

MINISTRY OF JAL SHAKTI**DEMAND NO. 60****Department of Water Resources, River Development and Ganga Rejuvenation***(In ₹ crores)*

	Actual 2017-2018			Budget 2018-2019			Revised 2018-2019			Budget 2019-2020			
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	
Gross	5700.24	354.63	6054.87	8189.51	730.88	8920.39	7306.62	366.29	7672.91	7890.15	414.47	8304.62	
Recoveries	-714.26	-27.14	-741.40	-37.37	-23.02	-60.39	-37.37	-23.02	-60.39	-36.37	-23.00	-59.37	
Receipts	...	...	...	...	...	...	...	...	...	...	...	...
Net	4985.98	327.49	5313.47	8152.14	707.86	8860.00	7269.25	343.27	7612.52	7853.78	391.47	8245.25	
A. The Budget allocations, net of recoveries, are given below:													
CENTRE'S EXPENDITURE													
Establishment Expenditure of the Centre													
1. <i>Secretariat</i>													
1.01	Secretariat	76.34	...	76.34	95.00	...	95.00	84.95	...	84.95	98.83	...	98.83
Attached, Subordinate and Other Offices													
2. <i>Central Water Commission</i>													
2.01	Central Water Commission	331.49	0.80	332.29	450.87	2.62	453.49	392.75	0.77	393.52	434.75	0.80	435.55
2.02	Recoveries	-10.00	...	-10.00	-10.00	...	-10.00	-9.00	...	-9.00
	<i>Net</i>	331.49	0.80	332.29	440.87	2.62	443.49	382.75	0.77	383.52	425.75	0.80	426.55
3. <i>Central Water and Power Research Station</i>													
3.01	Central Water and Power Research Station	71.41	0.20	71.61	93.80	0.30	94.10	76.92	0.11	77.03	86.12	0.11	86.23
3.02	Recoveries	-13.00	...	-13.00	-13.10	...	-13.10	-13.10	...	-13.10	-13.10	...	-13.10
	<i>Net</i>	58.41	0.20	58.61	80.70	0.30	81.00	63.82	0.11	63.93	73.02	0.11	73.13
4. Central Soil and Material Research Station													
5. Sardar Sarovar Construction Advisory Committee													
6. Bansagar Control Board													
7. <i>Upper Yamuna River Board</i>													
7.01	Upper Yamuna River Board	7.76	2.00	9.76	2.48	8.02	10.50	1.29	8.02	9.31	2.32	8.00	10.32
7.02	Recoveries	-1.03	...	-1.03	-0.02	-8.02	-8.04	-0.02	-8.02	-8.04	-0.02	-8.00	-8.02
	<i>Net</i>	6.73	2.00	8.73	2.46	...	2.46	1.27	...	1.27	2.30	...	2.30
8. Central Ground Water Board													
9. National Institute of Hydrology													
10. National Water Informatics Centre													

(In ₹ crores)

	Actual 2017-2018			Budget 2018-2019			Revised 2018-2019			Budget 2019-2020		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
11. Cauvery Water Management Authority	...	...	...	...	...	...	2.00	...	2.00	...	...	...
12. National River Conservation Directorate	...	...	...	...	...	...	...	...	...	8.00	...	8.00
Total-Attached, Subordinate and Other Offices	649.13	3.16	652.29	811.05	4.09	815.14	717.55	1.11	718.66	784.37	1.10	785.47
Total-Establishment Expenditure of the Centre	725.47	3.16	728.63	906.05	4.09	910.14	802.50	1.11	803.61	883.20	1.10	884.30
Central Sector Schemes/Projects												
13. National River Conservation Plan												
13.01 EAP Component	627.00	...	627.00	600.00	...	600.00	1600.00	...	1600.00	1200.00	...	1200.00
13.02 Programme Component	96.22	...	96.22	170.00	...	170.00	20.00	...	20.00	20.00	...	20.00
Total- National River Conservation Plan	723.22	...	723.22	770.00	...	770.00	1620.00	...	1620.00	1220.00	...	1220.00
Major Irrigation Projects												
14. Farakka Barrage Project												
14.01 Farakka Barrage Project	66.22	66.26	132.48	126.06	83.19	209.25	73.29	50.18	123.47	59.25	75.00	134.25
14.02 Recoveries	...	-15.35	-15.35	-14.25	...	-14.25	-14.25	...	-14.25	-14.25	...	-14.25
Net	66.22	50.91	117.13	111.81	83.19	195.00	59.04	50.18	109.22	45.00	75.00	120.00
15. Emergent Flood Protection Works in Eastern and Western Sectors	...	...	...	...	0.01	0.01	...	0.01	0.01	...	0.01	0.01
16. Dam Rehabilitation and Improvement Programme												
16.01 EAP Component	40.33	30.82	71.15	42.32	71.08	113.40	31.12	36.08	67.20	17.70	42.49	60.19
16.02 Programme Component	9.94	0.01	9.95	10.58	0.02	10.60	7.78	0.02	7.80	20.32	8.86	29.18
Total- Dam Rehabilitation and Improvement Programme	50.27	30.83	81.10	52.90	71.10	124.00	38.90	36.10	75.00	38.02	51.35	89.37
Total-Major Irrigation Projects	116.49	81.74	198.23	164.71	154.30	319.01	97.94	86.29	184.23	83.02	126.36	209.38
Namami Gange												
17. National Ganga Plan and Ghat Works												
17.01 National Ganga Plan	700.00	...	700.00	2250.00	...	2250.00	700.00	...	700.00	700.00	...	700.00
17.02 Ghat Works for Beautification of River Front	...	...	...	50.00	...	50.00	50.00	...	50.00	50.00	...	50.00
17.03 Transfer to National Clean Energy Fund (NCEF)	700.00	...	700.00	...	...	...	...	...	...	...	...	...
17.04 Less-Amount met from National Clean Energy Fund (NCEF)	-700.00	...	-700.00	...	...	...	...	...	...	...	...	...
Net	700.00	...	700.00	2300.00	...	2300.00	750.00	...	750.00	750.00	...	750.00
River Basin Management												
18. National Water Mission	1.14	0.03	1.17	...	...	...	...	...	...	...	...	...
19. River Basin Management	186.11	0.10	186.21	223.45	1.55	225.00	199.65	0.35	200.00	199.17	0.83	200.00
20. Flood Forecasting	34.25	4.95	39.20	...	...	...	...	...	...	...	...	...
21. Interlinking of Rivers	...	...	...	1.00	...	1.00	0.01	...	0.01	0.01	...	0.01
Total-River Basin Management	221.50	5.08	226.58	224.45	1.55	226.00	199.66	0.35	200.01	199.18	0.83	200.01
Water Resources Management												

(In ₹ crores)

	Actual 2017-2018			Budget 2018-2019			Revised 2018-2019			Budget 2019-2020		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
22. Development of Water Resources Information System	54.77	7.16	61.93	155.66	55.61	211.27	82.38	14.55	96.93	79.05	20.95	100.00
23. <i>Ground Water Management and Regulation</i>												
23.01 Ground Water Management and Regulation	71.48	194.98	266.46	84.29	380.71	465.00	80.00	195.00	275.00	80.00	195.00	275.00
23.02 Recoveries	-0.23	-11.79	-12.02	...	-15.00	-15.00	...	-15.00	-15.00	...	-15.00	-15.00
<i>Net</i>	71.25	183.19	254.44	84.29	365.71	450.00	80.00	180.00	260.00	80.00	180.00	260.00
24. <i>National Hydrology Project</i>												
24.01 EAP Component	87.99	0.15	88.14	103.48	11.52	115.00	36.41	1.41	37.82	72.47	2.53	75.00
24.02 Programme Component	89.54	0.21	89.75	123.48	11.52	135.00	40.77	1.41	42.18	72.47	2.53	75.00
<i>Total- National Hydrology Project</i>	177.53	0.36	177.89	226.96	23.04	250.00	77.18	2.82	80.00	144.94	5.06	150.00
25. Research and Development and Implementation of National Water Mission	44.13	4.95	49.08	82.00	13.00	95.00	45.60	6.40	52.00	43.48	6.52	50.00
26. HRD/Capacity Building Programme	26.71	0.59	27.30	58.70	4.07	62.77	57.74	2.26	60.00	58.55	1.45	60.00
27. Infrastructure Development	3.08	40.55	43.63	2.90	84.86	87.76	2.14	47.86	50.00	2.30	47.70	50.00
Total-Water Resources Management	377.47	236.80	614.27	610.51	546.29	1156.80	345.04	253.89	598.93	408.32	261.68	670.00
Total-Central Sector Schemes/Projects	2138.68	323.62	2462.30	4069.67	702.14	4771.81	3012.64	340.53	3353.17	2660.52	388.87	3049.39
TRANSFERS TO STATES/UTs												
Centrally Sponsored Schemes												
Pradhan Mantri Krishi Sinchai Yojna												
28. Har Khet Ko Pani	1355.22	...	1355.22	2600.00	...	2600.00	2181.19	...	2181.19	1069.55	...	1069.55
29. Impact Assessment Studies	0.14	...	0.14	1.00	...	1.00	1.00	...	1.00	1.00	...	1.00
30. Assistance for Sutlej Yamuna Link Canal Project	...	...	...	0.01	...	0.01	0.01	...	0.01	0.01	...	0.01
31. Flood Management Programme	562.67	...	562.67	...	...	...	...	...	...	...	...	...
32. River Management Activities and Works Related to Border Areas	186.35	0.71	187.06	...	...	...	...	...	...	...	...	...
33. Flood Management and Border Areas Programme(FMBAP)	...	...	...	525.37	1.63	527.00	717.37	1.63	719.00	698.50	1.50	700.00
34. Irrigation Census	17.45	...	17.45	50.00	...	50.00	54.50	...	54.50	50.00	...	50.00
35. <i>Atal Bhujal Yojna</i>												
35.01 EAP Component	...	...	...	0.02	...	0.02	0.02	...	0.02	0.50	...	0.50
35.02 Programme Component	...	...	...	0.02	...	0.02	0.02	...	0.02	0.50	...	0.50
<i>Total- Atal Bhujal Yojna</i>	...	...	...	0.04	...	0.04	0.04	...	0.04	1.00	...	1.00
36. <i>Servicing of loans from NABARD under PMKSY</i>												
36.01 Payment of interest for NABARD loan to NWDA under PMKSY	...	...	...	...	...	...	...	...	...	1602.00	...	1602.00
36.02 Repayment of principal for NABARD loan to NWDA under PMKSY	...	...	...	...	...	...	...	...	...	32.00	...	32.00
36.03 Interest subvention for NABARD to States under PMKSY	...	...	...	...	...	...	...	...	...	360.00	...	360.00

(In ₹ crores)

	Actual 2017-2018			Budget 2018-2019			Revised 2018-2019			Budget 2019-2020		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
<i>Total- Servicing of loans from NABARD under PMKSY</i>	...	...	...	...	...	...	...	...	...	1994.00	...	1994.00
37. 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	...	...	...	...	...	...	500.00	...	500.00	300.00	...	300.00
Total-Pradhan Mantri Krishi Sinchai Yojna	2121.83	0.71	2122.54	3176.42	1.63	3178.05	3454.11	1.63	3455.74	4114.06	1.50	4115.56
38. National River Conservation Plan -Other Basins												
38.01 EAP Component	...	...	...	...	...	...	...	...	...	50.00	...	50.00
38.02 Programme Component	...	...	...	...	...	...	...	...	...	146.00	...	146.00
<i>Total- National River Conservation Plan -Other Basins</i>	...	...	...	...	...	...	...	...	...	196.00	...	196.00
Total-Centrally Sponsored Schemes	2121.83	0.71	2122.54	3176.42	1.63	3178.05	3454.11	1.63	3455.74	4310.06	1.50	4311.56
Grand Total	4985.98	327.49	5313.47	8152.14	707.86	8860.00	7269.25	343.27	7612.52	7853.78	391.47	8245.25
B. Developmental Heads												
Economic Services												
1. Major and Medium Irrigation	1382.36	...	1382.36	3353.53	...	3353.53	2156.51	...	2156.51	2852.15	...	2852.15
2. Minor Irrigation	287.33	...	287.33	330.79	...	330.79	315.08	...	315.08	314.81	...	314.81
3. Flood Control and Drainage	266.14	...	266.14	196.86	...	196.86	137.31	...	137.31	156.19	...	156.19
4. New and Renewable Energy	700.00	...	700.00	...	...	...	...	...	...	...	...	...
5. Other Transport Services	66.22	...	66.22	111.81	...	111.81	59.04	...	59.04	45.00	...	45.00
6. Ecology and Environment	723.22	...	723.22	3070.00	...	3070.00	2370.00	...	2370.00	1985.60	...	1985.60
7. Secretariat-Economic Services	76.34	...	76.34	95.00	...	95.00	84.95	...	84.95	98.83	...	98.83
8. Capital Outlay on Major and Medium Irrigation	...	47.70	47.70	...	165.64	165.64	...	57.74	57.74	...	85.72	85.72
9. Capital Outlay on Minor Irrigation	...	200.15	200.15	...	407.93	407.93	...	205.55	205.55	...	200.15	200.15
10. Capital Outlay on Flood Control Projects	...	28.73	28.73	...	44.86	44.86	...	23.96	23.96	...	28.40	28.40
11. Capital Outlay on Other Transport Services	...	50.91	50.91	...	83.19	83.19	...	50.18	50.18	...	75.00	75.00
Total-Economic Services	3501.61	327.49	3829.10	7157.99	701.62	7859.61	5122.89	337.43	5460.32	5452.58	389.27	5841.85
Others												
12. North Eastern Areas	...	...	...	334.70	...	334.70	312.99	...	312.99	438.46	...	438.46
13. Grants-in-aid to State Governments	1484.27	...	1484.27	639.25	...	639.25	1813.32	...	1813.32	1942.54	...	1942.54
14. Grants-in-aid to Union Territory Governments	0.10	...	0.10	20.20	...	20.20	20.05	...	20.05	20.20	...	20.20
15. Capital Outlay on North Eastern Areas	...	...	...	...	6.23	6.23	...	5.83	5.83	...	2.19	2.19
16. Loans and Advances to State Governments	...	...	...	...	0.01	0.01	...	0.01	0.01	...	0.01	0.01

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 upto 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 World 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 Ghat Works for Beautification of River Front of River Ganga.

19. **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

21. **Interlinking of Rivers:** Provision is for detailed project report of Interlinking of Rivers of the country.

22. **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.

23. **Ground Water Management and Regulation:** Provision is for execution of project relating to Ground Water Management and Regulation for better ground water governance.

24. **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

25. **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.

26. **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 Programme 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.

27. **Infrastructure Development:** Provision is for infrastructure development involving information technology infrastructure, construction/modernization of offices of Ministry and its organization.

28. **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.

29. **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.

33. **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.

34. **Irrigation Census:** Provision is for implementation of the projects under Irrigation Census schemes to take up Rationalization of Minor Irrigation Census etc.

35. **Atal Bhujal Yojna:** Token provision towards proposed new scheme Atal Bhujal Yojana (ABHY) to implement project for improving and incentivising ground water management.

36.01. **Payment of interest for NABARD loan to NWDA under PMKSY:** Provision is for payment of interest for NABARD loan to NWDA under PMKSY.

36.02. **Repayment of principal for NABARD loan to NWDA under PMKSY:** Provision is for repayment of principal for NABARD loan to NWDA under PMKSY.

36.03. **Interest subvention for NABARD to States under PMKSY:** Provision is for Interest subvention for NABARD to States under PMKSY.

37. **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.

38. **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 upto FY 2018-19 is available in the budget of MoEF&CC.