



Development of National Framework for Electronic People's Biodiversity Registers (e-PBR) in India

Situation

Safeguarding biodiversity and ecosystems is essential to meet the demands of food, medicine, fuel, water and provide livelihood security. In India, there have been growing efforts to conserve biodiversity and recognise its inextricable links to traditional knowledge for the well-being of people. The legal and regulatory backing to such efforts is provided by the Biological Diversity Act (BDA) 2002, BDA (Amendment) 2023 and related notifications, which align with India's commitment to the UN Convention on Biological Diversity (CBD), viz. conservation of biological diversity, sustainable use, fair and equitable sharing of benefits from its utilisation.

The BDA 2002 created a decentralised three-tier structure with the National Biodiversity Authority (NBA), State Biodiversity Boards (SBB)/Union Territories Biodiversity Councils and the local level Biodiversity Management Committees (BMC). The Act mandates BMCs to prepare People's Biodiversity Register (PBR) as a comprehensive documentation of local biological resources and associated knowledge. PBRs support fair and equitable sharing of benefits derived from the use of bio-resources (Access and Benefit Sharing). With over 277,000 BMCs, India has the largest network of local institutions for biodiversity conservation.

Till date over 273,000 PBRs have been prepared across India. The preparation of PBRs demand substantial efforts in a large and multilingual country with limited capacities at state and local levels, lack of uniformity and digitalisation in data collection to dissemination.

Project Name	Development of National Framework for Electronic People's Biodiversity Registers (e-PBR) in India
Commissioned by	German Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection (BMUV) as part of the International Climate Initiative (IKI)
Lead Executing Agency	Ministry of Environment, Forest and Climate Change (MoEFCC) and National Biodiversity Authority (NBA)
Duration	2025-2027

Additionally, the current physical format of PBRs pose immense challenges for further use of data in environmental planning, decision-making process, and to effectively implement Access and Benefit sharing (ABS).

BMCs have a key mandate to prepare **People's Biodiversity Register (PBR)** as a comprehensive **documentation** of **local biological resources** and **associated knowledge**.

Supported by:



based on a decision of the German Bundestag

Ministry of Environment, Forest and Climate Change

Objective

The project aims to support the enhancement and operationalisation of a national electronic People's Biodiversity Register (e-PBR) Framework by the NBA, SSBs and BMCs in pilot states, to strengthen the implementation of fair and equitable sharing of benefits arising from the use of bio-resources at local-level.

Approach

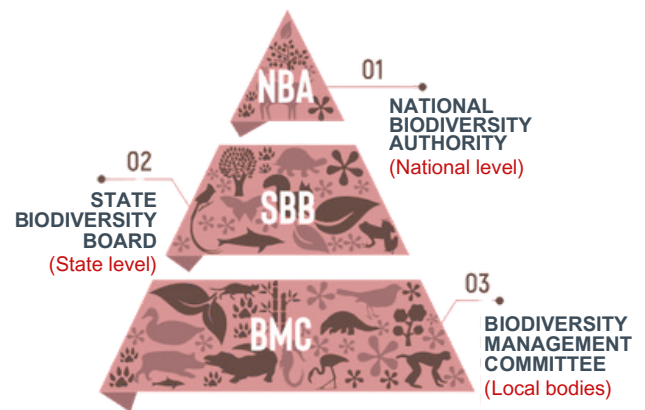
Three main output areas define the implementation approach of the project:

- A national e-PBR framework comprising existing e-PBR digital tool (BIOMIS), new digital tools along with supporting institutional processes is strengthened to simplify the implementation of fair and equitable sharing of benefits arising from the use of bio-resources.
- Digital tools and processes of the national e-PBR framework are piloted, including digitisation of existing PBRs in 14 states.
- Institutional and technical capacities for preparation and effective use of e-PBRs are strengthened in pilot states.

Expected Outcome

- Digital tool and training modules simplify and enable people's participation in documentation of local biological resources.
- Comprehensive documentation of local biological resources and associated traditional knowledge in electronic form as e-PBRs.
- e-PBRs contribute to effective implementation of fair and equitable sharing of benefits arising from the use of bio-resources at local-level.
- Informed decisions about biodiversity conservation and bio-resource utilisation.

Three-tier Institutional Mechanism



Project Implementing States

The project is implemented at the national level with the NBA, MoEF&CC and 14 pilot states in collaboration with the State Biodiversity Boards.



Contribution to the 2030 Agenda



Published by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Registered offices in Bonn and Eschborn, Germany.

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On behalf of International Climate Initiative of the German Federal Government

As at: July 2026