



सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA

परमाणु ऊर्जा नियामक परिषद

ATOMIC ENERGY REGULATORY BOARD



अध्यक्ष
CHAIRMAN



AERB/NPSD/SHK/CN/SR/663310/2025/00401

May 09, 2025

**Subject: Consent for Siting of Mahi Banswara Rajasthan Atomic Power Project
(MBRAPP – 1 to 4)**

References

- [1] Application for siting consent for MBRAPP - 1 to 4, vide no. NPCIL/PD/(new Projects)/ 2024/M/02, dated 2nd January, 2024.
- [2] Safety Review Plan for Site evaluation of NPP and other NF sites [AERB/NPSD/LRB/CN /SR/992014/ 2019/00250 dated April 11, 2019]
- [3] Siting Application of NPCIL for MBRAPP – 1 to 4: Excerpts from the deliberations in AERB Board meeting no. 149 held on September 09, 2024 [AERB/SEC/149BM/2024/420 dated September 11, 2024]

Consent Number	MBRAPP-1to4/ST/0/08052025
Stage of Consent	Siting
Applicant	Nuclear Power Corporation of India Limited (NPCIL) Project Director (New Projects), (authorised by CMD, NPCIL), submitted an application for consent for siting four units of 700MWe PHWRs (MBRAPP – 1 to 4) at Mahi Banswara Rajasthan Atomic Power Project Site [Ref.1].
Brief Description of Nuclear Power Project	Name: MBRAPP-1 to 4 Type of reactor: 700 MWe Pressurized Heavy Water Reactor based Nuclear Power Plant (Repeat Design of GHAVP 1&2) Located at: MBRAPP site, P.O. – Napla, Tehsil - Chhoti Sarwan, District – Banswara, State – Rajasthan, PIN - 327001 New Site or Existing Site: New Site Present status of the Project/site in brief: Investigations and analyses towards Siting stage have been completed. Necessary investigations and report preparation towards next consenting stage are under progress.

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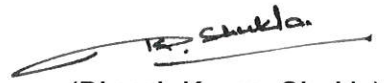
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Basis for issuing the Consent	Regulatory requirement as per AERB Codes/Guides, AERB/SC/G (Regulation of Nuclear & radiation facilities), AERB/NPP&RR/SG/G-1 (Consenting Process for NPP) and AERB/NF/SC/S (Rev-1) (Site Evaluation of Nuclear Facilities), AERB/NPP-PHWR/SC/D (Rev-1) (Design of PHWR based NPPs), AERB/NPP/SC/QA (Rev-1) (Quality Assurance in Nuclear Power Plants), AERB/NRF/SC/NRE (Management of Nuclear and Radiological Emergencies) and other relevant safety guides, as applicable to Siting consent. Satisfactory compliance with the Review Plan for Site Evaluation [Ref.2]. Compliance with the recommendations of the Board of AERB [Ref. 3]
Regulatory Review	Review by NPSD Review Groups was followed by multi-tier reviews viz.: 1 st tier safety review was conducted by the Site Evaluation Committee for Nuclear Facilities (SEC-NF) and 2 nd tier review by Advisory Committee for Project Safety Review of Nuclear Power Plants (ACPSR-NPP). After satisfactory reviews as above, final 3 rd tier review was carried out by the Board of AERB.
Responsibility for 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 Regulations.
Other statutory requirements	Applicant shall ensure that all necessary statutory clearances are obtained and are valid for present stage of consent i.e. Siting
AERB Stipulations and Conditions	AERB Stipulations and conditions for Siting to enable effective regulatory control are appended as Annexure-1.

Based on satisfactory review outlined above, Consent is hereby granted for Siting of MBRAPP – 1 to 4, subject to satisfactory compliance to the stipulations and conditions specified in Annexure-1. The Consent will be subjected to re-review for any non-compliance to the stipulations and conditions. The Consent shall not be transferable without the prior approval of the Competent Authority.

This Consent is valid for five years from the date of issuance of the Consent, i.e., till May 07, 2030.

Encl.: Annexure-1


(Dinesh Kumar Shukla)

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

दिनेश कुमार शुक्ला / Dinesh Kumar Shukla
 अध्यक्ष / Chairman
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Chairman (Office)
Executive Director
Director, DRA&ER
Head, NPSD
Head, OPSD
Head, DRI
Head, NSAD
Head, DRP&E
Head, IT&RDD
Head, SSES, NPSD
Head, PHWR-PS, NPSD

NPCIL

Director (T)
Director (P)
Director (O)
AD (DC, RI & OES)

AERB Committees

Chairman & Member Secretary, ACPSR-NPP
Chairman & Member Secretaries, SEC-NF
Chairman & Member Secretaries, PDSC-PHWR
Chairman & Member Secretary, CESC
Chairman & Member Secretary, CRSA

MBRAPP-1 to 4 Site

Project Director, MBRAPP – 1 to 4

ANNEXURE-1

AERB STIPULATIONS AND CONDITIONS DURING SITING CONSENT

- S.1 This Siting Consent will be valid only after obtaining Environmental clearance from the relevant competent authority by the Consentee and subject to the compliance of conditions stipulated therein.
- S.2 Complete administrative control shall be established by the Consentee over the Exclusion Zone area as per regulatory requirement, adhering to the committed timeline, and a compliance report shall be submitted thereon.
- S.3 Modification, which affect Site parameters in the site or location of exclusion zone boundary shall not be carried out without prior approval of the AERB.
- S.4 AERB/NPP&RR/SG/G-1 brings out information to be submitted and reviewed at different consenting stages. The review recommendations/observations by AERB during the course of multi-tier review shall be adhered to/addressed by NPCIL suitably, and status of compliance to the same should be submitted to AERB, as part of submissions for subsequent consenting stages.
- S.5 The Consentee shall implement the Quality Assurance Program laid down as per the requirements of AERB code on Quality Assurance AERB/NPP/SC/QA and any other requirements stipulated by AERB in this regard from time to time.
- S.6 The Consent shall be subject to revocation, suspension, modification or amendment, for causes as provided in the Atomic Energy Act and rules made thereunder, in accordance with the procedures laid down in the Act.
- S.7 The stipulations and conditions of the Consent can be amended, revised, or modified as considered necessary by AERB in the interest of safety.
- S.8 All safety significant changes/observations shall be proactively reported to AERB as per Significant Event / Change Reporting Criteria (SECRC).
- S.9 Applicant shall ensure that all necessary statutory clearances are obtained and are valid for present stage of consent i.e. Siting.
- S.10 Consentee shall provide for the development, periodic revision, and implementation of its emergency preparedness plan including adequate interfaces with state and local governments.

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- S.11 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 such application is not carried out.
- S.12 No activity or operation shall be carried out for purposes other than those mentioned in the application.
- S.13 Full access to facilities/activities shall be accorded to any authorised representative of the AERB.
- S.14 The Consentee shall appoint authorised persons who are qualified to perform functions under the Consent.
- S.15 The Consentee shall provide suitable access restrictions and/or fences on the site and shall ensure that these are properly maintained. The Consentee shall take such steps as may be necessary to prevent unauthorised persons from entering the site or such part thereof as AERB may stipulate.

