GOVERNMENT OF INDIA
MINISTRY OF POWER

LOK SABHA
UNSTARRED QUESTION NO.815
ANSWERED ON 24.07.2025

POWER SUPPLY IN LAKSHADWEEP

815. SHRI MUHAMMED HAMDULLAH SAYEED:

Will the Minister of POWER
be pleased to state:

(a) whether the Government is aware that the power supply in the Union Territory of Lakshadweep is entirely dependent on Diesel Generator (DG) sets without any backup systems in place and if so, the details thereof;

(b) whether the Government proposes to provide additional DG sets on all islands to prevent prolonged power outages and if so, the details thereof;

(c) whether there is any proposal to appoint specialist technicians on ad-hoc or permanent basis to address technical failures in DG sets and if so, the details thereof; and

(d) the steps taken or proposed to be taken by the Government to ensure uninterrupted power supply in all inhabited islands of the Union Territory of Lakshadweep?

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a) : The primary source of power supply in the Union Territory of Lakshadweep is diesel generator (DG) sets, with a total installed capacity of 33.88 MVA to meet the peak demand of 13.3 MW for the year 2024–25. In addition to diesel-based generation, the Lakshadweep Electricity Department is also harnessing solar energy through the following systems:

1. **A 1400 kWp Solar PV Plant with a 1400 kWh Battery Energy Storage System (BESS) at Kavaratti.**
2. **A 300 kWp Solar PV Plant at Agatti Island.**
3. **An aggregate of 1603 kWp solar capacity from 538 rooftop solar systems is installed and commissioned across the islands.**

(b) : The Lakshadweep Electricity Department continually assesses the demand and augments generation capacity accordingly. The Details of commissioned, under installation and proposed DG set during 2025-2026 are given below.

A –Commissioned:

1	1 x 1010 kVA at Agatti.
2	2 x 1010 kVA at Andrott
3	1 x 750 kVA at Chetlat

B - Currently Under Installation:

1	1 x 1010 kVA at Minicoy
2	1 x 1010 kVA at Amini
3	1 x 1010 kVA at Kiltan
4	1 x 1500 kVA at Kavaratti

.....2.

C - Proposed for 2025-26 (Tendered):

1	1 x 1010 kVA at Kiltan
2	1 x 1010 kVA at Kalpeni
3	1 x 1010 kVA at Agatti
4	1 x 320 kVA at Bitra
5	1 x 1500 kVA at Kavaratti

The additional diesel generator sets are available on all islands to ensure operational efficiency, reliability, and backup during emergencies. Further, this additional DG capacity is utilized during operations and maintenance (O&M) activities and in the event of any DG set failure, thereby maintaining an uninterrupted power supply.

(c) : The electricity department of UT of Lakshadweep has arrangements in place for the repair and overhauling of DG sets through qualified service personnel. In addition, a dedicated team of departmental technical staff is available on each island. As and when required, specialist technicians are engaged on a short-term or assignment basis to attend to specific faults or major repairs, ensuring minimal disruption to the power supply.

(d) : To ensure uninterrupted power supply across all inhabited islands of the UT of Lakshadweep, following steps have been taken:

A. Solar Power Plants (Ground Based):-

1. **A 1400 kWp Solar PV Plant with 1400 kWh Battery Energy Storage System I (BESS) has been commissioned at Kavaratti.**
2. **A 300 kWp Solar PV Plant has been commissioned at Agatti Island.**
3. **Work has been awarded for the installation of a 638 kWp ground-mounted Solar PV Plant with 25 kWh BESS at Androtт.**
4. **Work has been awarded for the installation of a 314 kWp ground-mounted Solar PV Plant with 12 kWh BESS at Amini.**

B. Rooftop Solar Installations:

1. **A total of 538 rooftop solar systems with an aggregate capacity of 1603 kWp have been installed and commissioned on private residential buildings across the islands.**
2. **Rooftop solar installations on Government buildings are also being taken up separately. A tender has already been floated for the installation of 2107 kWp capacity with 5525 kWh Battery Energy Storage System (BESS) to achieve this objective.**

C. Floating Solar Plant:

1. **Tenders have been floated for setting up a 6 MWp Floating Solar Power Plant with 16 MWh BESS at Kavaratti.**
2. **Tenders have been floated for setting up a 5.25 MWp Floating Solar Power Plant with 16 MWh BESS at Agatti Island.**
3. **Feasibility studies have been completed, and Environmental Impact Assessment (EIA) studies are ongoing for similar floating solar installations at Minicoy, Kadmat, Kiltan, and Chetlat Islands.**

This hybrid approach combining diesel and renewable sources, supported by energy storage systems, is aimed at ensuring energy security, reliability and sustainability in the long run.

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