

**MINISTRY OF WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION**

DEMAND NO. 98

**Ministry of Water Resources, River Development and Ganga Rejuvenation***(In ₹ crores)*

	Actual 2015-2016			Budget 2016-2017			Revised 2016-2017			Budget 2017-2018			
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	
Gross	7750.93	156.74	7907.67	8357.60	406.71	8764.31	6326.80	156.79	6483.59	8406.99	803.29	9210.28	
Recoveries	-1028.20	-17.42	-1045.62	-2545.00	-18.10	-2563.10	-1711.75	-16.34	-1728.09	-2304.48	-18.80	-2323.28	
Receipts	...	...	...	...	...	...	...	...	...	...	...	...	
<b>Net</b>	<b>6722.73</b>	<b>139.32</b>	<b>6862.05</b>	<b>5812.60</b>	<b>388.61</b>	<b>6201.21</b>	<b>4615.05</b>	<b>140.45</b>	<b>4755.50</b>	<b>6102.51</b>	<b>784.49</b>	<b>6887.00</b>	
A. The Budget allocations, net of recoveries, are given below:													
<b>CENTRE'S EXPENDITURE</b>													
<b>Establishment Expenditure of the Centre</b>													
1. Secretariat													
1.01	Secretariat	54.75	...	54.75	61.70	...	61.70	61.70	...	61.70	73.00	...	73.00
1.02	Deduct Recoveries of Over Payment	-0.01	...	-0.01	...	...	...	...	...	...	...	...	...
	<i>Net</i>	<i>54.74</i>	...	<i>54.74</i>	<i>61.70</i>	...	<i>61.70</i>	<i>61.70</i>	...	<i>61.70</i>	<i>73.00</i>	...	<i>73.00</i>
<b>Attached, Subordinate and Other Offices</b>													
2. Central Water Commission													
2.01	Central Water Commission	260.31	1.25	261.56	319.05	3.50	322.55	321.09	0.56	321.65	441.97	2.03	444.00
2.02	Deduct Recoveries	...	...	...	-9.65	...	-9.65	-9.65	...	-9.65	-10.00	...	-10.00
	<i>Net</i>	<i>260.31</i>	<i>1.25</i>	<i>261.56</i>	<i>309.40</i>	<i>3.50</i>	<i>312.90</i>	<i>311.44</i>	<i>0.56</i>	<i>312.00</i>	<i>431.97</i>	<i>2.03</i>	<i>434.00</i>
3. Central Water and Power Research Station													
3.01	Central Water and Power Research Station	57.31	...	57.31	61.14	0.20	61.34	64.00	0.10	64.10	73.60	0.50	74.10
3.02	Deduct Recoveries	-11.77	...	-11.77	-9.10	...	-9.10	-12.10	...	-12.10	-9.10	...	-9.10
	<i>Net</i>	<i>45.54</i>	...	<i>45.54</i>	<i>52.04</i>	<i>0.20</i>	<i>52.24</i>	<i>51.90</i>	<i>0.10</i>	<i>52.00</i>	<i>64.50</i>	<i>0.50</i>	<i>65.00</i>
4. Central Soil and Material Research Station													
5. Sardar Sarovar Construction Advisory Committee													
6. Bansagar Control Board													
7. Upper Yamuna River Board													
7.01	Upper Yamuna River Board	2.84	...	2.84	3.65	1.00	4.65	5.40	1.00	6.40	23.00	3.80	26.80
7.02	Deduct Recoveries	-0.51	...	-0.51	-1.25	-1.00	-2.25	-3.00	-1.00	-4.00	-20.00	-3.80	-23.80
	<i>Net</i>	<i>2.33</i>	...	<i>2.33</i>	<i>2.40</i>	...	<i>2.40</i>	<i>2.40</i>	...	<i>2.40</i>	<i>3.00</i>	...	<i>3.00</i>
8. Central Ground Water Board													
147.13													

(In ₹ crores)

	Actual 2015-2016			Budget 2016-2017			Revised 2016-2017			Budget 2017-2018		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
9. National Institute of Hydrology	15.43	...	15.43	19.00	...	19.00	19.00	...	19.00	23.75	...	23.75
<b>Total-Attached, Subordinate and Other Offices</b>	<b>483.44</b>	<b>1.29</b>	<b>484.73</b>	<b>567.91</b>	<b>4.20</b>	<b>572.11</b>	<b>570.26</b>	<b>0.91</b>	<b>571.17</b>	<b>779.87</b>	<b>3.13</b>	<b>783.00</b>
<b>Total-Establishment Expenditure of the Centre</b>	<b>538.18</b>	<b>1.29</b>	<b>539.47</b>	<b>629.61</b>	<b>4.20</b>	<b>633.81</b>	<b>631.96</b>	<b>0.91</b>	<b>632.87</b>	<b>852.87</b>	<b>3.13</b>	<b>856.00</b>
<b>Central Sector Schemes/Projects</b>												
10. National River Conservation Programme												
10.01 EAP Component	408.00	...	408.00	130.00	...	130.00	87.10	...	87.10	130.00	...	130.00
10.02 Programme Component	124.00	...	124.00	120.00	...	120.00	80.40	...	80.40	120.00	...	120.00
10.03 Less Amount met from National Clean Energy Fund (NCEF)	...	...	...	-250.00	...	-250.00	-167.50	...	-167.50	...	...	...
<i>Net</i>	<i>532.00</i>	<i>...</i>	<i>532.00</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>250.00</i>	<i>...</i>	<i>250.00</i>
<b>Major Irrigation Projects</b>												
11. Polavaram Multipurpose Project	400.00	...	400.00	100.00	...	100.00	100.00	...	100.00	...	...	...
12. Farakka Barrage Project												
12.01 Farakka Barrage Project	64.63	66.95	131.58	80.65	80.75	161.40	80.38	63.09	143.47	122.13	48.25	170.38
12.02 Deduct Recoveries	...	-17.42	-17.42	...	-18.00	-18.00	...	-15.34	-15.34	-15.38	...	-15.38
<i>Net</i>	<i>64.63</i>	<i>49.53</i>	<i>114.16</i>	<i>80.65</i>	<i>62.75</i>	<i>143.40</i>	<i>80.38</i>	<i>47.75</i>	<i>128.13</i>	<i>106.75</i>	<i>48.25</i>	<i>155.00</i>
13. Emergent Flood Protection Works in Eastern and Western Sectors	...	...	...	...	3.00	3.00	...	3.00	3.00	...	3.00	3.00
14. Water Projects for National Capital Territory	...	...	...	0.01	0.01	0.02	...	...	...	...	...	...
15. Dam Rehabilitation and Improvement Programme												
15.01 EAP Component	11.53	0.08	11.61	18.80	0.40	19.20	28.40	9.40	37.80	42.32	107.08	149.40
15.02 Programme Component	2.71	...	2.71	4.68	0.10	4.78	7.10	0.10	7.20	10.58	0.02	10.60
<i>Total- Dam Rehabilitation and Improvement Programme</i>	<i>14.24</i>	<i>0.08</i>	<i>14.32</i>	<i>23.48</i>	<i>0.50</i>	<i>23.98</i>	<i>35.50</i>	<i>9.50</i>	<i>45.00</i>	<i>52.90</i>	<i>107.10</i>	<i>160.00</i>
<b>Total-Major Irrigation Projects</b>	<b>478.87</b>	<b>49.61</b>	<b>528.48</b>	<b>204.14</b>	<b>66.26</b>	<b>270.40</b>	<b>215.88</b>	<b>60.25</b>	<b>276.13</b>	<b>159.65</b>	<b>158.35</b>	<b>318.00</b>
<b>Namami Gange- National Ganga Plan</b>												
16. Schemes Financed from NCEF												
16.01 National Ganga Plan	1000.00	...	1000.00	2150.00	...	2150.00	1440.50	...	1440.50	2250.00	...	2250.00
16.02 Ghat Works for Beautification of River Front	100.00	...	100.00	100.00	...	100.00	67.00	...	67.00	50.00	...	50.00
16.03 Transfer to National Clean Energy Fund (NCEF)	...	...	...	2500.00	...	2500.00	1675.00	...	1675.00	2250.00	...	2250.00
16.04 Less-Amount met from National Clean Energy Fund (NCEF)	-1000.00	...	-1000.00	-2250.00	...	-2250.00	-1507.50	...	-1507.50	-2250.00	...	-2250.00
<i>Net</i>	<i>100.00</i>	<i>...</i>	<i>100.00</i>	<i>2500.00</i>	<i>...</i>	<i>2500.00</i>	<i>1675.00</i>	<i>...</i>	<i>1675.00</i>	<i>2300.00</i>	<i>...</i>	<i>2300.00</i>
<b>River Basin Management</b>												
17. National Water Mission	6.74	...	6.74	21.00	4.00	25.00	4.25	0.75	5.00	13.50	1.50	15.00
18. River Basin Management	158.84	0.18	159.02	172.59	1.01	173.60	174.91	0.09	175.00	199.08	0.91	199.99
19. Flood Forecasting	32.06	3.50	35.56	44.67	15.33	60.00	36.80	5.20	42.00	50.25	14.75	65.00
20. Interlinking of Rivers	...	...	...	1.00	...	1.00	0.01	...	0.01	1.00	...	1.00

(In ₹ crores)

	Actual 2015-2016			Budget 2016-2017			Revised 2016-2017			Budget 2017-2018		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
<b>Total-River Basin Management</b>	<b>197.64</b>	<b>3.68</b>	<b>201.32</b>	<b>239.26</b>	<b>20.34</b>	<b>259.60</b>	<b>215.97</b>	<b>6.04</b>	<b>222.01</b>	<b>263.83</b>	<b>17.16</b>	<b>280.99</b>
<b>Water Resources Management</b>												
21. Development of Water Resources Information System	52.29	3.91	56.20	66.50	18.37	84.87	57.02	12.98	70.00	116.52	28.48	145.00
22. <i>Ground Water Management and Regulation</i>												
22.01 Ground Water Management and Regulation	91.34	62.31	153.65	128.39	200.00	328.39	81.00	46.00	127.00	75.50	439.50	515.00
22.02 Deduct Recoveries	-15.08	...	-15.08	-25.00	...	-25.00	-12.00	...	-12.00	...	-15.00	-15.00
Net	76.26	62.31	138.57	103.39	200.00	303.39	69.00	46.00	115.00	75.50	424.50	500.00
23. <i>National Hydrology Project</i>												
23.01 EAP Component	...	...	...	52.75	24.75	77.50	25.00	...	25.00	92.00	51.00	143.00
23.02 Programme Component	0.70	...	0.70	62.75	24.75	87.50	29.93	...	29.93	104.58	52.42	157.00
<i>Total- National Hydrology Project</i>	<i>0.70</i>	<i>...</i>	<i>0.70</i>	<i>115.50</i>	<i>49.50</i>	<i>165.00</i>	<i>54.93</i>	<i>...</i>	<i>54.93</i>	<i>196.58</i>	<i>103.42</i>	<i>300.00</i>
24. Research and Development	31.17	10.55	41.72	45.00	10.00	55.00	31.00	4.00	35.00	34.50	5.50	40.00
25. Irrigation Management Programme	...	...	...	0.01	...	0.01	0.01	...	0.01	0.01	...	0.01
26. HRD/Capacity Building Programme	18.04	0.40	18.44	30.20	1.80	32.00	15.65	0.35	16.00	24.00	1.00	25.00
27. Infrastructure Development	0.50	6.95	7.45	3.40	16.60	20.00	1.62	8.38	10.00	3.60	41.40	45.00
<b>Total-Water Resources Management</b>	<b>178.96</b>	<b>84.12</b>	<b>263.08</b>	<b>364.00</b>	<b>296.27</b>	<b>660.27</b>	<b>229.23</b>	<b>71.71</b>	<b>300.94</b>	<b>450.71</b>	<b>604.30</b>	<b>1055.01</b>
<b>Total-Central Sector Schemes/Projects</b>	<b>1487.47</b>	<b>137.41</b>	<b>1624.88</b>	<b>3307.40</b>	<b>382.87</b>	<b>3690.27</b>	<b>2336.08</b>	<b>138.00</b>	<b>2474.08</b>	<b>3424.19</b>	<b>779.81</b>	<b>4204.00</b>
<b>TRANSFERS TO STATES/UTs</b>												
<b>Centrally Sponsored Schemes</b>												
<b>Pradhan Mantri Krishi Sinchai Yojana and Other Schemes</b>												
28. Accelerated Irrigation Benefit Program	2998.77	...	2998.77	1000.00	...	1000.00	999.87	...	999.87	...	...	...
29. Har Khet Ko Pani	1498.86	...	1498.86	500.00	...	500.00	420.89	...	420.89	1450.00	...	1450.00
30. Impact Assessment Studies	0.04	...	0.04	1.00	...	1.00	0.05	...	0.05	1.00	...	1.00
31. Assistance for Sutlej Yamuna Link Canal Project	...	...	...	1.00	...	1.00	1.00	...	1.00	1.00	...	1.00
32. Flood Management Programme	...	...	...	150.00	...	150.00	150.00	...	150.00	150.00	...	150.00
33. River Management Activities and Works Related to Border Areas	189.59	0.62	190.21	198.46	1.54	200.00	60.20	1.54	61.74	198.41	1.55	199.96
34. Irrigation Census	9.82	...	9.82	25.13	...	25.13	15.00	...	15.00	25.00	...	25.00

(In ₹ crores)

	Actual 2015-2016			Budget 2016-2017			Revised 2016-2017			Budget 2017-2018		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
35. National Ground Water Management Improvement Scheme												
35.01 EAP Component	...	...	...	...	...	...	...	...	...	0.02	...	0.02
35.02 Programme Component	...	...	...	...	...	...	...	...	...	0.02	...	0.02
Total- National Ground Water Management Improvement Scheme	...	...	...	...	...	...	...	...	...	0.04	...	0.04
<b>Total-Pradhan Mantri Krishi Sinchai Yojana and Other Schemes</b>	<b>4697.08</b>	<b>0.62</b>	<b>4697.70</b>	<b>1875.59</b>	<b>1.54</b>	<b>1877.13</b>	<b>1647.01</b>	<b>1.54</b>	<b>1648.55</b>	<b>1825.45</b>	<b>1.55</b>	<b>1827.00</b>
<b>Total-Centrally Sponsored Schemes</b>	<b>4697.08</b>	<b>0.62</b>	<b>4697.70</b>	<b>1875.59</b>	<b>1.54</b>	<b>1877.13</b>	<b>1647.01</b>	<b>1.54</b>	<b>1648.55</b>	<b>1825.45</b>	<b>1.55</b>	<b>1827.00</b>
<b>Grand Total</b>	<b>6722.73</b>	<b>139.32</b>	<b>6862.05</b>	<b>5812.60</b>	<b>388.61</b>	<b>6201.21</b>	<b>4615.05</b>	<b>140.45</b>	<b>4755.50</b>	<b>6102.51</b>	<b>784.49</b>	<b>6887.00</b>
<b>B. Developmental Heads</b>												
<b>Economic Services</b>												
1. Major Irrigation	400.00	...	400.00	100.00	...	100.00	100.00	...	100.00	...	...	...
2. Major and Medium Irrigation	448.83	...	448.83	680.03	...	680.03	591.89	...	591.89	1918.60	...	1918.60
3. Minor Irrigation	229.23	...	229.23	282.55	...	282.55	245.52	...	245.52	317.42	...	317.42
4. Flood Control and Drainage	252.71	...	252.71	211.22	...	211.22	165.11	...	165.11	266.17	...	266.17
5. New and Renewable Energy	...	...	...	2500.00	...	2500.00	1675.00	...	1675.00	2250.00	...	2250.00
6. Other Transport Services	64.63	...	64.63	80.65	...	80.65	80.38	...	80.38	106.75	...	106.75
7. Ecology and Environment	632.00	...	632.00	0.01	...	0.01	...	...	...	297.00	...	297.00
8. Secretariat-Economic Services	54.74	...	54.74	61.70	...	61.70	61.70	...	61.70	73.00	...	73.00
9. Capital Outlay on Major and Medium Irrigation	...	16.56	16.56	...	87.82	87.82	...	28.84	28.84	...	250.84	250.84
10. Capital Outlay on Minor Irrigation	...	62.91	62.91	...	207.65	207.65	...	51.78	51.78	...	445.10	445.10
11. Capital Outlay on Flood Control Projects	...	10.32	10.32	...	27.05	27.05	...	8.78	8.78	...	34.00	34.00
12. Capital Outlay on Other Transport Services	...	49.53	49.53	...	62.75	62.75	...	47.75	47.75	...	48.25	48.25
13. Capital Outlay on Other Scientific and Environmental Research	...	...	...	...	0.01	0.01	...	...	...	...	...	...
<b>Total-Economic Services</b>	<b>2082.14</b>	<b>139.32</b>	<b>2221.46</b>	<b>3916.16</b>	<b>385.28</b>	<b>4301.44</b>	<b>2919.60</b>	<b>137.15</b>	<b>3056.75</b>	<b>5228.94</b>	<b>778.19</b>	<b>6007.13</b>
<b>Others</b>												
14. North Eastern Areas	...	...	...	261.03	...	261.03	241.58	...	241.58	147.25	...	147.25
15. Grants-in-aid to State Governments	4640.55	...	4640.55	1626.27	...	1626.27	1452.74	...	1452.74	704.82	...	704.82
16. Grants-in-aid to Union Territory Governments	0.04	...	0.04	9.14	...	9.14	1.13	...	1.13	21.50	...	21.50
17. Capital Outlay on North Eastern Areas	...	...	...	...	0.33	0.33	...	0.30	0.30	...	3.30	3.30
18. Loans and Advances to State Governments	...	...	...	...	3.00	3.00	...	3.00	3.00	...	3.00	3.00
<b>Total-Others</b>	<b>4640.59</b>	<b>...</b>	<b>4640.59</b>	<b>1896.44</b>	<b>3.33</b>	<b>1899.77</b>	<b>1695.45</b>	<b>3.30</b>	<b>1698.75</b>	<b>873.57</b>	<b>6.30</b>	<b>879.87</b>
<b>Grand Total</b>	<b>6722.73</b>	<b>139.32</b>	<b>6862.05</b>	<b>5812.60</b>	<b>388.61</b>	<b>6201.21</b>	<b>4615.05</b>	<b>140.45</b>	<b>4755.50</b>	<b>6102.51</b>	<b>784.49</b>	<b>6887.00</b>

	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total
<b>C. Investment in Public Enterprises</b>												
1. NABARD	...	...	...	...	...	...	...	8181.50	8181.50	...	9020.00	9020.00
<b>Total</b>	...	...	...	...	...	...	...	<b>8181.50</b>	<b>8181.50</b>	...	<b>9020.00</b>	<b>9020.00</b>

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 (NWD) 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 River Conservation Programme:** 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.

11. **Polavaram Multipurpose Project:** Provision is to be met by loans taken from NABARD for execution of Polavaram Projects. The project is multipurpose major terminal reservoir project on river Godavari for development of Irrigation, Hydropower and drinking water facilities to East Godavari, Vishakhapatnam, West Godavari and Krishna districts of Andhra Pradesh.

12.01. **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, Feeder Canal, Navigation Locks, Facilitation and implementation of agreement on sharing of Ganga Water between India and Bangladesh etc.

13. **Emergent Flood Protection Works in Eastern and Western Sectors:** Provision is for Flood protection works in Eastern and Western Sections. It is implemented to address the River System and Associated Flood Problems.

14. **Water Projects for National Capital Territory:** The token provision was kept in anticipation of the requirements relating to water projects of the NCT of Delhi.

15. **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.

16.01. **National Ganga Plan:** Provision is for National Ganga Plan to be met from National Clean Energy Fund to implement 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.

16.02. **Ghat Works for Beautification of River Front:** Provision is for Ghat Works for Beautification of River Front of River Ganga.

16.03. **Transfer to National Clean Energy Fund (NCEF):** Provision is for transfer of fund raised to NCEF to implement National Ganga Plan.

17. **National Water Mission:** Provision is for National Water Mission for implementing schemes/projects for conservation of water, minimizing of wastage and ensuring its more equitable distribution both across and within States through integrated water resources development and management.

18. **River Basin Management:** Provision is for (i) Investigation of Water Resources Development, (ii) River Basin Organization, (iii) Brahmaputra Board, (iv) Re-structuring of CWC, etc.

19. **Flood Forecasting:** Provision is for Flood Forecasting to provide advance warning to the flood prone areas of the country. The Scheme is to strengthen flood forecasting and inflow forecasting network in India and develop forecast information system.

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

21. **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.

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

23. **National Hydrology Project:** Provision is for Implementation of National Hydrology Project, Revisiting of the methodology and model (developed by NRSC) 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.

24. **Research and Development:** Provision is for Research and Development to promote educational, training and human resources development programmes in the water sector.

25. **Irrigation Management Programme:** Provision is for implementation of schemes/projects in the field of efficient Irrigation Management.

26. **HRD/Capacity Building Programme:** Provision is made for (i) Information, Education and Communication (IEC), (ii) National Water Academy, (iii) Rajiv Gandhi National Ground Water Training Institute, (iv) Capacity Building Program and (v) Training of MoWR, RD&GR Officials etc.

27. **Infrastructure Development:** Provision is for Infrastructure Development, Modernization of offices and Information Technology Infrastructure etc.

28. **Accelerated Irrigation Benefit Program:** Accelerated Irrigation Benefit Programme is to focus on faster completion of ongoing Major and Medium Irrigation including National Projects. Provision is to be met by loans taken from NABARD.

29. **Har Khet Ko Pani:** Provision is to implement the projects under Command Area Development & Water Management and Repair, Renovation and Restoration of water bodies under PMKSY. Out of total provision of ₹1450.00 Cr. for 2017-18, ₹1000.00 Cr. is for payment of interest towards NABARD loan.

30. **Impact Assessment Studies:** Provision is for Impact Assessment Studies of the schemes being executed in water sector.

31. **Assistance for Sutlej Yamuna Link Canal Project:** Provision is for assistance of scheme of Sutlej Yamuna Link Canal.

32. **Flood Management Programme:** Provision is for implementation of the projects under Flood Management Programme. The main purpose of the programme is to control and mitigate the adverse effect of Floods in river basins.

33. **River Management Activities and Works Related to Border Areas:** Provision is to take up River Management Activities and Works related to Border Areas including neighbouring countries. The main objectives of the scheme is hydrological observations and investigations of water resource projects with neighbouring countries besides river management works on common/border rivers, flood control, anti-erosion, and anti-sea erosion works, maintenance of flood protections 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. **National Ground Water Management Improvement Scheme:** Token provision is towards purposed new scheme National Groundwater Management Improvement Scheme (NGMIS) to implement project for improvement of National Ground Water Management.