



## National Biodiversity Authority

(An Autonomous and Statutory Body of the Ministry of Environment and Forests, Government of India)

# Guidelines for Designated Repositories

## 1. General Mandate for all the Designated Repositories

To act as Designated Repository (DR) for safe deposit of holotypes/isotypes/ paratypes of new taxa discovered in India and samples of biological resources accessed by foreign citizens/entities for research or sent/carried abroad by Indian citizens/institutions for research [vide Sections 39 (1-3) and 19 (1) of the Biological Diversity Act, 2002 read with Rule 14(6) (viii) of the Biological Diversity Rules, 2004, and clause 4(6) of the Regulation on ABS Guidelines notified in November 2014].

## 2. Specific Mandates for the Designated Repositories

| S. No. | Name of the Institution for Deposition of the Biological Resources  | Category of Biological Resources   |
|--------|---|--|
| 1.     | Botanical Survey of India, Kolkata.   | Flora (Angiosperms, Gymnosperms, Pteridophytes, Bryophytes, Lichens, Macrofungi, Macroalgae)   |
| 2.     | National Bureau of Plant Genetic Resources, New Delhi.  | Plant genetic resources of cultivated plants and their wild relatives  |
| 3.     | National Botanical Research Institute, Lucknow.   | Flora (Angiosperms, Gymnosperms, Pteridophytes, Bryophytes, Lichens, Macrofungi, Macroalgae)   |
| 4.     | Indian Council of Forestry Research and Education, Dehradun (Forest Research Institute, Dehra Dun; Institute of Forest Genetics and Tree Breeding, Coimbatore; and Tropical Forest Research Institute, Jabalpur). | Flora (Angiosperms, Gymnosperms, Pteridophytes, Bryophytes, Lichens, Macrofungi, Macroalgae). For TFRI only-Fauna (termites, butterflies, moths) |
| 5.     | Zoological Survey of India, Kolkata.  | Fauna  |
| 6.     | National Bureau of Animal Genetic Resources, Karnal, Haryana.   | Genetic resources of domestic animals  |
| 7.     | National Bureau of Fish Genetic Resources, Lucknow, U.P.  | Fish genetics resources  |
| 8.     | National Institute of Oceanography, Goa   | Marine flora and fauna   |
| 9.     | Wildlife Institute of India, Dehradun.  | Faunal resources in Protected Areas  |
| 10.    | National Bureau of Agriculturally Important Microorganisms, Mau Nath Bhanjan, U.P.  | Agriculturally important microorganisms  |

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|----|--|--|
| 11 | Institute of Microbial Technology, Chandigarh.                       | Microorganisms for industrial use (actinobacteria, bacteria, fungi and yeasts) |
| 12 | National Institute of Virology, Pune                                 | Viruses  |
| 13 | Indian Agricultural Research Institute, New Delhi                    | Microbes/Fungi/Blue Green Algae  |
| 14 | National Bureau of Agriculturally Important Insects, Bengaluru       | Agriculturally important insects, mites and spiders                            |
| 15 | Microbial Culture Collection, National Centre for Cell Science, Pune | Microbes (bacteria and fungi including yeasts, cell cultures)                  |

### 3. Focal Points for the Designated Repositories

The Head of the facility, where biological resources are deposited and conserved, shall be the Scientist-Incharge of the DR and shall serve as the Focal Point for the NBA. Each DR is required to designate the Focal Point for this purpose.

### 4. Allocation of Unique Accession Number to the Deposits

It will be done by the concerned Head of the Repository who shall also decide after the 5 year custody period whether the sample will be added to the national collection for long-term storage or discarded if the sample had been of a common occurrence as procured from the local market or appeared to be a duplicate of existing accessions. Wherever required, the NBA will intimate the repository concerned to extend the period beyond five years, in specific cases. Wherever any new taxon is deposited, it should be preserved for indefinite period.

### 5. Who are required to deposit types/specimens/samples of Biological Resources in DRs?

- (i) Any person, who discovers a new taxon of biological resources occurring in India, is required to notify it to the relevant DR and deposit its holotype/isotype/paratype there [Section 39 (3) of the BD Act].
- (ii) Persons/entities, as identified u/s 3(2), accessing biological resources occurring in India [Sub-rule 6 (viii) of Rule 14 of the Biological Diversity Rules].
- (iii) Indian citizens/entities taking/sending abroad biological resource for non-commercial research by applying in Form B (Sub-regulation 1 of Regulation 13 of the ABS Guidelines notified in November 2014).

### 6. Where the Voucher Specimen/Reference Sample may be deposited?

Based on the type of biological resource, the voucher specimen/reference sample may be deposited in DRs as notified by Ministry of Environment, and Forests vide notifications F.No. 26-14/2007-CSC, dated August 28, 2008; F.No. 26-15/2007-CSC, dated September 12, 2012; F.No. 26-15/2007-CSC, dated July 8, 2013, as mentioned in table of clause No. 2 of these guidelines.

| <b>S. No.</b> | <b>Category of Biological Resource</b>  | <b>Name of the Designated Repository</b>   |
|---------------|---|--|
| 1             | Flora<br>(angiosperms, gymnosperms, pteridophytes, bryophytes, lichens, macro fungi, macro algae) | Botanical Survey of India and its Regional centres.<br><br>Indian Council of Forestry Research (FRI, Dehradun and IFGTB, Coimbatore;<br><br>NBRI, Lucknow  |
| 2             | Fauna<br><br>Fauna in Protected Areas   | Zoological Survey of India and its Regional centres.<br>TFRI, Jabalpur for termites, butterflies and moths<br>Wildlife Institute of India, Dehradun  |
| 3             | Genetic Resources   | NBPGR Cultivated Plants and their Wild Relatives<br>NBAGR Domestic Animals<br>NBFGR Fish<br>NBAIM Agriculturally Important Microorganisms<br>NBAII Agriculturally Important Insects, Mites, Spiders  |
| 4             | Marine Flora and Fauna  | NIO, Goa   |
| 5             | Microorganisms  | IMTECH, Chandigarh (actinobacteria, bacteria, fungi and yeasts)<br><br>NCCS, Pune (bacteria, fungi (including yeasts), recombinant DNA materials (in the form of clones in bacterial host) and bacteriophages)<br><br>IARI, New Delhi (fungi / blue-green algae) |
| 7             | Viruses   | NIV, Pune  |

## **7. Ownership of the Deposits and Duration of Safekeeping**

Under the Biological Diversity Act 2002, Government of India has sovereign rights over the biological resources occurring in or obtained from India. Accordingly, the deposited biological resources belong to the State and the Designated Repository acts as their custodian mandated for preserving/conserving them for five years or beyond, as required by the NBA, under appropriate storage conditions from the date of their deposition. Further, if any new taxon is deposited, it should be preserved for indefinite period. During this period, the deposited biological resources will be made available for research/academic purposes within the country. However, researchers covered under the category of applicants, covered u/s 3 (2) of the Act, shall be required to obtain prior approval from NBA for accessing the deposited materials.

## **8. Procedure for Submission of Biological Resources to DRs**

All DRs will develop detailed standard procedures depending upon the type of biological resources deposited with them. In accordance with these standard procedures, all applicants/depositors will be required to deposit the biological resources in the relevant DR along with passport data/information as prescribed in Annexure I. This may be modified by

the concerned DR, as required for the kind of biological resource to be deposited, with prior approval of NBA. Details of such procedure to deposit the biological resource would be displayed at official website of every DR and it is to be linked with NBA website.

#### **9. Issue of Acknowledgement/Receipt**

On depositing the voucher specimen in appropriate form, all applicants will be issued an acknowledgement (Annexure II) by the Scientist-Incharge of DR in reasonable period after satisfactory deposition of voucher specimen/reference sample.

#### **10. Monitoring**

The Director/Head of the organization where DR is located will be the Competent Authority to monitor the maintenance of the deposited biological resources from time to time. These periodic reports will be sent by him to the NBA Secretariat for information and follow up.

#### **11. Resource Support to DRs on Request**

Depending upon the work load of conserving the deposited materials and maintaining their database, contractual technical manpower may be provided to a DR, where justified for this purpose with appropriate financial support by NBA, if necessary.

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**Passport Data / Information accompanying the biological resource to be deposited in DRs**  
(to be filled by the applicant)

| S.No | Details of Voucher Specimen   | Remarks |
|------|---|---------|
| 1.   | Name and address of the Applicant/Depositor   |         |
| 2.   | NBA reference number  |         |
| 3.   | Common name of the specimen   |         |
| 4.   | Scientific name of the specimen   |         |
| 5.   | Site and date of Collection<br>(Village, Taluk, District, State)<br>(Stating geo-coordinates where available)   |         |
| 6.   | Nature of specimen organism or supplied parts   |         |
| 7.   | Description and quantity of the Deposit <ul style="list-style-type: none"> <li>• In case of parasitic/symbiotic organism sample, its host needs to be mentioned.</li> <li>• Where plant parts are sent to the repository, a herbarium specimen with flower/fruit/subterranean parts if it is tuberous plants needs to be deposited</li> <li>• good photograph of the specimen proposed needs to be deposited</li> </ul> |         |
| 8    | Any other information relevant to the specimen  |         |

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Name and Signature of the Applicant/Depositor

**Acknowledgement for Receiving the Deposits by Designated Repositories**

| S.No | Particulars                             | Remarks |
|------|---|---------|
| 1.   | Name of the Designated Repository       |         |
| 2.   | Repository Reference number             |         |
| 3.   | Date of receipt                         |         |
| 4.   | NBA reference number                    |         |
| 5.   | Name and address of the depositor       |         |
| 6.   | Common name of the deposit              |         |
| 7.   | Scientific name of the deposit          |         |
| 8.   | Description and quantity of the deposit |         |

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Name and Signature of the authorized signatory of the Repository.

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