay on Flood Control Projects		17.53	17.53		28.40	28.40		19.80	19.80		25.82	25.82	
11.	Capital Outlay on Other Transport Services		50.00	50.00		75.00	75.00		50.10	50.10		52.45	52.45	
Total-Eco Others	nomic Services	5118.65	317.23	5435.88	5452.58	389.27	5841.85	4963.25	317.28	5280.53	6020.39	383.72	6404.11	
12.	North Eastern Areas				438.46		438.46	368.37		368.37	437.51		437.51	
13.	Grants-in-aid to State Governments	1986.20		1986.20	1942.54		1942.54	1846.91		1846.91	2095.27		2095.27	
14.	Grants-in-aid to Union Territory Governments				20.20		20.20	20.20		20.20	21.20		21.20	
15.	Capital Outlay on North Eastern Areas					2.19	2.19		2.19	2.19		2.29	2.29	
16.	Loans and Advances to State Governments					0.01	0.01		0.01	0.01		0.01	0.01	
Total-Others Grand Total		1986.20 7104.85	317.23	1986.20 7422.08	2401.20 7853.78	2.20 391.47	2403.40 8245.25	2235.48 7198.73	2.20 319.48	2237.68 7518.21	2553.98 8574.37	2.30 386.02	2556.28 8960.39	

	Budget Support	IEBR	Total									
C. Investment in Public Enterprises												
1. NABARD		6893.40	6893.40		8217.79	8217.79		4883.96	4883.96		5000.00	5000.00
2. WAPCOS Limited		75.54	75.54		95.30	95.30		76.00	76.00		78.00	78.00
_ Total		6968.94	6968.94		8313.09	8313.09	•••	4959.96	4959.96	•••	5078.00	5078.00

- 1. **Secretariat:** Provision is for Secretariat establishment expenditure including all tribunals of the Ministry.
- 2. **Central Water Commission:** Provision is for establishment expenditure of Central Water Commission and the works relating to Data Collection, Direction & Administration, Survey & Investigation, Hydrological Observation, Training, Research, Consultancy, Contribution to International Bodies, Modernization of Equipment, Cell for Monitoring Externally Aided Project, Water Planning, Payment to Government of Bhutan for Maintenance of Flood Forecasting & Warning Centre and Strengthening & Modernization of Flood Forecasting and Hydrological Observation Network in Brahmaputra and Barak Basin.
- 3. **Central Water and Power Research Station:** Provision is for establishment expenditure of Central Water and Power Research Station. Its functions are Planning, organizing and undertaking specific research studies relating to all phases of water resources development including water-borne transport and environmental aspects. It also renders consultancy and/or advisory services to the Central and State Governments as may be called upon from time to time
- 4. **Central Soil and Material Research Station:** Provision is for establishment expenditure of Central Soil and Material Research Station. CSMRS deals with field and laboratory investigations, basic and applied research on problems in geo-mechanics, concrete technology, construction materials and associated environmental issues, having direct bearing on the development of irrigation and power in the country and functions as an adviser and consultant in the above fields to various projects and organizations in India and abroad.
- 5. **Sardar Sarovar Construction Advisory Committee:** Provision is for establishment expenditure of Sardar Sarovar Construction Advisory Committee. This committee was constituted in 1980 by the Government of India in accordance with the decisions of the Narmada Water Disputes Tribunal (NWDT) with a view to ensuring efficient, economical and early execution of Unit-I (Dam and Appurtenant works) and Unit-III (Hydro Power works) of the Sardar Sarovar Project.
- 6. **Bansagar Control Board:** Provision is establishment expenditure of Bansagar Control Board. Based on the Inter-State Agreement among the Chief Ministers of Madhya Pradesh, Uttar Pradesh and Bihar, Bansagar Control Board was constituted in January 1976 for efficient, economical and early execution of Bansagar Dam and connected works. The respective States carry out works of canals and power systems within their territory. The Control Board has an overall responsibility for construction of the Bansagar dam and its appurtenant structures.

- 7. **Upper Yamuna River Board:** Provision is establishment expenditure of monitoring of Upper Yamuna River Board. The main function of Upper Yamuna River Board is to regulate the allocation of available flows amongst the beneficiary States and also monitoring the return flows; monitoring conserving and upgrading the quality of surface and ground water; maintaining hydro-meteorological data for the basin; over viewing plans for watershed management; monitoring and reviewing the progress of all projects upto and including Okhla barrage.
- 8. **Central Ground Water Board:** Provision is for establishment expenditure of Central Ground Water Board. Central Ground Water Board (CGWB), is a multidisciplinary scientific organization with a mandate to Develop and disseminate technologies and monitor and implement national policies for the scientific and sustainable development and management of ground water resources, including their exploration, assessment, conservation, augmentation, protection from pollution, and distribution, based on principles of economic and ecological efficiency and equity. CGWB, being the national apex organization, is vested with the responsibilities to carry out scientific studies, exploration aided by drilling, monitoring of ground water regime, assessment, augmentation, management and regulation of ground water resources.
- 9. **National Institute of Hydrology:** Provision is for National Institute of Hydrology. The Institute was established in December, 1979 by the Government of India as an autonomous society fully aided by the Union Ministry of Water Resources. Its main functions are to undertake, aid, promote and co-ordinate systematic and scientific work in all aspects of Hydrology, to co-operate and collaborate with other National, Foreign and International Organisations in the field of Hydrology, to establish and maintain a research and reference library in pursuance of objectives of the Society and equip the same with books, reviews, magazines newspapers and other relevant publications etc.
- 10. **National Water Informatics Centre:** Provision is for establishment expenditure of National Water Informatics Centre (NWIC). The Informatics Centre was set up with approval of Cabinet. The EFC Meeting was held on 16.10.2015 and it was considered that in view the importance of National Hydrology data, the entire data and Decision Support System would be managed by NWIC.
- 12. **National River Conservation Directorate:** Provision is made for Establishment Expenditure for National River Conservation Directorate. The National River Conservation Directorate (NRCD) is providing financial assistance under the National River Conservation Plan to the State Governments/ local bodies to set up infrastructure for pollution abatement of rivers in identified polluted river stretches based on proposals received from the State Governments/ local bodies, excluding Ganga and its tributaries. NRCD has been shifted from M/o Environment, Forests & Climate Change in Budget 2019-20 (Regular). Provision up FY 2018-19 is available in the budget of MoEF&CC.

- 13. **National River Conservation Plan:** Provision is for National River Conservation Programme relating to River Ganga and its tributaries. Under this programme, the Word Bank assisted projects under National Ganga River Conservation Authorities are executed as National Mission for Clean Ganga.
 - 14.01. Farakka Barrage Project: Provision is for execution of Farakka Barrage Project.

It was commissioned for preservation and maintenance of Kolkata Port by improving the region and navigability of the Bhagirathi Hoogly river system. Its main functions are operation and maintenance of Farakka Barrage, Jangipur Barrage, Feedar Canal, Navigation Locks, Facilitation and implementation of agreement on sharing of Ganga Water between India and Bangladesh etc.

- 16. Dam Rehabilitation and Improvement Programme: Provision is for Dam Rehabilitation and Improvement Programme and Damodar Valley Corporation to undertake projects for Dam Safety and its rehabilitations. As a part of continuous strengthening of dam safety activities in India, this scheme has been taken up with World Bank Assistance.
- 17.01. **National Ganga Plan:** Provision is for implementing schemes/projects for the river Ganga and its tributaries. It includes scheme for rehabilitation and up-gradation of existing Sewerage Treatment Plants (STPs) besides commissioning of New STPs.
- 17.02. **Ghat Works for Beautification of River Front:** Provision is for beautification of River Front of River Ganga.
- 18. **River Basin Management:** Provision is for (i) Brahmaputra Board for its regular establishment and carrying out its regular activities/works like survey, investigation & preparation/ updating of Master Plans of NE States, Drainage Development Schemes, Anti-erosion & Flood Management Works etc.; (ii) Investigation of Water Resources Development Scheme which has components for survey, investigation & preparation of DPRs by CWC and grants to NWDA for its regular establishment and preparation of Feasibility Reports (FRs) and DPRs for Interlinking of Rivers, and (iii) establishment expenditure of River Basin Authorities
- 20. **Development of Water Resources Information System:** Provision is for implementation of projects relating to standardized national information system with a network of data banks and data bases, integrating and strengthening the existing Central and State Level agencies and improving the quality of data and the processing capabilities.
- 21. **Ground Water Management and Regulation:** Provision is for execution of project relating to Ground Water Management and Regulation for better ground water governance.
- 22. **National Hydrology Project:** Provision is for Implementation of National Hydrology Project, Revisiting of the methodology and model (developed by National Remote Sensing Centre and its consolidation, if required, training of the state engineers on the methodology for assessment, development of water assessment model at sub-basin level by state engineers (micro-models) in line with the macro-model of the basin, River Basin Planning, Extended Hydrological Prediction (EHP), Flood forecasting (early warning system for flash flood, flood and inundation), Sediment Modelling study, National Water Informatics Centre (NWIC) etc. This scheme has been taken up with World Bank Assistance
- 23. Research and Development and Implementation of National Water Mission: Provision is for research and development to provide educational training and human resources development programs in the water sector, and implementing schemes / projects for conservation of water, minimising of wastage and ensuring its more equitable distribution both across and within States through integrated water resources development and Management development through National Water Mission.

- 24. HRD/Capacity Building Programme: Provision is made for (i) information, Education and Communication (IEC) activities for dissemination and promotion of water conservation (ii) National Water Academy for training of officers in surface water sector, (iii) Rajiv Gandhi National Ground Water Training Institute for training of officers in surface water sector, (iv) Capacity Building Programe for regular establishment and activities of North Eastern Regional Institute of Water and Land Management (NERIWALM), a capacity building institution in the field of water and land management for Irrigation and Agriculture development, and (v) Training of MoWR, RD & GR officials etc.
- 25. **Infrastructure Development:** Provision is for infrastructure development involving information technology infrastructure, construction/modernization of offices of Ministry and its organization.
- 26. Har Khet Ko Pani: Provision is to implement projects under the schemes of (i) Repair, Renovation and Restoration of Water Bodies, (ii) Surface Minor Irrigation Schemes, and (iii) Ground Water Irrigation; under Har Khet Ko Pani component of approved scheme of PMKSY. While the Accelerated Irrigation Benefit Programme (AIBP)- covering Major and Medium Irrigation projects and Command Area Development and Water Management Programme (CADWM) in relation to identified 99 priority projects are being funded through EBR route from LTIF, the above components have continued under Budget route.
- 27. Impact Assessment Studies: Provision is for Impact Assessment Studies of the major and medium irrigation projects executed under Accelerated Irrigation Benefits Program (AIBP) in water sector.
- 29. Flood Management and Border Areas Programme(FMBAP): Provision is for control and mitigation of floods, hydrological observations and investigations of water resource projects with neighbouring countries, river management works on common/border rivers, flood control and anti erosion works, anti-sea erosion works, and maintenance of flood protection works of Kosi and Gandak Projects (in Nepal) etc.
- 30. **Irrigation Census:** Provision is for implementation of the projects under Irrigation Census schemes to take up Rationalization of Minor Irrigation Census etc.
- 31. **Atal Bhujal Yojna:** Token provision towards proposed new scheme Atal Bhujal Yojana (ABHY) to implement project for improving and incentivising ground water management.
- 32.01. Payment of interest for NABARD loan to NWDA under PMKSY: Provision is for payment of interest for NABARD loan to NWDA under PMKSY.
- 32.02. **Repayment of principal for NABARD loan to NWDA under PMKSY:** Provision is for repayment of principal for NABARD loan to NWDA under PMKSY.
- 32.03. **Interest subvention for NABARD to States under PMKSY:** Provision is for Interest subvention for NABARD to States under PMKSY.
- 33. Special Package for Irrigation Projects to address agrarian distress in districts of Vidarbha and Marathawada and other chronically drought prone areas of rest of Maharashtra: The provision is for implementation of irrigation projects to address agrarian distress in districts of Vidarbha and Marathwada and other chronically drought prone areas of Maharashtra.
- 34. **National River Conservation Plan -Other Basins:** The main objective of National River Conservation Plan (NRCP) is to improve the water quality of polluted stretches of rivers by reduction in pollution load reaching the rivers by undertaking various pollution abatement works. The scheme has been

shifted from M/o Environment, Forests & Climate Change in Budget 2019-20 (Regular). Provision up FY 2018-19 is available in the budget of MoEF&CC.