

## **ABOUT US**

### **KAIGA GENERATING STATION**

NPCIL's sixth Nuclear Site, Kaiga houses four Pressurised Heavy Water Reactor Units each of 220 MWe. All the four units are operating at rated capacity satisfactorily. The Kaiga –DAE centre is located in the Kaiga village of Uttara Kannada district of Karnataka state about 56 km east of beach town Karwar at a latitude of 14.86 ° N and longitude of 74.44 ° E. The nearest railway station is Karwar on the Konkan Railway. National highway -17 connecting Cochin (Kerala state) and Mumbai (Maharashtra state) passes through Karwar. There are two roads that lead to Kaiga site from Karwar.

The nearest airport is Dabolim airport at Goa about 150 kilometers from the Kaiga DAE centre. A naval base (Project- SEABIRD) is set up at Karwar about 60 Km from Kaiga DAE centre. The site is situated 12 Kms. upstream of the Kadra Dam of Kalinadi Hydroelectric Project Complex. The Supa Dam, Pickup Dam near Bommanhall, Nagjhari (Only power house) & Kodasalli Dam on the upstream of Kaiga site and Kadra dam on the downstream. Kaiga site is bounded by the Kali River on the northern side.

The milestones are as follows:

MILE STONE	KGS-1	KGS-2	KGS-3	KGS-4
FIRST CRITICALITY	26.09.2000	24.09.1999	26.02.2007	27.11.2010
FIRST SYNCRONISATION	12.10.2000	02.12.1999	11.04.2007	19.01.2011
COMMERCIAL OPERATION	13.11.2000	16.03.2000	06.05.2007	20.01.2011
LONGEST CONTINUOUS RUN (DAYS)	962	698	542	550

All the four units are operating safely and reliably supplying electricity to the southern grid. NPCIL units have operated continuously for over 300 days on 62 occasions. Of these, the units at Kaiga site have operated continuously for over 300 days 21 times.

Kaiga Generating Station has been bestowed with honours and accreditations by various agencies in recognition of its good performance. These include Gold shield for outstanding performance, certificates for good performance from the Central Electricity Authority (CEA), Shresta Suraksha Puraskar, Unnata Suraksha Puraskar, Prashansa Patra from the National Safety Council, Gold and Silver award from Green tech foundation, AERB Safety awards, NPCIL industrial safety awards and Special reward for excellent performance among NPCIL stations and Awards from DGFASLI.

NPCIL while expanding the nuclear energy is also contributing towards development of local community in a significant manner in the vicinity of Kaiga under Corporate Social Responsibility

(CSR) in the areas of Education, Health and Infrastructure. NPCIL is committed to contribute for improvement of the quality of life of local community and society at large.

Kaiga site and Township are ISO 14001, IS 45001 and (ISO/IS 9001:2008) certified demonstrating our commitment towards protection and conservation of nature. NPCIL has voluntarily taken up Environment Stewardship Programme (ESP), besides fulfilling regulatory and statutory requirements. The programme focuses on the scientific study of bio-diversity, particularly avifauna, within and around exclusion zones of Indian nuclear power plants for the conservation of habitat. This includes training of local volunteers, conducting public awareness campaigns to sensitize members of public on environment and improving the natural habitat, particularly of avifauna. NPCIL as a responsible corporate citizen believes that these efforts will help in promoting habitat conservation and awareness of the importance of a healthy environment to make the world a better place to live in. NPCIL while producing electricity in an environmentally benign manner would continue its endeavour towards protection and conservation of nature.