# Status Report on Drinking Water Quality in Urban Towns of Rajasthan 2022-23

PHED, Rajasthan

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सत्यमेव जयते

अतिरिक्त मुख्य सचिव
जनस्वास्थ्य अभियांत्रिकी एवं भूजल विभाग
राजस्थान सरकार
Additional Chief Secretary
Public Health Engineering &
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Government of Rajasthan

## Message

Rajasthan is the largest state of the country which covers 10.4 percent of the total geographical area. The state has 1.16 percent of the total available surface water. The worsening water balance in Rajasthan, has resulted in the ever increasing numbers of blocks under the category of over-exploited. In the year 2022, the blocks under over-exploited category has gone up to 219 out of the total 302 blocks. Only 38 blocks are in the safe category, 22 are critical, 20 in semi-critical and 3 blocks are in saline category.

Potable water is the basic necessity of every human being. Providing safe drinking water to every household is the top priority of the state government. Under Jal Jeevan Mission (JJM), water quality testing and surveillance is being done through H2S Vials, Field Test Kits and by district laboratories.

Looking at the depleting ground water level, Public Health Engineering Department is making consistent efforts to shift on surface water sources from the ground water. The department is leaving no stone unturned for improving water quality and to ensure safe drinking water.

I am glad that a Status Report on 'Drinking Water Quality in Urban Towns of Rajasthan 2022-23' is being brought out by the Public Health Engineering Department, Rajasthan. The report has been prepared after detailed water quality survey and data analysis of status of water quality in urban areas of Rajasthan.

I congratulate Chief Chemist, PHED Shri H. S. Devenda and the entire team for preparing this valuable document. I am thankful to UNICEF for providing technical support.

I am sure that this report will help our field officers, scientists, water quality experts, chemists and other stakeholders for better planning to ensure access of clean and potable water.

(Dr. Subodh Agarwal) 29/05/23

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# Preface

It is a great opportunity with, Public Health and Engineering Department (PHED), Government of Rajasthan to release the report on **"Drinking Water Quality status in Urban Towns of Rajasthan 2022-23".**

The report is an outcome of efforts made by the department to ensure persistent supply of safe drinking water (as per BIS norms) and in prescribed quality norms in urban towns of the state.

Urbanization has undergone an accelerated increase in the past couple of decades. Cities and towns attract the public due to economic growth and opportunities for their development in life. As the population grows in cities, the burden on resources also increases. Increase in migration from rural to urban areas has resulted in increase of population and thereby an increase in areas of town in need of basic amenities like home food and drinking water etc. This situation has been putting enormous pressure on State exchequers to fulfill the increased need and to mitigate service problems and felt the necessity of urban planning, management and governance, particularly with respect to safe drinking water supply & hygienic sanitation facilities.

All the 235 urban cities/ towns of the state including 33 district headquarters are fully covered with Tap connections piped water supply schemes. 28 percent towns are based on surface sources and 50 percent towns depend on ground water sources. Rest 22 percent towns are connected with surface sources and ground water. All 7 major cities with divisional headquarters are connected with surface sources. In last few decades due to less rainfall in the state underground water has depleted drastically, resulting in decrease in yield of underground sources and deterioration in water quality.

According to this report, 176 towns have potable water supply, 48 towns have partially - potable and remaining 11 towns have not potable water supply which needs to be connected with surface sources State Govt has made tremendous efforts in last 15 years to address and improve the water quality status in urban areas by shifting towns from underground sources to surface sources.

The report indicates that 103 towns are well within the desirable limits of BIS whereas 73 towns are within the maximum Permissible limits of BIS specifications with fraction of desirable & max. Permissible potable supply is 59 % and 41 % respectively.

I congratulate the PHED lab team with team leader Sh. H.S Devenda Chief Chemist on release of this valuable document which been prepared by continuous compiling and analyzing the data. I am confident that the outcome of the report will definitely help all stakeholders in addressing the water quality issues in urban areas of the state of Rajasthan.

**(K.D. Gupta)**
Chief Engineer Urban & NRW,
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**Jaipur**
Date : 29.05.2023

# Acknowledgement

We consider it a unique opportunity to express our heartfelt gratitude to Dr. Subodh Agarwal, IAS, ACS, PHED, GoR for being a constant source of inspiration and for providing us with the opportunity to prepare the analysis of drinking water quality in urban towns of Rajasthan.

We would also like to extend our appreciation to our esteemed technical partner, UNICEF, with a special acknowledgment to Mr. Nanak Kumar Santdasani, WASH officer. His consistent motivation and guidance have been instrumental in strengthening systems to ensure access to safe water for communities across the state through the adoption of the water safety Cycle approach, in alignment with the Nirogi Rajasthan initiative.

Furthermore, we are deeply grateful to Dr. S. S. Dhindsa, former Chief Chemist of PHED, Rajasthan, for his invaluable guidance in the field of water quality. We also acknowledge the valuable contributions of Dr. Pawan Labhsetwar from NEERI and the coordination and support provided by INREM, both collaborative partners of UNICEF.

We extend our thanks to the members of the PHED laboratory team for their inspiring and unwavering support, as well as to all the district chemists and technical staff involved in the preparation of this report. Special appreciation goes to Mrs. Seema Gupta (Superintending Chemist, Heavy Metal), Mrs. Sunita Yadav (Senior Chemist), Dr. Shahla Alam (Senior Chemist), Mr. Sharad Shrivastava (Junior Chemist) & Mr. Hukam Singh Rajpurohit (State Consultant - WQ).

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Chief Chemist
PHED, Rajasthan

**Jaipur**
Date : 29.05.2023

# INDEX

# DRINKING WATER QUALITY STATUS

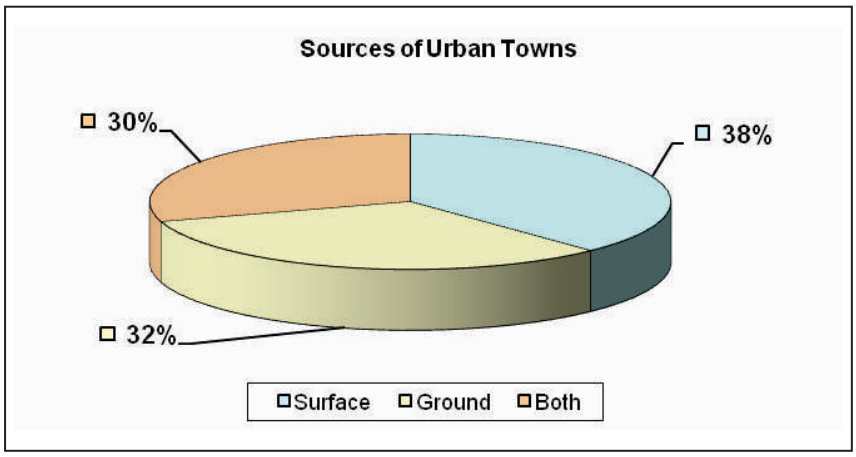
**Introduction**: - Water is an essential element of the evolution of life and its sustainment. To provide a safe and adequate quantity of it to the urban and rural community is one of the important tasks of a welfare state. Safe and well-planned water supply is a vital element of our social infrastructure. The importance of safe water supply is to understood almost at all the levels in the national scenario. Yet, it is to be admitted that the organized safe water supply is not available to total population. The main path ways of contamination of surface water bodies and ground water are natural geographical and geochemical, agricultural run off, industrial effluent deteriorating environmental conditions, rapid pace of urbanization, dwindling availability of water sources, design of treatment plant, water production & distribution system and the O & M services. Therefore, all our scientists and Public Health Engineers should be abreast of the quality of drinking water and its control and monitoring in the distribution systems.

Rajasthan is the largest state of India, comprising of 342,239 sq. kms. land areas, which is 10.41% of the country's area. Rajasthan has historically been a water deficient state and the recurrence of droughts in alternate years and some times continuously one after another, has posed a great challenge on Public Health Engineering Department to provide drinking water to the state population. Many areas have become severely water stressed due to over exploitation of the limited ground water. The ground water level is falling fast due to increasing gap between withdrawal and recharge. Many facts are involved in tackling the problem of providing safe and adequate water supplies to all communities, economically & expeditiously. The water supply may vary both in quality and quantity and in the degree of treatment required. Therefore surveillance & monitoring of water supply is required, which is a mechanism to identity the problem and significant information could be made in terms of both quality & quantity.

**Status of Urban Water Supply System**: - In the year 2022-23, urbanization followed by industrial and agricultural development has led to change in life style and availability of better quality of services and amenities for the increasing population. However, the high rate of continuing migration from rural to urban areas has been putting enormous pressure on the urban areas, causing service problem of urban planning, management and governance, particularly with respect to safe drinking water supply & hygienic sanitation facilities.

All the urban towns of the state are fully connected with piped water supply schemes. The supply is met both by surface or underground water sources and in some towns by both. The number of towns where water is supplied from surface, under ground and by both are respectively 89, 76 and 70. Thus 38% towns are being supplied with surface water, 30% with underground water and 32% towns are covered by both, as shown below:-

| S. No. | Type of Sources | No. of Urban Towns |
|---|---|---|
| 1 | Surface | 89 |
| 2 | Under Ground | 76 |
| 3 | Both | 70 |
| **Total** | | **235** |



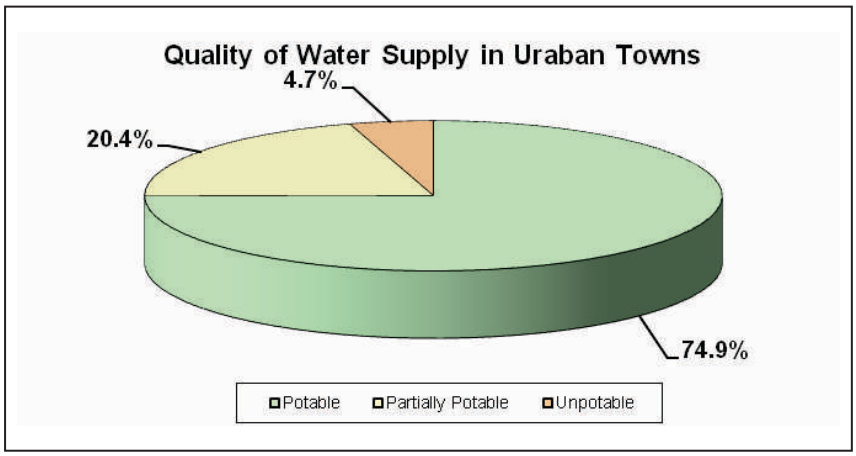

The present scale of Water supply / day to urban population is inadequate and not all communities are provided with safe water supply. The situations may reach an alarming stage in coming years due to drastic demographic increase and growth of large cities/towns. Consolidated District-wise details of Urban Water Supply Schemes is presented at Table No. 1.

**Drinking Water Quality Standards & Status**: - The Bureau of Indian Standards specifications IS:10500-2012 governs the quality of drinking water supplies in India. BIS has specified two types of limit (1) acceptable limits (2) maximum permissible limits in absence of any alternate source. Some selected routine chemical parameters were examined for quality surveillance of urban towns but for quality assessment only three parameters namely Total Dissolved Solids, fluoride and nitrate were taken into consideration. The Acceptable BIS limits

for Fluoride, Nitrate & Total Dissolved Solids are 1.0, 45 & 500 mg/l whereas maximum permissible limits for the same is 1.5, 45 & 2000 mg/l respectively, beyond that the water is un-potable. Based on it the urban water supply is classified in to different categories, details presented in Table 2.

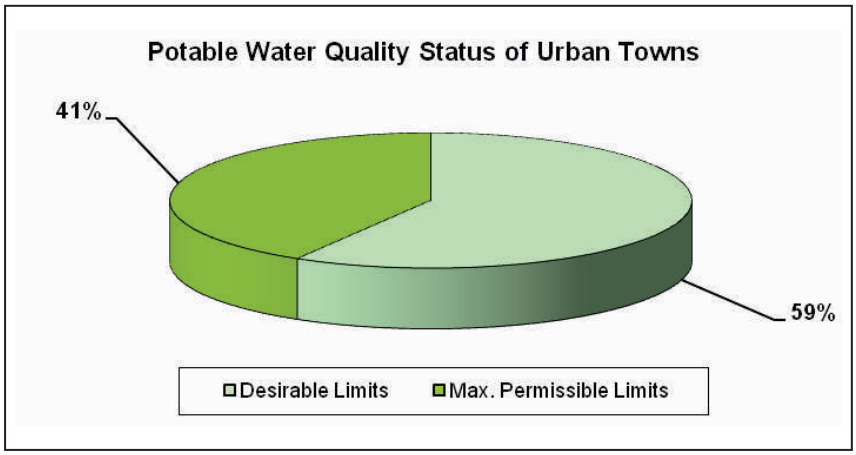
**Water Quality Status**: - It was revealed that 176 urban towns have potable water supply, 48 towns have partially potable and remaining 11 towns have un-potable water supply. Percentagewise it is 74.9%, 20.4% and 4.7% respectively.

| Sr. No. | Category | No. of Urban Towns |
|---|---|---|
| 1 | Potable | 176 |
| 2 | Partially Potable | 48 |
| 3 | Un-potable | 11 |



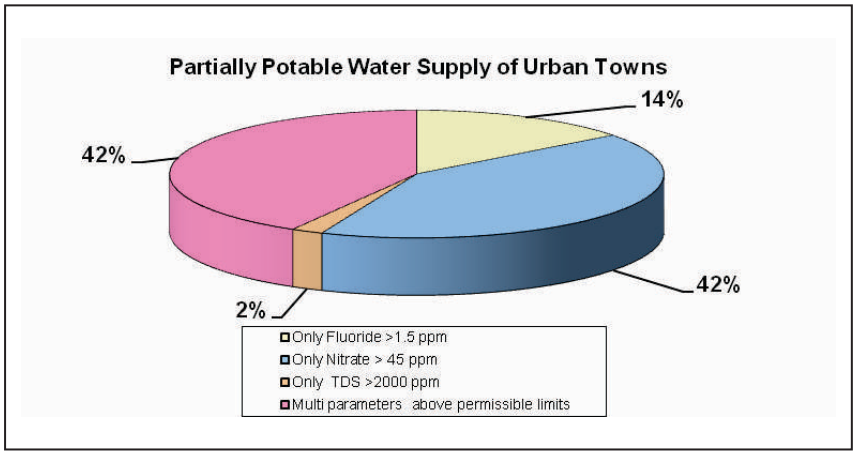

**Status of Potable Water Supply**: - The quality data indicates that 103 towns are well within the acceptable limits of BIS whereas 73 towns are within the max. permissible limits of BIS specifications. The percent fraction of acceptable & maximum permissible limit potable supply is 59% and 41% respectively.

| S. No. | Potable | No. of Urban Towns |
|---|---|---|
| 1 | Acceptable Limits | 103 |
| 2 | Max. Permissible Limits | 73 |



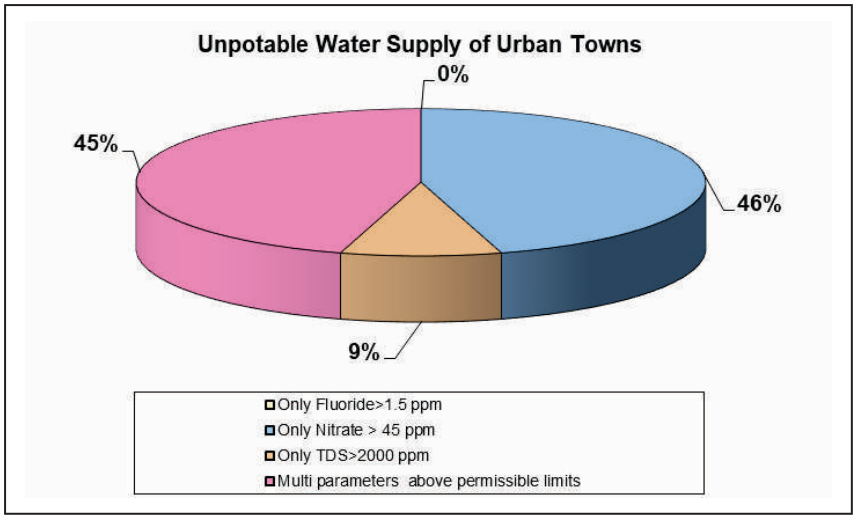

**Status of Partially Potable Water Supply**: - There are 48 urban towns where some part of the towns, have potable supply and another part getting un-potable supply. The unpotability may be due to only high fluoride, only high nitrate or only Total Dissolved Solids high or due to multiparameters above permissible limits. 7 towns (14%) have partially potable supply due to only high fluoride, 20 towns (42%) due to only high nitrate. 1 towns (2%) having only high Total Dissolved Solids and remaining 20 towns (42%) are having multiparameters above permissible limits. The status is graphically shown below.

| S. No. | Partially Potable due to | No. of Urban Towns |
|---|---|---|
| 1 | Only Fluoride >1.5 mg/l | 7 |
| 2 | Only Nitrate > 45 mg/l | 20 |
| 3 | Only TDS >2000 mg/l | 1 |
| 4 | Multiparameters above permissible limits | 20 |



**Status of Unpotable Urban Water Supply**: - 11 towns are not having quality of water supply as per BIS standards prescribed for maximum permissible limits. Detailed status is graphically shown below:-

| S. No. | Un-potable due to | No. of Urban Towns |
|---|---|---|
| 1 | Only Fluoride>1.5 mg/l | 0 |
| 2 | Only Nitrate > 45 mg/l | 5 |
| 3 | Only TDS>2000 mg/l | 1 |
| 4 | Multiparameters above permissible limits | 5 |




1. **Fluoride: -** No any towns is having only fluoride problematic towns (fluoride more than 1.5 mg/l). Thus only 0% of the total problematic towns are affected with only high fluoride problem.
2. **Nitrate: -** 5 Towns namely, Bhiwadi, Khairthal, Navalgarh, Surajgarh & Chirawa are having only nitrate more than 45 mg/l. Thus only 46% of the total problematic towns are affected with only high nitrate problem.

3. **Total Dissolved Solids: -** The number of only Total Dissolved Solids problematic town (TDS more than 2000 mg/l) is only 1, which is 9% of the total problematic towns, Govindgarh is affected with only high Total Dissolved Solids.

4. **Multiple Parameters Problematic**: - Water supplied of 5 towns have Multiparameters above permissible limits. Which is 45% of the total problematic towns. Nadbai, Ratan Nagar, Fatehpur Shekhawati, Ramgarh Shekawati & Losal belongs to this category.

   District-wise water quality status of individual town is shown categorically in Table-3.

**NOTE: -**

(i) The Term Un-potable indicates that the concentration of the desired parameters are beyond maximum permissible limits as specified in **BIS : 10500 – 2012**

(ii) Town-wise details of the individual urban town water supply system is in on going pages.

(iii) Source of the data – All PHED Laboratories of Rajasthan.

## TABLE - 1

| S. No. | Name of District | Total No. of Town | No. of Towns with | | |
|---|---|---|---|---|---|
| | | | Surface Source | Under Ground Source | Surface + Under Ground Source |
| 1 | Ajmer | 11 | 11 | 0 | 0 |
| 2 | Alwar | 9 | 0 | 9 | 0 |
| 3 | Banswara | 3 | 0 | 0 | 3 |
| 4 | Baran | 8 | 2 | 0 | 6 |
| 5 | Barmer | 2 | 2 | 0 | 0 |
| 6 | Bharatpur | 10 | 4 | 5 | 1 |
| 7 | Bhilwara | 9 | 8 | 1 | 0 |
| 8 | Bikaner | 4 | 0 | 2 | 2 |
| 9 | Bundi | 9 | 1 | 5 | 3 |
| 10 | Chittorgarh | 7 | 1 | 5 | 1 |
| 11 | Churu | 10 | 4 | 0 | 6 |
| 12 | Dausa | 4 | 0 | 3 | 1 |
| 13 | Dholpur | 3 | 1 | 2 | 0 |
| 14 | Dungarpur | 3 | 0 | 1 | 2 |
| 15 | Hanumangarh | 6 | 5 | 0 | 1 |
| 16 | Jaipur | 17 | 2 | 13 | 2 |
| 17 | Jaisalmer | 2 | 2 | 0 | 0 |
| 18 | Jalore | 3 | 0 | 0 | 3 |
| 19 | Jhalawar | 9 | 9 | 0 | 0 |
| 20 | Jhunjhunu | 12 | 0 | 7 | 5 |
| 21 | Jodhpur | 4 | 1 | 0 | 3 |
| 22 | Karauli | 3 | 0 | 3 | 0 |
| 23 | Kota | 11 | 9 | 1 | 1 |
| 24 | Nagaur | 17 | 17 | 0 | 0 |
| 25 | Pali | 11 | 5 | 0 | 6 |
| 26 | Pratapgarh | 3 | 2 | 1 | 0 |
| 27 | Rajsamand | 4 | 0 | 2 | 2 |
| 28 | S. madhopur | 4 | 1 | 3 | 0 |
| 29 | Sikar | 9 | 0 | 9 | 0 |
| 30 | Sirohi | 5 | 1 | 3 | 1 |
| 31 | Sri Ganganagar | 10 | 0 | 0 | 10 |
| 32 | Tonk | 6 | 1 | 0 | 5 |
| 33 | Udaipur | 7 | 0 | 1 | 6 |
| **Total** | | **235** | **89** | **76** | **70** |

## TABLE - 2

| S. No. | Name of District | Total No. of Town | No. of Towns with | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Potable water supply | | Partially Potable water supply | | | | Unpotable water supply | | | |
| | | | Acceptable Limits | Max. permissible Limits | Only F- > 1.5 ppm | Only TDS>2000 ppm | Only NO3 > 45 ppm | Multiparameters above permissible limits | Only F- > 1.5 ppm | Only TDS>2000 ppm | Only NO3 > 45 ppm | Multiparameters above permissible limits |
| **1** | Ajmer | **11** | 11 | - | - | - | - | - | - | - | - | - |
| 2 | Alwar | **9** | - | 2 | - | - | 3 | 1 | - | 1 | 2 | - |
| 3 | Banswara | **3** | 2 | 1 | - | - | - | - | - | - | - | - |
| 4 | Baran | **8** | 2 | 5 | - | - | 1 | - | - | - | - | - |
| 5 | Barmer | **2** | 2 | - | - | - | - | - | - | - | - | - |
| 6 | Bharatpur | **10** | 2 | 4 | - | - | 2 | 1 | - | - | - | 1 |
| 7 | Bhilwara | **9** | 9 | - | - | - | - | - | - | - | - | - |
| 8 | Bikaner | **4** | - | 1 | - | - | 1 | 2 | - | - | - | - |
| 9 | Bundi | **9** | 2 | 5 | - | - | - | 2 | - | - | - | - |
| 10 | Chittorgarh | **7** | - | 7 | 0 | - | - | - | - | - | - | - |
| 11 | Churu | **10** | 5 | 2 | - | - | - | 2 | - | - | - | 1 |
| 12 | Dausa | **4** | - | 1 | 1 | - | 1 | 1 | - | - | - | - |
| 13 | Dholpur | **3** | 1 | 2 | - | - | - | - | - | - | - | - |
| 14 | Dungarpur | **3** | - | 3 | - | - | - | - | - | - | - | - |
| 15 | Hanumangarh | **6** | 5 | 1 | - | - | - | - | - | - | - | - |
| 16 | Jaipur | 17 | 2 | 6 | 3 | - | 5 | 1 | - | - | - | - |
| 17 | Jaisalmer | **2** | 1 | 1 | - | - | - | - | - | - | - | - |
| 18 | Jalore | **3** | - | 1 | - | - | - | 2 | - | - | - | - |
| 19 | Jhalawar | **9** | 6 | 3 | - | - | - | - | - | - | - | - |
| 20 | Jhunjhunu | **12** | 2 | 1 | - | - | 4 | 2 | - | - | 3 | - |
| 21 | Jodhpur | **4** | 3 | 1 | - | - | - | - | - | - | - | - |
| 22 | Karauli | **3** | - | 2 | - | - | - | 1 | - | - | - | - |
| 23 | Kota | **11** | 7 | 3 | - | - | 1 | - | - | - | - | - |
| 24 | Nagaur | **17** | 17 | - | - | - | - | - | - | - | - | - |
| 25 | Pali | **11** | 5 | 3 | 1 | - | 1 | 1 | - | - | - | - |
| 26 | Pratapgarh | **3** | 2 | 1 | - | - | - | - | - | - | - | - |
| 27 | Rajsamand | **4** | 1 | 1 | 1 | - | 1 | - | - | - | - | - |
| 28 | S. madhopur | **4** | - | 4 | - | - | - | - | - | - | - | - |
| 29 | Sikar | **9** | - | 2 | - | - | - | 4 | - | - | - | 3 |
| 30 | Sirohi | **5** | 1 | 3 | 1 | - | - | - | - | - | - | - |
| 31 | Sri Ganganagar | **10** | 9 | 1 | - | - | - | - | - | - | - | - |
| 32 | Tonk | **6** | 4 | 1 | - | 1 | - | - | - | - | - | - |
| 33 | Udaipur | **7** | 2 | 5 | - | - | - | - | - | - | - | - |
| | **Total** | **235** | **103** | **73** | **7** | **1** | **20** | **20** | **0** | **1** | **5** | **5** |

# TABLE - 3

## Water Quality Status of Urban Towns

| S. No. | Name of the Districts | Total No. of Urban Towns | Potable | | Partially Potable | | | | Unpotable | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Acceptable Limits | Maximum Permissible Limits | Only Fluoride >1.5 | Only TDS>2000 | Only Nitrate>45 | Multiparameters above permissible Limits | Only Fluoride >1.5 | Only TDS>2000 | Only Nitrate>45 | Multiparameters above permissible Limits |
| 1 | AJMER | **11** | (11) Ajmer, Kekri, Nasirabad, Beawar, Kishangarh, Bijainagar, Sarwad , Pushkar, Badliya, Baral, Boraj-Kazipura | - | - | - | - | - | - | - | - | - |
| 2 | ALWAR | **9** | - | (2) Alwar, Behror | - | - | (3) Rajgarh, Tizara, Kishangarh Bas | ( 1) Kherli | - | (1) Govindgarh | (2) Bhiwadi, Khairthal | - |
| 3 | BANSWARA | **3** | (2)Banswara, Kushalgarh, | (1) Paratapur | - | - | - | - | - | - | - | - |
| 4 | BARAN | **8** | (2) Baran, Chhipa Borad | (5) Anta, Atru, Kawai, Kherliganj, Mangrol | - | - | (1) Chhabra | - | - | - | - | - |
| 5 | BARMER | **2** | (2) Barmer, Balotra | - | - | - | - | - | - | - | - | - |
| 6 | BHARATPUR | **10** | (2) Bharatpur, Kumher | (4) Deeg, Nagar, Roopbas, Weir | - | - | (2) Bayana, Bhusawar | (1) Kama | - | - | - | (1) Nadbai |

| S. No. | Name of the Districts | Total No. of Urban Towns | Potable | | Partially Potable | | | | Unpotable | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Acceptable Limits | Maximum Permissible Limits | Only Fluoride >1.5 | Only TDS>2000 | Only Nitrate>45 | Multiparameters above permissible Limits | Only Fluoride >1.5 | Only TDS>2000 | Only Nitrate>45 | Multiparameters above permissible Limits |
| 7 | BHILWARA | **9** | (9) Bhilwara, Bijolia, Gangapur, Gulabpura, Mandalgarh, Shahpura, Asind, Hammirgarh, Jahazpur | - | - | - | - | - | - | - | - | - |
| 8 | BIKANER | **4** | - | (1) Deshnokh, | - | - | (1) Dungargarh | (2) Bikaner, Nokha | - | - | - | - |
| 9 | BUNDI | **9** | (2) Budhapura, Lakheri | (5) Bundi, Nainwa , Indergarh, Talera, Sumerganj Mandi | - | - | - | (2) K. patan, Kapren | - | - | - | - |
| 10 | CHITTORGARH | **7** | - | (7) Chittorgarh, Begun, Sawa, Nimbaheda, Badi Sadri, Rawat Bhata, Kapasan | - | - | - | - | - | - | - | - |
| 11 | CHURU | **10** | (5) Sujangarh, Rajgarh, Taranagar, Chhapar, Sardarshahar | (2) Bidasar, Rajadelsar | - | - | - | (2) Churu, Ratangarh | - | - | - | (1) Ratan Nagar |
| 12 | DAUSA | **4** | - | (1) Lalsot | (1)Mahuwa | - | (1) Bandikui | (1) Dausa | - | - | - | - |
| 13 | DHOLPUR | **3** | (1) Bari | (2) Rajakhera, Dholpur | - | - | - | - | - | - | - | - |

| S. No. | Name of the Districts | Total No. of Urban Towns | Potable | | Partially Potable | | | | Unpotable | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Acceptable Limits | Maximum Permissible Limits | Only Fluoride >1.5 | Only TDS>2000 | Only Nitrate>45 | Multiparameters above permissible Limits | Only Fluoride >1.5 | Only TDS>2000 | Only Nitrate>45 | Multiparameters above permissible Limits |
| 14 | DUNGARPUR | **3** | - | (3) Galiyakot, Sagwara, Dungarpur | - | - | - | - | - | - | - | - |
| 15 | HANUMANGARH | **6** | (5) Sangaria , Nohar , Bhadra , Rawatsar, Pilibanga | (1) Hanumangarh, | - | - | - | - | - | - | - | - |
| 16 | JAIPUR | **17** | (2) Manoharpur, Dudu | (6) Chaksu, Sambhar, Phagi, Bagru, Kanota, Jobner | (3) Chomu, Phulera, Shahpura, | - | (5) Bassi, J. Ramgarh, Kotputali, Jaipur City, Kishangarh Renwal | (1) Virat Nagar | - | - | - | - |
| 17 | JAISALMER | **2** | (1) Pookaran | (1) Jaisalmer | - | - | - | - | - | - | - | - |
| 18 | JALORE | **3** | - | (1) Sanchor | - | - | - | (2) Jalore, Bhinmal | - | - | - | - |
| 19 | JHALAWAR | **9** | (6) Jhalrapatan, Manoharthana, Pirawa, Khanpur, Bhawani Mandi, Aklera | (3 )Jhalawar, Chomehlla, Sunel | - | - | - | - | - | - | - | - |
| 20 | JHUNJHUNU | **12** | (2) Gothra, Khetri, | (1) Udaipurwati | - | - | (4) Mukundgarh, Mandawa, Bagar, Pilani | (2) Jhunjhunu, Bissau | - | - | (3) Nawalgarh, Surajgarh, Chirawa | - |
| 21 | JODHPUR | **4** | (3) Jodhpur, Phalodi Pipar City | (1) Bilara | - | - | - | - | - | - | - | - |

| S. No. | Name of the Districts | Total No. of Urban Towns | Potable | | Partially Potable | | | | Unpotable | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Acceptable Limits | Maximum Permissible Limits | Only Fluoride >1.5 | Only TDS>2000 | Only Nitrate>45 | Multiparameters above permissible Limits | Only Fluoride >1.5 | Only TDS>2000 | Only Nitrate>45 | Multiparameters above permissible Limits |
| 22 | KARAULI | **3** | - | (2) Hindon City, Karauli | - | - | - | (1) TodaBheem | - | - | - | - |
| 23 | KOTA | **11** | (7) Ramganj Mandi, Udpura , Satalkhedi, Chechat, Khumbkot, Modak, Khairabad | (3) Kota,Sangod, Suket | - | - | (1) Kaithoon | - | - | - | - | - |
| 24 | NAGAUR | **17** | (17)Nagur, Mundwa, Kuchera, Merta, Degana, Didwana, Ladnun, Nawa, Makrana, Kuchaman, Parbatsar, Chenar, Basni Belma, Boarawar, Merta Road, Gotan, Jhagarwas | - | - | - | - | - | - | - | - | - |
| 25 | PALI | **11** | (5) Jaitaran, Pali, Sumerpur, Sojat Road, Marwar Junction, | (3) Sadri, Bali, Falna | (1) Rani | - | (1) Takhatgarh | (1) Sojat City | - | - | - | - |
| 26 | PRATAPGARH | **3** | (2) Pratapgarh, Chhoti Sadri | (1) Dhariyabad | - | - | - | - | - | - | - | - |
| 27 | RAJSAMAND | **4** | (1) Rajsamand | (1) Amet | (1) Deogarh | - | (1) Nathdwara | - | - | - | - | - |
| 28 | SAWAI MADHOPUR | **4** | - | (4) Gangapur City, Mahukalan, S. Madhopur, Bonli | - | - | - | - | - | - | - | - |

| S. No. | Name of the Districts | Total No. of Urban Towns | Potable | | Partially Potable | | | | Unpotable | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Acceptable Limits | Maximum Permissible Limits | Only Fluoride >1.5 | Only TDS>2000 | Only Nitrate>45 | Multiparameters above permissible Limits | Only Fluoride >1.5 | Only TDS>2000 | Only Nitrate>45 | Multiparameters above permissible Limits |
| 29 | SIKAR | **9** | - | (2) Neemkathana, Srimadhopur | - | - | - | (4) Sikar, Laxamangarh, Khandela, Ringus | - | - | - | (3) Fatehpur Shekhawati, Ramgarh Shekhawati, Losal |
| 30 | SIROHI | **5** | (1) Mount Abu | (3) Pindwara, Abu Road, Shivganj | (1) Sirohi | - | - | - | - | - | - | - |
| 31 | SRIGANGANAGAR | **10** | (9) Sri Karanpur, Sadul Shahar, Kesrisinghpur, Padampur, Raisingh Nagar, Suratgarh, Sri Vijay Nagar, Sri Ganga Nagar, Gajsinghpur | (1) Anoopgarh | - | - | - | - | - | - | - | - |
| 32 | TONK | **6** | (4) Todaraisingh, Malpura, Tonk, Niwai | ( 1 )Deoli | - | (1) Uniyara | - | - | - | - | - | - |
| 33 | UDAIPUR | **7** | (2) Udaipur, Bhinder | (5) Fateh Nagar, Risabdev, Kanod, Salumber, Kherwara | - | - | - | - | - | - | - | - |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT AJMER

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Ajmer | 700000 | 1020 | Surface Water | 122 | 0.3 | 0.3 | 274 | 342 | 2 | 3 | Potable (Acceptable Limit) |
| 2 | Beawar | 200000 | 270 | Surface Water | 30 | 0.3 | 0.3 | 283 | 341 | 2 | 3 | Potable (Acceptable Limit) |
| 3 | Bijainagar | 45000 | 50 | Surface Water | 13 | 0.3 | 0.3 | 311 | 342 | 2 | 2 | Potable (Acceptable Limit) |
| 4 | Kekri | 49000 | 80 | Surface Water | 4 | 0.3 | 0.3 | 284 | 341 | 2 | 3 | Potable (Acceptable Limit) |
| 5 | Kishangarh | 179977 | 225 | Surface Water | 31 | 0.3 | 0.3 | 315 | 342 | 2 | 2 | Potable (Acceptable Limit) |
| 6 | Nasirabad | 61772 | 42 | Surface Water | 5 | 0.3 | 0.3 | 316 | 341 | 2 | 2 | Potable (Acceptable Limit) |
| 7 | Pushkar | 26061 | 20 | Surface Water | 6 | 0.2 | 0.3 | 310 | 422 | 2 | 18 | Potable (Acceptable Limit) |
| 8 | Sarwar | 24853 | 25 | Surface Water | 8 | 0.3 | 0.3 | 313 | 323 | 2 | 2 | Potable (Acceptable Limit) |
| 9 | Badliya | 6184 | 5 | Surface Water | 11 | 0.3 | 0.3 | 312 | 342 | 2 | 2 | Potable (Acceptable Limit) |
| 10 | Baral | 8780 | 2.5 | Surface Water | 1 | 0.3 | 0.3 | 312 | 342 | 2 | 2 | Potable (Acceptable Limit) |
| 11 | Boraj-Kazipura | 8900 | 10 | Surface Water | 3 | 0.3 | 0.3 | 313 | 342 | 2 | 2 | Potable (Acceptable Limit) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT ALWAR

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Alwar | 322,568 | 300 | Ground | 65 | 0.4 | 1.2 | 410 | 1460 | 8 | 32 | Potable (Whithin Permissible limits) |
| 2 | Behror | 35,000 | 18 | Ground | 6 | 0.3 | 0.8 | 463 | 1173 | 16 | 37 | Potable (Whithin Permissible limits) |
| 3 | Govindgarh | 11,552 | 2.3 | Ground | 2 | 1.0 | 1.0 | 3455 | 3595 | 17 | 18 | Unpotable due to TDS |
| 4 | Khairthal | 38,000 | 24 | Ground | 3 | 0.5 | 0.7 | 861 | 1091 | 50 | 118 | Unpotable due to Nitrate |
| 5 | Kherli | 20,000 | 14 | Ground | 4 | 0.6 | 1.9 | 1140 | 3365 | 18 | 30 | Partially Potable due to Fluoride & TDS |
| 6 | Rajgarh | 26,631 | 14 | Ground | 5 | 0.4 | 0.6 | 540 | 977 | 10 | 54 | Partially Potable due to Nitrate |
| 7 | Tizara | 24,747 | 16.6 | Ground | 4 | 0.4 | 0.9 | 504 | 1624 | 21 | 165 | Partially Potable due to Nitrate |
| 8 | Kishangarh Bas | 22,000 | 9 | Ground | 4 | 0.2 | 0.6 | 914 | 953 | 32 | 78 | Partially Potable due to Nitrate |
| 9 | Bhiwadi | 104,921 | 193.5 | Ground | 2 | 0.4 | 0.4 | 789 | 808 | 92 | 92 | Unpotable due to Nitrate |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT BANSWARA

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Banswara | 122,000 | 10 | Surface+Ground | 20 | 0.2 | 0.9 | 130 | 385 | 4 | 15 | Potable (Acceptable Limit) |
| 2 | Kushalgarh | 10,666 | 7 | Surface+Ground | 5 | 0.2 | 0.2 | 105 | 250 | 5 | 15 | Potable (Acceptable Limit) |
| 3 | Paratapur | 10,758 | 8 | Surface+Ground | 9 | 0.3 | 1.1 | 277 | 610 | 5 | 25 | Potable (Whithin Permissible limits) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT BARAN

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Anta | 32377 | 35 | Surface+Ground | 7 | 0.2 | 0.8 | 562 | 1311 | 1 | 44 | Potable (Whithin Permissible limits) |
| 2 | Atru | 11141 | 9 | Surface+Ground | 3 | 0.3 | 0.4 | 395 | 724 | 1 | 19 | Potable (Whithin Permissible limits) |
| 3 | Baran | 117992 | 170 | Surface | 22 | 0.2 | 0.3 | 340 | 395 | 5 | 10 | Potable (Acceptable Limit) |
| 4 | Chhabra | 32285 | 48 | Surface+Ground | 8 | 0.1 | 0.9 | 284 | 1171 | 1 | 170 | Partially Potable due to Nitrate |
| 5 | Chhipabarod | 18337 | 28 | Surface | 5 | 0.2 | 0.3 | 268 | 396 | 1 | 11 | Potable (Acceptable Limit) |
| 6 | Kawai | 9487 | 8 | Surface+Ground | 2 | 0.4 | 0.7 | 656 | 861 | 15 | 35 | Potable (Whithin Permissible limits) |
| 7 | Kherliganj | 7022 | 4.5 | Surface+Ground | 2 | 0.2 | 0.4 | 391 | 750 | 1 | 20 | Potable (Whithin Permissible limits) |
| 8 | Mangrol | 75073 | 27 | Surface + Ground | 5 | 0.1 | 0.4 | 420 | 722 | 1 | 17 | Potable (Whithin Permissible limits) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT BARMER

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Barmer | 104000 | 170 | Surface Water (Canal) Supplied Form Mohangarh Dist. Jaisalmer | 26 | 0.1 | 0.2 | 180 | 210 | 3 | 9 | Potable (Acceptable Limit) |
| 2 | Balotra | 81593 | 65 | Surface Water (Canal) Supplied Form Falsund Dist. Jaisalmer | 11 | 0.2 | 0.3 | 160 | 200 | 2 | 9 | Potable (Acceptable Limit) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT BHARATPUR

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Bharatpur | 380,000 | 58 | Surface | 42 | 0.01 | 0.22 | 125 | 420 | 2 | 9 | Potable (Acceptable Limit) |
| 2 | Bayana | 36,700 | 30 | ground | 4 | 0.48 | 0.68 | 682 | 1140 | 39 | 194 | Partially Potable due to Nitrate |
| 3 | Bhusawer | 20,600 | 20 | ground | 5 | 0.05 | 0.72 | 1006 | 1965 | 19 | 261 | Partially Potable due to Nitrate |
| 4 | Deeg | 49,500 | 30 | Surface | 7 | 0.08 | 0.29 | 332 | 1478 | 3 | 8 | Potable (Whithin Permissible limits) |
| 5 | Kumher | 25,600 | 28 | Surface | 5 | 0.08 | 0.09 | 328 | 457 | 5 | 6 | Potable (Acceptable Limit) |
| 6 | Kaman | 30200 | 19 | ground | 5 | 0.03 | 0.81 | 392 | 2915 | 4 | 55 | Partially Potable due to Nitrate & TDS |
| 7 | Nagar | 22,500 | 13 | Surface + Ground | 5 | 0.09 | 0.53 | 532 | 1947 | 2 | 31 | Potable (Whithin Permissible limits) |
| 8 | Nadbai | 24,500 | 21 | ground | 8 | 0.05 | 1.2 | 1602 | 2723 | 92 | 504 | Unpotable due to TDS & Nitrate |
| 9 | Roopbas | 17000 | 15 | Surface | 6 | 0.02 | 0.45 | 130 | 532 | 1 | 7 | Potable (Whithin Permissible limits) |
| 10 | Weir | 19,000 | 14 | ground | 6 | 0.02 | 0.3 | 592 | 778 | 11 | 32 | Potable (Whithin Permissible limits) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT BHILWARA

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Asind | 16611 | 16.5 | Surface water | 5 | 0.19 | 0.52 | 278 | 408 | 3.9 | 11.8 | Potable (Acceptable Limit) |
| 2 | Bhilwara | 359483 | 700 | Surface water | 63 | 0.18 | 0.27 | 252 | 318 | 1.8 | 4.6 | Potable (Acceptable Limit) |
| 3 | Gangapur | 18777 | 15 | Surface water | 5 | 0.19 | 0.24 | 298 | 312 | 4.8 | 5.3 | Potable (Acceptable Limit) |
| 4 | Gulabpura | 27215 | 27.5 | Surface water | 10 | 0.19 | 0.27 | 261 | 310 | 2.5 | 4.4 | Potable (Acceptable Limit) |
| 5 | Jahazpur | 20586 | 25 | Ground water | 6 | 0.2 | 0.27 | 254 | 301 | 2.0 | 4.6 | Potable (Acceptable Limit) |
| 6 | Mandalgarh | 13844 | 17.5 | Surface water | 12 | 0.19 | 0.27 | 255 | 304 | 2.3 | 4.4 | Potable (Acceptable Limit) |
| 7 | Shahpua | 30320 | 25 | Surface water | 8 | 0.19 | 0.24 | 253 | 312 | 2.0 | 4.2 | Potable (Acceptable Limit) |
| 8 | Bijolia | 14140 | 20 | Surface water | 6 | 0.2 | 0.23 | 277 | 296 | 3.5 | 5.2 | Potable (Acceptable Limit) |
| 9 | Hammirgarh | 11678 | 8 | Surface water | 6 | 0.18 | 0.26 | 255 | 310 | 2.0 | 4.4 | Potable (Acceptable Limit) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT BIKANER

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Bikaner | 529,690 | 1,100 | Ground + Surface | 65 | 0.21 | 1.07 | 219 | 2310 | 6 | 115 | Partialy Potable due to Nitrate & TDS |
| 2 | Dungar Garh | 45,020 | 53 | Ground | 11 | 0.38 | 0.65 | 820 | 1830 | 40 | 115 | Partialy Potable due to Nitrate |
| 3 | Nokha | 449,688 | 54.15 | Ground | 16 | 0.28 | 2.32 | 1330 | 3990 | 30 | 130 | Partialy Potable due to Fluoride, TDS & Nitrate |
| 4 | Deshnok | 15,658 | 18.05 | Ground+ Surface | 7 | 0.25 | 0.31 | 340 | 590 | 7 | 11 | Potable (Whithin Permissible limits) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT BUNDI

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Bundi | 104919 | 160 | Ground / Surface | 25 | 0.44 | 0.86 | 406 | 697 | 5 | 20 | Potable (Whithin Permissible limits) |
| 2 | Nainwa | 19485 | 15 | Ground | 7 | 0.35 | 0.98 | 363 | 738 | 8 | 42 | Potable (Whithin Permissible limits) |
| 3 | Lakheri | 29572 | 32 | Surface | 8 | 0.78 | 0.79 | 480 | 496 | 10 | 11 | Potable (Acceptable Limit) |
| 4 | K. Patan | 24627 | 20 | Ground | 4 | 1.01 | 2.00 | 930 | 1530 | 15 | 70 | Partialy Potable due to Fluoride & Nitrate |
| 5 | Kapren | 20748 | 15 | Ground | 4 | 0.90 | 1.90 | 930 | 2038 | 18 | 44 | Partialy Potable due to Fluoride & TDS |
| 6 | Indergarh | 7444 | 6 | Ground / Surface | 3 | 0.36 | 0.47 | 294 | 519 | 2 | 30 | Potable (Whithin Permissible limits) |
| 7 | Talera | 7203 | 7 | Ground | 1 | 0.23 | 0.96 | 292 | 694 | 2 | 40 | Potable (Whithin Permissible limits) |
| 8 | Sumerganj Mandi | 3633 | 4 | Ground / Surface | 3 | 0.48 | 0.48 | 350 | 570 | 2 | 25 | Potable (Whithin Permissible limits) |
| 9 | Budhhapura | 5070 | 1 | Ground | 1 | 0.22 | 0.26 | 250 | 351 | 2 | 3 | Potable (Acceptable Limit) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT CHITTORGARH

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Barisadri | 15001 | 75 | Ground | 3 | 0.3 | 0.7 | 340 | 810 | 15 | 40 | Potable (Whithin Permissible limits) |
| 2 | Begun | 19333 | 55 | Ground | 8 | 0.3 | 0.7 | 740 | 1410 | 17 | 40 | Potable (Whithin Permissible limits) |
| 3 | Chittorgaarh | 96028 | 150 | Surface + Ground | 54 | 0.5 | 0.8 | 360 | 1420 | 10 | 30 | Potable (Whithin Permissible limits) |
| 4 | Kapasan | 18705 | 60 | Ground | 4 | 0.5 | 1.2 | 980 | 1640 | 15 | 45 | Potable (Whithin Permissible limits) |
| 5 | Nimbhaheda | 53323 | 60 | Ground | 13 | 0.3 | 0.8 | 850 | 1360 | 15 | 38 | Potable (Whithin Permissible limits) |
| 6 | Rawat Bhatta | 34677 | 150 | Surface | 6 | 0.5 | 0.8 | 260 | 730 | 2 | 15 | Potable (Whithin Permissible limits) |
| 7 | Saawa | 11923 | 50 | Ground | 6 | 0.5 | 1.0 | 390 | 1410 | 5 | 40 | Potable (Whithin Permissible limits) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT CHURU

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Churu | 120157 | 168 | surface + ground | 19 | 0.17 | 1.2 | 210 | 2590 | 5 | 68 | Partially Potable (due to TDS & Nitrate) |
| 2 | Ratannagar | 12841 | 14 | surface + ground | 4 | 0.8 | 2.2 | 3780 | 4060 | 45 | 50 | Unpotable (due to TDS, Fluoride & Nitrate) |
| 3 | Sujangarh | 101523 | 581 | surface | 7 | 0.2 | 1.0 | 210 | 280 | 4 | 5 | Potable (Acceptable Limit) |
| 4 | Rajgarh | 59193 | 70 | surface | 7 | 0.18 | 0.2 | 210 | 210 | 5 | 5 | Potable (Acceptable Limit) |
| 5 | Taranagar | 32640 | 38 | surface | 6 | 0.17 | 0.2 | 210 | 280 | 5 | 5 | Potable (Acceptable Limit) |
| 6 | Bidasar | 35683 | 45 | surface + ground | 9 | 0.23 | 0.5 | 140 | 1120 | 4 | 20 | Potable (Whithin Permissible limits) |
| 7 | Chhapar | 19744 | 250 | surface + ground | 8 | 0.7 | 0.7 | 210 | 210 | 4 | 4 | Potable (Acceptable Limit) |
| 8 | Sardarsahar | 95911 | 656 | surface | 10 | 0.15 | 0.2 | 280 | 350 | 4 | 5 | Potable (Acceptable Limit) |
| 9 | Rajaldesar | 27419 | 45 | surface + ground | 11 | 0.75 | 0.8 | 1680 | 1880 | 40 | 42 | Potable (Whithin Permissible limits) |
| 10 | Ratangarh | 71124 | 115 | surface + ground | 13 | 0.31 | 5.0 | 280 | 2520 | 4 | 40 | Partially Potable Fluoride & TDS |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT DAUSA

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Bandikui | 44664 | 28 | Ground | 10 | 0.36 | 1.25 | 714 | 1990 | 39 | 84 | Partially Potable due to Nitrate |
| 2 | Dausa | 85960 | 32 | Ground + Surface | 18 | 0.47 | 2.14 | 490 | 5740 | 4 | 15 | Partially Potable due to Fluoride & TDS |
| 3 | Lalsot | 34363 | 28 | Ground | 6 | 0.37 | 1.01 | 630 | 780 | 21 | 28 | Potable (Whithin Permissible limits) |
| 4 | Mahwa | 24846 | 15 | Ground | 5 | 1.5 | 2.17 | 790 | 1050 | 10 | 13 | Partially Potable due to Fluoride |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT DHOLPUR

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Dholpur | 133075 | 180 | Surface | 20 | 0.2 | 0.5 | 330 | 600 | 1 | 4 | Potable (Whithin Permissible limits) |
| 2 | Bari | 62721 | 0.54 | Ground | 5 | 0.2 | 0.4 | 330 | 360 | 1 | 4 | Potable (Acceptable Limit) |
| 3 | Rajakhera | 33666 | 0.211 | Ground | 4 | 0.1 | 0.2 | 1210 | 1590 | 3.2 | 4 | Potable (Whithin Permissible limits) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT DUNGARPUR

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Dungarpur | 47706 | 36 | Ground + Surface | 19 | 0.30 | 0.47 | 420 | 740 | 4 | 36 | Potable (Whithin Permissible limits) |
| 2 | Sagwara | 31659 | 28 | Ground + Surface | 10 | 0.40 | 0.55 | 440 | 750 | 6 | 42 | Potable (Whithin Permissible limits) |
| 3 | Galiyakot | 6913 | 2.76 | Ground Water | 4 | 0.36 | 0.55 | 390 | 880 | 4 | 43 | Potable (Whithin Permissible limits) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT HANUMANGARH

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Hanumangarh | 156275 | 170 | Surface + Ground | 20 | 0.24 | 1.2 | 290 | 1440 | 2 | 26 | Potable (Whithin Permissible limits) |
| 2 | Sangaria | 38084 | 41 | Surface | 8 | 0.25 | 0.27 | 300 | 310 | 2 | 3 | Potable (Acceptable Limit) |
| 3 | Pilibanga | 30780 | 42 | Surface | 7 | 0.25 | 0.26 | 300 | 310 | 2 | 2 | Potable (Acceptable Limit) |
| 4 | Rawatsar | 36506 | 39 | Surface | 7 | 0.23 | 0.26 | 290 | 310 | 2 | 3 | Potable (Acceptable Limit) |
| 5 | Nohar | 51828 | 60 | Surface | 8 | 0.24 | 0.27 | 300 | 310 | 2 | 3 | Potable (Acceptable Limit) |
| 6 | Bhadra | 42248 | 42 | Surface | 9 | 0.25 | 0.26 | 290 | 320 | 2 | 3 | Potable (Acceptable Limit) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT JAIPUR

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Chaksu | 36775 | 28 | Ground | 10 | 0.32 | 0.67 | 350 | 840 | 7 | 16 | Potable (Whithin Permissible limits) |
| 2 | Chomu | 72152 | 27 | Ground | 12 | 0.36 | 1.85 | 430 | 1330 | 16 | 33 | Partially Potable (Due to Fluoride) |
| 3 | Phulera | 28700 | 20 | Ground + Surface | 7 | 0.39 | 1.86 | 490 | 770 | 4 | 23 | Partially Potable (Due to Fluoride) |
| 4 | Shahpura | 36000 | 23 | Guround | 13 | 0.21 | 1.6 | 420 | 1260 | 1 | 13 | Partially Potable (Due toFluoride) |
| 5 | Virat Nagar | 23000 | 10 | Ground | 10 | 1.13 | 2.3 | 700 | 1050 | 20 | 66 | Partially Potable (Due to Nitrate & Fluoride) |
| 6 | Kotputli | 52160 | 23 | Ground | 7 | 0.22 | 0.4 | 700 | 1400 | 3 | 68 | Partially Potable (Due to Nitrate) |
| 7 | Manoharpur | 22500 | 20 | Ground | 5 | 0.22 | 0.26 | 350 | 420 | 5 | 7 | Potable (Acceptable Limit) |
| 8 | Bassi | 31235 | 13.48 | Ground | 4 | 0.34 | 0.82 | 350 | 1120 | 2 | 96 | Partially Potable (Due to Nitrate ) |
| 9 | Sambhar | 24560 | 20 | Surface | 6 | 0.28 | 0.44 | 350 | 700 | 8 | 21 | Potable ( Whithin Permissible limits) |
| 10 | Phagi | 25000 | 5.5 | Ground | 5 | 0.28 | 0.36 | 350 | 700 | 2 | 22 | Potable( Whithin Permissible limits) |
| 11 | Dudu | 14961 | 17 | Surface | 5 | 0.28 | 0.42 | 315 | 420 | 1 | 8 | Potable (Acceptable Limit) |
| 12 | Kanota | 11250 | 4 | Ground | 3 | 0.48 | 0.5 | 560 | 630 | 22 | 28 | Potable (Whithin Permissible limits) |
| 13 | Bagru | 34352 | 3.5 | Ground | 7 | 0.96 | 0.98 | 630 | 1960 | 43 | 45 | Potable (Whithin Permissible limits) |
| 14 | Jobner | 11354 | 7.5 | Ground | 5 | 0.24 | 0.4 | 490 | 840 | 1 | 44 | Potable (Whithin Permissible limits) |
| 15 | Jamva Ramgarh | 6698 | 14 | Ground | 4 | 0.24 | 0.41 | 420 | 910 | 15 | 98 | Partially Potable (Due to Nitrate ) |
| 16 | Kishangarh Renwal | 29200 | 18 | Ground | 6 | 0.05 | 1.34 | 350 | 1750 | 1 | 52 | Partially Potable (Due to Nitrate ) |
| 17 | Jaipur City | 3,073,000 | 8,750 | Ground + Surface | 183 | 0.11 | 0.8 | 280 | 1610 | 4 | 215 | Partially Potable due to Nitrate |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT JAISALMER

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Jaisalmer | 65471 | 130 | Surface | 18 | 0.6 | 1.4 | 360 | 940 | 4 | 6 | Potable (Whithin Permissible limits) |
| 2 | Pokaran | 23554 | 26 | Surface | 6 | 0.2 | 0.27 | 200 | 210 | 3 | 5 | Potable (Acceptable Limit) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT JALORE

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Jalore | 61384 | 85 | Surface + Ground | 14 | 0.3 | 4.2 | 280 | 4300 | 2 | 48 | Partially Potable (due to Fluoride, Nitrate, TDS) |
| 2 | Bhinmal | 55259 | 28 | Surface + Ground | 9 | 0.4 | 4.0 | 360 | 5200 | 14 | 49 | Partially Potable (due to Fluoride, Nitrate, TDS) |
| 3 | Sanchore | 38176 | 35 | Surface + Ground | 6 | 0.2 | 1.0 | 190 | 1500 | 3 | 15 | Potable (Whithin Permissible limits) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT JHALAWAR

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Jhalawar | 66919 | 80 | Surface | 18 | 0.12 | 0.46 | 297 | 521 | 4 | 20 | Potable (Whithin Permissible limits) |
| 2 | Jh. Patan | 37506 | 45 | Surface | 8 | 0.26 | 0.33 | 320 | 412 | 7 | 9 | Potable (Acceptable Limit) |
| 3 | Khanpur | 13848 | 25 | Surface | 7 | 0.32 | 0.39 | 308 | 420 | 5 | 9 | Potable (Acceptable Limit) |
| 4 | Sunel | 14696 | 15 | Surface | 4 | 0.18 | 0.52 | 296 | 510 | 5 | 6 | Potable (Whithin Permissible limits) |
| 5 | Bhawani Mandi | 42283 | 52 | Surface | 6 | 0.19 | 0.45 | 410 | 493 | 3 | 29 | Potable (Acceptable Limit) |
| 6 | Chomahala | 8584 | 12 | Surface | 4 | 0.18 | 0.46 | 250 | 715 | 6 | 32 | Potable (Whithin Permissible limits) |
| 7 | Aklera | 26240 | 20 | Surface | 7 | 0.18 | 0.24 | 268 | 327 | 6 | 8 | Potable (Acceptable Limit) |
| 8 | Manohar Thana | 11292 | 18 | Surface | 7 | 0.07 | 0.25 | 320 | 345 | 7 | 11 | Potable (Acceptable Limit) |
| 9 | Pirawa | 12807 | 15 | Surface | 5 | 0.42 | 0.72 | 315 | 376 | 1 | 4 | Potable (Acceptable Limit) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT JHUNJHUNU

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Jhunjhunu | 118473 | 150 | Ground + Surface | 25 | 0.2 | 2.2 | 190 | 1544 | 2 | 85 | Partially Potable due to Fluoride & Nitrate |
| 2 | Chirawa | 43953 | 38.8 | Ground | 9 | 0.6 | 1.0 | 872 | 1390 | 55 | 130 | Unpotable due to Nitrate |
| 3 | Khetri | 18209 | 13 | Ground + Surface | 2 | 0.20 | 0.25 | 198 | 274 | 3 | 7 | Potable (Acceptable Limit) |
| 4 | Nawalgarh | 63948 | 85 | Ground | 18 | 0.6 | 1.1 | 740 | 1344 | 55 | 132 | Unpotable due to Nitrate |
| 5 | Mukundgarh | 18469 | 18 | Ground | 4 | 0.7 | 1.0 | 956 | 1352 | 27 | 111 | Partially Potable due to Nitrate |
| 6 | Mandawa | 23335 | 24 | Ground + Surface | 3 | 1.0 | 1.2 | 1236 | 1930 | 45 | 87 | Partially Potable due to Nitrate |
| 7 | Surajgarh | 21666 | 22 | Ground | 4 | 0.8 | 0.9 | 1162 | 1332 | 55 | 61 | Unpotable due to Nitrate |
| 8 | Bissau | 23277 | 22.4 | Ground | 3 | 0.3 | 3.4 | 290 | 3210 | 13 | 590 | Partially Potable due to Fluoride, TDS & Nitrate |
| 9 | Bagar | 14238 | 15.2 | Ground + Surface | 4 | 0.20 | 0.7 | 240 | 1340 | 4 | 200 | Partially Potable (Due to Nitrate) |
| 10 | Pilani | 29741 | 30 | Ground | 7 | 0.8 | 1.3 | 974 | 1470 | 17 | 63 | Partially Potable (Due to Nitrate) |
| 11 | Gothada | 16933 | 9 | Ground + Surface | 5 | 0.22 | 0.22 | 210 | 244 | 3 | 6 | Potable (Acceptable Limit) |
| 12 | Udaipurwati | 29336 | 20 | Ground | 5 | 0.2 | 0.4 | 412 | 636 | 2 | 37 | Potable (Whithin Permissible limits) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT JODHPUR

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Jodhpur | 1,075,000 | 2,600 | Surface | 101 | 0.2 | 0.3 | 192 | 218 | 3 | 5 | Potable (Acceptable Limit) |
| 2 | Phalodi | 60,600 | 58 | Ground + Surface | 8 | 0.2 | 0.3 | 176 | 202 | 2 | 4 | Potable (Acceptable Limit) |
| 3 | Bilara | 36,810 | 35 | Ground + Surface | 2 | 1.0 | 1.1 | 1161 | 1620 | 14 | 18 | Potable ( Whithin Permissible limits) |
| 4 | Pipar city | 39,590 | 22 | Ground + Surface | 6 | 0.2 | 0.2 | 204 | 230 | 4 | 7 | Potable (Acceptable Limit) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT KARAULI

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Karauli | 66,239 | 60 | Ground | 12 | 0.14 | 1.0 | 386 | 1450 | 1 | 45 | Potable (Whithin Permissible limits) |
| 2 | Hindaun City | 84,861 | 60 | Ground | 14 | 0.30 | 0.82 | 290 | 830 | 1 | 30 | Potable (Whithin Permissible limits) |
| 3 | Todabhim | 20,895 | 20 | Ground | 7 | 0.41 | 0.86 | 623 | 2470 | 10 | 51 | Partially Potable due to TDS & Nitrate |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT KOTA

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Kota | 1,001,694 | 2,500 | Surface | 53 | 0.14 | 0.39 | 201 | 723 | 1 | 11 | Potable (Whithin Permissible limits) |
| 2 | Sangod | 21,846 | 29 | Surface | 7 | 0.16 | 0.57 | 256 | 545 | 6 | 34 | Potable (Whithin Permissible limits) |
| 3 | Ramganjmandi | 41,328 | 35 | Surface | 10 | 0.21 | 0.3 | 216 | 253 | 2 | 7 | Potable (Acceptable Limit) |
| 4 | Satalkheri | 15,617 | 13 | Surface | 6 | 0.16 | 0.2 | 221 | 255 | 2 | 5 | Potable (Acceptable Limit) |
| 5 | Suket | 22,319 | 14 | Ground + Surface | 5 | 0.26 | 0.87 | 221 | 620 | 4 | 11 | Potable (Whithin Permissible limits) |
| 6 | Udpura | 10,051 | 7 | Surface | 4 | 0.19 | 0.32 | 219 | 243 | 2 | 4 | Potable (Acceptable Limit) |
| 7 | Kaithoon | 24,260 | 14 | Ground | 4 | 0.22 | 0.89 | 595 | 1018 | 16 | 62 | Partially Potable due to Nitrate |
| 8 | Khumbhkot | 6,602 | 3 | Surface | 2 | 0.19 | 0.46 | 221 | 478 | 2 | 12 | Potable (Acceptable Limit) |
| 9 | Chechat | 11,690 | 8 | Surface | 3 | 0.26 | 0.31 | 226 | 252 | 2 | 3 | Potable (Acceptable Limit) |
| 10 | Khairabad | 11,993 | 7 | Surface | 3 | 0.19 | 0.25 | 219 | 238 | 2 | 3 | Potable (Acceptable Limit) |
| 11 | Modak | 9,204 | 6 | Surface | 3 | 0.19 | 0.35 | 239 | 285 | 2 | 11 | Potable (Acceptable Limit) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT NAGAUR

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Nagaur | 105,218 | 110 | Surface | 26 | 0.17 | 0.23 | 176 | 205 | 2 | 5 | Potable (Acceptable Limit) |
| 2 | Mundwa | 16,871 | 16 | Surface | 4 | 0.12 | 0.21 | 168 | 174 | 2 | 4 | Potable (Acceptable Limit) |
| 3 | Kuchera | 23,468 | 17 | Surface | 3 | 0.1 | 0.2 | 172 | 178 | 2 | 3 | Potable (Acceptable Limit) |
| 4 | Merta | 65,575 | 36 | Surface | 4 | 0.18 | 0.21 | 170 | 180 | 2 | 4 | Potable (Acceptable Limit) |
| 5 | Degana | 10,655 | 8 | Surface | 4 | 0.19 | 0.22 | 165 | 195 | 3 | 4 | Potable (Acceptable Limit) |
| 6 | Didwana | 53,749 | 37 | Surface | 8 | 0.19 | 0.22 | 187 | 198 | 2 | 5 | Potable (Acceptable Limit) |
| 7 | Ladnun | 65,575 | 47 | Surface | 5 | 0.17 | 0.21 | 204 | 240 | 3 | 4 | Potable (Acceptable Limit) |
| 8 | Nawa | 22,088 | 14 | Surface | 4 | 0.19 | 0.2 | 192 | 202 | 2 | 5 | Potable (Acceptable Limit) |
| 9 | Makrana | 139,877 | 36 | Surface | 13 | 0.2 | 0.22 | 190 | 212 | 3 | 5 | Potable (Acceptable Limit) |
| 10 | Kuchaman City | 61,969 | 46 | Surface | 7 | 0.19 | 0.22 | 166 | 202 | 2 | 4 | Potable (Acceptable Limit) |
| 11 | Parbatsar | 15,172 | 13 | Surface | 5 | 0.19 | 0.22 | 178 | 210 | 2 | 4 | Potable (Acceptable Limit) |
| 12 | Chenar | 4,142 | 7 | Surface | 1 | 0.21 | 0.21 | 180 | 195 | 3 | 3 | Potable (Acceptable Limit) |
| 13 | Basni Belima | 21,588 | 20 | Surface | 3 | 0.2 | 0.24 | 179 | 210 | 3 | 5 | Potable (Acceptable Limit) |
| 14 | Gotan | 14,929 | 10 | Surface | 4 | 0.18 | 0.21 | 176 | 256 | 3 | 4 | Potable (Acceptable Limit) |
| 15 | Merta Road | 15,788 | 10 | Surface | 1 | 0.19 | 0.2 | 172 | 204 | 2 | 4 | Potable (Acceptable Limit) |
| 16 | Jhagarwas | 4,638 | 7 | Surface | 1 | 0.17 | 0.21 | 207 | 220 | 3 | 3 | Potable (Acceptable Limit) |
| 17 | Boarawar | 24,654 | 15 | Surface | 3 | 0.17 | 0.21 | 190 | 200 | 3 | 4 | Potable (Acceptable Limit) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT PALI

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Jaitaran | 22,621 | 12 | Surface | 4 | 0.27 | 0.43 | 308 | 412 | 4 | 12 | Potable (Acceptable Limit) |
| 2 | Sojat city | 43,023 | 30 | Surface+Ground | 4 | 0.35 | 1.65 | 254 | 4632 | 4 | 36 | Partially Potable due to Fluoride & TDS |
| 3 | Pali City | 230,075 | 320 | Surface | 30 | 0.40 | 0.58 | 270 | 456 | 4 | 6 | Potable (Acceptable Limit) |
| 4 | Rani | 13,880 | 9 | Surface+Ground | 4 | 0.30 | 2.13 | 270 | 1382 | 4 | 45 | Partially Potable due to Fluoride |
| 5 | Sadri | 27,390 | 22 | Surface+Ground | 4 | 0.37 | 0.44 | 546 | 1482 | 9 | 42 | Potable (Whithin Permissible limits) |
| 6 | Takhat Garth | 16,729 | 10 | Surface+Ground | 5 | 0.40 | 0.58 | 287 | 1649 | 4 | 136 | Partially Potable due to Nitrate |
| 7 | Sumerpur | 37,093 | 32 | Surface | 7 | 0.45 | 0.48 | 287 | 308 | 3 | 4 | Potable (Acceptable Limit) |
| 8 | Falna | 24,839 | 24 | Surface+Ground | 5 | 0.47 | 0.66 | 287 | 1454 | 9 | 44 | Potable (Whithin Permissible limits) |
| 9 | Bali | 19,880 | 10 | Surface+Ground | 5 | 0.52 | 1.18 | 310 | 1218 | 4 | 16 | Potable (Whithin Permissible limits) |
| 10 | Sojat Road | 12,472 | 9 | Surface | 4 | 0.55 | 0.59 | 290 | 330 | 4 | 8 | Potable (Acceptable Limit) |
| 11 | Marwar Juction | 16,111 | 10 | Surface | 6 | 0.55 | 0.69 | 310 | 320 | 6 | 10 | Potable (Acceptable Limit) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT PRATAPGARH

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Pratapgarh | 42,079 | 75 | Surface | 13 | 0.1 | 0.2 | 180 | 256 | 2 | 10 | Potable (Acceptable Limit) |
| 2 | Chhoti Sadri | 11,368 | 16 | Surface | 7 | 0.1 | 0.2 | 180 | 340 | 2 | 10 | Potable (Acceptable Limit) |
| 3 | Dhariyabad | 11,336 | 9 | Ground | 3 | 0.2 | 0.5 | 750 | 820 | 18 | 40 | Potable (Whithin Permissible limits) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT RAJSAMAND

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Amet | 16,669 | 12 | Ground | 5 | 0.4 | 0.8 | 739 | 1156 | 15 | 25 | Potable (Whithin Permissible limits) |
| 2 | Deogarh | 17,064 | 14 | Ground | 11 | 0.98 | 2.0 | 645 | 850 | 20 | 39 | Partially Potable due to Fluoride |
| 3 | Nathdwara | 42,016 | 90 | Surface + Ground | 18 | 0.37 | 0.7 | 268 | 546 | 4 | 55 | Partially Potable due to Nitrate |
| 4 | Rajsamand | 67,798 | 170 | Surface + Ground | 10 | 0.3 | 0.6 | 290 | 364 | 3 | 6 | Potable (Acceptable Limit) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT SAWAI MADHOPUR

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Sawai Madhopur | 140,000 | 135 | Ground | 39 | 0.12 | 0.32 | 480 | 910 | 5 | 31 | Potable (Whithin Permissible limits) |
| 2 | Gangapur City | 119090 | 32.5 | Ground | 8 | 0.24 | 0.96 | 410 | 850 | 5 | 17 | Potable (Whithin Permissible limits) |
| 3 | Bonli | 15,300 | 5 | Surface | 4 | 0.18 | 0.18 | 308 | 690 | 4 | 7 | Potable (Whithin Permissible limits) |
| 4 | Mahu Kalan | 10,971 | 0.75 | Ground | 2 | 0.91 | 0.93 | 1490 | 1590 | 24 | 30 | Potable (Whithin Permissible limits) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT SIKAR

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Sikar | 244497 | 380 | Ground | 31 | 0.20 | 0.83 | 304 | 4240 | 26 | 292 | Partially Potable due to TDS & Nitrate |
| 2 | Fatehpur | 92595 | 90 | Ground | 8 | 0.75 | 2.01 | 566 | 1482 | 51 | 565 | Unpotable due to Fluoride & Nitrate |
| 3 | Laxmangarh | 53392 | 40 | Ground | 9 | 0.26 | 2.15 | 480 | 1710 | 36 | 373 | Partially Potable due to Fluoride & Nitrate |
| 4 | Neem Ka Thana | 36231 | 20 | Ground | 7 | 0.62 | 0.77 | 375 | 655 | 31 | 37 | Potable (Whithin Permissible limits) |
| 5 | Shrimadhopur | 31366 | 17 | Ground | 7 | 0.80 | 0.94 | 930 | 1610 | 26 | 35 | Potable (Whithin Permissible limits) |
| 6 | Ramgarh Shekhaw | 33024 | 14 | Ground | 4 | 1.40 | 1.69 | 1550 | 2310 | 278 | 413 | Unpotable due to Fluoride, TDS & Nitrate |
| 7 | Khandela | 29044 | 15 | Ground | 5 | 0.59 | 2.49 | 1422 | 2230 | 35 | 243 | Partially Potable due to Fluoride, TDS & Nitrate |
| 8 | Losal | 28504 | 23 | Ground | 4 | 1.82 | 2.05 | 700 | 1010 | 60 | 187 | Unpotable due to Fluoride & Nitrate |
| 9 | Ringus | 26139 | 18.89 | Ground | 6 | 0.28 | 2.82 | 460 | 2110 | 19 | 86 | Partially Potable due to Fluoride, TDS & Nitrate |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT SIROHI

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.NO | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Aburoad | 55599 | 45 | Ground | 17 | 0.8 | 1.5 | 750 | 1500 | 8 | 38 | Potable (Whithin Permissible limits) |
| 2 | Pindwara | 24500 | 15 | Ground | 5 | 0.7 | 1.1 | 680 | 900 | 14 | 24 | Potable (Whithin Permissible limits) |
| 3 | Sheoganj | 28053 | 30 | Surface+Ground | 6 | 0.4 | 0.6 | 280 | 800 | 3 | 26 | Potable (Whithin Permissible limits) |
| 4 | Sirohi | 39229 | 35 | Ground | 14 | 1.3 | 1.8 | 650 | 950 | 15 | 27 | Partially Potable due to Fluoride |
| 5 | Mount Abu | 41333 | 34 | Surface | 15 | 0.1 | 0.2 | 54 | 237 | 1 | 2 | Potable (Acceptable Limit) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT SRIGANGANAGAR

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Suratgarh | 71000 | 105 | Surface+Ground | 11 | 0.3 | 0. 31 | 270 | 290 | 3 | 5 | Potable (Acceptable Limit) |
| 2 | Vijaynagar | 18000 | 12 | Surface+Ground | 3 | 0.31 | 0.34 | 250 | 320 | 4 | 5 | Potable (Acceptable Limit) |
| 3 | Anoopgarh | 30000 | 37 | Surface+Ground | 5 | 0.38 | 0.49 | 290 | 880 | 5 | 8 | Potable (Whithin Permissible limits) |
| 4 | Raisinghnagar | 28000 | 35 | Surface+Ground | 5 | 0.34 | 0.4 | 230 | 290 | 3 | 5 | Potable (Acceptable Limit) |
| 5 | Padampur | 18000 | 30 | Surface+Ground | 4 | 0.27 | 0.41 | 200 | 420 | 3 | 4 | Potable (Acceptable Limit) |
| 6 | Gajsinghpur | 10000 | 20 | Surface+Ground | 3 | 0.3 | 0.38 | 230 | 360 | 3 | 4 | Potable (Acceptable Limit) |
| 7 | Sadulsahar | 25000 | 28 | Surface+Ground | 5 | 0.3 | 0.31 | 240 | 340 | 5 | 12 | Potable (Acceptable Limit) |
| 8 | Ganganagar | 250000 | 420 | Surface+Ground | 33 | 0.27 | 0.3 | 210 | 270 | 3 | 5 | Potable (Acceptable Limit) |
| 9 | Karanpur | 21000 | 33 | Surface+Ground | 6 | 0.25 | 0.42 | 180 | 380 | 3 | 4 | Potable (Acceptable Limit) |
| 10 | Kesrisinghpur | 14000 | 19 | Surface+Ground | 4 | 0.3 | 0.41 | 220 | 430 | 3 | 4 | Potable (Acceptable Limit) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT TONK

### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Tonk | 165294 | 140 | Surface+Ground | 18 | 0.20 | 0.30 | 302 | 460 | 2 | 8 | Potable (Acceptable Limit) |
| 2 | Malpura | 34000 | 35 | Surface+Ground | 6 | 0.22 | 0.26 | 299 | 345 | 3 | 8 | Potable (Acceptable Limit) |
| 3 | Deoli | 22065 | 27 | Surface+Ground | 7 | 0.22 | 0.36 | 368 | 648 | 5 | 9 | Potable (Whithin Permissible limits) |
| 4 | Uniara | 12551 | 19 | Surface+Ground | 5 | 0.26 | 0.98 | 289 | 2290 | 3 | 11 | Partially Potable due to TDS |
| 5 | Niwai | 50600 | 36 | Surface+Ground | 12 | 0.24 | 0.26 | 360 | 369 | 2 | 6 | Potable (Acceptable Limit) |
| 6 | Todaraisingh | 23559 | 18 | Surface | 10 | 0.22 | 0.27 | 245 | 330 | 3 | 15 | Potable (Acceptable Limit) |

## DRINKING WATER SUPPLY DETAILS OF VARIOUS TOWNS OF DISTRICT UDAIPUR

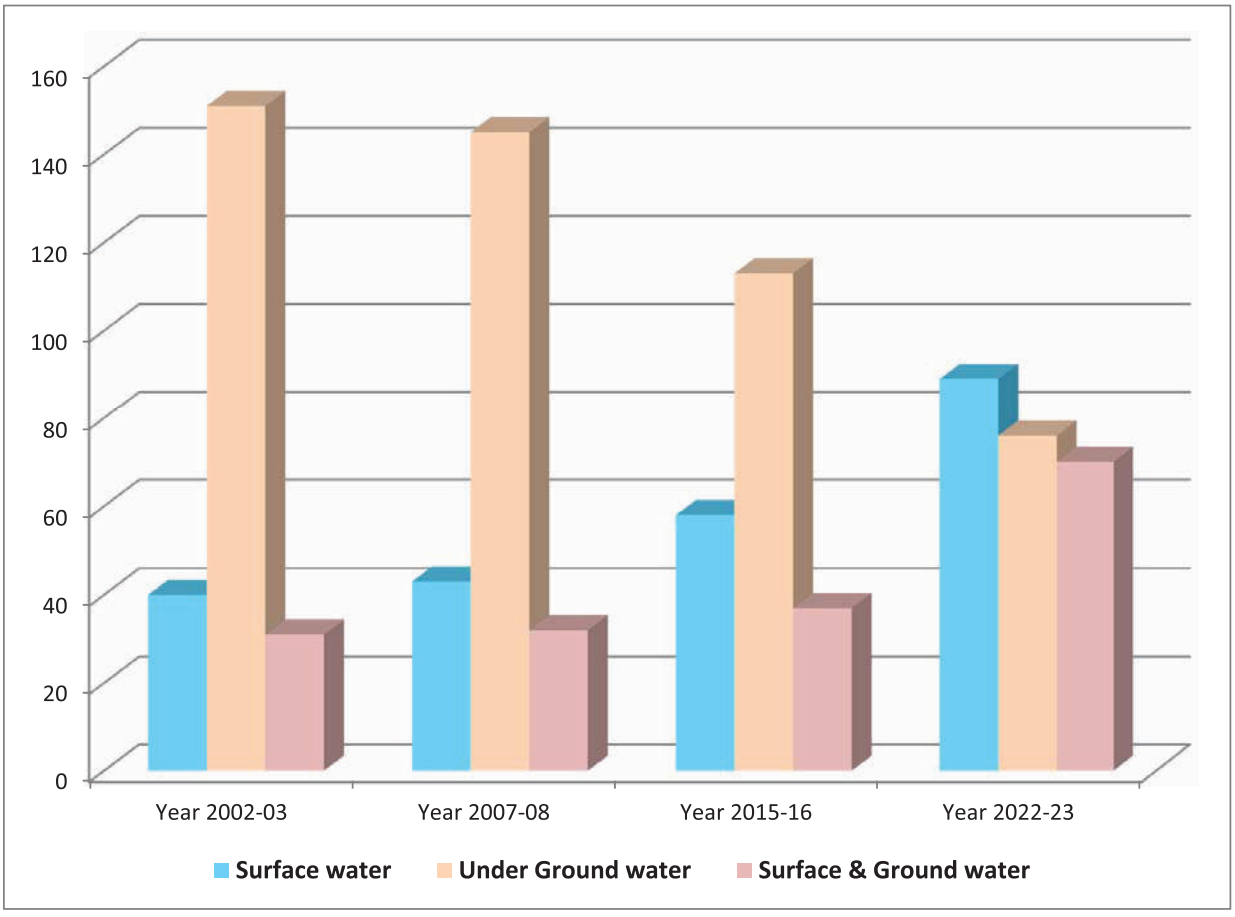
### Quality Details based on the water Supplies through CWR/SR (2022-2023)

| S.No. | Name of the Town | Population | Total supply per day ( lac liter) | Type of Sources Surface / Ground | No. of CWR + SR | Chemical Quality ((Min - Max) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Fluoride Min | Fluoride Max | TDS Min | TDS Max | Nitrate Min | Nitrate Max | Whithin Acceptable limits, Whithin Permissible limits, Partially Potable, Unpotable (due to Fluoride, Nitrate & TDS) based on Water supply |
| 1 | Fatehnagar | 22812 | 10 | Ground | 12 | 0.7 | 1.1 | 915 | 1260 | 14 | 32 | Potable (Whithin Permissible limits) |
| 2 | Kherwada | 7581 | 7 | Surface+Ground | 7 | 0.5 | 0.8 | 420 | 960 | 5 | 18 | Potable (Whithin Permissible limits) |
| 3 | Rishabdev | 9171 | 8 | Surface+Ground | 6 | 0.5 | 0.6 | 420 | 1084 | 7 | 19 | Potable (Whithin Permissible limits) |
| 4 | Bhinder | 17878 | 8.5 | Surface+Ground | 4 | 0.3 | 0.5 | 420 | 480 | 5 | 6 | Potable (Acceptable Limit) |
| 5 | Kanod | 13239 | 8 | Surface+Ground | 3 | 0.4 | 0.6 | 420 | 540 | 5 | 8 | Potable (Whithin Permissible limits) |
| 6 | Salumber | 19710 | 12.5 | Surface+Ground | 6 | 0.2 | 0.6 | 300 | 870 | 3 | 9 | Potable (Whithin Permissible limits) |
| 7 | Udaipur | 493088 | 1010 | Surface+Ground | 75 | 0.2 | 0.5 | 300 | 422 | 2 | 5 | Potable (Acceptable Limit) |

## Year wise comparision of Source wise water supply urban Towns, Rajasthan

| Source of Water Supply | Year 2002-03 | Year 2007-08 | Year 2015-16 | Year 2022-23 |
|---|---|---|---|---|
| Surface Water | 40 | 43 | 58 | 89 |
| Under Ground Water | 151 | 145 | 113 | 76 |
| Surface & Ground Water | 31 | 32 | 37 | 70 |

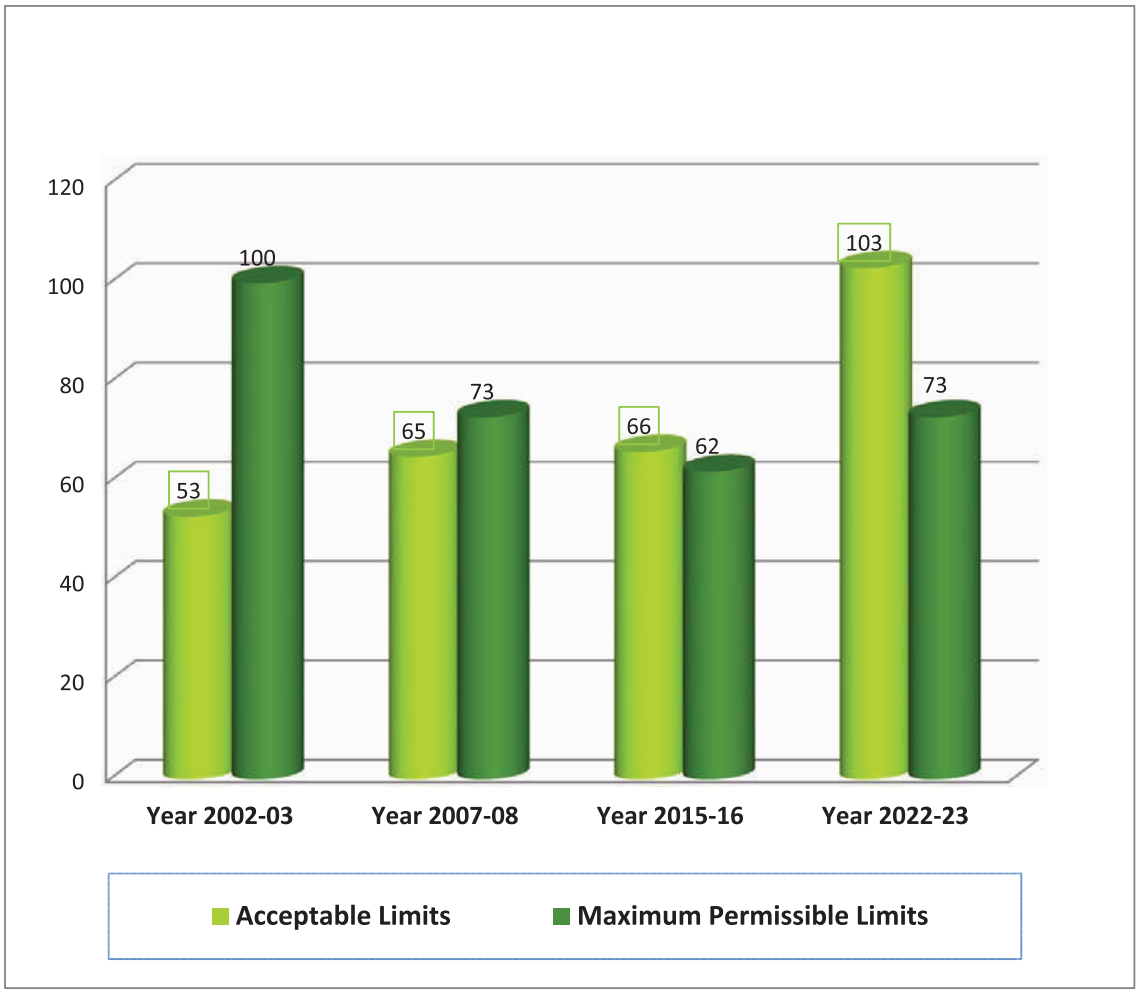
## Source Wise Water Supply



## Year wise comparision of Potable water supply urban Towns, Rajasthan

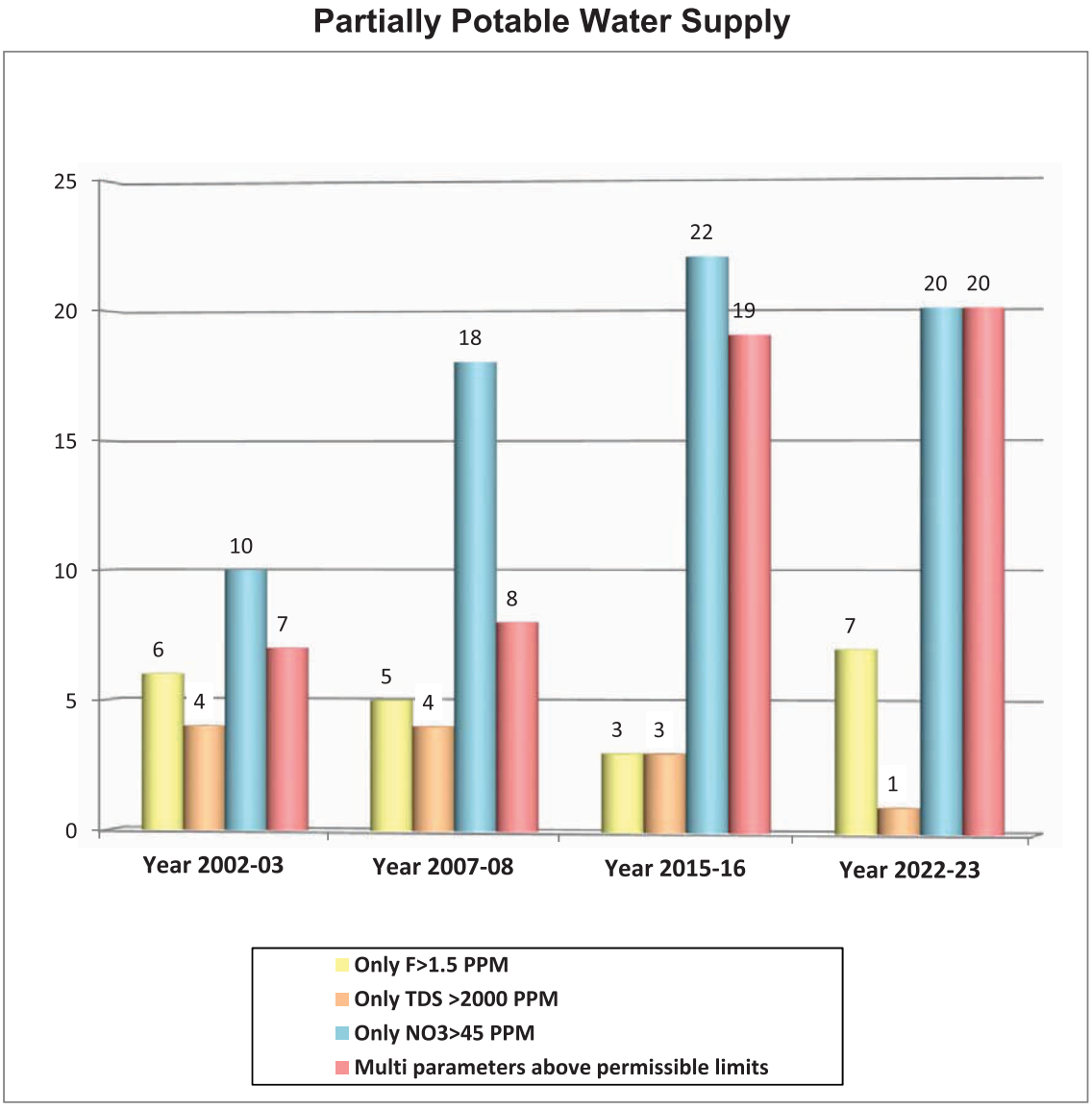
| Potable Water Supply | Year 2002-03 | Year 2007-08 | Year 2015-16 | Year 2022-23 |
|---|---|---|---|---|
| Accepatable Limits | 53 | 65 | 66 | 103 |
| Maximum Perssible Limits | 100 | 73 | 62 | 73 |

## Potable Water Supply



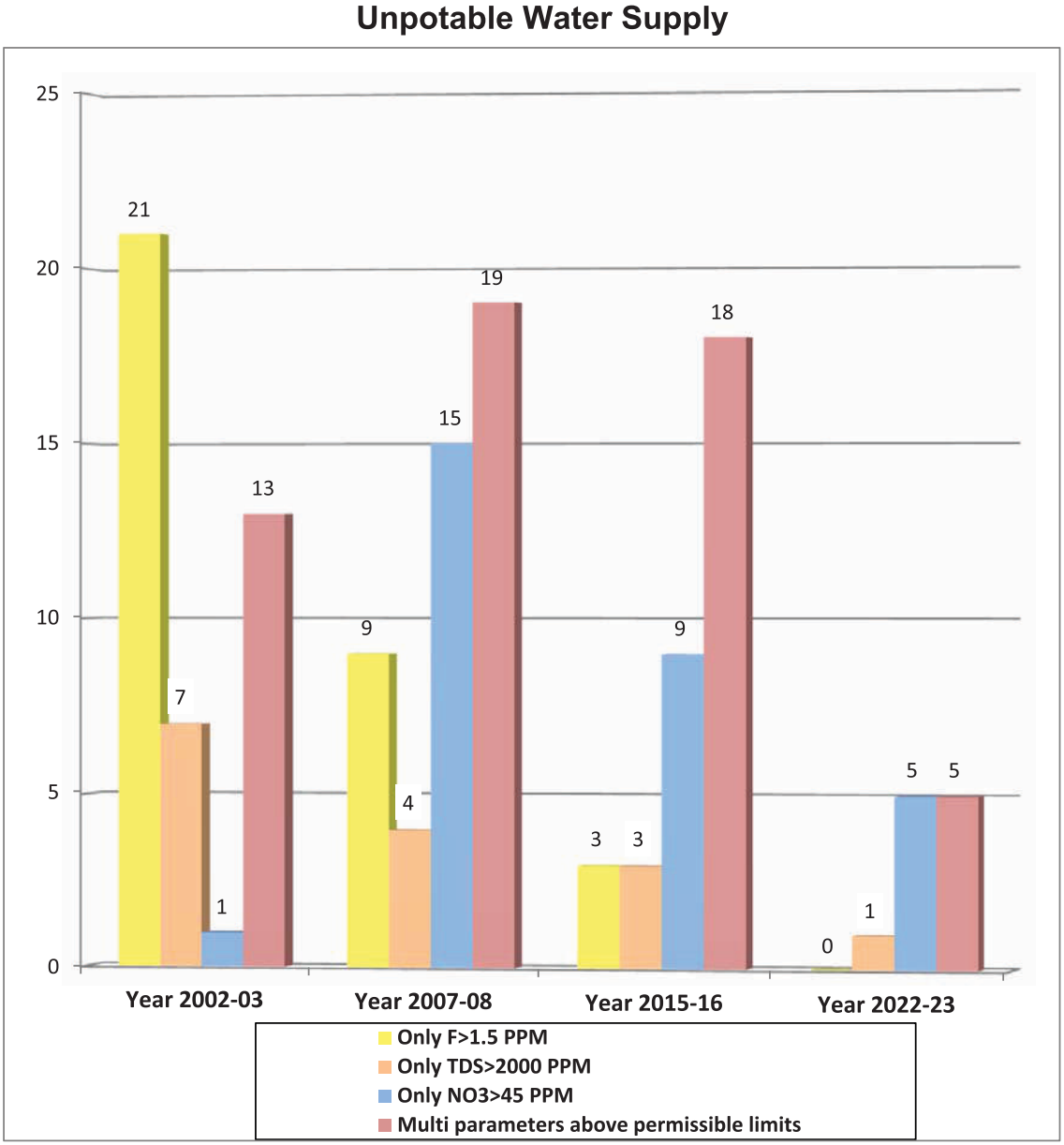
**Year wise comparision of Partially Potable water supply Urban Towns, Rajasthan**

| Partially Potable Water Supply | Year 2002-03 | Year 2007-08 | Year 2015-16 | Year 2022-23 |
|---|---|---|---|---|
| Only F >1.5 PPM | 6 | 5 | 3 | 7 |
| Only TDS >2000 PPM | 4 | 4 | 3 | 1 |
| Only $NO_3$>45 PPM | 10 | 18 | 22 | 20 |
| Multi parameters above permissible limits | 7 | 8 | 19 | 20 |



## Year wise comparision of Unpotable water supply urban Towns, Rajasthan

| Unpotable Water Supply | Year 2002-03 | Year 2007-08 | Year 2015-16 | Year 2022-23 |
|---|---|---|---|---|
| Only F >1.5 PPM | 21 | 9 | 3 | 0 |
| Only TDS >2000 PPM | 7 | 4 | 3 | 1 |
| Only $NO_3$>45 PPM | 1 | 15 | 9 | 5 |
| Multi parameters above permissible limits | 13 | 19 | 18 | 5 |



# NOTES

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