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**KAKRAPAR ATOMIC POWER STATION(KAPS)**

**(NPCIL)**

**Arranged by**

**Electrical Engineering Department,**

**A.Y.DADABHAI TECHNICAL INSTITUTE, KOSAMBA**

**VISIT REPORT:**

**Date:-** 13/11/2019

**Department:S-** Electrical Engineering

**Semester:- 1ST**

**Subject:-** Electrical Power Generation

**No Of Students:-** 56

**Name Of Faculty:-**

1. Mr. M. Y. PATEL (Lecturer)
2. MR.R.J.SINGH (Lecturer)
3. MR.J.C.PARMAR(LAB ASSISTANT)
4. MR.H.N.DESAI (LAB TECHNICIAN)

**Name Of Place/Company Visited-KAKRAPAR ATOMIC POWER STATION (KAPS)**

**About Company & Visit**

On the **13th NOVEMBER 2019** our electrical Department has arranged an industrial visit for our 1ST sem students. Total 56 students & four faculty members had visited **KAKRAPAR ATOMIC POWER STATION (KAPS)**

**TECHNICAL DATA OF KAKRAPAR ATOMIC POWER STATION (KAPS)**

**Kakrapar Atomic Power Station** is a [nuclear power](https://en.wikipedia.org/wiki/Nuclear_power) station in [India](https://en.wikipedia.org/wiki/India), which lies in the proximity of the city of [Vyara](https://en.wikipedia.org/wiki/Vyara) in the state of [Gujarat](https://en.wikipedia.org/wiki/Gujarat). It consists of two 220 MW [pressurised water reactor](https://en.wikipedia.org/wiki/Pressurised_water_reactor) with [heavy water](https://en.wikipedia.org/wiki/Heavy_water) as moderator (PHWR). KAPS-1 went critical on 3 September 1992 and began commercial electricity production a few months later on 6 May 1993. KAPS-2 went critical on 8 January 1995 and began commercial production on 1 September 1995. In January 2003, [CANDU Owners Group](https://en.wikipedia.org/wiki/CANDU_Owners_Group) (COG) declared KAPS as the best performing pressurised heavy water reactor.

**Units**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Unit** | **Type** | **Gross MW** | **Construction start** | **Operation start** |
| Kakrapar 1 | [PHWR](https://en.wikipedia.org/wiki/PHWR) | 220 | 1 December 1984 | 6 May 1993 |
| Kakrapar 2 | PHWR | 220 | 1 April 1985 | 1 September 1995 |
| Kakrapar 3 | PHWR | 700 | 22 November 2010 | *2019/20* (Expected) |
| Kakrapar 4 | PHWR | 700 | 22 November 2010 | *2019/20* (Expected) |

**PHOTO GALLERY:**

