

**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.2450  
ANSWERED ON 03.08.2023**

**INSTALLATION OF SMART METERS**

**†2450. SHRI PARBATBHAI SAVABHAI PATEL:**

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

- (a) the details of the total number of smart meters installed in Gujarat, district-wise; and**
- (b) the details of criteria set for ensuring quality management for installing the smart meters?**

**A N S W E R**

**THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY**

**(SHRI R.K. SINGH)**

**(a) : Total, 23,760 no. of Smart Meters have been installed in Naroda circle area of Ahmedabad district, Gujarat under Smart Grid Pilot Project. Further, under the recently launched Revamped Distribution Sector Scheme (RDSS), financial assistance is being provided to the eligible DISCOMs including DISCOMs of Gujarat, for installation of Smart Meters. Details of Smart Meters sanctioned for the State of Gujarat under RDSS are at Annexure.**

**(b) : Under RDSS, Project Management Agency (PMA) is to be appointed by DISCOMs. The role of the PMA includes quality assurance. Further, an independent Third Party Quality Monitoring Agency (TPQMA) is to be appointed by the Nodal Agencies (REC and PFC) to carry out concurrent inspection of works implemented under RDSS. Government Budgetary Support (GBS) for PMA and TPQMA will be provided as per the scheme guidelines.**

**In addition to above, a Model Standard Bidding Document (SBD) for implementation of Smart Metering projects in the country has been prepared and released for adoption by the States/ DISCOMs for nationwide rollout of smart meters. The SBD covers detailed clauses for supply, installation, integration, testing and commissioning of Smart Meters as well as for tests, inspections and management of the Quality Assurance/ Quality Control of Smart Meters. The major clause of SBD regarding Quality Assurance is as under:**

- i. Testing during Development Phase: Type testing is done to ensure that the design, process of manufacture and general conformity of the product are as per standards.**
- ii. Quality Assurance and Quality Control Program: A Quality Assurance Program comprising details about the specific quality control procedure including Organizational structure is to be submitted by the AMISP.**
- iii. Factory Acceptance Test (FAT): FAT is conducted on all the equipment that includes Verification of all functional characteristics and requirements specified. It also covers Inspection & verification of all construction, wiring, labelling, documentation, and completeness of the hardware.**
- iv. Field Installation and Integration Test (FIIT): After successful completion of FAT, FIIT testing is performed to ensure successful operation of the installed smart metering system.**
- v. Site Acceptance Test (SAT): SAT is conducted to test the functioning of the complete system including cloud data Centre and its hardware and software components along with supply, installation & integration of Smart Meters/ DCUs (along with its related hardware and software equipment).**
- vi. Service Level Agreements (SLAs): SLAs are defined to manage the system performance during Operations Phase.**

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**ANNEXURE****ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2450 ANSWERED IN THE LOK SABHA ON 03.08.2023**

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**Smart meters sanctioned for Gujarat under RDSS:**

<b>Sl. No.</b>	<b>DISCOMs</b>	<b>Pre-paid smart consumer meter</b>	<b>Smart DT meter</b>	<b>Smart Feeder meter</b>	<b>Total Meters</b>
<b>1</b>	<b>Dakshin Gujarat Vij Company Limited (DGVCL)</b>	<b>40,78,120</b>	<b>82,336</b>		<b>41,60,456</b>
<b>2</b>	<b>Madhya Gujarat Vij Company Limited (MGVCL)</b>	<b>32,99,991</b>	<b>56,129</b>		<b>33,56,120</b>
<b>3</b>	<b>Paschim Gujarat Vij Company Limited (PGVCL)</b>	<b>55,83,509</b>	<b>1,09,130</b>		<b>56,92,639</b>
<b>4</b>	<b>Uttar Gujarat Vij Company Limited (UGVCL)</b>	<b>35,20,251</b>	<b>52,892</b>	<b>5,229</b>	<b>35,78,372</b>
	<b>Total</b>	<b>1,64,81,871</b>	<b>3,00,487</b>	<b>5,229</b>	<b>1,67,87,587</b>

**Currently, the DISCOMs are in process of tendering and award of sanctioned smart metering works.**

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