

## **CHAPTER - 19**

### **WATER SUPPLY & SANITATION**

19.1 The State is poorly placed in terms of availability of water resources. It has only 1.16 percent of the surface water and 1.70 percent of the ground water resources of the country. Average rainfall in the State is 531 mm against national average of 1200 mm. This too is erratic in occurrence, resulting in frequent drought conditions. In absence of adequate surface water sources, there is over reliance on ground water. Gross annual draft of ground water in the state is 13 BCM against recharge of only 10.4 BCM.

19.2 Due to these adverse conditions, Rajasthan is severely affected with drinking water supply problems. In south-eastern hilly region, ground water is available only in selected valley part and water table fluctuates rapidly due to rocky geographical formation of the area. In years of continuous drought reservoirs of the area dry up and create severe critical water crisis. The west Aravali area is desert, having scanty and erratic rainfall and often faces drought conditions. There are only a few reservoirs in the area, soil strata is basically alluvial with limestone and allied sedimentary rocks, which are good aquifers. The increased demand of water for agriculture, industrial and domestic uses is fast depleting the ground water reserve and deteriorating the water quality. The available water has high TDS, salinity fluoride and nitrate contents. The Gang Bhakhra Canal system, Indira Gandhi Canal System in the north-western part and now Narmada canal system in southern part are the only reliable drinking water sources in the region.

19.3 In addition to the above geographical problems, high population growth rate, its sparse distribution has aggravated the task of providing safe drinking water. On account of these problems, about 70 percent habitations of the State are problematic from the point of view of potable drinking water.

19.4 Rajasthan already accounts large poor water quality areas. Increasing pollution by industrial units, big and small, unregulated mining and even over-extraction of water from deep wells also add to the water quality problem in a number of districts. Intensive surface water irrigation many a times causes water-logging and increased salinity, which are major environmental threats. The incidence of water logging and salinity depends upon factors such as quantity of water used, intensity of irrigation, soil drainage characteristics, depth of water table, etc. Similar problems have also been observed in some of the medium and minor irrigation projects. These problems can be tackled to an extent, as has been attempted in IGNP area, with extension of area under irrigation command and reduction in quantity of water used, large-scale plantation and, conjunctive use of surface and ground water.

19.5 Deterioration of the ground water quality is far more serious. Rajasthan is particularly handicapped in this regard, largely because of the over-dependence on ground water. Following table compares the magnitude of the problem in Rajasthan to the rest of India:

**Table 19.1**

**Comparison of Quality of Ground-water in Rajasthan and India**

Particulars	India	Rajasthan	
		Villages/Habitations	% of country
Only Fluoride	26131	10788	41.28
Only Salinity	28398	23168	81.58
Only Nitrate	3032	856	28.23
Only Iron	79955	60	0.12
Only Arsenic	6548	8	0.075
<b>TOTAL</b>	<b>201625</b>	<b>34880</b>	

19.6 To prepare drinking water supply schemes based on surface is the utmost priority of the State Government to provide safe drinking water to the people. High priority would be given to the suitable schemes to mitigate the problem of saline and fluoride water. Conventional sources of water such as wells, bawadi, anicuts, ponds and tankas etc. would be augmented in a big way. A State Policy would be prepared not only to increase water capacity of these sources but also to keep water safe in these conventional water sources.

19.7 The State Government would also accord high priority to connect regional water supply schemes to villages, towns and habitations as much as possible. Remote areas are proposed to be covered through Rajiv Gandhi Drinking Water Mission. Rain water harvesting for conservation of rain water would be encouraged.

**Rural Water Supply**

19.8 Presently, 85 percent rural water supply schemes are dependent on ground water. Break up of the type of rural schemes is as below:

**Table No. 19.2**

S. No.	Type of Scheme	No. of Villages Covered	Percentage
1.	Piped Water Supply Scheme	2013	5.07
2.	Pump & Tank Water Supply Scheme	3503	8.82
3.	Regional Water Supply Scheme	10623	26.73
4.	Hand Pump Scheme	20353	51.22
5.	TSS	1146	2.88
6.	Diggy & Others	2101	5.28
	<b>Total</b>	<b>39,739</b>	<b>100.00</b>

19.9 Over the years, the ground water situation has become a matter of concern due to over extraction for agricultural purposes. This has led to severe depletion in ground water table and deterioration in water quality,

making a large number of drinking water sources unsustainable. Apart from this, large geographical areas have high concentration of dissolved chemicals like; fluoride, chloride etc. making it unsafe for drinking purposes. To solve the problem of drinking water in such areas, a number of drinking water supply projects based on surface water sources have been taken up in hand.

19.10 Under "Bharat Nirman" 77,052 habitations were identified as problematic habitations in respect of drinking water, as on 1<sup>st</sup> April, 2005. As on 31.03.10, 65415 habitations have been covered under problematic habitations. A large number of habitations, out of this are having multiple quality problems. With the taking up of the surface water source based projects, drinking water problem of a total of 27,658 habitations has been addressed. Most of which belong to the remaining habitations to be covered under "Bharat Nirman". It is targeted to cover the remaining habitations by the financial year 2012-13.

19.11 Due to the limitations of quality and quantity, the ground water sources can no longer be considered dependable in Rajasthan. Major coverage, therefore, shall be from surface water source based projects. Chambal River and its tributaries, Indira Gandhi Canal System and Narmada Canal are the only dependable perennial surface water sources in the State. Due to limited number of reliable surface source, these projects involve long transmission systems and are, therefore, highly capital intensive, requiring substantial funds and longer time for completion. Surface sources are being adopted as the most sustainable and reliable source to avoid slipping back after achieving coverage.

### **Urban Water Supply**

19.12 Supply of safe hygienic and potable drinking water to urban population is undoubtedly the top priority of the State Government. All the 222 towns of the State have been benefited with drinking water supply system. But the service level and the quality of supplied drinking water still needs a lot of efforts in terms of improvement and consumer satisfaction. The main thrust in the Eleventh Five Year Plan is on providing reliable, self-sustaining drinking water supply with adequate service levels to the urban areas and as per prescribed norms.

19.13 Against an outlay of ₹ 5,085.93 crore for the Sewerage & Water Supply sector in the Eleventh Five Year Plan, an expenditure of ₹ 3605.49 crore was incurred in the year first three years of Eleventh Five Year Plan. An expenditure of ₹ 1314.08 crore is likely to be incurred during the year 2010-11. A provision of ₹ 1420.94 crore has been proposed for the Annual Plan 2011-12. The break-up of likely expenditure during 2010-11 and outlays proposed for 2011-12 for the Sewerage & Water Supply sector are as follows:

**Table No. 19.3**

(₹in crore)

<b>S. No.</b>	<b>Scheme</b>	<b>Eleventh Plan Outlay</b>	<b>Likely Exp. 2010-11</b>	<b>Proposed Outlay 2011-12</b>
1.	Urban Water Supply	2402.40	432.00	591.46
2.	Rural Water Supply	2670.58	881.62	828.50
3.	Training Institute for Engineering Subordinates	3.45	0.46	0.98
4.	Low Cost Sanitation	9.50	-	-
	<b>Total</b>	<b>5085.93</b>	<b>1314.08</b>	<b>1420.94</b>

**Major Water Supply Projects:**

19.14 There are 67 sanctioned major water supply projects to cover 68 towns, 7986 main habitations and 983 other habitations. Out of this, 22 projects have been completed and two projects are partially completed. As on March, 2010, 22 towns, 1974 main habitations and 652 other habitations have been covered.

19.15 A sum of ₹ 935.61 crore has been proposed for major water supply projects (rural & urban) in the Annual Plan 2011-12. The details of some of the important major projects are given below:

**Jaipur Water Supply Project from Bisalpur**

19.16 The project has been prepared for water supply for Jaipur city from the Bisalpur dam. The project consists two parts. First part of the project for transmission of water from Bisalpur to Balawala reservoir, 15 km south of Jaipur is being executed by Urban Development Department with loan assistance from ADB. The total cost of this part is ₹ 556 crore. Second part of the project for transfer of water from Balawala to various distribution centers of Jaipur city is being executed by Water Supply Department from JBIC loan assistance. Total sanctioned cost of the transfer system is ₹ 580 crore, out of which ₹ 343 crore is JBIC loan. The project was originally targeted for completion by December, 2008. Bisalpur transfer network has been connected to different parts of the town by March, 2010 in various stages, as per availability of water in Bisalpur dam. Work of six packages is almost complete. Completion of entire project is likely by March, 2013 including the work of improvement of existing distribution system and reduction in non-revenue water to be taken up now.

19.17 A provision of ₹ 200.02 crore had been kept for it in the Eleventh Five Year Plan. Total expenditure of ₹ 437.57 crore has been incurred up to March, 2010. During the financial year 2010-11, an expenditure of ₹ 32 crore is likely to be incurred. A provision of ₹ 50 crore has been proposed for the Annual Plan 2011-12.

### **Jawai-Pali Pipeline Project**

19.18 This project has been sanctioned to save water losses in open canal to provide safe drinking water to additional 531 villages and 10 towns of Pali district by converting existing canal system into pipeline from Jawai dam. Part of the pipeline has been commissioned in 2009.

19.19 An expenditure of ₹ 268.45 crore has been incurred up to March, 2010 on this project. A provision of ₹ 31.40 crore has been made for this project in the Annual Plan 2010-11. An outlay of ₹ 1.00 crore is proposed for the project during 2011-12.

### **Barmer Lift Canal Water Supply Project-Phase-I**

19.20 The project has been taken up for construction of main infrastructures i.e. raw water storage, treatment plant, clear water storage, pumping stations and 180 km long transmission line for providing drinking water to Barmer city and 412 villages of Barmer and 161 villages of Jaisalmer district. Total cost of the project is ₹ 688.66 crore. Indira Gandhi Main Canal is the source of water for the project. Work on this project is under progress through turnkey contracts. A provision of ₹ 28.00 crore has been kept for this project in the Eleventh Five Year Plan 2007-12. A provision of ₹ 21.90 crore has been made for the in the Annual Plan 2010-11.

### **Bisalpur Dudu Phulera Project (Phase-I)**

19.21 The project envisages global coverage of 1,488 villages of Jaipur, Tonk & Nagaur districts and 7 towns namely Chaksu, Sambhar Lake, Phulera, Narena, Malpura, Niwai and Todaraisingh. Revised cost of the project is ₹ 678.87 crore. The work of two transmission pipelines has almost been completed & the work of two cluster distribution including village distribution of 265 villages is likely to be completed by March, 2011. A provision of ₹ 83.98 crore has been kept for this project in the Eleventh Five Year Plan. Total expenditure of ₹ 235.49 crore has been incurred up to March, 2010. A provision of ₹ 25 crore has been kept in 2010-11 and an outlay of ₹ 20.97 crore is proposed for the Annual Plan 2011-12.

### **Chambal-Sawai Madhopur-Baler Water Supply Project**

19.22 The project envisages providing drinking water to 636 villages of S. Madhopur district and S. Madhopur town. The source of water for the project is Chambal River at Mandrayal. Estimated cost of the project is ₹ 468.18 crore. The work of raw water pipeline has been started and work under progress. A provision of ₹ 137.00 crore has been kept for the in the Eleventh Five Year Plan. An expenditure of ₹ 171.20 crore has been incurred up to March, 2010. A provision of ₹ 25 crore has been made for the project in 2010-11. A token provision is proposed for this project in the Annual Plan 2011-12. The delay in project has accrued mainly due to delay in environmental clearance by the Supreme Court for construction

of Intake Well on Chambal River. The approval for environmental clearance has been received in October, 2008. The work of main infrastructure system is likely to be completed by March, 2013.

### **Ramganjmandi-Pachpahar Water Supply Project**

19.23 The project is envisaged to provide drinking water to 220 villages of Ramganjmandi, Pachpahar and Bhainsroadgarh tehsils and 4 towns. Total sanctioned cost of the project is ₹ 196 crore and it is being part funded by NABARD under RIDF. The work of this project is nearing completion. A provision of ₹ 40.36 crore has been kept in the Eleventh Five Year Plan for the project. An expenditure of ₹170.90 crore has been incurred up to March, 2010. A provision of ₹ 3.25 crore has been for the project in the Annual Plan 2010-11. The project has been physically completed in March, 2010 and 5 towns & 220 villages are being benefited from the project.

### **Ajmer Bisalpur Water Supply Project Phase-II**

19.24 This project is part funded under JNNURM. It has been designed for augmentation of water supply for Ajmer & Pushkar towns for the design year 2031. Total cost of work sanctioned under the project is ₹ 359.46 crore. A provision of ₹ 764.32 crore has been kept for this project in the Eleventh Five Year Plan. An expenditure of ₹ 218.02 crore has been incurred up to March, 2010. A token provision of ₹ 20 crore has been kept for this project in the Annual Plan 2010-11. The work of the project is under progress and the main transmission system up to Ajmer would be completed by March, 2011. A provision of ₹ 30 crore is proposed for the Annual Plan 2011-12. Remaining work of pipeline from Nasirabad to Beawar would be taken up in 2011-12.

### **Nagaur Lift Water Supply Project**

19.25 The project has been sanctioned to solve drinking water problems of 5 towns and 502 villages of Nagaur district. Total cost of the project is ₹ 761.00 crore. A provision of ₹ 85 crore has been kept for the project in the Eleventh Five Year Plan. An expenditure of ₹ 299.72 crore has been incurred up to March, 2010. A provision of ₹ 30 crore has been kept for the project in 2010-11. An outlay of ₹ 30.50 crore is proposed for this project in the Annual Plan 2011-12. The work of the main transmission system would be completed by March, 2010. The work on the cluster distribution system is proposed to be taken up in the financial year 2011-12.

### **Pokran Phalsoond Balotra Lift Water Supply Project**

19.26 This project has been framed to provide drinking water to Pokran, Balotra and Siwana towns and 580 villages of Barmer & Jaisalmer districts. Total cost of the project is ₹ 1084.83 crore. Off-take point for this project has been taken up at Nachna Phata on IGMC. A provision of ₹ 96 crore has been kept for the project in Eleventh Five Year Plan. An

expenditure of ₹ 65.84 crore has been incurred up to March, 2010. During the financial year 2010-11, an expenditure of ₹ 105.81 crore is likely to be incurred. An outlay of ₹ 70.40 crore is proposed for this project in the Annual Plan 2011-12.

19.27 Presently work Package-I costing ₹318 crore of raw water reservoir, filter plant, clear water storage reservoir is under progress. Preparation for remaining proposals for TS is under progress. Land at HW-1 Nachna has been allotted, process of land allotment for RWR at Biliya and other major head works is under progress. ₹ 30 lakh has been deposited to IGNP, Phalodi for construction of Out-Let at RD-1253.5 and ₹ 12.87 crore have also been deposited for electric connection. Land has been acquired for all 18 OHSR and Pump Houses. Works of Railway/Road crossings is under progress. The work on the transmission system is likely to be completed in the financial year 2010-11 and the work of extension of main pipeline up to Balotra and the work of cluster distribution system shall be taken up in phased manner.

### **Dewas Water Supply Scheme**

19.28 The project consists construction of 2 dams near Akodra and Madri villages of Jhadol & Girwa tehsils respectively of Udaipur district. The revised cost of the project is ₹ 379.19 crore. Execution of the work on this project is in progress and being executed by the Water Resources Department. A provision of ₹ 38.08 crore has been kept for the project in Eleventh Five Year Plan. An expenditure of ₹ 109.72 crore has been incurred up to March, 2010. A provision of ₹ 100 crore has been kept in 2010-11. A provision of ₹ 50 crore is proposed for this project in the Annual Plan 2011-12.

### **Chhapi Jhalawar-Jhalrapatan Water Supply Project**

19.29 The project is under implementation to provide drinking water to 2 towns & 235 villages of Jhalawar district from Chhapi dam. Total cost of the project is ₹108.44 crore. A provision of ₹ 55 crore has been kept for the project in the Eleventh Five Year Plan. An expenditure of ₹ 174.11 crore has been incurred up to March, 2010. A provision of ₹ 7 crore has been kept for the project in 2010-11. The project has been physically completed in March, 2010 and 2 towns & 235 villages are being benefited by it.

### **Narmada Canal based Water Supply Projects**

19.30 This project has been prepared to provide safe drinking water to 441 villages & 2 towns of Jalore district. Total cost of the project is ₹ 321.18 crore consisting following three phases:

- i. **Sillu Project (₹1.61 crore)** - SPR Work (Infra) is almost completed & 22 MH & 29 OH benefited through existing distribution system.

ii. **DR Project (₹129.63 crore)**-Proposed to be taken up on annuity basis. Preparation of annuity document is under process.

iii. **FR project (₹ 303.38 crore)**-Work awarded for ₹ 310.12 crore and pipeline work is under progress. The work at Tetrol head works could not started due to problem in land acquisition.

19.31 A provision of ₹ 79 crore has been kept for the project for the project in the Eleventh Five Year Plan. An expenditure of ₹ 158.79 crore has been incurred up to March, 2010. A provision of ₹ 68 crore has been kept in 2010-11. An outlay ₹ 5 crore of is proposed for this project in the Annual Plan 2011-12.

#### **Desalination Water Supply to Jayal tehsil of Nagaur from Matasukh Mines**

19.32 This project has been prepared to provide safe drinking water to residents of 120 habitations of Jayal tehsil of Nagaur district. Total cost of the project is ₹124.37 crore. An expenditure of ₹106.95 crore has been incurred up to March, 2010. A provision of ₹ 30 crore has been kept for the project in 2010-11. The project is likely to be completed by March, 2011.

#### **Safety measure works for Ajmer Bisalpur**

19.33 This project has been prepared for safety of Ajmer-Bisalpur pipe line & other works. The total cost of the project is ₹ 26.52 crore. An expenditure of ₹ 21.15 crore has been incurred up to March, 2010. A provision of ₹ 0.30 crore is proposed for this project in the Annual Plan 2011-12.

#### **Tiwari Mathania Osian**

19.34 This project was sanctioned on 13-7-07 for an estimated cost of ₹ 305.15 crore to benefit 113 main habitations and 285 other habitations with safe drinking water. The project work shall be taken up in phases. Source of water for the project is Rajeev Gandhi Lift Canal. An expenditure of ₹ 21.15 crore has been incurred on the project up to March, 2010. A provision of ₹ 50 crore has been kept for the project in 2010-11. An outlay of ₹ 34.92 crore is proposed for this project in the Annual Plan 2011-12.

#### **Reorganization of Urban Water Supply Scheme Jodhpur**

19.35 Jodhpur town is getting its water supply from Rajeev Gandhi Lift Canal & adequate raw water is available for the town for the demand of 2016. However around 25 percent of the area of town receives drinking water once in two days. Augmentation/re-organization of distribution system of Jodhpur town with specific emphasis on work related to management of source and its transfer to places of shortage, distribution network improvement is urgently required. The estimated cost of the project is ₹ 549.55 crore. An expenditure of ₹ 6 crore has been incurred

up to March, 2010. A provision of ₹ 70.00 crore has been kept for the project in 2010-11. An outlay of ₹150 crore is proposed for this project in the Annual Plan 2011-12. The proposal for external funding assistance from AFD, a French funding Agency, has also been submitted to Union Ministry of Urban Development on 05.07 2009. A delegation of Union & State Government officials has visited AFD office at Paris in October, 2010 for negotiation on terms & conditions of AFD loan and accorded in principle agreement of loan amount of 440 crore for the project.

#### **Chambal-Bhilwara Water Supply Project**

19.36 The estimated cost of the project is ₹ 1020.00 crore. This project is envisaged to provide safe drinking water to all the 9 towns and 1688 villages of Bhilwara district and 68 en-route villages of Chittorgarh district with Chambal river, near Bhainsroadgarh upstream of Jawahar Sagar as source. The proposal for external funding assistance from World Bank has also been sent to Union Ministries of Urban Development & Rural Development on 16.10.2009. The first preparation Mission & subsequent Identification Mission of World Bank has visited in June and October, 2010 respectively.

#### **Narmada-H Off-take point to Gudamalani:**

19.37 This project is envisaged to provide safe drinking water to 371 villages based on surface source of Narmada Canal.

#### **RWSS RGLC PANCHALA GHEWARA CHERAI**

19.38 The Work of detailed survey, village action plan and preparation of detailed project report is under progress and financial & technical sanction will be issued by 2010-11. Work is proposed to be started in April, 2011 and about 15 percent of financial progress is proposed to be achieved in the year 2011-12.

#### **RWSS RGLC BHER HARLAYA**

19.39 The Work of detailed survey, village action plan and preparation of detailed project report is under progress and financial & technical sanction will be issued by 2010-11. Work is proposed to be started in April, 2011 and about 15 percent of financial progress is proposed to be achieved in the year 2011-12.

#### **Nagda Anta Baldeopura Water Supply Project**

19.40 Nagda Anta Baldeopura Water Supply Project for supplying water to Anta town and 42 villages of Baran & Mangrol tehsil of Baran district from Badal Deh in the Kali Sindh river costing ₹ 71.68 crore will be taken up. The project includes transmission main as well as distribution of town and up to the proposed villages.

#### **Borawas Mandana Water Supply Project**

19.41 It is proposed to take up Borawas Padampura Water Supply Project for supplying drinking water to 44 villages and 18 dhanies of Kota district. Total cost of the project is ₹ 38.84 crore. Revised proposal for the scheme by clubbing of Borawas-Padampura scheme with another sanctioned scheme Nayagaon-Jagpura-Kasar using the existing structures of at Akelgarh head works of UWSS Kota has been prepared costing ₹ 118 crore, wherein 57 villages and 20 other habitations of Ladpur tehsil will be benefited by the scheme. The project includes transmission main as well as distribution up to the proposed villages.

**Construction & commissioning of 40 MLD WTP at Shobhasar Ssection and other ancillary works under UWSS Bikaner**

19.42 To increase production capacity of Shobhasar head work from 40 MLD to 80 MLD to meet out the demand of Bikaner city and other related ancillary works, a project will be taken up. Total estimated cost of the project is ₹ 20.66 crore.

**NABARD Assisted Water Supply Projects**

19.43 The following Projects are being funded by NABARD under RIDF:

**Table No. 19.4**

(₹ in crore)

S. No.	Name of the Project	Total Cost	NABARD loan	Exp. up to March, 2010
1	Ramganj Mandi Pachpahar	196.00	68.57	68.73
2	Jawai Pali Pipeline	634.79	86.75	89.76
3	Dang Area	116.84	76.56	15.60
4	Chhapi to Jhalawar	199.81	125.52	126.30
5	Jayal tehsil of Matasukh	150.18	127.65	106.95
6	Bagheri Ka Naka	194.92	87.20	89.49
7	Gulendi Jhalawar	44.94	32.12	17.00
8	Kalikhari Jhalawar	61.61	44.38	23.00
9	Ummaid Sagar Dhawa	429.69	170.44	149.88
10	Tibba Area of Suratgarh	31.74	36.75	26.96
11	Dewas WS Project Phase-II	379.19	268.91	79.00
12	Keru-Beru-Joliyali	32.01	24.22	2.00
13	Indroka Manaklao Dantiwara	308.00	137.43	17.68
14.	Indroka Manaklao Khangta	89.46	86.10	61.26
15	Bisalpur Dudu WS Project	678.87	174.11	94.26
16	Chambal Bhartpur	166.60	130.41	57.04
17	Tinwari Mathania	305.15	259.38	11.46
18	Narmada-FR	303.38	91.15	53.50
19	Pokaran- Phalsoond	1084.83	343.72	0.00

**New Initiatives:**

19.44 **Private Partnership Based Projects:** Looking to the funding constraint, it is proposed to take up following projects on Annuity/PPP basis:

**1. Bisalpur-Tonk-Uniyara Drinking Water Supply Project:**

A water supply project for Tonk and Uniyara towns and 436 villages of Deoli, Uniyara and Tonk tehsils of Tonk district will be taken up. Estimated cost of the project is ₹ 385 crore.

**2. Water Supply & Sewerage Project for Udaipur & AjmerL**

A water supply project for providing drinking water to Udaipur and Ajmer cities will be taken up. Estimated cost of the project is ₹ 1000 crore.

**External Aided Projects:**

19.45 Presently following three projects have been submitted for external assistance to Government of India.

**Nagaur Lift Project, Phase-II**

19.46 A proposal amounting to ₹ 2013.19 crore has been submitted to Union Ministry of Rural Development on 21.07.06 for external assistance from World Bank. Ministry of Rural Development has forwarded the proposal to Department of Economic Affairs. DEA advised to explore funding of project from Japan International Cooperation Agency (JICA). The preliminary proposal of the project has been sent to DEA on 24.12.10 for funding assistance from JICA.

**Urban Water Supply Scheme, Jodhpur**

19.47 A proposal amounting to ₹ 549.55 crore has been submitted to Union Ministry of Urban Development on 05.07.09 for external assistance from AFD, a French Funding Agency. Department of Economic Affairs has forwarded the proposal to World Bank on 06.04.10. NIT of the works of Surpura Head works related to raw water, WTP, pump house & CWR amounting to ₹ 150 crore have been invited with stipulated date of receive on 06.10.10. A delegation of Government of India & State Government officials have visited AFD office at Paris from 27th to 28th October-10 for negotiation on terms & conditions of AFD loan and accorded in-principle agreement of loan of ₹ 440 crore for the project.

**Chambal-Bhilwara Project**

19.48 A proposal amounting to ₹1020 crore has been submitted to Union Ministry of Urban Development on 16.10.09 for external assistance from World Bank. Department of Economic Affairs has forwarded the proposal to World Bank on 31.03.10. Work order for preparation of Detailed Engineering Report has been issued to M/s PDCOR on 21.08.2009 after

necessary sanction. In-principle agreement of State Government has been communicated to World Bank vide dated 30.08.10. Further, identification of required land for development of Head works has been started so that process of land allotment/acquisition may be started. First Preparation Mission of World Bank has visited the State from to discuss the project. As per the discussion held with the Preparation Mission, State Government has communicated its approval to consider 55 LPCD for design of system components for rural areas.

19.49 Apart from the above projects, following projects are also proposed for external assistance from World Bank:

**Aapni Yojana Phase-II**

19.50 To provide benefit to 6 towns & 444 villages of Churu & Jhunjhunu districts, a proposals of amounting to ₹ 1330 crore has been sent to the Union Government for financial assistance from World Bank. The proposal is under observation of Union Ministry of Rural Development.

**Barmer Lift Project, Phase-II**

19.51 To provide benefit to 691 villages of Barmer District, proposals of amounting ₹ 797.75 crore has been sent to the Union Government for financial assistance from Japan International Cooperation Agency (JICA). The proposal is under observation of Union Ministry of Rural Development.