



भारत सरकार/ **Government of India**
विद्युत मंत्रालय/ **Ministry of Power**
केन्द्रीय विद्युत प्राधिकरण/ **Central Electricity Authority**
स्वच्छ ऊर्जा एवं ऊर्जा परिवर्तन प्रभाग
Clean Energy & Energy Transition Division

सेवा में,

सूची के अनुसार/ As per list,

विषय: संभावित एल नीनो परिस्थितियों के मद्देनजर तापीय विद्युत संयंत्रों में जल संरक्षण तथा जल के कुशल प्रबंधन के संबंध में परामर्श।

Subject: Advisory regarding water conservation and efficient water management in Thermal Power Plants in view of the anticipated El Niño conditions- regd.

महोदय/महोदया,

In light of the El Niño forecasts issued by the India Meteorological Department (IMD) and other global climate authorities, a general depletion of water levels across major river basins and reservoirs is anticipated. Consequently, the water consumption at the end of Thermal power plants need to be optimized to tackle acute shortage of water in river basins/water bodies, not only it is expected to be within the notified limits of water consumption, but it is also advisable to save the water to maximum extent through step such as:-

- Optimizing cooling water requirements by operating the power plant at a higher Cycle of Concentration (CoC), with optimum dosing of chemicals in the closed-cycle cooling system, and by eliminating leakages and minimising evaporation losses in the open-cycle cooling system.
- Using high-concentration slurry disposal pumps and maximising recirculation of water from the ash dyke through the Ash Water Recirculation System.
- Minimizing leakages and preventing the misuse of hydrant lines for general cleaning purposes.
- Using drip and sprinkler irrigation systems in the horticulture adopted in plant and colony premises.

- e) Adopting water conservation measures such as rainwater harvesting, awareness initiatives, groundwater recharge, etc.
- f) Measures shall be taken to reduce, reuse, and recycle water to minimize overall water consumption and, wherever applicable, achieve zero wastewater discharge.

In addition to the above, any other measure to reduce the consumption of water may be taken.

With Regards,
Digitally signed by
Manjari Chaturvedi
Date: 06-07-2026
12:10:54
मंजरी चतुर्वेदी/Manjari Chaturvedi
मुख्य अभियन्ता /Chief Engineer