GOVERNMENT OF INDIA
MINISTRY OF POWER

**RAJYA SABHA**
**UNSTARRED QUESTION NO.1103**
TO BE ANSWERED ON 20.09.2020

**ESTIMATION OF EXPECTED ELECTRICITY LOAD AFTER IMPLEMENTATION OF SAUBHAGYA YOJANA**

1103# **SHRI SATISH CHANDRA DUBEY:**

Will the Minister of **POWER**
be pleased to state:

(a) whether Government has estimated State-wise expected electricity load at the time of maximum demand of electricity after complete implementation of 'Saubhagya Yojana';

(b) if so, the details of estimated electricity load at the time of maximum demand of electricity, State-wise;

(c) whether the capacity of power grid will be sufficient to accommodate the estimated electricity load, if so, the details thereof; and

(d) if not, whether Government has made a plan to enhance the quantum of power generation and Grid capacity accordingly?

**A N S W E R**

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER, NEW & RENEWABLE ENERGY AND THE MINISTER OF STATE FOR SKILL DEVELOPMENT & ENTREPRENEURSHIP

( SHRI R.K. SINGH )

**(a) & (b) :** The state wise estimation of the electricity demand as projected in the 19th Electric Power Survey (EPS) published by Central Electricity Authority (CEA) **is given at Annexure.** The impact of increase in demand due to Saubhagya Yojana has also been considered in this assessment.

**(c) & (d) :** The power generation and inter-state transmission capacity of power grid are sufficient to meet the electricity demand. This is also reflected as we have single price most of the time throughout the country in the power exchanges as there is no congestion in the electricity Grid. Further, the National Electricity Plans (NEP) have been published by CEA to take care of the future requirements of power generation and the transmission.

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**ANNEXURE**

**ANNEXURE REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 1103 TO BE ANSWERED IN THE RAJYA SABHA ON 20.09.2020.**

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**State-wise demand as projected by the 19th EPS (published in January 2017) for the year 2018-19 to 2026-27**

**(Figures in MU)**

| State/UTs | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 |
|---|---|---|---|---|---|---|---|---|---|
| Delhi | 34201 | 35380 | 36573 | 37778 | 38997 | 40224 | 41557 | 42904 | 44267 |
| Haryana | 54062 | 57083 | 60336 | 63618 | 66747 | 70333 | 75110 | 80239 | 85743 |
| Himachal Pradesh | 10523 | 10949 | 11394 | 11866 | 12360 | 12876 | 13417 | 13983 | 14576 |
| Jammu & Kashmir | 16283 | 17109 | 18017 | 18819 | 19963 | 21161 | 22433 | 23795 | 25254 |
| Punjab | 61076 | 64730 | 68502 | 72392 | 76826 | 81369 | 86027 | 90789 | 95658 |
| Rajasthan | 79485 | 83168 | 87051 | 91216 | 95782 | 101200 | 108808 | 117219 | 126290 |
| Uttar Pradesh | 123951 | 132476 | 141426 | 150797 | 159412 | 167731 | 176477 | 185674 | 195323 |
| Uttarakhand | 15880 | 17007 | 18181 | 19406 | 20687 | 22029 | 23438 | 24920 | 26480 |
| Chandigarh | 2070 | 2145 | 2223 | 2304 | 2388 | 2475 | 2566 | 2659 | 2756 |
| **Northern Region** | **397530** | **420047** | **443704** | **468196** | **493162** | **519399** | **549833** | **582182** | **616345** |
| Goa | 4802 | 5068 | 5332 | 5593 | 5855 | 6120 | 6389 | 6660 | 6932 |
| Gujarat | 113187 | 120693 | 128368 | 136159 | 144186 | 152475 | 160989 | 169732 | 178693 |
| Chhattisgarh | 31383 | 33463 | 35559 | 37840 | 40155 | 42661 | 45315 | 48146 | 51088 |
| Madhya Pradesh | 81732 | 88022 | 94301 | 99871 | 104772 | 109727 | 114765 | 120027 | 125394 |
| Maharashtra | 161926 | 171313 | 180338 | 189983 | 200288 | 211307 | 223171 | 235949 | 249628 |
| D.& N. Haveli | 7653 | 8210 | 8775 | 9343 | 9920 | 10513 | 11120 | 11741 | 12373 |
| Daman & Diu | 2327 | 2449 | 2577 | 2712 | 2855 | 3006 | 3166 | 3337 | 3517 |
| **Western Region** | **403010** | **429217** | **455250** | **481501** | **508032** | **535810** | **564915** | **595591** | **627624** |
| Andhra Pradesh | 63290 | 68034 | 73090 | 78540 | 84429 | 90794 | 97181 | 104072 | 111485 |
| Telangana | 67680 | 75164 | 80700 | 84603 | 88130 | 91836 | 95776 | 99945 | 104345 |
| Karnataka | 73636 | 77532 | 81622 | 85932 | 90381 | 95042 | 99916 | 105017 | 110368 |
| Kerala | 27184 | 28535 | 29924 | 31371 | 32861 | 34393 | 35964 | 37582 | 39357 |
| Tamil Nadu | 117505 | 123724 | 130189 | 136643 | 144145 | 152357 | 161349 | 170822 | 180989 |
| Puducherry | 3254 | 3387 | 3521 | 3664 | 3809 | 3959 | 4114 | 4279 | 4448 |
| **Southern Region** | **352549** | **376376** | **399047** | **420753** | **443754** | **468380** | **494301** | **521717** | **550992** |
| Bihar | 28637 | 31017 | 35152 | 38416 | 41208 | 43926 | 46735 | 50717 | 54363 |
| Jharkhand | 25880 | 27488 | 29052 | 30649 | 32209 | 33850 | 35544 | 37354 | 39252 |
| Odisha | 29124 | 30302 | 31224 | 32164 | 33172 | 34163 | 35219 | 36326 | 37453 |
| West Bengal | 61485 | 63979 | 66634 | 69361 | 72222 | 75264 | 78463 | 81915 | 85590 |
| Sikkim | 548 | 577 | 607 | 638 | 669 | 702 | 737 | 773 | 810 |
| **Eastern Region** | **145674** | **153363** | **162669** | **171228** | **179480** | **187906** | **196698** | **207085** | **217468** |
| Assam | 10831 | 11894 | 12959 | 14051 | 15164 | 16355 | 17631 | 18998 | 20462 |
| Manipur | 1592 | 1769 | 1925 | 2103 | 2300 | 2515 | 2760 | 3020 | 3300 |
| Meghalaya | 2242 | 2378 | 2470 | 2566 | 2667 | 2771 | 2900 | 3036 | 3177 |
| Nagaland | 930 | 992 | 1059 | 1129 | 1200 | 1275 | 1356 | 1441 | 1524 |
| Tripura | 1394 | 1456 | 1525 | 1595 | 1661 | 1731 | 1796 | 1866 | 1930 |
| Arunachal Pradesh | 1089 | 1210 | 1345 | 1498 | 1669 | 1863 | 2081 | 2326 | 2601 |
| Mizoram | 681 | 737 | 799 | 866 | 937 | 1013 | 1095 | 1181 | 1307 |
| **North E. Region** | **18758** | **20437** | **22083** | **23809** | **25598** | **27523** | **29619** | **31869** | **34301** |
| Andaman & Nicobar | 385 | 414 | 446 | 475 | 504 | 535 | 566 | 598 | 632 |
| Lakshadweep | 55 | 57 | 59 | 62 | 64 | 66 | 68 | 70 | 73 |
| **All India** | **1317962** | **1399913** | **1483257** | **1566023** | **1650594** | **1739618** | **1836001** | **1939111** | **2047434** |

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**State-wise peak demand as projected by the 19th EPS (published in January 2017) for the year 2018-19 to 2026-27**

**(Figures in MW)**

| State/UTs | 2018-19 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 |
|---|---|---|---|---|---|---|---|---|---|
| Delhi | 6764 | 6997 | 7233 | 7471 | 7712 | 7954 | 8217 | 8482 | 8751 |
| Haryana | 10397 | 10975 | 11596 | 12222 | 12819 | 13501 | 14415 | 15398 | 16451 |
| Himachal Pradesh | 1683 | 1751 | 1822 | 1898 | 1977 | 2059 | 2146 | 2236 | 2331 |
| Jammu & Kashmir | 2565 | 2733 | 2920 | 3095 | 3332 | 3585 | 3859 | 4157 | 4482 |
| Punjab | 12914 | 13559 | 14216 | 14886 | 15654 | 16431 | 17217 | 18009 | 18809 |
| Rajasthan | 12540 | 13133 | 13761 | 14435 | 15176 | 16048 | 17282 | 18651 | 20131 |
| Uttar Pradesh | 18821 | 20334 | 21948 | 23664 | 25331 | 26658 | 28053 | 29522 | 31064 |
| Uttarakhand | 2536 | 2739 | 2953 | 3180 | 3420 | 3675 | 3945 | 4232 | 4538 |
| Chandigarh | 441 | 457 | 474 | 491 | 509 | 527 | 546 | 566 | 587 |
| **Northern Region** | 62279 | 65919 | 69766 | 73770 | 77929 | 82017 | 86776 | 91835 | 97182 |
| Goa | 721 | 767 | 813 | 858 | 904 | 951 | 999 | 1047 | 1096 |
| Gujarat | 17734 | 18937 | 20172 | 21429 | 22730 | 24079 | 25471 | 26908 | 28387 |
| Chhattisgarh | 5080 | 5442 | 5809 | 6208 | 6613 | 7050 | 7513 | 8006 | 8518 |
| Madhya Pradesh | 12829 | 13816 | 14802 | 15676 | 16445 | 17223 | 18014 | 18840 | 19682 |
| Maharashtra | 23953 | 25544 | 27148 | 28866 | 30725 | 32717 | 34911 | 37269 | 39828 |
| D. & N. Haveli | 1026 | 1112 | 1201 | 1291 | 1385 | 1483 | 1584 | 1689 | 1798 |
| Daman & Diu | 366 | 385 | 405 | 426 | 449 | 473 | 498 | 525 | 553 |
| **Western Region** | 58654 | 62728 | 66847 | 71020 | 75275 | 79748 | 84502 | 89528 | 94825 |
| Andhra Pradesh | 9544 | 10259 | 11021 | 11843 | 12731 | 13690 | 14656 | 15698 | 16820 |
| Telangana | 11262 | 12712 | 13757 | 14499 | 15338 | 16086 | 16885 | 17738 | 18653 |
| Karnataka | 12169 | 12834 | 13534 | 14271 | 15033 | 15834 | 16674 | 17554 | 18481 |
| Kerala | 4561 | 4788 | 5021 | 5263 | 5513 | 5770 | 6034 | 6305 | 6603 |
| Tamil Nadu | 17230 | 18213 | 19240 | 20273 | 21471 | 22784 | 24225 | 25750 | 27392 |
| Puducherry | 518 | 539 | 561 | 583 | 606 | 630 | 655 | 681 | 708 |
| **Southern Region** | 52171 | 56007 | 59581 | 62975 | 66710 | 70579 | 74666 | 79002 | 83652 |
| Bihar | 4904 | 5308 | 6016 | 6576 | 7054 | 7521 | 8003 | 8681 | 9308 |
| Jharkhand | 4378 | 4656 | 4915 | 5193 | 5450 | 5733 | 6013 | 6326 | 6626 |
| Odisha | 4816 | 5016 | 5176 | 5340 | 5517 | 5691 | 5878 | 6073 | 6273 |
| West Bengal | 11267 | 11724 | 12191 | 12688 | 13318 | 13873 | 14435 | 15065 | 15680 |
| Sikkim | 146 | 154 | 162 | 170 | 179 | 187 | 197 | 206 | 216 |
| **Eastern Region** | 23868 | 25130 | 26633 | 28046 | 29500 | 30895 | 32319 | 34031 | 35674 |
| Assam | 2091 | 2297 | 2502 | 2713 | 2979 | 3271 | 3590 | 3868 | 4166 |
| Manipur | 303 | 339 | 372 | 410 | 453 | 499 | 553 | 611 | 667 |
| Meghalaya | 427 | 453 | 470 | 488 | 508 | 528 | 552 | 578 | 605 |
| Nagaland | 191 | 204 | 219 | 234 | 250 | 266 | 284 | 303 | 322 |
| Tripura | 333 | 351 | 371 | 391 | 411 | 432 | 452 | 474 | 495 |
| Arunachal Pradesh | 202 | 224 | 249 | 278 | 309 | 345 | 386 | 431 | 482 |
| Mizoram | 137 | 148 | 159 | 171 | 185 | 199 | 213 | 229 | 252 |
| **North E. Region** | 3537 | 3856 | 4170 | 4499 | 4891 | 5319 | 5790 | 6235 | 6710 |
| Andaman & Nicobar | 78 | 84 | 91 | 97 | 103 | 109 | 115 | 122 | 129 |
| Lakshadweep | 10 | 11 | 11 | 11 | 12 | 12 | 13 | 13 | 13 |
| **All India** | **188360** | **200696** | **213244** | **225751** | **238899** | **252288** | **266844** | **282418** | **298774** |

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