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परमाणु ऊर्जा नियामक परिषद
ATOMIC ENERGY REGULATORY BOARD

No. AERB/NPSD/ADR/CN/SR/583310/2026/00230

February 24, 2026

CONSENT FOR FIRST POUR OF CONCRETE FOR KAIGA-5&6

Ref.: Revised Application for First Pour of Concrete (FPC) Consent for Kaiga-5&6;
NPCIL/Kaiga Site-5&6/ PD/ 2024/S/485 dated November 03, 2025

Consent No.	KAIGA-5&6/CN/FPC/0/24022026
Stage of Consent	First Pour of Concrete (FPC) for Kaiga-5&6
Applicant	Nuclear Power Corporation of India Limited (NPCIL) Project Director, Kaiga-5&6 (authorised by CMD, NPCIL), submitted an Application for First Pour of Concrete (FPC) Consent for 2x700MWe Pressurised Heavy Water Reactor (PHWR) based Nuclear Power Plants (Kaiga-5&6) at Kaiga site [Ref.]
Brief description of Nuclear Power Project	Name: Kaiga-5&6 Nuclear Power Project Type: 700 MWe Pressurized Heavy Water Reactor (PHWR) based Nuclear Power Plant Reference Plant: Kakrapar Atomic Power Station (KAPS)-3&4 (700MWe PHWRs) Location: Kaiga Site, Karwar, Uttara Kannada, Karnataka-581400. Present Status: Excavation activities for identified safety related structures at Kaiga-5&6 have been completed. Post-excavation investigations for Nuclear Building (NB), Control Building (CB) and Station Auxiliary Building (SAB) have been completed and are nearing completion for other structures. Preparatory activities for First Pour of Concrete (FPC) are in progress.
Basis of issuing the Consent	Regulatory requirements as per AERB Safety Codes, Standards and Guides, AERB/SC/G (Regulation of Nuclear & Radiation facilities), AERB/NPP&RR/SG/G-1 (Consenting Process for Nuclear Power Plants and Research Reactors), AERB/NPP-PHWR/SC/D (Rev.1) (Design of Pressurised Heavy Water



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	Reactor based Nuclear Power plants), AERB/NPP/SC/QA (Rev.1) (Quality Assurance in Nuclear Power Plants) and Atomic Energy (Factories) Rules, 1996. Satisfactory compliance to the Safety Review Plan for First Pour of Concrete of Kaiga-5&6.
Regulatory Review	After initial safety review by Nuclear Projects Safety Division (NPSD) and identified Review Groups/Divisions of AERB, the Application and supporting submissions were reviewed by Tier-I and Tier II regulatory committees. Taking into account these reviews, the application was considered and approved by the Board of AERB in its meeting#156.
Responsibility of Safety	The Prime responsibility for safety of the facility or activity lies with the Consentee. It is the responsibility of Consentee to comply with safety requirements as specified in the Regulations.
Other Statutory requirements	Consentee shall ensure that all necessary statutory clearances are obtained and valid for present stage of Consent, i.e. First Pour of Concrete (FPC) of Kaiga-5&6.
AERB Stipulations and Conditions	Refer Annexure.

Based on satisfactory regulatory review as brought out above, Consent is hereby granted for First Pour of Concrete for Kaiga-5&6, subject to satisfactory compliance to the Stipulations and Conditions, as brought out in Annexure. The Consent will be subject to re-review for any non-compliance to the Stipulations and Conditions.

This Consent is valid upto February 28, 2031. The construction activities as per AERB/NPP&RR/SG/G-1 shall be completed within the validity period.

Encl.: Annexure


(A.K. Balasubrahmanian) 24/02/2026

Chairman & Managing Director
Nuclear Power Corporation of India Limited
Nabhikiya Urja Bhavan (NUB)
Anushakti Nagar, Mumbai – 400 094

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Copy to:

AERB

Executive Director (RO)

Director (RA&ER)

Director (TS&RD)

NPCIL

Director (T)

Director (P)

Kaiga-5&6 Site

Site Director

Project Director

**AERB STIPULATIONS AND CONDITIONS FOR FIRST POUR OF CONCRETE FOR
KAIGA-5&6**

Specific Stipulations

- S.1. NPCIL shall ensure deployment of adequate and competent manpower, commensurate with the stage and progress of the Kaiga-5&6 Project, to effectively discharge all the functions including Quality Assurance (QA) function.
- S.2. Quality Assurance aspects during manufacturing and construction should be given enhanced focus by NPCIL management. NPCIL should also exercise due diligence and supervision on quality control checks on the multi-level contracted out activities.
- S.3. Adequate provisions for dewatering of the Kaiga-5&6 construction areas shall be ensured, especially considering the heavy monsoon season at the Site.
- S.4. Adequate and competent manpower shall be ensured by NPCIL commensurate with the Kaiga-5&6 Project progress to carry out I&FS function effectively.
- S.5. Industrial safety aspects during construction phase should be accorded paramount importance with rigorous oversight by NPCIL and contractor's personnel over the workers executing the activities. The lessons learnt from the relevant past events be shared and briefed appropriately to the engineers and workers involved in construction activities.
- S.6. Job-specific Hazard Analyses (JHAs) shall duly take cognisance of dynamic changes in the hazards due to project progress and shall be updated periodically.

General Stipulations

- S.7. The review recommendations/observations by AERB during the course of multi-tier review shall be adhered to/addressed by NPCIL. Status of compliance to the same shall be submitted to AERB, as part of submissions for subsequent consenting stages.
- S.8. Applicable AERB Stipulations and Conditions for the previous consenting stages for Kaiga-5&6 shall be complied with.
- S.9. The facility shall be designed and constructed in accordance with design basis review by AERB for relevant site parameters provided in safety analysis reports. The Consentee shall not deviate from design as provided in safety analysis reports in any way that might affect safety, without prior approval of AERB.
- S.10. Activities under First Pour of Concrete Consent shall be carried out as per the approved construction procedures. Deviation, if any, shall be promptly informed to AERB. No changes shall be made to the programs & procedures, which have been approved by AERB, without prior intimation and review of AERB.
- S.11. Significant Event or Change shall be reported as per SECRC (Significant Event/Change Reporting Criteria) of AERB.

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- S.12. Consentee shall implement the Quality Assurance Program laid down as per requirements of the AERB Safety code on "Quality Assurance in Nuclear Power Plants" AERB/NPP/SC/QA (Rev.1) and any other requirements stipulated by the Regulatory Body in this regard from time to time.
- S.13. The Consentee shall appoint authorised persons who are qualified to perform functions under the Consent.
- S.14. The Consentee shall ensure availability of provisions as per the Emergency Preparedness and Response Plan.
- S.15. Utmost importance shall be given to potential for industrial safety hazards during construction activities, and its prevention. All Industrial & Fire Safety requirements including prompt reporting of industrial accidents and fatalities as per the Atomic Energy (Factories) Rules, 1996/AERB recommendations and Control of Works shall be strictly adhered to.
- S.16. Any abnormal occurrence, significant events, industrial accidents or fatalities during the activity shall be promptly reported to AERB.
- S.17. The Consentee shall obtain all applicable Statutory Clearances and compliance to the Stipulations of the Statutory Clearances shall be ensured.
- S.18. The Consent shall be subject to revocation, suspension, modification or amendment, for causes as provided in the Atomic Energy Act, 1962 and rules made thereunder, in accordance with the procedures laid down in the Act.
- S.19. No activity or operation shall be carried out for purposes other than those mentioned in the application.
- S.20. Full access to facilities/activities shall be accorded to any authorised representative of the AERB.
- S.21. This Consent shall be suspended or revoked, if any declaration made or information given in the application is found to be false or if any undertaking given in the application is not complied with.
- S.22. The terms and conditions of the Consent can be amended, revised, or modified as considered necessary by AERB in the interest of safety.
