

GOVERNMENT OF INDIA  
MINISTRY OF JAL SHAKTI  
DEPARTMENT OF DRINKING WATER & SANITATION  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 3080**  
ANSWERED ON 18.12.2025

**SOLAR BASED WATER SCHEMES**

†3080. SHRI BHOJRAJ NAG:

SHRI RAVINDRA SHUKLA ALIAS RAVI KISHAN:

SHRI CHAVDA VINOD LAKHAMSHI:

SMT. APARAJITA SARANGI:

SHRI DULU MAHATO:

SMT. KAMALJEET SEHRAWAT:

SHRI NABA CHARAN MAJHI:

SHRI MANISH JAISWAL:

SHRI SHANKAR LALWANI:

SHRI RAJKUMAR CHAHAR:

Will the Minister of JAL SHAKTI be pleased to state:

- (a) the measures taken/being taken by the Government for the successful implementation of solar-based water schemes;
- (b) whether the Government has a list of villages facing acute shortage of drinking water despite having approved households and if so, the details thereof; and
- (c) the initiatives taken/likely to be taken by the Government to provide a reserve system or immediate service for solar energy pumps in a situation where construction of houses is at halt due to non-availability of drinking water?

**ANSWER**

THE MINISTER OF STATE FOR JAL SHAKTI  
(SHRI V. SOMANNA)

(a) to (c) Drinking Water being a State subject, and it is States, who plan, design, approve and implement drinking water supply schemes *inter alia* including solar-based water schemes. Government of India supplements the efforts of the States by providing technical and financial assistance.

Since August 2019, Government of India, in partnership with States, is implementing Jal Jeevan Mission (JJM) – Har Ghar Jal to make provision of potable water in adequate quantity of prescribed quality and on regular and long-term basis to every rural household of the country through functional tap water connection.

At the time of announcement of Jal Jeevan Mission, 3.23 Crore (17%) rural households were reported to have tap water connections. So far, as reported by States/ UTs as on 16.12.2025, around 12.53 Crore additional rural households have been provided with tap water connections. Thus, as on 16.12.2025, out of 19.36 Crore rural households, in around 5.86 lakh villages, in the country, more than 15.76 Crore (81.42%) households spread around 5.82 lakh villages, are reported to have tap water supply in their homes and works for the remaining households are at various stages of completion as per saturation plan of the respective State/ UT. Further, as on 16.12.2025, more than 2.69 lakh villages are reported as 'Har Ghar Jal' i.e. 100% rural households are having tap water supply. State/ UT-wise details are available in public domain and accessible through JJM-IMIS at:

[https://ejalshakti.gov.in/JJM/JJMReports/Physical/Rpt\\_JJM\\_VillageWisePWSReport.aspx](https://ejalshakti.gov.in/JJM/JJMReports/Physical/Rpt_JJM_VillageWisePWSReport.aspx)

Under JJM, provisions like exploring installation of solar energy powered standalone water supply system in scattered/ isolated/ tribal/ hilly villages; preferring use solar power pumping arrangements for single village water supply schemes; and conjunctive use of solar power based pumping system in multi-village water supply schemes, etc. have been made for usage of renewable energy in rural water supply schemes.

Further, to ensure effective implementation and monitoring of the ongoing works *inter alia* including solar-based water schemes, a comprehensive multi-level and multi-format system of monitoring *inter alia* regular review of implementation, workshops/ conferences/ webinars for capacity building, training, knowledge sharing, field visits by multi-disciplinary team to provide technical support, monitoring mechanism such as geo-tagging of assets created, third-party inspections before making payments, etc. have been put in place. Moreover, aiming at improving efficiency and effectiveness, steps like Village/ District Dashboards and linking Village Level Dashboards to eGramswaraj portal, District Collectors' Peyjal Samvad, Institutionalization of Role of National WASH Experts (NWEs) through IMIS module, Role of TPIAs, strengthened collaboration with line Ministries, Decision Support System for strengthening Source Sustainability, Handbook on Community Managed Piped Water Systems, Unique ID for integrated Piped Water System, etc. have recently been taken up under JJM.

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