

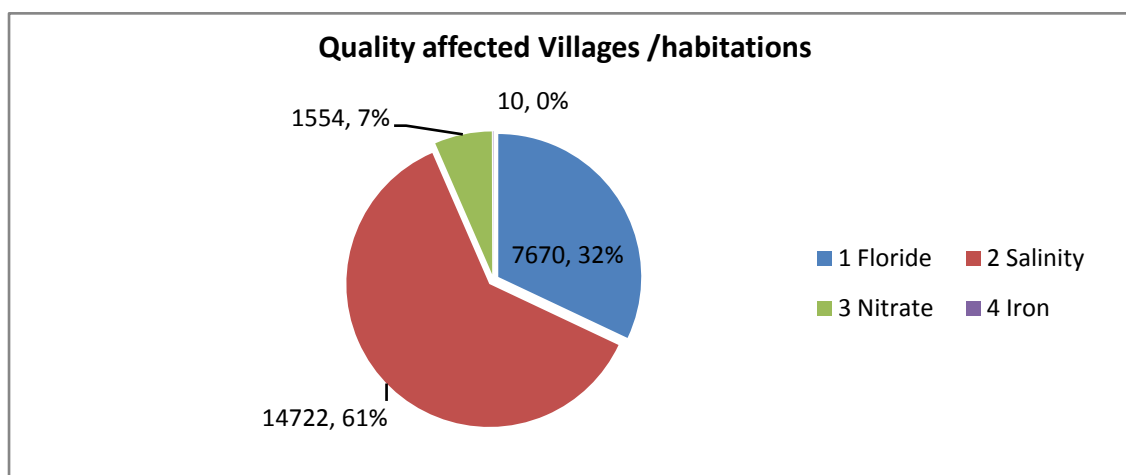
## CHAPTER - 14

### WATER SUPPLY & SANITATION

14.1 The State accounts for 5.5 per cent of country's population and 10.41 per cent of country's area, but it has barely 1.11 per cent of the country's surface water and 1.7 per cent of ground water. The position of the State in terms of availability of water is gravest in the country. Per capita availability of water of the state is only 640 cubic meters against the national average of 1700 cubic meters. Approximately 90 per cent population of the State is dependent on underground water for drinking water. The ground water condition in the State has become quite alarming due to overexploitation in the last two decades. Out of total 243 blocks in the State, as per the ground water survey 2011, only 24 blocks are in 'safe' category, 20 block fall in 'semi critical' category, 25 in 'critical' and 172 blocks in 'overexploited' category. Two blocks are completely saline. The average extraction of ground water in the state is 137 percent of recharge with one block having extraction of 600 per cent of the recharge.

14.2 The conditions have become more critical due to uncertain and scanty rainfall during the monsoon. The supply of water has become increasingly difficult due to demand of a growing population, livestock, agriculture and industries.

14.3 The State also suffers from the problem of quality of available water. Out of total water quality affected habitations of the country, 30.51 per cent belong only to the State. Increased pollution by industrial units, unregulated mining and even over-extraction of water from deep wells also add to the water quality problem in a number of districts. As on 01.04.2014 there are 7670 habitations affected from fluoride, 14722 habitations from salinity, 10 habitations from iron and 1554 habitations from nitrate. Thus, as many as 23956 habitations suffer from water quality issue. In addition to this 28092 habitations are only partially covered with drinking water supply. Poor quality of drinking water adds to serious health concerns also.



14.4 The situation needs to be addressed on a war-footing in order to meet the objectives of development. The following thrust areas for water conservation and management have been identified.

- Enhancing recharge of ground water particularly in dark zones of critical or over-exploitation.
- Rain water harvesting through appropriate structures.
- Effective management of irrigation projects to minimize evaporation and other losses.
- Economic use of water in agriculture.

### **Strategic Options to Solve the Quality & Sustainability**

14.5 The options available to solve the quality problem of the rural areas in a sustainable way are:

- **Rainwater Harvesting:** Rain water harvesting in desert area is highly unsustainable option as rainfall is erratic and scanty. This can be only a supplemental source.
- **Desalination:** Desalination is costlier as compared to surface water schemes besides problem of reject management and high electric consumption. Per liter cost of desalinated water is 10-30 paisa as compared to 3.5 paisa through surface schemes. In bulk desalination plant, the cost can be reduced but it would still remain much higher as compared to surface source. However, use of RO may be the best option available as a midterm measure for quality affected areas.
- **Surface Sources:** The State's medium term plan is to shift toward surface water sources through building an extensive network of multi town and multi habitation schemes, each with long distance conveyance systems simultaneously supplying bulk water to a large number of villages, towns and cities, for maximizing benefits. The main surface sources are Indira Gandhi Main Canal, Banas, Chambal & Narmada River based dams. Yamuna water shall also be utilized for nearby rural areas.

14.6 Providing safe drinking water to the people through schemes based on surface water is the utmost priority of the State. High priority would also be given to suitable schemes to mitigate the problem of saline and fluoride water. Conventional sources of water such as wells, bawadi, anicuts, ponds and tanks etc. would be augmented in a big way. The State Government is according 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.

14.7 An outlay of ₹ 1461591.15 lakh was kept for water supply sector for the Twelfth five year plan. An expenditure of ₹ 485945.29 lakh is likely

to be incurred in the year 2014-15 against an outlay of ₹ 455648.56 lakh. An outlay of ₹ 467424.21 lakh is proposed for the Annual Plan 2015-16 which includes Central Assistance of ₹ 40973.51 lakh. Scheme-wise outlays fixed for the Twelfth Plan, likely expenditure in the year 2014-15 and proposed outlay for the Annual Plan 2015-16 are as follows:

**Table No. 14.1**  
**Scheme-wise Financial Outlays Proposed**

(₹ in lakh)

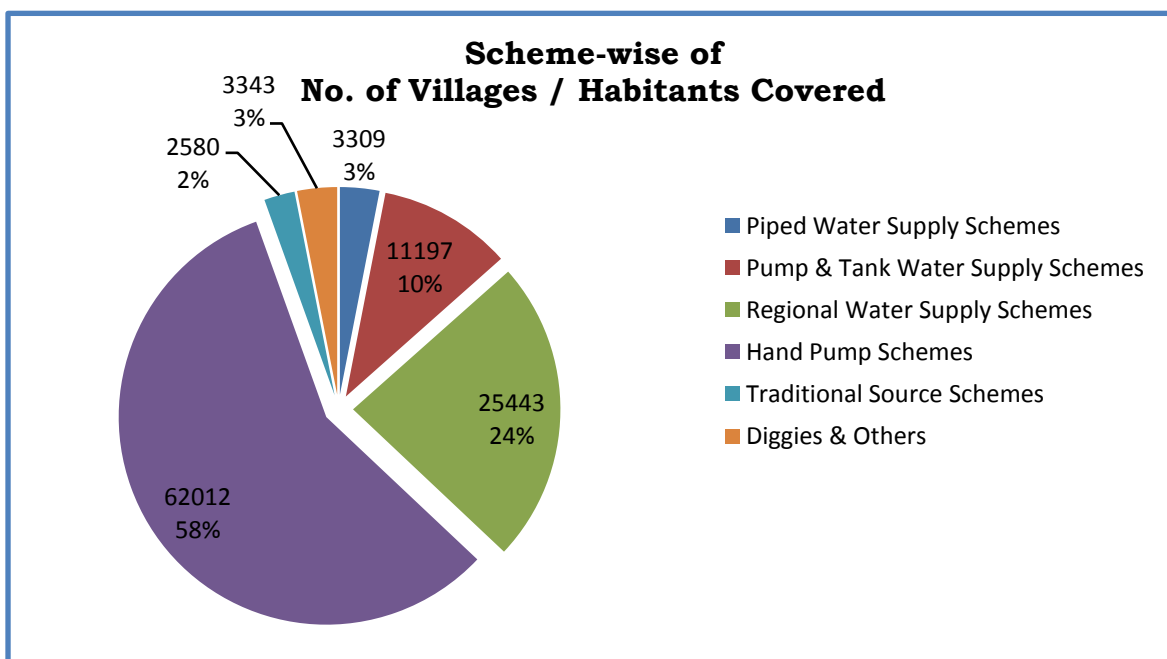
| S. No. | Scheme  | Twelfth Plan Outlay | Outlay 2014-15   | Likely Exp. 2014-15 | Proposed Outlay 2015-16 |
|--------|---|---------------------|------------------|---------------------|-------------------------|
| 1.     | Urban Water Supply                              | 539336.91           | 117550.01        | 117550.01           | 99503.03                |
| 2.     | Rural Water Supply                              | 919181.24           | 337970.04        | 368270.04           | 367679.59               |
| 3.     | Training Institute for Engineering Subordinates | 573.00              | 128.50           | 125.21              | 141.59                  |
| 4.     | Low Cost Sanitation                             | 2500.00             | 0.01             | 0.03                | 100.00                  |
|        | <b>Total</b>                                    | <b>1461591.15</b>   | <b>455648.56</b> | <b>485945.29</b>    | <b>467424.21</b>        |

### Rural Water Supply

14.8 Presently, 90 per cent rural water supply schemes in the State are based on ground water. Break up of rural water schemes are as below:

**Table No. 14.2**  
**Scheme-wise of Coverage of Rural Water Supply**

| S. No. | Type of Scheme                   | No. of Villages/<br>Habitants Covered | Percentage    |
|--------|----------------------------------|---------------------------------------|---------------|
| 1      | Piped Water Supply Schemes       | 3309                                  | 3.07          |
| 2      | Pump & Tank Water Supply Schemes | 11197                                 | 9.41          |
| 3      | Regional Water Supply Schemes    | 25443                                 | 23.58         |
| 4      | Hand Pump Schemes                | 62012                                 | 57.48         |
| 5      | Traditional Source Schemes       | 2580                                  | 2.39          |
| 6      | Diggies & Others                 | 3343                                  | 3.10          |
|        | <b>Total</b>                     | <b>107884</b>                         | <b>100.00</b> |



14.9 Out of 121133 habitations, 70461 habitations have been fully covered and 27567 habitations are partially covered as on 1<sup>st</sup> Feb, 2015. Balance 23105 habitations have quality problems. Drinking water problem of these quality affected 23105 habitations shall be addressed by taking up surface water source based projects. As a midterm solution, 5000 R O Plants are to be installed in quality affected habitations in next 5 years. As on date, against 1000 RO plants sanctioned during the year 2013-14, 698 RO plants have been commissioned so far. Rest work is under progress. During the year 2015-16, work of 2000 new RO plants shall be taken up.

14.10 During the year 2015-16, work of 1000 Solar energy based Single Phase Bore Wells is proposed to be taken up in habitations either not yet electrified or where existing bore wells have become defunct due to depleting water table. An amount of ₹ 4000.00 lakh is proposed for this purpose.

14.11 Work of rejuvenation & repairing of inlet channel, SSF & diggies in canal area of Bikaner region shall be taken up during the year 2015-16 for which an amount of ₹ 9000.00 lakh is proposed.

14.12 For rejuvenation of defunct JJY schemes, an amount of ₹ 13955.36 lakh is proposed.

14.13 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 that are highly capital intensive, requiring substantial funds and long 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**

14.14 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 drinking water supply still need improvement for optimal consumer satisfaction. The main thrust in the Twelfth five year Plan is on providing reliable, sustainable drinking water supply with adequate service levels to the urban areas as per prescribed norms.

**Major Water Supply Projects:**

14.15 An outlay of ₹ 257203.37 lakh is proposed for rural as well as urban water supply schemes for the Annual Plan 2015-16. Details of major water supply schemes are given below.

**Jaipur Water Supply Project from Bisalpur**

14.16 This project was prepared for water supply for Jaipur city from the Bisalpur dam. The project consists of two parts. First part of the project for transmission of water from Bisalpur to Balawala has been completed by the Urban Development Department with loan assistance from ADB. The total cost of this part was ₹ 55600.00 lakh. Second part of the project for transfer of water from Balawala to various distribution centres of Jaipur city is being executed by Water Supply Department with loan assistance from Japan Bank for International Cooperation (JBIC). Estimated cost of the transfer system is ₹ 58000.00 lakh, out of which ₹ 34300.00 lakh is JBIC loan. Bisalpur transfer network had been connected to different parts of the town by March, 2010 in various stages, as per availability of water from Bisalpur dam. The project has been completed by March, 2014. The work of improvement of existing distribution system and reduction in non-revenue water is being taken up now. An expenditure of ₹ 625.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 625.00 lakh. An amount of ₹ 393.00 lakh is proposed for the Annual Plan 2015-16. The work of last package of New Distribution Centre at Kho-Nagorian is likely to be completed in the year 2015-16.

14.17 Looking to the demands of newly developed colonies, DPR of II phase of Bisalpur Jaipur Water Supply Project is being prepared. For this an amount of ₹25.00 lakh is proposed for the Annual Plan 2015-16.

**Reorganisation of Urban Water Supply Scheme, Jodhpur (EAP-French Funding Agency)**

14.18 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. 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 ₹ 74050.00 lakh. An expenditure of ₹ 12100.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 12100.00 lakh. An outlay of ₹15000.00 lakh is proposed for the Annual Plan 2015-16.

**Jawai-Pali-Jodhpur Pipeline Project**

14.19 This project was 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 the existing canal system into pipeline from Jawai dam. Part of the pipeline was commissioned in 2009. Total cost of

the project is ₹ 63479.00 lakh. An expenditure of ₹ 1000.01 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 1000.01 lakh. An outlay of ₹1000.04 lakh is proposed for the Annual Plan 2015-16.

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

14.20 The project envisages coverage of 1,488 villages of Jaipur, Tonk & Nagaur districts and 7 towns namely Chaksu, Sambhar Lake, Phulera, Narena, Malpura, Niwai and Todaraisingh. The revised cost of the project is ₹ 67887.00 lakh. The work of two transmission pipelines has been completed & the work of four cluster distribution including village distribution has also been completed. Presently work of last two cluster distribution packages i.e. Nariana Cluster & Sambhar cluster is under progress. An expenditure of ₹ 7525.02 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 7525.02 lakh. An outlay of ₹ 2400.02 lakh is proposed for the Annual Plan 2015-16.

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

14.21 This project envisages providing drinking water to 636 villages of Sawai Madhopur district and Sawai Madhopur town. The source of water for the project is Chambal River at Mandrayal District Karauli. The estimated cost of the project is ₹ 46818.00 lakh. The work of raw water pipeline is under progress. The delay in the execution of the project accrued mainly due to delay in environmental clearance for construction of Intake Well on Chambal River. The work of main infrastructure system is likely to be completed by June, 2016 & work of cluster distribution package of 109 villages is also under progress. An expenditure of ₹ 2000.01 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 2000.01 lakh . An outlay of ₹ 1320.00 lakh is proposed for the Annual Plan 2015-16.

#### **Nagaur Lift Water Supply Project (Phase I)**

14.22 This project was sanctioned to solve drinking water problems of 5 towns and 502 villages of Nagaur district. Total cost of the project is ₹ 76100.00 lakh. The work of the main transmission system has been completed. The work on the cluster distribution system of 502 villages in three packages is under progress. An expenditure of ₹ 9260.01 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 7760.02 lakh. An outlay of ₹ 6494.91 lakh is proposed for the Annual Plan 2015-16.

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

14.23 This project was framed to provide drinking water to Pokran, Balotra and Siwana towns and 580 villages of Barmer & Jaisalmer districts. Total cost of the project is ₹ 144420.00 lakh. Off-take point for this project has been taken up at Nachna Phata on Indira Gandhi Main Canal (IGMC). An expenditure of ₹20890.97 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹13590.97 lakh. An outlay of

₹ 10650.00 lakh is proposed for the Annual Plan 2015-16. Presently infrastructure work from Nachna to Pokaran has been completed and infrastructure work from Pokaran to Balotra under two packages is under progress. Further, cluster distribution work of 580 villages under 04 packages is also under progress.

#### **Dewas Water Supply Project**

14.24 This project consists of construction of 2 dams near Akodra and Madri villages of Jhadol & Girwa tehsils respectively of Udaipur district. The revised cost of the project is ₹ 37919.00 lakh. Execution of the work on this project is in progress. An expenditure of ₹3100.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 3100.00 lakh. An outlay of ₹ 400.02 lakh is proposed for the Annual Plan 2015-16. The project is likely to be completed in the year 2014-15 & provision in next the year 2015-16 is proposed to clear pending payment liabilities.

#### **Narmada FR Water Supply Project**

14.25 This project was prepared to provide safe drinking water to 441 villages & 2 towns of Jalore district. Total cost of the project is ₹ 30338.00 lakh. SPR Work (Infra) is almost completed & 22 main & 58 other habitations benefited through existing distribution system and pipeline work is under progress. An expenditure of ₹ 2999.99 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 2999.99 lakh. An outlay of ₹ 5462.04 lakh is proposed for the Annual Plan 2015-16. The project is likely to be completed in the year 2015-16.

#### **Tiwari Mathania Osian Project (NABARD-RIDF)**

14.26 This project was sanctioned to benefit 113 main and 285 other habitations with safe drinking water. Total cost of the project is ₹ 30515.00 lakh. The project work is being taken up in phases. Rajeev Gandhi Lift Canal is the source of water for the project. An expenditure of ₹ 4000.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 2500.00 lakh. An outlay of ₹ 1740.00 lakh is proposed for the Annual Plan 2015-16. Presently work of infrastructure work, cluster distribution work & village distribution works under 4 packages are under progress which are likely to be completed in the year 2015-16.

#### **Chambal Bhilwara Water Supply Project (NABARD-RIDF)**

14.27 This project was 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 from Chambal River near Bhainsroadgarh upstream of Jawahar Sagar as source. The estimated cost of the project is ₹ 72782.00 lakh. An expenditure of ₹ 16550.01 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 14050.00 lakh. An outlay of ₹ 7020.00 lakh is proposed for the Annual Plan 2015-16. The infrastructure work is under progress in 3 packages which is likely to be

completed in the year 2015-16 & work of re-organisation of UWSS of Bhilwara town is likely to be completed in the year 2016-17.

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

14.28 Nagda Anta Baldeopura Water Supply Project for supplying water to Anta town and 42 villages of Baran & Mangrol tehsil of Baran district from Baldeopura Dam on the Kali Sindh River with an estimated cost of ₹ 7168.00 lakh has been taken up. The project includes transmission main as well as distribution up to the town and proposed villages. An expenditure of ₹ 1655.96 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 1655.96 lakh. An outlay of ₹ 2751.29 lakh is proposed for the Annual Plan 2015-16. The work under this project is likely to be completed in the year 2015-16.

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

14.29 Borawas Padampura Water Supply Project was taken up for supplying drinking water to 44 villages and 18 dhanies of Kota district. Borawas-Padampura Scheme has been clubbed with another sanctioned scheme Nayagaon-Jagpura-Kasar using the existing structures of Akelgarh head works. Total cost of the project is ₹ 11800.00 lakh. 57 villages and 20 other habitations of Ladpur tehsil will also be benefited by this scheme. This project includes transmission main as well as distribution up to the proposed villages. An expenditure of ₹ 757.32 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 757.32 lakh. An outlay of ₹ 1466.05 lakh is proposed for the Annual Plan 2015-16.

#### **Cluster Distribution System of Jawai Pipeline Project (Phase-II), Part-A**

14.30 Takhtgarh town and 111 villages of Pali district are proposed to be covered under the project with Jawai Dam, as source. Total cost of the project is ₹ 19940.00 lakh. An expenditure of ₹ 5000.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 5000.00 lakh. An outlay of ₹ 1400.03 lakh is proposed for the Annual Plan 2015-16. The work under this project is likely to be completed in the year 2015-16.

#### **Madhvi Water Supply Project (NABARD-RIDF)**

14.31 This project was prepared for covering 32 villages and 3 dhanies and 50 per cent demand of village Dug of Gangdhar tehsil of District Jhalawar from Madhvi Dam. Total cost of the project is ₹ 3087.00 lakh. The project includes intake well, water treatment plant, pumping station, transmission main, distribution system and 10 years operation and maintenance of the works to be executed. An expenditure of ₹ 900.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 900.00 lakh. An outlay of ₹ 200.03 lakh is proposed for the Annual Plan 2015-16. The work under this project is likely to be completed in the



year 2014-15 & provision in next the year 2015-16 is kept for payment of pending payment liabilities.

**Bhimni Water Supply Project (NABARD-RIDF)**

14.32 This project was prepared for covering 30 villages and 14 dhanies of Pachpahar tehsil of Jhalawar district from Bhimni Dam. Total cost of the project is ₹ 3038.00 lakh. This project includes pumping machinery at the intake well, water treatment plant, pumping station, transmission main, distribution system and 10 years operation and maintenance of the works to be executed. An expenditure of ₹ 800.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 800.00 lakh. An outlay of ₹ 200.00 lakh is proposed for the Annual Plan 2015-16. The work under this project is likely to be completed in the year 2014-15 & provision in the year 2015-16 is kept for payment of pending payment liabilities.

**Ajmer-Peesangan Water Supply Project (NABARD-RIDF)**

14.33 This project was prepared to provide safe drinking water to 113 villages and 114 dhanies of Ajmer district with Bisalpur Dam, as source. The estimated cost of the project is ₹ 22134.00 lakh. An expenditure of ₹ 9149.23 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 9149.43 lakh. An outlay of ₹ 600.03 lakh is proposed for the Annual Plan 2015-16. The work under this project is likely to be completed in the year 2014-15 & provision in the year 2015-16 is kept for payment of pending payment liabilities.

**Bungi-Rajgarh Water Supply Project (NABARD-RIDF)**

14.34 This project was envisaged to provide safe drinking water to one town & 188 villages of Churu & Jhunjunu districts with IGNP, as source. The estimated cost of the project is ₹ 41564.00 lakh. An expenditure of ₹ 11900.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 6900.00 lakh. An outlay of ₹ 8486.18 lakh is proposed for the Annual Plan 2015-16. The work under this project is likely to be completed in the year 2015-16.

**Bisalpur Tonk Uniyara Deoli Project (NABARD-RIDF)**

14.35 This project was envisaged to provide safe drinking water to 2 towns & 436 villages of Tonk district with Bisalpur dam, as source. The estimated cost of the project is ₹ 54211.00 lakh. An expenditure of ₹ 4750.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 4750.00 lakh. An outlay of ₹ 1640.03 lakh is proposed for the Annual Plan 2015-16. The work of infrastructure package is likely to be completed in the year 2015-16 & cluster distribution package is likely to be completed in the year 2016-17.

### **Deeg-Nagar –Kaman-Pahari Pipeline Project**

14.36 This project was envisaged to provide safe drinking water to 4 towns & 635 villages of Bharatpur district with Chambal River, as source. The estimated cost of the project is ₹ 31149.00 lakh. An expenditure of ₹ 266.90 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 266.90 lakh. An outlay of ₹ 465.04 lakh is proposed for the Annual Plan 2015-16. The work order under this project has been rescinded & NIT has been re-invited.

### **Fatehpur-Laxmangarh Project (NABARD-RIDF)**

14.37 This project was envisaged to provide safe drinking water to 3 towns & 286 villages of Sikar district with IGNP, as source. The estimated cost of the project is ₹ 83200.00 lakh. An expenditure of ₹ 14962.95 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 11962.75 lakh. An outlay of ₹ 7259.41 lakh is proposed for the Annual Plan 2015-16. The work of infrastructure Package is almost completed & work of 4 cluster distribution packages is under progress & likely to be completed in the year 2016-17.

### **Rural Water Supply Scheme (RWSS) of 72 Villages of Nawa Tehsil**

14.38 This project was envisaged to provide safe drinking water to the 72 villages of Nagaur district with Bisalpur Dam, as source. The estimated cost of the project is ₹ 128.72 lakh. An expenditure of ₹ 4900.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 4900.00 lakh. An outlay of ₹ 100.01 lakh is proposed for the Annual Plan 2015-16. The work under this project is likely to be completed in the year 2014-15 & provision in the year 2015-16 is kept for payment of pending liabilities.

### **200 MLD Water Treatment Plant (WTP) at Surajpura Project**

14.39 This project was envisaged to enhance the capacity of WTP at Surajpura under Jaipur-Bisalpur water supply Project. The estimated cost of the project is ₹10700.00 lakh. An expenditure of ₹ 6645.65 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 6645.65 lakh. An outlay of ₹ 5398.00 lakh is proposed for the Annual Plan 2015-16. The work under this project is likely to be completed in the year 2015-16.

### **Nagaur Lift Project Phase-II (EAP-JICA)**

14.40 This project was envisaged to provide safe drinking water to 7 towns & 978 villages of Nagaur district with IGNP, as source. The estimated cost of the project is ₹ 293800.00 lakh. An expenditure of ₹ 6600.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 8800.00 lakh . An outlay of ₹ 66730.00 lakh is proposed for the Annual Plan 2015-16. Presently, tenders of 3 infrastructure packages

is under process of approval & work is likely to be awarded in the year 2015-16.

#### **Chambal to Bundi Link Transmission Main & Other Infrastructure**

14.41 This project was envisaged to provide safe drinking water to one town & 19 villages of Bundi district with Chambal River, as source. The estimated cost of the project is ₹ 7437.00 lakh. An expenditure of ₹ 1619.03 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 1619.03 lakh. An outlay of ₹ 820.03 lakh is proposed for the Annual Plan 2015-16. The work of infrastructure & cluster distribution package is under progress & likely to be completed in the year 2016-17.

#### **Narmada-Gudamalani Water Supply Project**

14.42 This project was envisaged to provide safe drinking water to 177 villages of Barmer district with Narmada River as source. The estimated cost of the project is ₹ 16000.00 lakh. An expenditure of ₹ 2500.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 2500.00 lakh. An outlay of ₹ 2120.00 lakh is proposed for the Annual Plan 2015-16. The work of infrastructure work of 177 villages is under progress & likely to be completed in the year 2016-17.

#### **Urban Water Supply Scheme, Jalore**

14.43 This project was envisaged to provide safe drinking water to 1 town of Jalore district with Narmada Canal, as source. The estimated cost of the project is ₹ 6220.00 lakh. An expenditure of ₹ 500.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 500.00 lakh. An outlay of ₹ 2200.00 lakh is proposed for the Annual Plan 2015-16. The work under this project is likely to be completed in the year 2015-16.

#### **Regional Water Supply Scheme for 199 Villages of Niwai & Tonk Tehsils**

14.44 This project was envisaged to provide safe drinking water to 199 villages of Tonk district with Bisalpur Dam, as source. The estimated cost of the project is ₹ 11288.00 lakh. An expenditure of ₹ 2000.01 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 2000.01 lakh. An outlay of ₹ 1458.00 lakh is proposed for the Annual Plan 2015-16. The work of cluster distribution work of 199 villages is under progress in 1 package & likely to be completed in the year 2016-17.

#### **Beawar Jawaja Cluster for 199 villages of Ajmer District**

14.45 This project was envisaged to provide safe drinking water to 199 villages of Ajmer district with Bisalpur Dam, as source. The estimated cost of the project is ₹ 23146.00 lakh. An expenditure of ₹ 3000.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 3000.00 lakh. An outlay of ₹ 1945.50 lakh is proposed for the Annual Plan

2015-16. The work of infrastructure & cluster distribution work is under progress in 1 package & likely to be completed in the year 2016-17.

#### **Chambal Bhilwara Cluster Project**

14.46 This project was envisaged to provide safe drinking water to 8 towns & 1688 villages of Bhilwara district with Chambal River, as source. The estimated cost of the project is ₹ 149568.00 lakh. An expenditure of ₹ 15400.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 15400.00 lakh. An outlay of ₹ 10400.00 lakh is proposed for the Annual Plan 2015-16. The work of cluster distribution system of 8 towns & 1688 villages is under progress in 8 packages & likely to be completed in the year 2016-17.

#### **Integrated Sikar-Jhunjhunu-Khetri WS Project**

14.47 This project was envisaged to provide safe drinking water to 5 towns & 271 villages of Jhunjhunu & Sikar districts with IGNP, as source. The estimated cost of the project is ₹ 95474.00 lakh. An expenditure of ₹ 16099.75 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 16099.75 lakh. An outlay of ₹ 9457.52 lakh is proposed for the Annual Plan 2015-16. The work of infrastructure package & cluster distribution work is under progress in 2 packages & likely to be completed in the year 2016-17.

#### **Chambal-Dholpur-Bharatpur Project, Ph-I, Part-II**

14.48 This project was envisaged to provide safe drinking water to 755 villages of Bharatpur district with Chambal River, as source. The estimated cost of the project is ₹ 72031.00 lakh. An expenditure of ₹ 3468.56 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 3468.56 lakh. An outlay of ₹ 1430.03 lakh is proposed for the Annual Plan 2015-16. The work of cluster distribution work of 755 villages is under progress in 3 packages & likely to be completed in the year 2016-17.

#### **Bisalpur Dudu Chaksu-Phagi-Bassi Water Supply Project**

14.49 This project was envisaged to provide safe drinking water to 638 villages of Jaipur district with Bisalpur Dam, as source. The estimated cost of the project is ₹ 77124.00 lakh. An expenditure of ₹ 7400.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 7400.00 lakh. An outlay of ₹ 5670.00 lakh is proposed for the Annual Plan 2015-16. The work of cluster distribution work of 638 villages is under progress in 3 packages & likely to be completed in the year 2016-17.

#### **RWSS Panchala Dhewra Chirai Water Supply Project**

14.50 This project was envisaged to provide safe drinking water to 59 villages of Jodhpur district with RGLC, as source. The estimated cost of the project is ₹ 39663.00 lakh. An expenditure of ₹ 2500.00 lakh is likely

to be incurred in the year 2014-15 against an outlay of ₹ 2500.00 lakh. An outlay of ₹ 2310.00 lakh is proposed for the Annual Plan 2015-16.

#### **Jawai Pali Pipeline Cluster Project, Ph-II, Part-B**

14.51 This project is envisaged to provide safe drinking water to 2 towns & 215 villages of Pali district with Jawai-Hemawas Dam, as source. The estimated cost of the project is ₹ 36696.00 lakh. An expenditure of ₹ 6702.26 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 6702.25 lakh . An outlay of ₹ 5612.03 lakh is proposed for the Annual Plan 2015-16. The work of cluster distribution work of 215 villages is under progress in 2 packages & likely to be completed in the year 2017-18.

#### **Narmada FR Cluster WS Project**

14.52 This project was envisaged to provide safe drinking water to 281 villages of Jalore district with Narmada Canal, as source. The estimated cost of the project is ₹ 50920.00 lakh. An expenditure of ₹ 1837.50 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 1837.50 lakh. An outlay of ₹ 1120.00 lakh is proposed for the Annual Plan 2015-16. The work of cluster distribution work of 281 villages is under progress in 1 package & likely to be completed in the year 2017-18.

#### **Narmada DR Cluster WS Project**

14.53 This project was envisaged to provide safe drinking water to 138 villages of Jalore district with Narmada Canal, as source. The estimated cost of the project is ₹ 26350.00 lakh. An expenditure of ₹ 1125.02 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 1125.02 lakh. An outlay of ₹ 696.00 lakh is proposed for the Annual Plan 2015-16. The work of cluster distribution work of 138 villages is under progress in 1 package & likely to be completed in the year 2016-17.

#### **RWSS Shiv Teh. of Barmer Distt. From Narmada**

14.54 This project was envisaged to provide safe drinking water to 345 villages of Barmer district with Narmada Canal, as source. The estimated cost of the project is ₹ 109211.00 lakh. The expenditure on this project under Border Areas is being done under XIII Finance Commission. An expenditure of ₹ 0.04 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 0.04 lakh . An outlay of ₹ 3240.00 lakh is proposed for the Annual Plan 2015-16. The work of infrastructure work & cluster distribution work of 345 villages is under progress in 1 package & likely to be completed in the year 2017-18.

#### **RWSS Bawari Kalan Khara Jaloda from Rajeev Gandhi Lift Canal (RGLC)**

14.55 This project was envisaged to provide safe drinking water to 43 villages of Jodhpur district with RGLC, as source. The estimated cost of

the project is ₹ 12081.00 lakh. An expenditure of ₹ 1500.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 1500.00 lakh. An outlay of ₹ 486.00 lakh is proposed for the Annual Plan 2015-16. The work of infrastructure work & cluster distribution work of 43 villages is under progress in 1 package & likely to be completed in the year 2016-17.

#### **RWSS Gathore-Kanasar-Bap from RGLC**

14.56 This project was envisaged to provide safe drinking water to 25 villages of Jodhpur district with RGLC, as source. The estimated cost of the project is ₹ 8895.00 lakh. An expenditure of ₹ 500.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 500.00 lakh. An outlay of ₹ 300.00 lakh is proposed for the Annual Plan 2015-16. The work of infrastructure work & cluster distribution work of 25 villages is under progress in 1 package & likely to be completed in the year 2016-17.

#### **RWSS 256 villages of Bhinmal Teh. & Bhinmal town (ER)**

14.57 This project was envisaged to provide safe drinking water to 1 town & 256 villages of Jalore district with Narmada Canal, as source. The estimated cost of the project is ₹ 45516.00 lakh. An expenditure of ₹ 3000.01 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 3000.01 lakh . An outlay of ₹ 1990.00 lakh is proposed for the Annual Plan 2015-16. The work of infrastructure work is under progress in 1 package & likely to be completed in the year 2016-17.

#### **Gagrin Water Supply Project**

14.58 This project was envisaged to provide safe drinking water to 321 villages of Jhalawar district with Gagreen Dam, as source. The estimated cost of the project is ₹ 25656.00 lakh. An expenditure of ₹ 3853.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 3853.00 lakh. An outlay of ₹ 1620.00 lakh is proposed for the Annual Plan 2015-16. The work of infrastructure work & cluster distribution work of 321 villages is under progress in 1 package & likely to be completed in the year 2016-17.

#### **Piplad Water Supply Project**

14.59 This project was envisaged to provide safe drinking water to 2 towns & 14 villages of Jhalawar district with Piplad Dam as source. The estimated cost of the project is ₹ 3284.00 lakh. An expenditure of ₹ 1100.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 1100.00 lakh. An outlay of ₹ 1499.00 lakh is proposed for the Annual Plan 2015-16. The work of infrastructure work & cluster distribution work of 14 villages is under progress in 1 package & likely to be completed in the year 2015-16.

### **Baran Cluster Water Supply Project**

14.60 This project was envisaged to provide safe drinking water to 50 villages of Baran district with Parwati River, as source. The estimated cost of the project is ₹ 6976.00 lakh. An expenditure of ₹ 0.07 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 0.07 lakh. An outlay of ₹ 224.00 lakh is proposed for the Annual Plan 2015-16. The work order this project has been rescinded & tenders has been re-invited & work order is likely to be awarded in the year 2015-16.

### **Banswara Water Supply Project**

14.61 This project was envisaged to provide safe drinking water to 82 villages of Banswara district with Mahi Dam, as source. The estimated cost of the project is ₹ 14100.00 lakh. An expenditure of ₹ 2500.00 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 2500.00 lakh. An outlay of ₹ 1930.00 lakh is proposed for the Annual Plan 2015-16. The work of infrastructure work & cluster distribution work of 82 villages is under progress in 1 package & likely to be completed in the year 2016-17.

### **Banswara-Pratapgarh Water Supply Project**

14.62 This project was envisaged to provide safe drinking water to 334 villages of Banswara & Pratapgarh districts with Surwaniya Dam, as source. The estimated cost of the project is ₹ 56000.00 lakh. An expenditure of ₹ 5053.05 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 5053.05 lakh. An outlay of ₹ 3707.20 lakh is proposed for the Annual Plan 2015-16. The work of infrastructure work & cluster distribution work of 334 villages is under progress in 1 package & likely to be completed in the year 2016-17.

### **Barmer Lift Canal Project Phase-II Part-B**

14.63 This project was envisaged to provide safe drinking water to 68 villages of Barmer district with IGNP, as source. The estimated cost of the project is ₹ 12500.00 lakh. An expenditure of ₹ 2300.03 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 2300.03 lakh. An outlay of ₹ 810.00 lakh is proposed for the Annual Plan 2015-16. The work of cluster distribution work of 68 villages is under progress in 01 package & likely to be completed in the year 2016-17.

### **Barmer Lift Canal Project Phase-II Part-C&D**

14.64 This project was envisaged to provide safe drinking water to 448 villages of Barmer & Jaisalmer districts with RGLC, as source. The estimated cost of the project is ₹ 115127.00 lakh. An amount of ₹ 2120.00 lakh is proposed for the year 2015-16 & work order is also likely to be awarded in the year 2015-16.

### **RWSS of 38 villages of Bhainsroadgarh tehsil of Chittorgarh district**

14.65 This project was envisaged to provide safe drinking water to 38 villages of Chittorgarh district with Chambal, as source. The estimated cost of the project is ₹ 5073.00 lakh. In the year 2015-16 only token provision has been proposed.

14.66 Following Projects are being implemented by NABARD loan, sanctioned up to March, 2014 under RIDF, in addition of funds under NRDWP and State Share:

**Table No. 14.3  
Progress of RIDF Projects, sanctioned upto March 2014**

(₹ in Lakh)

| <b>Sr. No.</b> | <b>Project Name</b>                             | <b>Project Cost</b> | <b>NABARD Loan</b> | <b>Eligible Exp. Up to March, 2014</b> | <b>Budget outlay in the year 2014-15</b> | <b>Proposed outlay in the year 2015-16</b> |
|----------------|---|---------------------|--------------------|--|--|--|
| 1              | Dang Area Project                               | 10686.00            | 7657.00            | 7604.71                                | 31.5                                     | 0.01                                       |
| 2              | Matasukh Farod Jayal                            | 15017.64            | 12765.00           | 13737.65                               | 0.01                                     | 0.01                                       |
| 3              | Manakalao-Dantiwara - Jodhpur                   | 30800.00            | 13743.2            | 13712.06                               | 1900.00                                  | 1500.00                                    |
| 4              | Dewas II Project - Udaipur                      | 37918.00            | 26890.57           | 30817.85                               | 700.00                                   | 0.02                                       |
| 5              | Manaklao-Khangata - Jodhpur                     | 11051.00            | 8615               | 8886.14                                | 0.00                                     | 0.01                                       |
| 6              | Keru-Bheru - Jodhpur                            | 3200.00             | 2422.07            | 2253.04                                | 0.01                                     | 0.01                                       |
| 7              | Tiwari-Mathana-Osian - Jodhpur                  | 43006.00            | 25937.74           | 10644.55                               | 3200.00                                  | 1240.00                                    |
| 8              | Chambal-Dholpur-Bharatpur                       | 55767.00            | 13040.49           | 11821.72                               | 1000.00                                  | 1240.00                                    |
| 9              | Narmada FR - Jalore                             | 38000.00            | 9115.4             | 8453.59                                | 2000.00                                  | 5103.04                                    |
| 10             | Dudu Bisalpur Project                           | 67887.00            | 17411.38           | 16458.31                               | 4025.00                                  | 0.01                                       |
| 11             | Aapni Yojana Phase-II Ratangarh-Sujangarh-Churu | 80600.00            | 21675.00           | 10850.19                               | 14550.00                                 | 6396.84                                    |
| 12             | Rewa WSP - Jhalawar                             | 6600.00             | 3955.00            | 3962.55                                | 400.00                                   | 167.00                                     |
| 13             | Bungi Rajgarh WSP                               | 41564.00            | 10978.00           | 5243.26                                | 8650.00                                  | 6000.00                                    |
| 14             | Fatehpur Laxmangarh WSP                         | 83200.00            | 27974.00           | 13480.84                               | 9613.00                                  | 4650.00                                    |
| 15             | Chambal Bhilwara WSP                            | 72799.00            | 20000.00           | 13418.02                               | 10550.00                                 | 620.00                                     |
| 16             | Bisalpur Tonk Uniyara WSP                       | 54211.00            | 9848.85            | 3463.64                                | 2400.00                                  | 1400.00                                    |
| 17             | Nagaur Lift Package - III                       | 76100.00            | 10403.00           | 2447.66                                | 5450.00                                  | 1700.00                                    |
| 18             | Nagaur Lift Package - IV                        |                     | 5941.00            | 1397.99                                |  |  |
| 19             | Bheemni Water Supply Project                    | 3080.00             | 1113.00            | 775.60                                 | 500.00                                   | 100.00                                     |



| Sr. No. | Project Name                   | Project Cost    | NABARD Loan      | Eligible Exp. Up to March, 2014 | Budget outlay in the year 2014-15 | Proposed outlay in the year 2015-16 |
|---------|--------------------------------|-----------------|------------------|---------------------------------|-----------------------------------|-------------------------------------|
| 20      | Madhavi Water Supply Project   | 3087.00         | 1108.00          | 778.26                          | 600.00                            | 0.01                                |
| 21      | Gajner Lift Project            | 9600.00         | 3713.00          | 1457.06                         | 1400.00                           | 0.01                                |
| 22      | Kolyat Lift Project            | 10600.00        | 5554.00          | 1888.86                         | 1800.00                           | 1175.00                             |
| 23      | FCP Ajmer-Peesangan:           | 22391.00        | 2337.97          | 2413.55                         | 934.00                            | 0.01                                |
| 24      | Pokahran-falsood-Barmer Part-I | 145420.00       | 34372.47         | 21392.69                        | 10500.00                          | 6200.00                             |
| 25      | Pokaran Falsoond Part II       |                 | 35541.00         | 10808.24                        |                                   |                                     |
|         | <b>Total</b>                   | <b>22584.64</b> | <b>332112.14</b> | <b>218168.00</b>                | <b>80253.50</b>                   | <b>37471.97</b>                     |

### Central Assistance Project:

14.67 National Rural Drinking Water Project: To meet the emerging challenge in the rural drinking water sector to availability, sustainability and quality, the component under the programme are NRDWP(Coverage), NRDWP (Sustain-ability), NRDWP (Water Quality), NRDWP(DDP areas), NRDWP (Natural Calamity) and NRDWP( support). Criteria for State wise allocation of NRDWP funds are given under:

**Table No. 14.4**

| S.no | Criterion   | Weightage in % |
|------|---|----------------|
| 1    | Total Rural Population  | 40             |
| 2    | Rural SC and ST Population 2001 Census                                | 10             |
| 3    | Rural Population managing drinking water supply schemes               | 10             |
| 4    | State under DDP, DPAP, HADP and special category Hill States in India | 40             |

14.68 Under various schemes of NRDWP, an expenditure of ₹ 158760.69 lakh is likely to be incurred in the year 2014-15 against an outlay of ₹ 173984.30 lakh, out of which ₹ 133249.20 lakh has been received from GoI. An outlay of ₹ 293709.21 lakh is proposed for the year 2015-16, out of which ₹ 127924.15 lakh is central share.