

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
Total Generation		286.26	287.85

Details of generation from Dhukwan SHEP for the current F.Y. 2024-25 are as under:

Sl.No.	Quarter/ Month	Generation	
		Target (MU)	Achievement (MU)
1	Apr'24 to Jun'24	10.00	5.61
2	Jul'24	2.50	1.90
3	Aug'24	0.00	12.55
4	Sep'24	9.00	11.77
Total (up to Sep'24)		21.50	31.83

Cumulative generation during FY 2024-25 up to Sep'24 is 31.83 MU against the target of 21.50 MU and cumulative PAF achieved is 30.19 %.

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