

DHUKWAN SHEP (24 MW) (UNDER OPERATION)

Dhukwan SHEP has been constructed at the toe of existing Dhukwan masonry cum earthen dam across Betwa River in district Jhansi, UP. The 8.22 M high existing dam is 2972 M long. The major works executed by THDCIL are Approach Channel approx. 502m long, 4 no. RCC Barrels, Intake works, HRC approx. 1451m long, Forebay, Spillway with spill channels, Surface Power House, TRC approx. 919 m long, Cross Drainage Works and Switchyard. Annual Energy Generation shall be 97.82 MU at 46.53% load factor (as per availability of water).

COMMISSIONING OF PROJECT:

Project has been commissioned on 20.12.2019.

COD Permission:

PPA signed with UPPCL of Dhukwan Project was approved by Hon'ble UPERC on 13.05.2020. UPPCL vide letter no.-112/CE/PPA-R, dtd. 05.06.20, consented the COD of Dhukwan SHEP at 00:00 Hrs on date 13.01.2020.

TARIFF: UPERC approved the fixed Tariff of Rs.4.87/kwh, vide order dated 19.05.2020 with effect from Commercial Operation date of Dhukwan SHEP. MOU for water permission was signed with GoUP on 28th Aug'20.

GENERATION:

S.No.	Years	Generation	
		Target (MU)	Achievement (MU)
1	2020-21	86.00	72.24
2	2021-22	60.00	58.25
3	2022-23	60.00	82.47
4	2023-24	80.26	74.89
5	2024-25	78.00	75.45
Total Generation		364.26	363.30

Details of generation from Dhukwan SHEP for the current F.Y. 2025-26 are as under:

Sl.No.	Quarter/ Month	Generation	
		Target (MU)	Achievement (MU)
1	Apr'25 to Jun'25	10.00	09.84
2	Jul'25 to Sep'25	11.50	34.67
3	Oct'25	12.50	06.52
4	Nov'25	14.00	02.06
5	Dec'25	10.00	05.54
Total (up to Dec'25)		58.00	58.63

Cumulative generation during F.Y. 2025-26 up to Dec'25 is 58.63 MU against the target of 58.00 MU and cumulative PAF achieved is 37.02%.

Note: Generation is being done as per the Head availability and Water discharge from reservoir by UPID.