

KOTESHWAR HEP (400 MW) (UNDER OPERATION)

Koteshwar Hydro-Electric Plant (400 MW), located 22 km downstream of Tehri, is an integral part of Tehri Power Complex that comprises of Tehri Dam & HPP (1000 MW), Tehri PSP (1000 MW) and Koteshwar HEP (400 MW) built to develop Hydro-electric potential of river Bhagirathi. It facilitates the functioning of Tehri Power Complex as a major peaking station in Northern Grid, as reservoir created by Koteshwar Dam having a live storage capacity of 35 MCM functions as lower (balancing) reservoir for Tehri PSP. This plant is also regulating water releases from Tehri reservoir for irrigation and drinking purposes.

COMMISSIONING OF PROJECT

All four units (Unit-I, Unit-II, Unit-III & Unit-IV) were synchronized with the Northern Grid in Mar'2011, Mar'2011, Jan'2012 & Mar'2012 respectively and are in commercial operation w.e.f. 01.04.2011, 26.10.2011, 13.02.2012 & 01.04.2012 respectively.

GENERATION

Details of generation from Koteshwar HEP are as under:

S.No.	Years	Generation	
		Target (MU)	Achievement (MU)
1	2011-12	537.00	607.60
2	2012-13	1145.00	1164.05
3	2013-14	1155.00	1521.83
4	2014-15	1170.00	1210.17
5	2015-16	1080.00	1247.21
6	2016-17	1224.30	1224.54
7	2017-18	1224.86	1220.33
8	2018-19	1230.00	1223.80
9	2019-20	1186.05	1203.20
10	2020-21	1185.00	1221.45
11	2021-22	1160.08	1190.69
12	2022-23	1160.33	1255.20
13	2023-24	1160.00	1193.16
Total		14617.62	15483.23

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

S.No.	Quarter/ Month	Generation	
		Target (MU)	Achievement (MU)
1	Apr'24 to Jun'24	142.80	146.80
2	Jul'24 to Sep'24	495.31	527.52
3	Oct'24	87.38	83.63
Total (up to Oct'24)		725.49	757.95

Cumulative generation during F.Y.2024-25 till Oct'24 is 757.95 MU against the target of 725.49 MU and average cumulative PAF achieved is 57.00% against target of 67.96%.

TARIFF:

The tariff for the period 2019-24 for Koteshwar HEP (400 MW) has been approved by Hon'ble Commission in Petition No. 244/GT/2020. KoteshwarHEP has been outsourced for operation to M/s BOMS Pvt Ltd. on 20.02.2023 for a period of two years with effect from 20.03.2023.

COMPLETION COST:

Govt. of India approved the implementation of Koteshwar Hydro Electric Project (4 X 100 MW) in Apr'2000 at a cost of ₹1301.56cr including IDC of ₹190.04cr at Oct.'1999 price level. CCEA in its meeting held on 06.03.2017 approved the Revised Cost Estimate (RCE-1) at an estimated completion cost of ₹2717.35cr.