

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION

RAJYA SABHA

UNSTARRED QUESTION NO. 1199

ANSWERED ON 10.03.2025

MACHU DAM – 1 IN MORBI DISTRICT

1199. SHRI KESRIDEVSINH JHALA

Will the Minister of **JAL SHAKTI** be pleased to state:

- (a) Machu Dam – 1 in Morbi district plays a crucial role in supplying drinking water to Rajkot, therefore, whether it is being considered for rehabilitation under the DRIP scheme;
- (b) if so, the details thereof;
- (c) the details of actions that have been taken by Government to maintain the safety and functionality of Machu Dam 1, given its vital role in Rajkot's water supply; and
- (d) whether Government has explored any alternative plans for the rehabilitation or improvement of Machu Dam 1, considering its essential contribution to Rajkot's drinking water supply?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI RAJ BHUSHAN CHOUDHARY)

(a) & (b) As per the proposal received from State Government of Gujarat, Machu-1 Dam is not included for rehabilitation under the externally funded Dam Rehabilitation and Improvement Project (DRIP), Phase-II & III.

(c) As informed by the State Government of Gujarat, following regular measures are being taken for ensuring safety and functionality of Machu-1 Dam:

- i. Each year, Pre-monsoon and post-monsoon inspections are carried out to examine the health status and safety aspects of dam,
- ii. The hydrology of the dam has been recently reviewed and a waste weir of 200 m, in addition to existing 487mt. long spillway, have been constructed to increase the spillway discharge capacity to pass the higher flood discharge. The present discharge capacity of both the spillway is enhanced to 11,270 cumecs from the earlier capacity of 7,391 cumecs.
- iii. Strengthening of the ground bar waste weir has been taken up to check seepage and scouring.
- iv. Routine maintenance works are taken up for upkeep of spillway and ground bar waste weir and other parts of the project.
- v. The dam is provided with all-weather road for better connectivity.

- vi. Dam is kept under constant surveillance during monsoon period.
- vii. Communication system is enhanced by installing wireless station at Machu-1 dam and storage and other dam information is exchanged with regional flood control cell for better management.
- viii. Automatic Rain gauge station, Automatic Water level recorder are also installed for obtaining real-time information.
- ix. Releases of Machu-1 dam are also shared with the authorities of downstream areas as well as surrounding areas.

(d) Government of Gujarat has informed that they have created a separate Budget head for taking up dam safety works of all the dams in State; which are not covered under the DRIP scheme. All the necessary dam safety measures for each of the dam, including Machu-1 dam, are to be taken up under this budget head.
