

GOVERNMENT OF INDIA  
MINISTRY OF JAL SHAKTI  
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION  
**RAJYA SABHA**

**UNSTARRED QUESTION NO. 737**

ANSWERED ON 29.07.2024

**QUANTUM OF GROUNDWATER IN RAJASTHAN**

737#. SHRI RAJENDRA GEHLOT

Will the Minister of **JAL SHAKTI** be pleased to state:

- (a) the details of the total quantum of groundwater and the quantum of water that can be utilized for drinking purpose in the State of Rajasthan, District-wise ;
- (b) the details of the locations in Rajasthan where piezometers/automatic water level recorders have been installed, District-wise ; and
- (c) the number of Districts in Rajasthan where the work of surface water source and groundwater source-based schemes for providing tap water under the Jal Jeevan Mission has been completed and the quantum of work which is remaining and the details thereof, District-wise?

**ANSWER**

**THE MINISTER OF STATE FOR JAL SHAKTI**

(SHRI RAJ BHUSHAN CHOUDHARY)

- (a) The Dynamic Ground Water Resources of the country are being assessed every year from 2022 jointly by Central Ground Water Board (CGWB) and State Governments. As per the 2023 assessment, the Annual Extractable Ground Water Resource for the State of Rajasthan is 11.25 BCM. This resource can be used for various purposes, including irrigation, industrial, and domestic uses. The district wise details Ground Water Resources of Rajasthan are given in **Annexure-I**.
- (b) District-wise details of piezometers installed in Rajasthan by CGWB, Atal Bhujal Yojana and under National Hydrology Project is provided at **Annexure –II**.
- (c) District-wise details of surface water source and groundwater source-based schemes for providing tap water under the Jal Jeevan Mission are provided in **Annexure –III & IV** respectively.

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ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 737 TO BE ANSWERED IN RAJYA SABHA ON 29.07.2024 REGARDING “QUANTUM OF GROUNDWATER IN RAJASTHAN”.

**District wise\* Ground Water Resources of Rajasthan (in Ham) as on 31.03.2023**

| S. No. | Name of District | Total Annual Ground Water Recharge | Annual Extractable Ground Water Resource | Current Annual Ground Water Extraction |            |           |            | Stage of Ground Water Extraction (%) |
|--------|------------------|------------------------------------|------------------------------------------|----------------------------------------|------------|-----------|------------|--------------------------------------|
|        |                  |                                    |                                          | Irrigation                             | Industrial | Domestic  | Total      |                                      |
| 1      | AJMER            | 37959.01                           | 34163.11                                 | 47462.83                               | 176        | 1184.34   | 48823.19   | 142.91                               |
| 2      | ALWAR            | 79675.78                           | 71708.2                                  | 113255.21                              | 3413.35    | 14469.75  | 131138.28  | 182.88                               |
| 3      | BANSWARA         | 23168.41                           | 20851.56                                 | 11598.17                               | 4.02       | 2417.18   | 14019.38   | 67.23                                |
| 4      | BARAN            | 64982.4                            | 58927.68                                 | 67411.74                               | 102.57     | 8364.65   | 75878.95   | 128.77                               |
| 5      | BARMER           | 38354.2                            | 34518.77                                 | 37805.31                               | 438        | 7406.28   | 45649.61   | 132.25                               |
| 6      | BHARATPUR        | 39669.18                           | 36266.73                                 | 37331.9                                | 71.85      | 6391.83   | 43795.62   | 120.76                               |
| 7      | BHILWARA         | 45109.39                           | 40614.58                                 | 60213.29                               | 735.87     | 5372.48   | 66321.65   | 163.3                                |
| 8      | BIKANER          | 30882.57                           | 27870.51                                 | 28462.85                               | 71         | 9705.94   | 38239.79   | 137.21                               |
| 9      | BUNDI            | 33065.9                            | 30422.15                                 | 27292.16                               | 66         | 3723.39   | 31081.54   | 102.17                               |
| 10     | CHITTAURGARH     | 34553.28                           | 31097.97                                 | 46512.33                               | 107.23     | 2028.21   | 48647.78   | 156.43                               |
| 11     | CHURU            | 15993.73                           | 14789.51                                 | 15419.69                               | 4.76       | 3185.95   | 18610.4    | 125.84                               |
| 12     | DAUSA            | 27927.45                           | 25134.69                                 | 47521.68                               | 3.19       | 11095.15  | 58620.01   | 233.22                               |
| 13     | DHAULPUR         | 27509.55                           | 25039.51                                 | 29417.68                               | 15.73      | 4615.56   | 34048.97   | 135.98                               |
| 14     | DUNGARPUR        | 22466.42                           | 20241.59                                 | 11227.75                               | 1.11       | 885.25    | 12114.12   | 59.85                                |
| 15     | SRI GANGANAGAR   | 47966.76                           | 43170.1                                  | 16989.18                               | 39         | 38.57     | 17066.75   | 39.53                                |
| 16     | HANUMANGARH      | 22490.26                           | 20241.22                                 | 11247.76                               | 200        | 914.9     | 12362.66   | 61.08                                |
| 17     | JAIPUR           | 72587.12                           | 65328.4                                  | 107004.97                              | 1662.63    | 38927.03  | 147594.63  | 225.93                               |
| 18     | JAISALMER        | 10547.77                           | 9492.99                                  | 30418.32                               | 5.84       | 3941.1    | 34365.26   | 362.01                               |
| 19     | JALOR            | 47948.84                           | 43781.98                                 | 75036.44                               | 2.58       | 4408.2    | 79447.23   | 181.46                               |
| 20     | JHALAWAR         | 55627.73                           | 50295.4                                  | 54683.43                               | 0.41       | 3956.82   | 58640.65   | 116.59                               |
| 21     | JHUNJHUNUN       | 24551.09                           | 22095.98                                 | 35396.64                               | 564.16     | 11912.02  | 47872.82   | 216.66                               |
| 22     | JODHPUR          | 40205.29                           | 36733.61                                 | 78476.56                               | 677.58     | 15154.96  | 94309.12   | 256.74                               |
| 23     | KARALI           | 33817.6                            | 30563.02                                 | 43466.39                               | 0.07       | 4836.85   | 48303.32   | 158.04                               |
| 24     | KOTA             | 51575.18                           | 46417.67                                 | 40190.84                               | 180.93     | 8572.76   | 48944.54   | 105.44                               |
| 25     | NAGPUR           | 62676.39                           | 56643.77                                 | 88158.52                               | 1147.65    | 13604.42  | 102910.61  | 181.68                               |
| 26     | PALI             | 32150.48                           | 28935.41                                 | 41633.64                               | 17.58      | 4366.05   | 46017.27   | 159.03                               |
| 27     | PRATAPGARH       | 22764.24                           | 20488.37                                 | 25665.32                               | 19         | 643.83    | 26328.16   | 128.5                                |
| 28     | RAJSAMAND        | 11585.02                           | 10426.48                                 | 10057.26                               | 391.64     | 2416.81   | 12865.72   | 123.39                               |
| 29     | SAWAI MADHOPUR   | 44228.05                           | 39805.24                                 | 56358.79                               | 0.22       | 7836.38   | 64195.43   | 161.27                               |
| 30     | SIKAR            | 36899.45                           | 33209.52                                 | 51368.58                               | 221.34     | 12208.95  | 63798.89   | 192.11                               |
| 31     | SIROHI           | 29777.35                           | 26799.63                                 | 29160.36                               | 340.77     | 1840.64   | 31341.77   | 116.95                               |
| 32     | TONK             | 44229.07                           | 40031.53                                 | 29959.39                               | 36         | 10828.93  | 40824.35   | 101.98                               |
| 33     | UDAIPUR          | 32254                              | 29028.56                                 | 24219.28                               | 2059.79    | 3449.6    | 29728.67   | 102.41                               |
|        | Total            | 1245198.96                         | 1125135.44                               | 1430424.28                             | 12777.86   | 230704.79 | 1673907.14 | 148.77                               |

\*As per the pre-reorganization districts list

**ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 737 TO BE ANSWERED IN RAJYA SABHA ON 29.07.2024 REGARDING “QUANTUM OF GROUNDWATER IN RAJASTHAN”.**

**District-wise\*\* details of piezometers installed in Rajasthan by CGWB, Atal**

**BhujalYojana and under National Hydrology Project**

| <b>S. No.</b> | <b>District</b> | <b>Total No. of Piezometers</b> | <b>Total No .of AWLR</b> |
|---------------|-----------------|---------------------------------|--------------------------|
| 1             | Ajmer           | 87                              | 5                        |
| 2             | Alwar           | 96                              | 11                       |
| 3             | Banswara        | 36                              | 7                        |
| 4             | Baran           | 47                              | 3                        |
| 5             | Barmer          | 85                              | 3                        |
| 6             | Bharatpur       | 40                              | 9                        |
| 7             | Bhilwara        | 66                              | 5                        |
| 8             | Bikaner         | 47                              | 4                        |
| 9             | Bundi           | 28                              | 2                        |
| 10            | Chittorgarh     | 49                              | 6                        |
| 11            | Churu           | 35                              | 1                        |
| 12            | Dausa           | 126                             | 5                        |
| 13            | Dholpur         | 86                              | 5                        |
| 14            | Dungarpur       | 20                              | 7                        |
| 15            | Hanumangarh     | 112                             | 0                        |
| 16            | Jaipur          | 171                             | 16                       |
| 17            | Jaisalmer       | 101                             | 2                        |
| 18            | Jalore          | 37                              | 6                        |
| 19            | Jhalawar        | 34                              | 3                        |
| 20            | Jhunjhunu       | 92                              | 2                        |
| 21            | Jodhpur         | 90                              | 10                       |
| 22            | Karauli         | 82                              | 1                        |
| 23            | Kota            | 28                              | 1                        |
| 24            | Nagaur          | 54                              | 7                        |
| 25            | Pali            | 20                              | 4                        |
| 26            | Pratapgarh      | 11                              | 2                        |
| 27            | Rajsamand       | 41                              | 2                        |
| 28            | SawaiMadhopur   | 80                              | 2                        |
| 29            | Sikar           | 131                             | 7                        |
| 30            | Sirohi          | 4                               | 4                        |
| 31            | Sri Ganganagar  | 37                              | 0                        |
| 32            | Tonk            | 29                              | 1                        |
| 33            | Udaipur         | 25                              | 7                        |
|               | <b>Total</b>    | <b>2027</b>                     | <b>150</b>               |

**\*As per pre-reorganization districts list**

**ANNEXURE REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 737 TO BE ANSWERED IN RAJYA SABHA ON 29.07.2024 REGARDING “QUANTUM OF GROUNDWATER IN RAJASTHAN”.**

| <b>Status of Ground Water Based Schemes under Jal Jeevan Mission as on 25.07.2024</b> |                    |                                  |                                   |                             |
|---------------------------------------------------------------------------------------|--------------------|----------------------------------|-----------------------------------|-----------------------------|
| <b>S.No.</b>                                                                          | <b>Districts</b>   | <b>House Connections Planned</b> | <b>House connections provided</b> | <b>Remaining Households</b> |
| 1                                                                                     | Ajmer              | 831                              | 831                               | -                           |
| 2                                                                                     | Alwar              | 2,23,341                         | 78,871                            | 1,44,470                    |
| 3                                                                                     | Anupgarh           | -                                | -                                 | -                           |
| 4                                                                                     | Balotra            | 9,298                            | 8,830                             | 468                         |
| 5                                                                                     | Banswara           | 59,828                           | 35,587                            | 24,241                      |
| 6                                                                                     | Baran              | 46,826                           | 31,705                            | 15,121                      |
| 7                                                                                     | Barmer             | 83                               | 43                                | 40                          |
| 8                                                                                     | Beawar             | 26,946                           | 19,179                            | 7,767                       |
| 9                                                                                     | Bharatpur          | 1,85,468                         | 1,04,255                          | 81,213                      |
| 10                                                                                    | Bhilwara           | 11,459                           | 8,808                             | 2,651                       |
| 11                                                                                    | Bikaner            | 16,550                           | 13,112                            | 3,438                       |
| 12                                                                                    | Bundi              | 22,615                           | 16,863                            | 5,752                       |
| 13                                                                                    | Chittorgarh        | 17,943                           | 17,943                            | -                           |
| 14                                                                                    | Churu              | 18,745                           | 13,556                            | 5,189                       |
| 15                                                                                    | Dausa              | 1,05,500                         | 87,558                            | 17,942                      |
| 16                                                                                    | Deeg               | 56,722                           | 25,557                            | 31,165                      |
| 17                                                                                    | Dholpur            | 1,21,623                         | 52,872                            | 68,751                      |
| 18                                                                                    | Didwana-Kuchaman   | 17,618                           | 10,746                            | 6,872                       |
| 19                                                                                    | Dudu               | 7,665                            | 7,665                             | -                           |
| 20                                                                                    | Dungarpur          | 77,712                           | 22,951                            | 54,761                      |
| 21                                                                                    | Sri Ganganagar     | 653                              | 261                               | 392                         |
| 22                                                                                    | Gangapurcity       | 1,12,653                         | 56,063                            | 56,590                      |
| 23                                                                                    | Hanumangarh        | 1,533                            | 1,083                             | 450                         |
| 24                                                                                    | Jaipur(Gramin)     | 1,78,566                         | 72,252                            | 1,06,314                    |
| 25                                                                                    | Jaisalmer          | 705                              | 705                               | -                           |
| 26                                                                                    | Jalore             | 7,933                            | 7,747                             | 186                         |
| 27                                                                                    | Jhalawar           | 17,102                           | 12,466                            | 4,636                       |
| 28                                                                                    | Jhunjhunu          | 52,513                           | 39,942                            | 12,571                      |
| 29                                                                                    | Jodhpur(Gramin)    | 1,456                            | 1,456                             | -                           |
| 30                                                                                    | Karauli            | 1,45,455                         | 64,644                            | 80,811                      |
| 31                                                                                    | Kekri              | 4,241                            | 3,318                             | 923                         |
| 32                                                                                    | Khairthal-Tijara   | 1,17,486                         | 49,618                            | 67,868                      |
| 33                                                                                    | Kota               | 19,251                           | 15,965                            | 3,286                       |
| 34                                                                                    | Kotputli-Behror    | 1,58,939                         | 58,537                            | 1,00,402                    |
| 35                                                                                    | Nagaur             | 51                               | -                                 | 51                          |
| 36                                                                                    | NeemKaThana        | 56,856                           | 41,330                            | 15,526                      |
| 37                                                                                    | Pali               | 22,744                           | 15,399                            | 7,345                       |
| 38                                                                                    | Phalodi            | 928                              | 928                               | -                           |
| 39                                                                                    | Pratapgarh         | 52,952                           | 34,195                            | 18,757                      |
| 40                                                                                    | Rajsamand          | 44,998                           | 31,826                            | 13,172                      |
| 41                                                                                    | Salumbar           | 63,425                           | 29,053                            | 34,372                      |
| 42                                                                                    | Sanchoe            | 937                              | 514                               | 423                         |
| 43                                                                                    | SawaiMadhopur      | 73,918                           | 53,333                            | 20,585                      |
| 44                                                                                    | Shahpura           | 12,452                           | 6,863                             | 5,589                       |
| 45                                                                                    | Sikar              | 56,355                           | 49,614                            | 6,741                       |
| 46                                                                                    | Sirohi             | 1,11,758                         | 48,062                            | 63,696                      |
| 47                                                                                    | Tonk               | 22,129                           | 16,424                            | 5,705                       |
| 48                                                                                    | Udaipur            | 3,07,171                         | 79,248                            | 2,27,923                    |
|                                                                                       | <b>Grand Total</b> | <b>26,71,933</b>                 | <b>13,49,276</b>                  | <b>13,22,657</b>            |

ANNEXURE REFERRED TO IN REPLY TO PART (C) OF UNSTARRED QUESTION NO. 737 TO BE ANSWERED IN RAJYA SABHA ON 29.07.2024 REGARDING “QUANTUM OF GROUNDWATER IN RAJASTHAN”.

| Status of Surface Water Based Schemes under Jal Jeevan Mission as on 25.07.2024 |                    |                           |                            |                      |
|---------------------------------------------------------------------------------|--------------------|---------------------------|----------------------------|----------------------|
| S.No.                                                                           | Districts          | House Connections Planned | House connections provided | Remaining Households |
| 1                                                                               | Ajmer              | 1,07,794                  | 50,531                     | 57,263               |
| 2                                                                               | Alwar              | 1,151                     | 664                        | 487                  |
| 3                                                                               | Anupgarh           | 97,288                    | 69,685                     | 27,603               |
| 4                                                                               | Balotra            | 1,26,381                  | 78,278                     | 48,103               |
| 5                                                                               | Banswara           | 2,55,818                  | 30,247                     | 2,25,571             |
| 6                                                                               | Baran              | 47,617                    | 32,221                     | 15,396               |
| 7                                                                               | Barmer             | 1,68,476                  | 36,079                     | 1,32,397             |
| 8                                                                               | Beawar             | 72,818                    | 55,955                     | 16,863               |
| 9                                                                               | Bharatpur          | 4,726                     | 740                        | 3,986                |
| 10                                                                              | Bhilwara           | 1,62,019                  | 97,002                     | 65,017               |
| 11                                                                              | Bikaner            | 2,33,539                  | 94,718                     | 1,38,821             |
| 12                                                                              | Bundi              | 91,162                    | 20,121                     | 71,041               |
| 13                                                                              | Chittorgarh        | 2,16,389                  | 448                        | 2,15,941             |
| 14                                                                              | Churu              | 1,72,618                  | 1,18,981                   | 53,637               |
| 15                                                                              | Dausa              | 1,35,844                  | 501                        | 1,35,343             |
| 16                                                                              | Deeg               | 1,42,525                  | -                          | 1,42,525             |
| 17                                                                              | Dholpur            | 65,042                    | 9,566                      | 55,476               |
| 18                                                                              | Didwana-Kuchaman   | 96,163                    | 75,275                     | 20,888               |
| 19                                                                              | Dudu               | 43,450                    | 32,525                     | 10,925               |
| 20                                                                              | Dungarpur          | 1,69,475                  | 32,892                     | 1,36,583             |
| 21                                                                              | Sri Ganganagar     | 1,06,130                  | 85,766                     | 20,364               |
| 22                                                                              | Gangapur city      | 39,577                    | 47                         | 39,530               |
| 23                                                                              | Hanumangarh        | 2,61,355                  | 1,24,268                   | 1,37,087             |
| 24                                                                              | Jaipur (Gramin)    | 96,634                    | 67,467                     | 29,167               |
| 25                                                                              | Jaisalmer          | 93,828                    | 36,455                     | 57,373               |
| 26                                                                              | Jalore             | 889                       | 339                        | 550                  |
| 27                                                                              | Jhalawar           | 1,74,657                  | 1,36,777                   | 37,880               |
| 28                                                                              | Jhunjhunu          | 85,880                    | 22,673                     | 63,207               |
| 29                                                                              | Jodhpur            | 2,658                     | -                          | 2,658                |
| 30                                                                              | Jodhpur (Gramin)   | 3,16,970                  | 1,28,195                   | 1,88,775             |
| 31                                                                              | Kekri              | 1,18,325                  | 26,529                     | 91,796               |
| 32                                                                              | Khairthal-Tijara   | 1,568                     | 325                        | 1,243                |
| 33                                                                              | Kota               | 98,948                    | 43,212                     | 55,736               |
| 34                                                                              | Kotputli-Behror    | 1,381                     | 42                         | 1,339                |
| 35                                                                              | Nagaur             | 2,01,063                  | 88,494                     | 1,12,569             |
| 36                                                                              | NeemKaThana        | 67,019                    | 31,313                     | 35,706               |
| 37                                                                              | Pali               | 1,56,403                  | 1,03,390                   | 53,013               |
| 38                                                                              | Phalodi            | 80,103                    | 25,513                     | 54,590               |
| 39                                                                              | Pratapgarh         | 70,709                    | 3,782                      | 66,927               |
| 40                                                                              | Rajsamand          | 67,030                    | 2,034                      | 64,996               |
| 41                                                                              | Salumbar           | 16,546                    | 2,681                      | 13,865               |
| 42                                                                              | Sanchoe            | 2,65,252                  | 63,114                     | 2,02,138             |
| 43                                                                              | SawaiMadhopur      | 37,052                    | 2,831                      | 34,221               |
| 44                                                                              | Shahpura           | 1,35,273                  | 1,25,594                   | 9,679                |
| 45                                                                              | Sikar              | 2,53,279                  | 14,577                     | 2,38,702             |
| 46                                                                              | Sirohi             | 43,791                    | -                          | 43,791               |
| 47                                                                              | Tonk               | 1,85,969                  | 80,573                     | 1,05,396             |
| 48                                                                              | Udaipur            | 1,13,431                  | 731                        | 1,12,700             |
|                                                                                 | <b>Grand Total</b> | <b>55,02,015</b>          | <b>20,53,151</b>           | <b>34,48,864</b>     |