

Easy

Assistant Engineer (Electrical), Class 2025

Building Department

Which of the following has the highest operating cost?

A

Hydroelectric power plant

B

Thermal power plant

Correct

C

Nuclear power plant

D

Solar electric power plant

Correct Answer: B

Full Detailed Explanation

Concept & Reasoning Operating cost is different from initial capital cost. Thermal stations can have lower initial cost than large hydro/nuclear projects, but coal/gas/oil fuel expense dominates recurring cost. Nuclear fuel volume is small even though nuclear plants have high capital, safety and decommissioning costs. How to Solve It in the Exam High recurring fuel requirement → high operating cost. Important Exam Point Read whether question asks capital cost or operating cost. Related Revision Path This question sits in the revision path Power Plant Engineering → Power Plant Economics → Operating Cost .

Open live question on website:

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