

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3099
ANSWERED ON 16.12.2021**

STATUS OF UPGRADATION TO PREPAID METERS

3099. SHRI DUSHYANT SINGH:

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

- (a) whether the Government has fixed any timeline in installation of prepaid or smart electricity meters all over the country in place of old meters and if so, the details thereof;**
- (b) the details of the current status of upgradation to prepaid meters, State-wise;**
- (c) whether the Government has any intention to fix prepaid meters for agricultural connections also and if so, the details thereof;**
- (d) whether the Government is offering any financial assistance in installation of prepaid meters to the various State Governments;**
- (e) if so, the details of such assistance, State-wise and if not, the reasons therefor; and**
- (f) the details of the companies involved in the supply and fixing of the meters along with the effectiveness of the prepaid collections in the installed States after upgradation, State-wise?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) to (c) : Government of India has provided funds to the States for implementation of smart metering under National Smart Grid Mission (NSGM) and Integrated Power Development Scheme (IPDS). Further, under the Revamped Distribution Sector Scheme (RDSS) launched by Government of India on 20th July, 2021, provisions have been made to install 25 Crore pre-paid smart meters across the country by March, 2025. Priority would be accorded to (i) all Electricity Divisions of 500 AMRUT cities, with AT&C Losses > 15%, (ii) all Union Territories, (iii) MSMEs and all other Industrial and Commercial consumers, (iv) all Government offices at Block level and above and (v) other areas with high losses for installation by Dec., 2023. RDSS does not mandate smart metering for agricultural consumers. The details of smart meters, including prepaid smart meters already installed in the country are available as Annexure.

(d) & (e) : The Revamped Distribution Sector Scheme (RDSS) envisages smart metering on OPEX mode and provides financial support to DISCOMs opting for prepaid smart metering. Under the scheme, in “Other than Special Category States”, a fixed amount of 15% (22.5% in case of Special Category States) of the cost per meter worked out over the whole project period, subject to a maximum of Rs.900/- (Rs.1350/- in case of special category States) per meter in case of consumer meters, will be funded.

States/UTs would be incentivised for deployment of prepaid Smart meters by December, 2023. An incentive @ 7.5% of the cost per consumer meter worked out for the whole project or Rs.450 per consumer meter, whichever is lower, would be provided for “Other than Special Category States” for prepaid Smart Meters installed within the targeted timeline of first phase mission i.e. by December, 2023. The incentive for Special Category States would be @ 11.25 % of the cost per consumer meter worked out for the whole project or Rs.675 per consumer meter, whichever is lower.

For the purpose of execution of this scheme, all North Eastern States including Sikkim and States of Himachal Pradesh & Uttarakhand and Union Territories of Jammu & Kashmir, Ladakh, Andaman & Nicobar Islands, and Lakshadweep will be treated as Special Category States/UTs.

(f) : While there are several agencies which have installed smart metering components across the States, large scale deployment of prepaid smart meters has been done by Energy Efficiency Services Limited (EESL) in Bihar. As per information made available by South Bihar Power Distribution Company Limited (SBPDCL), collections after installation of prepaid Smart Meters have improved to the extent of 20%.

ANNEXURE

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (c) OF UNSTARRED QUESTION NO.3099 ANSWERED IN THE LOK SABHA ON 16.12.2021

| State/UT-wise data of Smart metering (as on 09-12-2021) | | | | |
|--|---------------------------|--------------------------|-------------------------------|---------------------------------------|
| Sl. No. | States/UTs | Utility | Installed Smart Meters | Installed Smart Prepaid Meters |
| 1 | Andaman & Nicobar Islands | EDANI | 66,308 | |
| 2 | Assam | APDCL | 180,416 | 5,430 |
| 3 | Bihar | NBPDCL | 143,011 | 142,225 |
| | | SBPDCL | 209,275 | 208,471 |
| | | Bihar Total | 352,286 | 350,696 |
| 4 | Chandigarh | CED | 16,931 | |
| 5 | Delhi | NDMC | 61,449 | |
| | | TPDDL | 195,000 | |
| | | Delhi Total | 256,449 | |
| 6 | Gujarat | UGVCL | 23,760 | |
| 7 | Haryana | UHBVN | 217,365 | 366 |
| | | DHBVN | 157,672 | 7 |
| | | Haryana Total | 375,037 | 373 |
| 8 | Himachal Pradesh | HPSEB | 24,469 | |
| 9 | Jammu and Kashmir | JKPDD | 13,831 | |
| 10 | Karnataka | CESCOM | 20,916 | |
| 11 | Kerala | CPT | 780 | |
| 12 | Madhya Pradesh | MP-West | 215,110 | |
| 13 | Odisha | OPTCL | 4,000 | |
| 14 | Puducherry | PED | 30,568 | |
| 15 | Punjab | PSPCL | 53,000 | |
| 16 | Rajasthan | JaVVNL | 282,119 | |
| | | AVVNL | 57,501 | |
| | | JdVVNL | 38,839 | |
| | | Rajasthan Total | 378,459 | |
| 17 | Tamil Nadu | TANGEDCO | 52,482 | |
| 18 | Tripura | TSECL | 43,081 | |
| 19 | Telangana | TSSPDCL | 8,882 | |
| 20 | Uttar Pradesh | MVVNL | 378,838 | 3,337 |
| | | PVVNL | 198,726 | 20 |
| | | DVVNL | 147,991 | 127 |
| | | PuVVNL | 321,433 | 1,135 |
| | | KESCO | 107,346 | 60,266 |
| | | UP Total | 1,154,334 | 64,885 |
| 21 | West Bengal | WBSEDCL | 5,164 | |
| | | CESC | 10,000 | |
| | | West Bengal Total | 15,164 | |
| Grand Total | | | 32,86,263 | 421,384 |

(Source: NSGM website)
