

MINUTES OF THE THIRD MEETING OF THE NATIONAL BIODIVERSITY AUTHORITY

DATE : 15th July, 2005
TIME : 10:00AM to 5:00PM
VENUE : **Office of the National Biodiversity Authority**
475-9th South Cross Street
Neelankarai, Chennai-600 014.

The proceedings of the third meeting of the National Biodiversity Authority commenced at 10 am on 15.07.2005. The Chairman, NBA **Prof. S. Kannaiyan** extended a warm welcome to the members of the Authority to the 3rd meeting and briefed them the major achievements made by NBA during the period between 2nd and 3rd meeting.

1. Achievements:

1. Orientation programme for officials from Forest, Agriculture, Fisheries and Animal Husbandry from Tamil Nadu and Pondicherry for the establishment of State Biodiversity Boards (SBB).
2. Three day awareness programme for Schools of Chennai on the subject Biodiversity of India was organised. In this awareness programme many local schools participated in Art, Speech and Essay writing competition and several prizes were distributed for winners. Posters depicting the importance of Biodiversity of India were also displayed. Altogether more than 3000 students and local public benefited out of this programme
3. Website for National Biodiversity Authority www.nbaindia.org developed and established.
4. Hon'ble **Union Minister for Environment and Forests Thiru A. Raja** visited the National Biodiversity Authority on 1st July, 2005 to review the activities.
5. Biological Diversity Act, 2002 and Biological Diversity Rules, 2004 have been published in a booklet form in English & Hindi and distributed to all relevant agencies. This was released by the **Hon'ble Minister for Environment and Forests Thiru A. Raja on 1st July 2005**. Action being taken to bring out the above publication in Tamil and Malayalam by August , 2005.
6. Infrastructure facilities to establish NBA such as purchase of computer, furniture and other necessary items for the office were made.
7. Recruitment rules sent to the Law Ministry for vetting and notification and Draft Advertisement for recruitment of staff prepared and sent to the Ministry of Environment and Forest for approval.
8. Appointment of **Shri Vishvanath Ananth**, Vice Chairperson, Environment Appellate Authority as Chairperson of NBA from the month of 15th July 2004 – 31st January 2005.
9. Agreements on Access, Material Transfer, IPR and Patent were prepared using

- the expertise of different lawyers from various departments. A meeting is proposed to be organized to discuss the appropriateness of the same.*
10. *National Biodiversity Authority is encouraging various States to form State Biodiversity Boards and also providing initial financial support to them. So far Rs 1.10 crores has been provided by MoEF to the NBA out of which Rs 35 lakhs has been distributed to such States which have set up State Biodiversity Boards in their jurisdiction. These States are Karnataka, Goa, Kerala, Madhya Pradesh, Arunachal Pradesh, Nagaland, Himachal Pradesh, Punjab and West Bengal.*
 11. **Shri Namu Narain Meena, Hon'ble Minister of State for Environment and Forests**, Government of India visited National Biodiversity Authority Office on 26.10.2004 to review the activities.
 12. **Prof. Dr S. Kannaiyan** assumed office as Chairman of National Biodiversity Authority from May 2005.
 13. *An Interactive Workshop on “**Conservation and Sustainable Utilization of Marine Bioresources**” on 14th June 2005 conducted jointly with Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai. During the workshop 20 theme papers on different issues of Marine biodiversity and Marine bioresources and Conservation were presented and discussed. The workshop was inaugurated by **Prof. S. Kannaiyan**, Chairman, National Biodiversity Authority.*
 14. *Project review committee meeting was held on 21st June 2005 for approval of the project proposals received by the NBA for creating awareness on the Biodiversity Act, 2002 and orientation programme on the formation of SBB. Decision has been taken by National Biodiversity Authority in the above meeting to bring out publications on i) Macro Fauna of Pulicat Lake ii) Conservation and Utilization of Microbial Diversity iii) Biodiversity and Conservation of Mushrooms.*
 15. *A one day interactive workshop on the Implementation of **Peoples Biodiversity Registers (PBR)** at the Village level was organized by National Biodiversity Authority on 30th June, 2005. Twenty scientists from various parts of India participated and discussed in detail. The recommendation was drafted for effective implementation. The recommendations are placed before the Authority for discussion.*
 16. *Terms of reference for the Expert committee proposed during the second Authority meeting prepared.*

This was followed by the Chairperson requesting the members to introduce themselves. All the members congratulated the Chairman **Prof. S. Kannaiyan** for taking over as Chairman of NBA and guaranteed their esteemed cooperation to the fullest extend for the smooth function of the Authority. Following the introductions, **Dr K Venkataraman**, Member Secretary – NBA initiated the proceedings of the meeting with the permission of the Chair.

Record of the discussions agenda wise is as follows:-

2. Confirmation of Minutes of 2nd Meeting of NBA

As there was no comments and communication from the Members of the Authority, the minutes of the second meeting was approved and confirmed.

3. Action taken on the Minutes of the 2nd Meeting

Following the confirmation of the minutes of the second meeting the Member Secretary Presented the Action Taken Report on the Minutes of the 2nd Meeting of the Authority.

During the presentation by Member Secretary the following points were raised by the members:

- **Appointment of Expert consultant:**

The Member Secretary informed the members that many persons are not willing to take up the appointment of Expert Consultant due to the less amount (Rs 15,000 – Rs 20,000/=) proposed as Consultancy fee in the second meeting. Based on the discussion it was decided to pay Rs.25, 000/- pm + transport allowance to the Expert consultant for preparing guidelines and the period from 60 days to 90 days.

Action: Member Secretary

- **State Biodiversity Boards:**

Dr.R.K. Rai, Addl. Director MoEF informed that before asking for Utilization Certificate from SBB, NBA should ask for the Statement of expenditure for the amount Rs 10,00,000 paid as one time establishment grant.

During the proceedings the Chairman, NBA informed the members that he is planning to make official visit to all the State Biodiversity Boards which are notified for establishment and convening a meeting of the officers in charge of SBB for effective implementation of the Biodiversity Act, 2002.

Action: Member Secretary

- **Awareness Programme conducted by NBA during the year 2004:**

Members appreciated the efforts taken by NBA to organize the awareness programme and informed that more such programmes should be conducted by NBA to create awareness among public in different parts of the country.

Action: Member Secretary

- Publication of ACT and Rule Book by NBA

Members appreciated the efforts taken by NBA to publish the Biodiversity ACT and Rule Book in English and Hindi and expressed that same booklet should be published in all other official languages of India.

Action: Member Secretary

4. Proposal received for consideration by NBA for funding.

The Member Secretary informed the members that NBA has received six proposals on creation of awareness on Biodiversity Act, three proposals from a Local NGO, two from IUCN, South Asia and one from Punjab Biodiversity Board. Among the three proposal received from NGO one is on the awareness creation for Lawyers and Magistrates, second is on the awareness creation for Customs officials and the third is on the general public and formation of BMC. The IUCN proposals meant to create awareness for Chief Secretaries and Principal Chief Conservator of Forests of different states of India and the second is on the preparation of a Manual on Biodiversity Act. The Punjab Biodiversity Board proposed to conduct a two day workshop on orientation on SBB to northern states of India.

The Member Secretary also informed the members that a committee consists of five members scrutinized the above proposal and recommended for funding with certain modifications as given in the agenda. Also a few issue related publications were also approved by the committee constituted by the Chairman, NBA.

The NBA members expressed that the above proposals received by NBA should be taken for consideration only by framing a guidelines for inviting the proposals. Also an NBA approved National Committee should be in place to scrutinize and recommend the proposals for funding. SBB orientation programmes proposed by respective SBB may conduct the awareness programmes with the support of NBA. However the above proposals have to be invited and recommended for funding by NBA only after framing a proper guidelines and NBA approved committee. In this connection the members commented that how widespread the proposal requests are and many regions are unaware of this mechanism. He has also suggested that NBA can only support the State Biodiversity Boards which have formed and let the SBBs organize workshops in their States to create awareness among public.

The Chairman, NBA has indicated that the awareness programmes of the Biodiversity Act 2002 are vital for implementation at different State level. The project

proposals addressing the awareness issues given priority for funding by NBA and the need and issue based project proposal will be initiated by placing it in the web sire.

Other important points discussed about the funding of proposals:

1. To prepare guidelines for inviting proposals with the following;
 - Who are eligible to apply
 - Fields to be funded
 - Awareness
 - Need based and issue based
2. Approved Committee to scrutinize the proposals
 - No formal presentation is needed for proposals less than 5 lakhs.
 - The invitation for proposals may advertised through official web site of NBA.

Action: Member Secretary.

3. Guidelines for inviting Proposals.

Introduction:

India is a Party to the Biological Diversity Convention held in Rio de Janeiro in 1992. The convention recognizing the rights of States to use their own biological resources, expects the signatories to facilitate access to genetic resources by other countries for the welfare of the society, subject to national legislation and on mutually agreed upon terms. The Biodiversity Act, 2002 promulgated in the parliament of India also recognizes contributions of local and indigenious communities to the conservation and sustainable utilisation of biological diversity through traditional knowledge, practices and innovations and provides for equitable sharing of benefits among the local communities arising from the utilization of their knowledge, practices and innovations.

The Government of India established **THE NATIONAL BIODIVERSITY AUTHORITY (NBA)** in 2003 in accordance with Biological Diversity Act 2002, with the following objectives:- to regulate access to biological resources of the country to conserve and sustainable use of biological diversity; to respect and protect the knowledge of local communities related to biodiversity; to secure sharing of benefits with local people as conservers of biological resources and holders of knowledge and information relating to the use of biological resources; conservation and development of areas of importance from the view point of biological diversity by declaring them as biological diversity heritage sites; protection and rehabilitation of threatened species; involvement of institutions of state government in the broad scheme of implementation of the Biological Diversity Act through constitution of committees.

NBA intends to invite proposals on projects for funding by as per the guidelines given below.

1. Projects related awareness creation about the implementation of the Biodiversity Act 2002.

- a. State Biodiversity Boards
- b. Biodiversity Management Committees
- c. Peoples Biodiversity Registers.

2. Need based special project proposals such as:

- a. Conservation and Sustainable utilization
- b. Access and Benefit Sharing
- c. Threats on Biodiversity
- d. Traditional Knowledge and Tribal issues.
- e. Intellectual Property Right and Biodiversity
- f. Specific Research Projects on Endangered and Endemic species of fauna and flora and different ecosystems such as Forest, desert, wetland, marine, mountain and fishery
- g. Medicinal plants
- h. Agro biodiversity
- i. Microbial Diversity
- j. Documentation of PBR

Guidelines:

Institutions/Universities with adequate human resources are eligible to apply.

Number of Copies of the Proposal:

Ten copies may be sent to the Chairman, National Biodiversity Authority, #475, 9th South Cross Street, Kapaleeswar Nagar, Nelankarai, Chennai 600 0041.

PROPOSED PROJECT EVALUATION COMMITTEE:

Chairman: **Prof. Dr S Kannaiyan** Chairman NBA, Chennai

Members:

1. Prof Dr Madhav Gadgil, IISc Bangalore
2. Dr Sujata Arora, MoEF, New Delhi
3. Dr A.Gopalam, NARM, Hyderabad
4. Dr Doble, Dean, Maharastra
5. Dr Upender Dhar, GB Pant Institute, Almora
6. Dr K.Balaraman, ICMR, Pondy cherry
7. Dr R P Gupta, Panjab Agri University
8. Dr KVPR. Tilak, Osmania University, Hyderabad.

5. Applications for Access, Bio-survey, Collaborative Research and Patent received for approval by NBA

The Member Secretary informed the NBA the following information:

Since inception, NBA has received applications for Access, Application for Transfer of Bioresources and application for Patent.

- NBA has received 23 applications from various sources from India and abroad.
- Among the 23 applications received only 10 applications are complete with fee paid and rest of the 13 applications are not complete and are not eligible for approval

1. Applications received from Foreigners for Research/ Commercial Purposes

- *Emblica officinalis* plants to Srilanka
- Indian Wild ass hair sample from zoo to US
- International Flavors and Fragrance Ltd: 68 species under 35 families of Plants for research and commercial use of fragrance extraction.
- International Flavors and Fragrance Ltd: Vanilla green bean will be processed, cured and exported.

2. Applications for Collaborative research and Transfer of material :

- Viral infected post larvae and juveniles of freshwater prawn to France with C. Abdul Hakim College, Melvishram college, Vellore, Tamil Nadu (DR Sait Sahul Hameed)
- Cricket form Western Ghats to Paris, France with IISC Bangalore (DR Rohini Balakrishnan)
- Research on Honey Bees to US with IISC, Bangalore (Mr Gene E Robinson, Urbana,,IL 61801 USA)
- Research on unprotected amphibians and reptiles by US researcher in coloboration with Indian research Institute with National Centre for Cell Science, Dept of Biotechnology, Govt of India, Pune, Maharashtra.
- Research on terrestrial venomous coral snakes by US researcher with National Centre for Cell Science, Dept of Biotechnology, Govt of India, Pune, Maharastra.
- Limnological research on Ladakh lakes and collection of plankton and organisms to UK with Dr Brig Gopal, Jawaharlal Nehru University, New Delhi.

3 Patent

- International Flavors and Fragrance Ltd: Patent for *Decalepis hameltonii* extract.

So far NBA has received application fee Rs 60,500/= (Rs Sixty thousand five hundreds) and the amount is deposited in the National Biodiversity Fund.

Following the presentation of the Member Secretary the Authority has taken the following decisions were taken regarding the approval of the applications:

1. The authority has decided in its meeting held on 15th July 2005 to give a chance to the applicants whether he will be in a position to pay the application fee or not before closing the approvals once in for all.
2. A committee to be constituted by the NBA to examine and recommend the applications for approval by NBA. The committee will also decide and recommend how many species can be accessed by an applicant at a time with an application.
3. Applications (No 17, page 55 of the agenda) received by NBA has to be forwarded to NBPGR, New Delhi for approval since NBA is dealing only with wild Germplasm.
4. Dr Anil Gupta informed that NBA needs to put up notice, guidelines in all International Airports & Ship Ports and also to send a letter to Customs office about the Biodiversity Act and its implications.
5. The Members decided that the Application Fee once received should not be refunded.

COMMITTEE TO EVALUATE THE ACCESS, PATENT, TRANSFER OF RESEARCH RESULTS AND MATERIAL TRANSFER APPLICATIONS

CHIRPERSON:

**Dr P. Tiwari,
Director,
National Academy of Agricultural Research Management
Rajendra Nagar, HYDRABAD 500 030**

MEMBERS:

1. **Shri Katwal, Additional Director General Forests, MoEF, New Delhi**
2. **Dr Natesh, Advisor, DBT, New Delhi**
3. **Dr Dhillon, Director, (Research), PAU, Ludhiana**
4. **Dr K. Balaraman, Deputy Director, ICMR, Pondy cherry**
5. **Dr Mishra, ADG, ICAR, New Delhi**
6. **Dr R Saha, Advisor, DST**
7. **Dr Das Gupta IPR Consultant, Kolkatta**
8. **Mrs. Sumathi Swami, CPR Foundation**

The above committee has been proposed to be formed to deal with the applications received by NBA and based on the recommendations of the committee the NBA will give approvals to the applications received.

The following applications are not considered for approvals:

- Application No. 1 (Page 36 of the Agenda)
- Application No. 2 (Page 38 of the Agenda)
- Application No. 3 (Page 39 of the Agenda)
- Application No. 4 (Page 40 of the Agenda)
- Application No. 5 (Page 41 of the Agenda)
- Application No. 6 (Page 42 of the Agenda)
- Application No. 8 (Page 44 of the Agenda)
- Application No.11 (Page 49 of the Agenda)
- Application No. 12 (Page 50 of the Agenda)
- Application No. 14 (Page 52 of the Agenda)
- Application No.15 (Page 53 of the Agenda)
- Application No. 16 (Page 54 of the Agenda)

1. REFERENCE NO: 00001/NBA /2004

Date of approval : Application not considered since the applicant has not applied in the prescribed format and the application fee not paid.

Particulars of Charges Paid: Not paid

1. Name and address of applicant : **Shri C.B. Indhra,**
Proprietrix,
Herbals India,
83/27-A, Gujji Naicken 2nd Street,
Anna Nagar East, Chennai-600102
2. Date of application in the prescribed form : nil
3. Type of form used : nil
4. **Name of the project** : **not known (Commercial)**
5. Type of Bio-resource : Biological material (not mentioned)
6. Application supported by any other Government Institution : Nil
7. Collaborating Agency
Name and Address : **Not given in the letter.**
8. Remarks : **NBA has written two letters since we received a letter from MOEF (J-22018/41/2003-CSC (BC) dated 29.8.2003) regarding the approval of application from the above applicant. In the NBA first letter E-**

001049/2004-NBA (S) Dated 8th July 2004 requesting for submitting the application in a prescribed form and vide second letter E-0010/115/2003-NBA (S) 280 dated 4.10.2004 informing the applicant about the rejection of application due to non payment of application fee and not applied in the prescribed format.

2. Reference No : F. No. 9-2/2003- Tech

Date of Approval: Permission Denied/ Application Rejected since the Chief Wild life Warden has not permitted for access due to the schedule nature of the species

Particulars of Charges Paid: Not Paid

1. **Name and address of applicant:** V. M. Sathish Kumar
Post Graduate (Ph. D),
School of Biosciences
Edgbaston, Birmingham B15 2TT,
United Kingdom
2. **Date of application in the prescribed form:**
3. **Type of form used:** Nil.
4. **Name of the project:** “Genetic Diversity of Reptiles from Indian and South American subcontinents”
5. **Type of Bioresource:** Tissue, muscle ad blood samples of three Uropletid snakes- *Uropeltis beddomii*, *U. macrolepis* and *U. malabaricus*.
6. **Application supported by any other Government Institution:** Permission to collect samples Denied by CWW/ Tamil Nadu Forest Department.
7. **Collaborating Agency Name and Address:** University of Birmingham, UK
School of Biosciences
Edgbaston, Birmingham B15 2TT,
United Kingdom
8. **Remarks:** Permission to collect samples denied by CWW/ Tamil Nadu Forest Department as per Wildlife Protection Act 1972. Hence the application is rejected in the second meeting of NBA held in August 31st 2004 and a letter to this effect has been sent on 4.10. 2004 vide Lr. No. E-0010/115/2003- NBA (S) 289.

3. Reference No : F. No. 9-3/2003- Tech

Date of Approval: Application not considered for not paying the application fee and for not applying in the prescribed format.

Particulars of Charges Paid: Not Paid

1. **Name and address of applicant:** Dr. John Heraty,
Associate Professor of Entomology,
Department of Entomology,
University of California, Riverside,
CA, USA 92521

2. **Date of application in the prescribed form:** 2-9- 2003.
3. **Type of form used:** Nil.
4. **Name of the project:** Not Known
5. **Type of Bioresource:** Collection of Wasp specimen from IARI campus.

6. **Application supported by any other Government Institution:** Nil.
7. **Collaborating Agency Name and Address :** Nil.
8. **Remarks:** No application fee was paid and the application was not made in the prescribed form. In this connection a letter was written to Dr John Hearty vide lr No E-0010/115/2003-NBA(S)/288 dated 4.10.2004 and no reply received till date. Hence the application may be rejected due to not applied in the prescribed format and not paid the fee for the application.

4. Reference No: F. No. 9-4/2003- Tech
Date of Approval: Application not considered for not paying the application fee and for not applying in the prescribed format.
Particulars of Charges Paid: Not Paid

1. **Name and address of applicant:** Dr. Anil Kumar Tripathi
No.15/1A-15,
School of Biotechnology, Faculty of Science,
Banaras Hindu University, Varanasi – 221 005.
(Another Address)
Department of Biotechnology,
Gorakpur University, Gorakpur – 273 009
 2. **Date of application in the prescribed form:** 31st July 2004
 3. **Type of form used:** Form I and IV.
 4. **Name of the project:** Molecular Analysis of Plant Growth Promoting endophytic and Rhizospheric bacterial Diversity associated with agronomically important grasses of Thar Desert , Rajasthan.
 5. **Type of Bioresource :** Two grass species of Thar Desert in Rajasthan are *Lasiurus indicus* and *Cenchrus ciliaris*
 6. **Application supported by any other Government Institution:** DST, Government of India.
 7. **Collaborating Agency Name and Address :** Third party transfer to Prof. Anton Hartmann, Head, Rhizosphere Biology Division, Inst of Soil Ecol., GSF – Research Centre Neuherberg/ Munich, Inglostaedter Land Str. 1, D-85764, Neuherberg, Germany
- Remarks:** Letter vide Lr. No. E-0010/115/2003-NBA(S) 4.10.2004 was sent to pay the application fee. No reply has been received till date and the application may be rejected.

5. Reference No: F. No. 9-5/2003- Tech (only in form I; From IV to be applied)
Date of Approval: The applicant has paid application fee only for transfer of material but not for access of the Bioresource. The applicant has to apply for access and pay the application fee.
Particulars of Charges Paid: Paid Rs.10000/- by DD.No.501786 dt.17-08-2004

1. **Name and address of applicant:** **Ms. Rikako Kimura Ph. D.**
1037, PocketA-SectorA,
Vasant Kunj, New Delhi – 110 070.
(The above address is in Form iv)
Visiting Researcher, Equine Museum of Japan
3-21-4, Omachi, Kamakura,
Kanagawa, Japan-2480007
2. **Date of application in the prescribed form :** 4th August 2004
3. **Type of form used :** **Form IV** (Application form for seeking approval of NBA for third party transfer of the accessed bioresource and associated traditional knowledge)
4. **Name of the project:** Revaluation of the traditional production of the hybrid of the Indian Wild ass (*Equus hemionus khur*) and the female donkey (*E. Asinus*) in Gujarat.
5. **Type of Bioresource:** Hair and blood sample of Indian wild ass *Equus hemionus khur* from captivity.
6. **Application supported by any other Government Institution :** Permission Lr- 1-1/93 WL-1 (pt) dt. 20.4.04 from DIG (WL) MoEF , New Delhi.
7. **Collaborating Agency Name and Address:** Third party transfer to Dr. Oliver Ryder, Center for Repro. On Endangered Species (CRES), San Diego Zoo, US.
8. **Remarks :** As per the decision taken in the 2nd Authority meeting held on August 30th 2004, letters have been sent to experts such as Director, CCMB, Hyderabad (vide Lr.no. E-0010/80/2003-NBA (S) / 145 dated 8-09-2004), Director ZSI, Kolkata (vide Lr. No. E-0010/80/2003-NBA(S)/406 dated 16-11-04) and Director, WII, Dehradun (vide Lr. No. E-0010/78/2003-NBA(S)/146 dated 08-09-04 and Lr. no. E-0010/131/2003-NBA (S)/ 405 dated 16-11-04). Of which two replies have been received and it is submitted to the 3rd meeting of the authority for necessary approval (Appendix 7 and 8). **If permitted for access the applicant has to apply for transfer of material in the prescribed from and pay the application fee.**

6. Reference No : F. No. 9-6/2003- Tech
Date of Approval: Application not considered for not paying the application fee and for not applying in the prescribed format.
Particulars of Charges Paid: Not Paid

Education and Research (NIPER)
Sector 67, S. A.S Nagar (Mohali)
Punjab- 160062.

2. **Date of application in the prescribed form:**
3. **Type of form used:** Not applied in prescribed form.

4. **Name of the project:** Scientific Collaboration of NIPER with M/s.AVALON Pharmaceuticals on Genomic Screening of Natural Products.
5. **Type of Bioresource :** Plant material extract list given for 155 sp available with NIPER to be used for study 50 species of plants to be collected for extract.
6. **Application supported by any other Government Institution:** Applicant is from Govt. of India, Institution (Ministry of Chemicals and fertilizers, SAS Nagar, Punjab).
7. **Collaborating Agency Name and Address:** Avalon Pharmaceuticals, 20358, Seneca Meadows Parkway, Germantown, MD 20876.
8. **Remarks:** The applicant has not paid the application fees. In this regard a letter was sent to Shri. K. K. Bhutani *vide* Ir. No. E-0010/115/2003-NBA (S)/ 281 dated 4-10-2004 and no reply received till today.

8. Reference No : F. No. 9-8/2003- Tech
Date of Approval: Application not considered for not paying the application fee
Particulars of Charges Paid: Not paid

1. **Name and address of applicant: Dr. Ch. Sasikala**
Associate Professor
Centre for Environment,
Institute of Science and Technology
J. N. T. University
Kukatpally, Hyderabad – 500 072
 2. **Date of application in the prescribed form :** 28th June, 2004
 3. **Type of form used:** Form I and Form IV
 4. **Name of the project :** Studies on the global and local

Diversity of Purple and Green Sulfur Bacteria
Genetically and on the basis of Pure Cultures
obtained from Marine Habitats
 5. **Type of Bioresource :** Sea water and sediment /
soil samples for studying microbes
 6. **Application supported by any other Government Institution:**
DST, Government of India
 7. **Collaborating Agency Name and Address :** (Third party transfer)
Prof. Dr. J. F. Imhoff,
Professor & Head
Institut Fur Meereskunde,
Dept. Marine Mikrobiology,
Dusternbrookr Weg 20
D-24105 Kiel, Germany
- Remarks: The applicant has applied in the prescribed format in Forms I and**

IV, but the application fees was not paid. In this regard a letter was communicated to Dr. Ch. Sasikala vide Ir . No. E-0010/115/2003-NBA (S) dated 4.10.04 and no reply received till date. This collaborative research proposal on Indo-German, DST-DAAD project based personnel exchange programme of Department of Science and Technology, New Delhi.

**11. Reference No: F. No. 9-11 /2004- Tech
Date of Approval: Application not considered for not paying the application fee Particulars of Charges Paid: Not paid**

- 1. Name and address of applicant : Drs. Shonil A Bhagwat and Katherine J Willis,
School of Geography and the Environment
University of Oxford
Mansfield Road, Oxford , OXi 3TB , U. K.**
- 2. Date of application
in the prescribed form : 7th January, 2005**
- 3. Type of form used : Form I**
- 4. Name of the project : Collection of sediment cores from sacred groves of
Kodagu District, Western Ghats, Karnataka.**
- 5. Type of Bioresource : Sediment samples from Western Ghats (Virjapet
taluk, Kodagu District, Karnataka State, Western
Ghats).**
- 6. Application supported by any
other Government Institution : Nil.**
- 7. Collaborating Agency
Name and Address : Dr. C. G. Kushalappa,
University of Agriculture Sciences
College of Forestry**
- 8. Remarks: The applicant has applied in the prescribed format in Form I, but the
application fees was not paid. In this regard a letter was communicated to Dr.
Shonil A Bhagwat Ir. No. E-0010/145/2003-NBA (S) dated 15.1.2005. Further it
was also mentioned that upon receipt of the prescribed fees, their application
will be considered in the next NBA committee meeting for approval and based
on that the applicants have to sign an agreement with NBA. To this effect a
letter NBA/TECH Appl/9-11-2005/2005-2006 945/946 was sent on 27.04.2005 to
pay the application fee and no reply was received till date.**

**12. Reference No : F. No. 9-12 /2004- Tech
Date of Approval: Application not considered for not paying the application fee
and not applying in prescribed form.
Particulars of Charges Paid: Not Paid**

Directorate of Research
Indian Council of Forestry Research and
Education, P.O. New Forest,
Dehradun-248 006 .

2. **Date of application in the prescribed form** : Nil
3. **Type of form used** : Nil
4. **Name of the project** : Not Known
5. **Type of Bioresource** : Transfer of *Salvadora persica* seeds.
6. **Application supported by any other Government Institution** : Indian Council of Forestry Research & Education ,
P.O. New Forest, Dehradun-248006.
7. **Collaborating Agency Name and Address** : **Dr. Jiang Chunquain** ,
Deputy Director, international farm
Forestry Training Center, Chinese
Academy of Sciences
8. **Remarks: Applicant has not applied in the prescribed format. In this regard a letter was sent to Shri Mudit Kumar Singh vide Ir. No. E-0010/144/2003-NBA(S) dated 15.1.2005. No reply received till today.**
As per the letter received the proposal is from Indian Council of Forestry Research & Education, Government of India, Dehradun under Joint Forest Management, NRDC project.

14. Reference No : F. No. 9-14/2005- Tech
Date of Approval: Indian Citizen studying abroad. Permission granted by Govt. of Andhra Pradesh to conduct research on Indian Fox.
Particulars of Charges Paid: Not Paid

1. **Name and address of applicant** : Mr. Abi Tamim Vanak Ph.D.Scholar,
Department of Fisheries and Wildlife Sciences
University of Missouri-Columbia,
302, Anheuser-Busch Natural Resources
Building, Columbia, Missouri – 65211, USA.
Address fir Correspondence:
Centre for wildlife Studies,
823, 13th Cross, Jayanagar, 7th Block West,
Bangalore 560 082, India.
2. **Date of application in the prescribed form** : Not applied through prescribed form
3. **Type of form used** : Nil
4. **Name of the project** : Not Known
5. **Type of Bioresource** : Rollapadu Wildlife Sanctuary involving camera trapping and den monitoring of Indian Foxes.
6. **Application supported by any other Government Institution:** Forest Department, Andhra Pradesh.
7. **Collaborating Agency, Name and Address** : Nil

8. **Remarks:** The applicant has approached PCCF, Andhra Pradesh and the PCCF has forwarded his application for approval. In this connection a letter was sent to the applicant and the PCCF, AP (vide Lr No. NBA/TECH APPL/9-14-2005/2005-06/926 & 927 dt. 19-04-2005) to apply in the prescribed form with the specified fee for the approval of the application. A recent letter dated 28.6.2005 received from the applicant informing that he is an Indian studying abroad and there is no need for getting permission from NBA. Also in his letter he mentioned that permission has been issued by Andhra Pradesh forest department for his research.

15. Reference No : F. No. 9-15/2005- Tech

Date of Approval : Application not considered due to non payment of application fee and not applied in the prescribed form.

Particulars of Charges Paid: Not Paid

1. **Name and address of applicant :** Dr Priyadarsanan Dharma Rajan,
Fellow Scientist, Ashoka Trust for Research
In Ecology and the Environment (ATREE),
#659, 5th Main, Hebbal, Bangalore – 560 024.
2. **Date of application in the prescribed form** : Not applied through prescribed form
3. **Type of form used** : Nil
4. **Name of the project** : Inventorying of certain Lesser-Known Insect Taxa of Western Ghats.
5. **Type of Bioresource** : To conduct a qualitative survey of selected lesser known insect taxa of the Western Ghats of India.
6. **Application supported by any other Government Institution :** Nil
7. **Collaborating Agency Name and Address** : Nil
8. **Remarks :** The applicant has approached the Chief Wildlife Warden of Kerala and the CWW, Kerala has directed the applicant to approach for permission for bio-survey to NBA. The applicant has visited NBA in person to clarify the doubts and has also submitted the project proposal which he is intending to conduct. However, as per section 3 of Biological Diversity Act the person has to apply in prescribed form for approval. In this connection a letter was written to the applicant (vide letter No NBA/TECH APPL/9-15-2005/2005-06/929 dt. 20-04-2005) to apply in the prescribed form with the specified fee for the approval. So far no reply received.

16. Reference No: F. No. 9-16/2005- Tech

Date of Approval : Application not considered due to non payment of application fee and not applied in the prescribed form.

Particulars of Charges Paid: Not Paid

1. **Name and address of applicant :** **Sydney A. Cameron, PhD**
Department of Entomology and Program in
Ecology and Evolutionary Biology, 320
Morrill Hall, 505 S.Goodwin Ave,
University of Illinois, Urbana, IL 61801.
2. **Date of application**
in the prescribed form: Not applied through prescribed form
3. **Type of form used:** Nil
4. **Name of the project :** Phylogeny of the world's species of bumble bees
5. **Type of Bioresource :** Bumble bees
6. **Application supported by any other Government Institution:** The applicant has mentioned **Professor Ragavendra Gadagkar**, IISC, Banglore in his email letter.
7. **Collaborating Agency, Name and Address:** The applicant has mentioned **Professor Ragavendra Gadagkar**, IISC, Banglore in his email letter.
8. **Remarks:** The applicant contacted NBA office through email and asked for permission to transport Bumble bees. When it was replied to him to apply through prescribed Form and pay the fee (vide Lr NO. NBA/TECH APPL/9-16-2005/2005-06/928 dt. 20-04-2005) for approval no reply received till date

**2. The following applications are to be forwarded
to NBPGR, New Delhi**

Application No. 1a (Page 37 of the Agenda)
Application No. 10 (Page 48 of the Agenda)
Application No. 17 (Page 55 of the Agenda)
Application No. 20 (Page 58 of the Agenda)

1a. Reference No : F. No. 9-1a/2003- Tech
Particulars of Charges Paid: Rs. 10,000/- (SBI D.D. No. 898452 dt.09-11-2004)

1. **Name and address of applicant :** **Smt. A G Indika Lakmini**
Jay Health Foods (Pvt. Ltd.)
86, Thimbrigasyaya Road, Colombo 05
2. **Date of application in the prescribed form:** 1-11- 2004.
3. **Type of form used:** Form I.
4. **Name of the project :** **Commercial production of Ayurvedic Drugs**
5. **Type of Bioresource :** Genetically uniform budded *Emblica officinalis* plants of Narendra aonla 6, 7, and 10
6. **Application supported by any other Government Institution:** The Ambassador and Deputy High Commissioner, **Mr. Sumith Nakandala** of the deputy high commission for Democratic **Socialist Republic of Srilanka** in

Southern India has requested in his letter vide ltr. No. DHC/S&T/15 dated 2-12-2004 and ltr. No. DHC/S&T/15 10.3.2005, to grant permission for access of genetic material of *Emblica officinalis* from India to Sri Lanka.

7. Collaborating Agency, Name and Address: Ms. C B Indhra,

Herbals India,
27A, Gujji Second Street
Anna Nagar East
Chennai 600 102, India

- 8. Remarks: The applicant has submitted the application in the specified format in Form I with a fee of Rs. 10,000/- for further action. However the Turnover of the organization given as no commercial production. It is understood from the application that the access is mainly for commercial production and use in commercial utilization in Ayurvedic medicine. Proposed mechanism and arrangements for benefit sharing not clearly spelled out by the applicant.**

10. Reference No : F. No. 9-10 /2004- Tech (Form I and Form IV, From IV fee not paid)

Date of Approval: The applicant has paid application fee for access of the Bioresource. However the applicant has given a letter to exempt the access permission sin the bioresources is a normally traded commodity.

Particulars of Charges Paid: Paid R. 10,000/- by Cheque No. 011638 dt.14-02-2004

- 1. Name and address of applicant:** Mr. Chandy C. Thambi, International Flavours & Fragrances India Limited, 1-5 Seven Wells Street, St. Thomas Mount, Chennai – 600 016.
- 2. Date of application in the prescribed form** : 14th February, 2005
- 3. Type of form used** : Form I and IV
- 4. Name of the project** : Commercial (To procure *Vanilla planifolia* beans from any part of India for further processing and export to IFF affiliate companies in USA and to other customers in USA, Canada and Europe)
- 5. Type of Bioresource** : **Processed *Vanilla planifolia* beans from all parts of India between 10 mt to 100 mt procured depends on the availability.**
- 6. Application supported by any other Government Institution** : Nil
- 7. Collaborating Agency Name and Address** : International Flavours and Fragrances Inc.,
1515 State
Highway # 36, union Beach,
New Jersey 07735, USA
- 8. Remarks: Application submitted in prescribed format- FORM I and IV with a fee of Rs. 10, 000/- (Standard Chartered Cheque No. 011638), the application is**

submitted to authority meeting for further action. He has also submitted a letter for exemption of access permission since the material for access is a normally traded commodity.

17. Reference No : F. No. 9-17/2005- Tech

Date of Approval: Government of India collaborative research programme.

Exempted from permission.

Particulars of Charges Paid: Not Paid

1. **Name and address of applicant:** Ministry of Agriculture,
Department of Agricultural Research &
Education, Krishi Bhawan, New Delhi – 1.
2. **Date of application
in the prescribed form:** Nil
3. **Type of form used:** Nil
4. **Name of the project:** Enhancement of Genetic diversity in Food, pulses and Oil
crops and establishment of mutant germplasm Network.
5. **Type of Bioresource:** Groundnut varieties TG-3 and TAG – 24, Four released
hybrid maize DHM-105, HM 5 HM 4 and HQPM – 1,
Thirteen released variety of wheat, 25 released varieties
of *Brassica juncea*, Seeds of *Phalaris minor*.
(Exchange of Germplasm)
6. **Application supported by any other Government Institution:** Collaborative
Research Project of Department of Agricultural
Research and Education, Ministry of Education, GOI,
New Delhi and approved by Central Government.
7. **Collaborating Agency, Name and Address:** Department of Agricultural
Research and Education, Krishi Bhawan, New Delhi-
110001.
8. **Remarks:** Export of plant Genetic Resources to five different countries as
given in the application. This proposal is approved by Central Government.
As per the letter F No 4-11/2003-ICII dated 2nd May 2005 the intimation was
given to NBA by Mr R K Jain Deputy Secretary that the material was
exported to respective country in accordance with the internal guidelines of
DARE. This is for information and necessary action to the authority.

20. Reference No : F. No. 9-52/2005

**Date of Approval : Normally Traded Commodity exempted from approval in
accordance with section 40 of BDA 2002. In the absence of notification of
normally traded commodity by Govt. of India already existing regulations of
Govt. of India will suffice .**

Particulars of Charges: Nil

1. Name and address of applicant : Kishan Lal Kuria Mal International
222, Sukhdev Vihar, New Delhi
2. Date of application
in the prescribed form : Application not received
3. Type of form used : ---
4. Name of the project : Export of *Nux Vomica* Seeds
5. Type of Bioresource : Normally Traded Commodity
6. Application supported by any
other Government Institution : Nil
7. Collaborating Agency, Name
and Address : Nil
8. Remarks : Normally Traded Commodity exempted
from approval in accordance with section 40 of BDA 2002. In the absence of
notification of normally traded commodity by Govt. of India already existing
regulations of Govt. of India will suffice . To this effect a letter was issued by
the NBA to the above company.

**The following applications are to be put up to the
committee for examination and recommendation for
approval.**

Application No. 7 (Page 43 of the Agenda)
Application No. 9 (Page 45 of the Agenda)
Application No. 13 (Page 51 of the Agenda)
Application No. 18 (Page 56 of the Agenda)
Application No. 19 (Page 57 of the Agenda)
Application No. 21 (Page 59 of the Agenda)
Application No. 22 (Page 60 of the Agenda)
Application No. 23 (Page 61 of the Agenda)

**7. Reference No: F. No. 9-7/2003- Tech
Particulars of Charges Paid: Rs. 10,000/- D. D. No. 266895 dt. 05-10-2004**

1. Name and address of applicant: Dr. A. Sait Sahul Hameed
Reader in Zoology
C. Abdul Hakeem College
(Govt. aided Institute), Vellore Dist,
Tamilnadu.
2. Date of application in the prescribed form : 21st July, 2004
3. Type of form used: Form IV (Application form for seeking approval
of NBA for third party transfer of the accessed
Bioresource and associated traditional knowledge).

4. **Name of the project:** Studies on Viruses (Mr NV / XSV / and EWSSV)
pathogenic to *Macrobrachium rosenbergi*
5. **Type of Bioresource :** Viral Infected post larvae and juveniles
of fresh water prawn *Macrobrachium rosenbergii*.
6. **Application supported by any other Government Institution:** INDO-FRENCH
CENTRE FOR THE PROMOTION OF ADVANCED RESEARCH (IFCPAR), 5B,
Ground Floor, India Habitat Centre, Lodhi Road, New Delhi, 110 003, India.
7. **Collaborating Agency Name and Address :** Dr. Bonami Jean – Robert ,
Research Director, DRIM, CNRS /
IEREMER/ UM 2, University of
Montpellier 2, 34095 Montpellier
Cedex 5, France
8. **Remarks:** Applicant has applied in the prescribed form in Form IV, but he had
not paid the fees due to delay in the project sanction. In this regard a letter was
sent To Dr. S. Sahul Hameed vide Ir. No. E-0010/115/2003-NBA(S) dated
4.10.04. Dr. Hameed has paid Rs. 10, 000/- and the proposal is submitted for
approval in the Authority meeting.

This is a collaborative research project proposal between the applicant and
Dr Bonami Jean, CNRS/ University of Montpellier supported by INDO-
FRENCH CENTRE FOR THE PROMOTION OF ADVANCED RESEARCH
(IFCPAR), 5B, Ground Floor, India Habitat Centre, Lodhi Road, New Delhi,
110 003, India. Expert opinion is appended in Appendix 9 and 10.

9. Reference No : F. No. 9-9 /2004- Tech (Form I and Form IV but fee for form IV not
paid)
Date of Approval: The applicant has paid application fee for access of material and
for transfer of the Bioresource.
Particulars of Charges Paid: Paid R. 10,000/ (Cheque No. 011469 dt.03-11-2004) for
access and another Rs. 10,000/= for transfer.

1. **Name and address of applicant:** Mr. Chandy C. Thambi, International
Flavours
 - i. & Fragrances India Limited, 1-5 Seven
Wells
 - ii. Street, St. Thomas Mount, Chennai – 600
016.
2. **Date of application
in the prescribed form** : 10th November , 2004
3. **Type of form used** : Form I and IV
4. **Name of the project** : Commercial (Screening of edible plants for
i. extracting flavours and fragrances).
5. **Type of Bioresource** : 68 plant species as per list enclosed in the
i. From all parts of India.

6. **Application supported by any**
7. **other Government Institution** : Nil
8. **Collaborating Agency**
9. **Name and Address** : International Flavours and Fragrances Inc. (IFF)
 - i. 1515 State Highway,
 - ii. # 36, union Beach, New Jersey 07735, USA
10. **Remarks: Application submitted in prescribed format- FORM I and IV with a fee of Rs. 10, 000/- (Standard Chartered Cheque No. 011469) for access and Rs. 10,000/= for transfer of material. The application is submitted for further action in the NBA meeting.**

13. Reference No : F. No. 9-13/2005- Tech
Particulars of Charges Paid: Paid through wire transfer on 10-03-2005

1. **Name and address of applicant: Gene E. Robinson,**
G. William Arends Professor of Integrative Biology, Director, Neuroscience Program Chair, Genomics of Neural and Behavioral Plasticity Institute for Genomic Biology, Department of Entomology, University of Illinois, 505 S, Goodwin Ave, Urbana, IL 61801 USA.
2. **Date of application in the prescribed form** : 17-2- 2005.
3. **Type of form used** : Form I.
4. **Name of the project** : Molecular basis of learning and behavior in Social insects (honey bee).
5. **Type of Bioresource** : *Apis florae*, *Apis dorsata*, *Apis cerana* and *Apis mellifera* – honey bee species.
6. **Application supported by any other Government Institution:** Nil
7. **Collaborating Agency**
Name and Address : **Dr Moushumi Sen Sarma**
C/o Prof. Raghavendra Gadagkar
Centre for Ecological Sciences
Indian Institute of Science
Bangalore – 560 012, India.
9. **Remarks: This is a collaborative research project between Mr Gene Robinson of University of Illinois, USA and Dr Moushumi Sen Sarma C/o Prof. Raghavendra Gadagkar of Indian Institute of Science, Bangalore.**

18. Reference No : F. No. 9-18/2005- Tech
Particulars of Charges Paid: Paid through SWIFT Transfer ON 17.05.2005.

1. **Name and address of applicant:** **Mr Patrick Martin**
House 3, Block E, Alcuin College
York YO10 5NB, UK
2. **Date of application in the prescribed form:** 03.05.2005
3. **Type of form used:** Form I
4. **Name of the project:** Limnological Research on Tsho Moriri, Ladakh.
5. **Type of Bioresource:** Littoral organisms of the Tsho Moriri Lake such as Phyto and Zooplankton, meiofauna and water samples for research.
6. **Application supported by any other Government Institution:** **The University of York,
Department of Biology
PO BOX 373, York YO10 5YW, UK.**
7. **Collaborating Agency, Name and Address:** **Prof Brij Gopal,
Jawaharlal Nehru University
New Delhi**
8. **Remarks:** The applicant has proposed to conduct study on the Tsho Moriri Lake at Ladakh in collaboration with Prof. Brij Gopal of Jawaharlal Nehru University New Delhi and collect and identify the plankton, meiofauna and study the water sample for other nano and Pico plankton. To confirm the details of the collaborating agency a letter was written to Prof. Brij Gopal and there is no reply received till date.

19. Reference No: F. No. 9-51/2005 Particulars of Charges: Paid Rs.10000/-. D.D.No.: 839404 (SBI) dt.23-06-2005
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1. **Name and address of applicant** : **Rohini Balakrishnan, Assistant
Professor, Centre for Ecological
Sciences, Indian Institute of Science**
2. **Date of application
in the prescribed form** : **14-06-2005**
3. **Type of form used** : **Form I**
4. **Name of the project** : **Phylogeny and Acoustic evolution in
Crickets**
5. **Type of Bioresource** : **Collection of Cricket species (Class
Insecta, Order Orthoptera, Sub-order
Ensifera) belonging to the groups
Gryllinae, Eneopterinae and
Phalangopsidae**
6. **Application supported by any
other Government Institution** : **Indo French Centre for the promotion of
Advanced Scientific research and**

approved by the scientific council of IFCPAR in May 2003.

7. Collaborating Agency, Name and Address

: Dr. Laure Desutter-Grandcolas, Mus'ee National d'Historie Naturelle, Paris, France

8. Remarks: Phylogenetic relatedness of species from South India belonging to three groups of Cricket Species. Collaborative research Project through Department of Science and Technology, Government of India supported by Indo French Centre for the promotion of Advanced Scientific Research.

21. Reference No : F. No. 9-53/2005

Particulars of Charges: Paid Rs.10000/-. D.DNo.: 045609 (Central Bank of India) dt.: 03-06-2005

- 1. Name and address of applicant : Eric Nelson Smith, Amphibian and Reptile Diversity Research Center, Department of Biology, The University Of Texas at Arlington, Arlington, Texas, USA**
- 2. Date of application in the prescribed form : 12-06-2005**
- 3. Type of form used : Form I**
- 4. Name of the project : Research on Terrestrial venomous coral snakes**
- 5. Type of Bioresource : Terrestrial venomous coral snakes of the snake family Elpidae (genera: Calliophis and Sinomicrurus)**
- 6. Application supported by any other Government Institution : Dr.Yogesh Shouche National Centre for Cell Science, Department of Biotechnology, Govt. of India**
- 7. Collaborating Agency, Name and Address :1. The National Centre for Cell Biology of University of Pune (NCCS) (Under the Supervision of Dr.Yogesh Shouche) will carry out DNA sequencing.
2. Dr.Karthikeyan Vasudevan from Wildlife Institute of India, Dehradun.**
- 8. Remarks : Research proposal on coral snakes supported by National Science Foundation of United States of America (Grant No. DEB 04 16160) was submitted to NBA with background information.**

Biosurvey and DNA sequencing of Coral Snakes are to be conducted in collaboration with Indian Scientist Dr Yogesh Shouche, NCCS, Pune.

22. Reference No : F. No. 9-54/2005

**Particulars of Charges: Paid Rs.10000/-. D.D.No. 045608 (Central Bank of India)
dt.13-06-2005**

- 1. Name and address of applicant** : **Eric Nelson Smith, Amphibian and Reptile Diversity Research Center, Department of Biology, The University Of Texas at Arlington, Arlington, Texas, USA**
- 2. Date of application in the prescribed form** : **12-06-2005**
- 3. Type of form used** : **Form I**
- 4. Name of the project** : **Survey on unprotected Amphibians and Reptiles**
- 5. Type of Bioresource** : **Amphibians and Reptiles – collect and deposited at museum**
- 6. Application supported by any other Government Institution** : **Dr.Yogesh Shouche, National Center for Cell Science**
- 7. Collaborating Agency, Name and Address** : **Funded by National Science Foundation, 4201 Wilson Boulevard, Arlington, Virginia 22230**
- 8. Remarks** : **Not more than 2000 specimens of unprotected Amphibians and Reptiles will be collected by the applicant. As given in the application the majority of the specimen will be salvaged from road killed specimens of frogs and snakes, 300 specimens from road or near road localities in 19 states. Collection will be made during field sessions in the years 2005 and 2006 less than 6 months. Number of persons participating Dr.Yogesh Shouche (NCCS), Eric N.Smith (UTA), Todd A.Castoe (UTA), Jesse Meik (UTA), Carl Franklin (UTA), Ashock Captain, Romulus Whittaker, M.S. Chaitra (WII), Varad Giri (BNHS), Amit Chavan (BNHS), K.V. Gururaja (IIS). This survey will be directly related to taxonomy and relationships of venomous coral snakes.**

23. Reference No : F. No. 9-55/2005- PATENT APPLICATION

Particulars of Charges Paid: Rs. 500/= Cheque No. 557089 dt.28-03-2005

- 1. Name and address of applicant** : **International Flavors and
Fragrances Inc.
521, W. 57th Street,
New York, NY-10019, USA.**
- 2. Date of application
in the prescribed form** : **25-03-2005**
- 3. Type of form used** : **Form III**
- 4. Name of the project** : The use of *Decalepis hamiltoni* extract and
/ or 2-hydroxy-4-methoxy benzaldehyde
which has the ability to produce a vanilla
flavour to foodstuffs or to enhance or
extend the taste of vanilla and can
therefore be used to advantageously in
combination with vanilla to economically
enhance the desirable taste of vanilla.
- 5. Type of Bioresource** : The dried roots of *Decalepis hamiltoni*,
which is commercially available in large
volumes in most of the crude ayurvedic
and country herb shops in India is used in
certain formulations of Indian System of
Medicine and is commercially marketed.
- 6. Application supported by any
other Government Institution** : Nil
- 7. Collaborating Agency, Name
and Address** : **International Flavours & Fragrances
India Limited, 1-5, Seven Wells Street,
St. Thomas Street, Chennai-600016.**
- 8. Remarks** : **Application submitted in prescribed
format- FORM III with a fee of Rs. 500/- (Standard Chartered Cheque No.
557089 dt.28-03-2005), the application is submitted to authority meeting for
further action. As per Sub section 1 of Section 6 application for intellectual
property rights not to be made without approval of National Biodiversity
Authority.**

7. APPROVAL OF TERMS OF REFERENCE AND THE ROSTER OF EXPERT COMMITTEES

In the second meeting of the Authority (Minutes of the meeting No. 4. appointment of Expert Committees.) five Expert Committees to deal with

1. Collaborative Research Projects.
2. Material Transfer Agreement, Patents, and Benefit Sharing.
3. Normally Traded Commodities.
4. Rare Threatened Endangered and Endemic Species.
5. Biodiversity Resources Centre Database.

were decided to be setup by the Authority. The terms of Reference (TOR) for the above ECs were formed and given below for approval. Also the roster of Experts drawn from various fields to enable the constitution of multi disciplinary ECs were also made available to the Authority for approval.

REVISED TERMS OF REFERENCE (TOR) FOR EXPERT COMMITTEES AS PER THE COMMENTS BY THE MEMBERS OF THE AUTHORITY

1. Expert Committee on Collaborative Research

- a) Develop guidelines to address collaborative research viz. bilateral or multilateral research approved by the Government of India (Note: Whether there is Policy Guideline by the Government of India? Whether the Biodiversity Act has been incorporated into the already existing guidelines? Whether there is a need to prepare a new set of guidelines? If there is need for developing new guidelines how should it be framed?)
- b) Develop guidelines for collaborative research amongst organisations, universities, departments etc involving foreign institutions. (In view of increased focus by outside agencies on certain groups of organisms such as salt tolerant varieties and insects, the committee may consider tightening of norms for collaborative research)
- c) Develop guidelines for accredited or approved bodies and industry; between industries and research organizations supported by the Government; industries and research organizations; between academic institutions within India and abroad etc.

- d) Develop Guidelines for non-collaborative research (collections) under the following three categories viz. flora, fauna and microorganisms of soils, sediments and genetic material from dead organism.
- e) Develop guidelines for sharing of data and ongoing research, in accordance to the Act.

2. Expert Committee on Access and Benefit Sharing and Material Transfer Agreement (MTA).

- a) Inventory of Material Transfer Agreements (MTA) in various government departments and organisations (Note: Whether the Biodiversity Act has been incorporated into the already existing MTA, MAT and PIC. Whether there is a need to prepare a new set of MTA incorporating provisions of the BD Act 2002? If there is need for developing new MTA, how should it be framed taking into consideration of relevant international accords and guidelines.)
- b) Develop guidelines for patents in the light of benefit sharing arising out of biological diversity as per sub-section 2 of Section 6 of the Biological Diversity Act 2002 and Patent amendment Act.
- c) Develop guidelines, procedures and protocols for access to parts /whole of Flora, Fauna, Microorganisms and Genetic Material for new collections for research and/or commercial utilization.
- d) The above guidelines should include provisions for monetary and other benefits such as royalty, joint ventures; technology transfer; product development, education and awareness raising activities; institutional capacity building and venture capital fund. These guidelines should also provide ways and means for determining equitable benefit sharing on a case-by-case basis.
- e) Develop guidelines for imposing terms and conditions for ensuring equitable sharing of benefits arising out of the use of accessed biological material and associated knowledge in mutual agreement between the person applying of approval and the Authority in consultation with the Biodiversity Management Committee (BMC) taking into consideration of defined parameters of access, the extent of use, the sustainability aspect, impact and expected outcome levels including measures ensuring conservation and sustainable use of biological diversity. The above guideline should also include time frame for assessing benefit sharing on short, medium and long-term benefits.
- f) Develop guidelines for Prior Informed Consent (PIC) and Benefit Sharing for researchers (universities, government organizations, non-governmental organisations, etc.), industries (public sector and private

sector), foreigners, State Biodiversity Boards, Biodiversity Management Committee (BMC) incorporating benefit-sharing clause.

- g) Education and Research
- h) The output of this EC would be applicable to other relevant Expert Committees.

3. Expert Committee on Normally Traded Commodities (NTC)

- a) Define Normally Traded Commodities (NTC)
- b) Prepare an inventory of Normally Traded Commodities (NTC) such as plants, animals and microorganisms or parts thereof, their genetic material and byproducts (**excluding value added products**) with actual or potential use or value but does not include human genetic material in addition to derivatives and extracts. The guidelines should have scope for addition and deletion of NTC in National Interest.
- c) This committee will also take into account those normally traded commodities that constitute foods and those that are used for the purpose of regeneration.
- d) The guidelines should also consider incorporating reciprocal Livelyhood measures to protect the interest of our country.

4. Expert Committee on Threatened, Endangered and Endemic Species

- a) Develop guidelines for identifying the list of Rare, Threatened, Endangered and Endemic species to the Government of India, taking into consideration already existing list of species from agencies such as the Botanical Survey of India (BSI), Zoological Survey of India (ZSI), Wildlife Institute of India (WII), IUCN, CITES, FRLHT, AYUSH and other agencies.
- b) The obtained, collated and reviewed information may be used to identify the gap areas, consolidate and recommend the final list to the Government of India.
- c) Prepare guidelines to notify or denotify any species which is on the verge on extinction or become pest or likely to become extinct in the near future as a threatened species and prohibit or regulate collection thereof for any purpose and take appropriate steps to rehabilitate and preserve those species.
- d) Identifying priority areas on taxonomy and capacity building on taxonomy.
- e) Invasive species
- f) Genetically modified organism monitoring studies, insects, pollinators and wild life.

5. Expert Committee on Databases on Bio-resources and Traditional Knowledge (TK).

- Develop guidelines for integrating Peoples' Biodiversity Register (PBR) NIF and other sources knowledge into the database at national, state and local level.
- Develop a proposal for documenting and integrating current ongoing biodiversity related research projects by various Ministries (Ministry of Environment & Forests, MST), Funding Agencies (National and International) and PhD thesis from various research organisations and universities so far conducted in India.
- Identification of prerequisites for the establishment of a Biodiversity Resource Centre (BRC) that would function as a) a documentation centre, b) a source centre for publications, unpublished reports and other relevant documents, c) Identify organisations and departments (such as NBRI, NIF, Honey Bee, CES-IISc, FRLHT, MSSRF, NCL, Anthropological Survey India, Tribal Welfare, AYUSH, CSIR, MST, GB Pant Institute for Himalayan Ecology and Development, ICAR) which have authentic and valid databases, seek access for providing linkages through the web.

**FINAL LIST OF EXPERT COMMITTEES APPROVED BY
THE AUTHORITY MEMBERS DURING THIRD
AUTHORITY MEETING HELD ON 15-07-2005**

1. EC ON COLLOBORATIVE RESEARCH

CHAIRMAN	
Dr.Dhillon, Director, National Bureau of Plant Genetic Research, ICAR, Pusa Campus, New Delhi –12.	
MEMBERS	
SL.NO.	NAME
1.	Prof. P.S.Ramakrishnan, Jawaharlal Nehru University, New Mahrauli Road, New Delhi Ph: 011 – 26717676
2.	Prof. T.C.Narendran Systematic Entomology Laboratory, Department of Zoology, University of Calicut, Calicut-673 635

	Tel: 91-494-240 1144 / 419 Fax: 91-494-240 0269
3.	The Director General OR HIS NOMINEE ICFRE, P.O. New Forests, Dehradun – 248 006, Uttaranchal, Ph : 0135 – 755 277.
4.	Dr. Yogesh S. Shouche National center for Cell Science, Pune University Campus, Ganeshkhind, Pune-411 007. Tel: 91-20-256 0922(o) Fax: 91-20-2569 2259(o) Email: yogesh@nccs.res.in , Syogesh10@hotmail.com
5.	Dr. J. Nagaraju Staff Scientist & Chief Laboratory of Molecular Genetics Centre for DNA Fingerprinting and Diagnostics 4-87/1, ECIL road, Nacharam, Hyderabad-500 076 Tel: 91-40-27171427 (direct) (o) ; 91-40-27151344 Extn:1100(o), 1102
6.	Dr. G.S.Lavekar, Director, Central Council for Research in Ayurveda & Siddha, 61-62, Institutional Area, D Block, Janakpuri, New Delhi
7.	Dr J P Mishra Asst. Director General, ICAR, Anu Sandhan Bhavan, Pusa Campus, IARI, New Delhi – 110012
8.	Dr Natesh Advisor Department of Biotechnology, CGO Complex, Block No.2, Lodhi Road, New Delhi – 110001
9.	Dr TJ Kurian Director Dept. of Science and Technology, Technology Bhavan, New Mehrauli Road New Delhi.
10.	The Director,

	National Institute of Oceanography, Dona Paula - 403 004,Goa
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2. EC ON Access and Benefit Sharing AND Material Transfer

CHAIRMAN	
Dr. Pushpangadan National Botanical Research Institute Rana Pratap Marg Lucknow – 226001	
MEMBERS	
SL.NO.	NAME
1.	Prof.R.Kumar Jawaharlal Nehru Centre for Advanced Scientific Research Jakkur, Bangalore-560 064 Tel: 91-80-22932320, 22082750(O); Fax: 91-80-23600683, 23608121 Email: kumar@chemeng.iisc.ernet.in
2.	Dr.R.K.Gupta Head, Intellectual Property Management Division, 14, Sastang Vihar Marg, Special Institutional Area, NISCAIR Building, New Delhi-110067
3.	Dr.Suman Sahai, Gene Campaign J-235/Asainix Farms, Khanpur, New Delhi – 110 062. Ph: 91 – 11 – 2651 7248.
4.	Dr. K. Balaraman, Dy. Director, Sr. Grade, Vector Control Research Centre, ICM Marg, Indira Nagar, Pondicherry.
5.	Ms. Sumathi Swami Legal consultant CPR Foundation, CHENNAI.
6.	Dr.S.K.Sharma Advisor(Ayurveda), Red Cross Society Building, 1-Red Cross Road, New Delhi-110 001
7.	Dr.Chandra Mohan Former Head, NIO, GOA. Ph: 044 – 24797713 Mob: 93800 12073.
8.	Prof. Samir Brahmachari Director, Institute of Genomics and Integrative Biology, Delhi University Campus, Mall Road, Delhi-100 007 Tel: 11-27662407, 27667578, 27667298(O) Fax: 11-27667471,27662407
9.	Dr.C.K.Katiyar Director, Herbal Drug Research, R&D-II, 20, Sector 18, Udyog Vihar Industrial Area,

	Gurgaon, Haryana Tel: 91-0124-2397236
10.	Dr.J.P.Mishra, Director General, Anu Sandhan Bhavan, Pusa Campus, Indian Agricultural Research Institute, New Delhi – 110012

3. EC ON NORMALLY TRADED COMMODITIES

CHAIRMAN	
Dr. Prakash Tiwari , Director, National Academy of Agricultural Research Management, Rajendranagar, Hyderabad – 500 030	
MEMBERS	
SL.NO.	NAME
1.	The Director, Agricultural Trade, Indian Council of Agriculture Research, Anu Sandhan Bhavan, Pusa Campus, IARI, New Delhi – 110012
2.	Dr Vandana Aggarwal, Director (TPD) Ministry of Commerce, New Delhi
3.	Dr.D.Ramanathan General Secretary, Ayurvedic Medicine Manufacturers Organisation of India No.33, Arafat Towers, Velliyannoor Road, Thrissur-680021 Tel: 91-487-2420540 / 242395
4.	Dr.G.N.Qazi Director, Regional Research Laboratory, Canal Road, Jammu-181001
5.	The Director or his nominee Central Marine Fisheries Research Institute, Tatapuram (P.O), Cochin – 14, Kerala, Ph: 0484 – 2394867/ 2391407
6.	The Director, Marine Product Export Development Authority, MPEDA House, Panampilly Avenue, P.B.No:4272, Cochin – 682 036. Ph : 91 – 484 – 2311979/2311803
7.	The Director, AYUSH, Red Cross Building, Parliament Street, New Delhi 110 001
8.	Dr.S.S. Handa, Former Director, Regional Research Laboratory, Canal Road, Jammu-181001

4. EC ON THREATENED, ENDANGERED AND ENDEMIC SPECIES

CHAIRMAN	
Prof. T.N.Ananthakrishnan Emeritus Scientist Dwaraga, Nungambakkam, Chennai	
MEMBERS	
SL.NO.	NAME
1.	Dr.R.Uma Shanker Department of Crop Physiology, University of Agricultural Sciences, Bangalore-560065, Karnataka Tel: 91-11-27666237, 27667899, 27667819; Fax: 91-11-27666237, 27667093 Email: rus@vsnl.com
2.	Dr. Janardhanam, Botany Department Taleigao Plateau, Taleigao, Goa – 403 206.
3.	Shri.RPS. Katwal, Additional Director General (Forests) Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi 110003
4.	Prof. Dr T Balasubramaniam Director, CAS in Marine Biology Parangipettai, Tamil Nadu
5.	The Director Salim Ali Centre for Ornithology and Natural History (SACON), Anaikatty (PO), Kalayampalayam, Coimbatore – 641 108. Ph : 0422 – 2857101.
6.	The Director Zoological Survey of India, M block, New Alipore, Kolkatta-700053
7.	Dr.M. Swamiappan, Professor of Entomology, Agricultural College and Research Institute, Madurai.
8.	The Director Bombay National History Society, HornBill House, SB Singh Road, Bombay-400 023
9.	Dr.Narayanan Nair Director, National Botanical Research Institute, Rana Pratap Marg, P.B.No.436, Lucknow-226001,U.P.

10.	Dr. M. Subramanian Former Director (Research), Madurai.
11.	The Director Botanical Survey of India, P-8, Brabourne Road, Kolkata 700 001 Ph : 91 – 33 – 2424922.

**5. EC ON DATABASES ON BIO-RESOURCES AND TRADITIONAL
KNOWLEDGE**

CHAIRMAN	
Prof. Madhav Gadgil Centre for Ecological Sciences Indian Institute of Science Bangalore – 560 012	
MEMBERS	
SL.NO.	NAME
1.	Dr A. K. Ghosh Director Centre for Environment and Development 329, Jodhpur Park Kolkata -700 068
2.	Dr.K.N.Ganeshiah Department of Genetics & Plant Breeding University of Agricultural Sciences, GKVK Campus, Bangalore-560065 Tel: 91-80-23636276(o), 23330153 Extn:286; Fax: 91-80-23530070 Mobile: 98450 30767; Email: kng@vsnl.com
3.	Shri.V.K.Gupta Director, Planning and Management, National Institute of Science Communication and Information Resources(NISCAIR), Dr.K.S.Krishnan Marg, New Delhi-110012 Tel: 91-11-25846024, 2584835(o); Fax: 91-11-25847062 Email: ykg@niscair.res.in
4.	Shri.Darshan Shankar Director, Foundation for Revitalisation of Local Health Traditions(FRLHT) 74/2, Jarakbande Kaval, Yalahanka BG Bangalore-560064 Tel: 91-80-28565760(o); Fax: 91-80-8567926 Email: darshan.shankar@frlht.org.in
5.	V.N.Sanjaran Department of Ocean Development, CMLRE, Salim Ali Road, Kochi – 682 014. Ph : 0484 – 2390814.
6.	The Director National Bureau of Plant Genetic Research,

	ICAR, Pusa Campus, New Delhi – 110 012. New Delhi –12
7.	The Director Central Marine Fisheries Research Institute, Kochi
8.	The Director National Bureau of Fish Genetic Resources, Canal Ring Road, P.O.Dilkusha, Lucknow – 226 002, Uttar Pradesh. Ph : 91 – 522 – 2442440
9.	The Director National Bureau of Animal Genetic Resources, P.B.No : 129, Makrampur Campus, Karnal, Haryana – 132 001. Ph : 0184 – 2267918.

7. Discussion on suggestions by members and NGOs

The members of the Authority discussed in detail about the suggestions given by **Mr A J Kurian** Director, DST and others such as Hindustan Lever Ltd and Ayurvedic Drug Manufacturers Association and decided to take it in to account all the relevant points mentioned in their submission.

Most of the suggestions given by Dr Kurian are more relevant for implementing the Biodiversity Act 2002. As such in the there was no mention about enforcement component. This particular issue can be taken in to account for the purpose of implementation.

Action; Member Secretary.

The suggestions given by Hindustan Lever Ltd and Ayurvedic Drug Manufacturers Association has been discussed in detail the expert committee formed by the National Biodiversity Authority will examine in detail.

Action: Member Secretary.

8. Administrative Matters of NBA.

1. BUDGET AS APPROVED IN THE NATIONAL BIODIVERSITY AUTHORITY MEETING HELD ON 15.07.2005. CHENNAI

BUDGET PROPOSED FOR THE YEAR 2005-2006

STATEMENT SHOWING THE BUDGETARY REQUIREMENT PROPOSED FOR THE FINANCIAL YEAR 2005-06 FOR NATIONAL BIODIVERSITY AUTHORITY, 475, 9th South Cross Street, Kapaleeshwar Nagar, Chennai-600 041.

S.No.

SUB-HEADS

Amount Rs.

1.	Salaries	39,80,000
2.	Wages	29,12,947
3.	Honorarium	35,000
4.	Traveling Expenses	24,14,545
5.	Rent/Rates/Taxes	7,27,835
6.	Office Expenses (Recurring)	14,50,987
7.	Office Expenses (Non-Recurring)	9,09,013
8.	Other contingencies	13,68,848
9.	Other Office Equipments	3,85,000
10.	Website & Computer	14,61,110
11.	Authority meeting expenses	10,00,000
12.	State Biodiversity Boards	4,00,00,000
13.	Inaugural function of N.B.A.	1,00,000
14.	Library (Books and periodicals)	8,29,486
15.	Land and Building (Decision deferred) (Not included in this proposal)	22,00,00,000
16.	Project	1,15,00,000

TOTAL= 6,90,74,771

1.	Grants-in-aid sanctioned for 2004-05	Rs.70,82,211/-
2.	Amount spent during 2004-05	Rs.59,26,982/-
3.	Unspent amount during 2004-05	Rs.11,55,229/- * (1-2)
4.	Additional grants in aid released for the financial year 2004-05 for NBA, vide MoEF Ir.no.J-22018/21/2003-CSC(BC) dated 3.3.2004.	Rs.30,00,000/-**
5.	Additional grants-in-aid required for 2005-06 (5-3+4) [Rs.30,00,000 (+) Rs.11,55,229]	Rs. 6,90,74,771 (-)

TOTAL (5-3+4) Rs.6,49,19,542/=

(Rupees six Crores forty nine lakhs nineteen thousand five hundred and forty two only)

* Unutilized amount at the end of the year 2004-2005 will be adjusted towards the grants- in-aid payable during the next year 2005-2006.

** Demand Draft No.733190 dated 26.4.05 for Rs.30,00,000/- received by this office on 5th May, 2005 vide MoEF Ir.No.14/16/2004-CSC dt.29.4.05

Interest received from Short Term Deposits Rs.87,252/-

The above budget proposal was discussed with certain modification on the item 15 mentioned in the table above.

- 1. Item No 15. Purchase of Land and Building: This proposal is agreed in principle but the time and date for the purchase may be decided at a later date.**

BUDGET PROPOSED FOR THE YEAR 2005-2006

1	Salaries	Wages	Honorarium	Traveling Expenses	Rent, Rates Taxes	Office Expenses			Other Office Equipments	Website & Computer	Authority Meeting expenses	State Biodiversity Boards	Inaugural Function	Library	Land and Building	Projects	G. total
	Rs.	Rs.	Rs.	Rs.	Rs.	Recurring Rs	Non-recurring Rs.	Other Contg. Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Grants in aid required under the heads for the year 2005-06	39,80,000	29,70,000	50,000	25,00,000	8,30,000	15,00,000	10,75,000	15,00,000	4,25,000	15,00,000	10,00,000	4,00,00,000	4,00,000	10,00,000	22,00,00,000	1,15,00,000	7,02,30,000
Unspent balance of grants-in-aid under the heads for the year 2004-05 available in bank	(-) Nil	57,053	15,000	85,455	1,02,165	49,013	1,65,987	1,31,152	40,000	38,890	(-)Nil	(-)Nil	3,00,000	1,70,514	(-)Nil	(-)Nil	11,55,229
Additional grants-in-aid required under the heads for the year 2005-06	39,80,000	29,12,947	35,000	24,14,545	7,27,835	14,50,987	9,09,013	13,68,848	3,85,000	14,61,110	10,00,000	4,00,00,000	1,00,000	8,29,486	22,00,00,000 DECISION DEFERRED	1,15,00,000	6,90,74,771

**NATIONAL BIODIVERSITY AUTHORITY, CHENNAI
BUDGET ESTIMATES FOR SALARIES FOR THE YEAR 2005-2006**

**1. SALARIES
(Amount in Rs.)**

S.No.	Name of the Post	Pay Scale	No. of Posts	Pay per month	Pay for 12 months	D.P.	D.A.	CCA	H.R.A.	T.A.	Medical, LTC, etc.	Total
1.	Chairperson	26,000 (fixed)	1	26,000.00	3,12,000.00	1,56,000.00	84,240.00	3,600.00	1,40,400.00	9,600.00		7,05,840.00
2.	Member Secretary	18400-22400	1	18,400.00	2,20,800.00	1,10,400.00	59,616.00	3,600.00	99,360.00	9,600.00		5,03,376.00
3.	P.S. to Chairperson	10000-15200	1	10,000.00	1,20,000.00	60,000.00	32,400.00	3,600.00	54,000.00	9,600.00		2,79,600.00
4.	P.S. to Member Secy.	6500-10500	1	6,500.00	78,000.00	39,000.00	21,060.00	3,600.00	35,100.00	4,800.00		1,81,560.00
5.	Admin. Officer	10000-15200	1	10,000.00	1,20,000.00	60,000.00	32,400.00	3,600.00	54,000.00	9,600.00		2,79,600.00
6.	Technical Officer Grade-I	7500-12000	2	7,500.00 x 2	1,80,000.00	90,000.00	48,600.00	7,200.00	81,000.00	9,600.00		4,16,400.00
7.	Advisor (Law)	7500-12000	1	7,500.00	90,000.00	45,000.00	24,300.00	3,600.00	40,500.00	4,800.00		2,08,200.00
8.	Accounts Officer	8000-13500	1	8,000.00	96,000.00	48,000.00	25,920.00	3,600.00	43,200.00	9,600.00		2,26,320.00
9.	Steno Gr.C	5500-9000	1	5,500.00	66,000.00	33,000.00	17,820.00	3,600.00	29,700.00	1,200.00		1,51,320.00
10.	Steno Gr.D	4000-6000	1	4,000.00	48,000.00	24,000.00	12,960.00	3,600.00	21,600.00	1,200.00		1,11,360.00
11.	Offoce Asstt./ Computer Asstt.	5500-9000	2	5,500.00 x 2	1,32,000.00	66,000.00	35,640.00	7,200.00	59,400.00	2,400.00		3,02,640.00
12.	Tech. Asstt.	5500-9000	2	5,500.00 x 2	1,32,000.00	66,000.00	35,640.00	7,200.00	59,400.00	2,400.00		3,02,640.00
13.	Peon/Daftry *2 by outsourcing & 2 in scale of pay	2550-3200	*4	2,550.00 x 2	61,200.00	30,600.00	16,524.00	3,000.00	27,552.00	2,400.00		1,41,276.00
											1,69,868.00	1,69,868.00
	G.TOTAL		19		16,56,000	8,28,000	4,47,120.00	57,000.00	7,45,212.00	76,800.00	1,69,868.00	39,80,000.00

2. WAGES (*On contract basis.)

1.	Tech./computer Asstt.* (two no.)	4,70,000
2.	Accounts clerk* (one no.)	
3.	Peon/Daftry * (one no.)	
4.	Security Guard* (3 nos.) / Sweeper* (one no.)	
5.	Project Consultant/Expert Consultant	25,00,000
TOTAL=		29,70,00,000/-

3. HONARARIUM

1.	Honorarium for performing administrative works of National Biodiversity Authority using persons from outside office	50,000
TOTAL=		50,000/-

4. TRAVELLING EXPENSES

1.	Conducting meeting of the State Biodiversity Boards in connection with Orientation, progress/various activities	25,00,000
TOTAL=		25,00,000

5. RENT/RATES/TAXES

1.	Rent for office building @69,045/- per month	8,30,000
TOTAL=		8,30,000

6. OFFICE EXPENSES (Recurring)

1.	Payment of telephone charges	2,00,000
2.	Electricity charges for the office	2,00,000
3.	Hiring of Car for office use	6,00,000
4.	Hiring of vehicles for meetings	1,50,000
5.	Stationery/forms/printing/postage stamps etc.	1,25,000
6.	Computer stationery	1,00,000
7.	Xerox papers	25,000
8.	Speed post and Courier	1,00,000
TOTAL=		15,00,000

7. OFFICE EXPENSES (Non-recurring)

1.	Office Furniture (Reception, Conference room & Office)	5,00,000
2.	Installation of telephones (5 Nos)	50,000
3.	Installation of intercom	1,00,000
4.	Fax machine (2 no.)	1,00,000
5.	Glass door book shelves (6 nos.)	75,000
6.	Xerox machine	2,50,000
TOTAL=		10,75,000

8. OTHER CONTINGENCIES

1.	Miscellaneous expenses (items not included in any of the above heads)	15,00,000
		TOTAL= 15,00,000

9. OTHER OFFICE EQUIPMENTS

1.	Overhead Projector	70,000
2.	Slide Projector	70,000
3.	Television/VCR/DVD	75,000
4.	VCD Player	10,000
5.	Digital camera (Sony)	50,000
6.	LCD Projector	1,50,000
		TOTAL= 4,25,000

10. WEBSITE AND COMPUTERS

1.	Website maintenance	5,00,000
2.	Database	1,00,000
3.	Lap tap (1 no.) (Chairman)	1,00,000
4.	Compaq server	1,00,000
5.	Personal computer (3 nos.) (HP, P4, 40 GB)	1,50,000
6.	Scanner (2 nos.) (Latest)	50,000
7.	HP Laser printer (2 nos.) (Latest model)	50,000
8.	HP Laser colour printer (One)	50,000
9.	ISDN line including connectivity charges (For inter net)	1,00,000
10.	HUB (for connecting to the server)	50,000
11.	UPS 1000 K. Watts (5 nos.)	1,00,000
12.	Software for computers (Win 2000, Photo shop, MS Office etc.,)	1,50,000
		TOTAL= 15,00,000

11. AUTHORITY MEETING EXPENSES

1.	Traveling Allowance (Authority Members)	6,00,000
2.	Sitting fee	50,000
3.	Meeting arrangements	1,00,000
4.	Hiring of vehicle, accommodation	2,50,000
		TOTAL= 10,00,000

12. STATE BIODIVERSITY BOARDS

1.	One time grant for State Biodiversity Boards @Rs.10,00,000/- each for 28 states and UTs (5 States have been paid Rs. 5 lakhs in 2004-2005)	3,00,00,000
2.	Projects initiated by SBB	1,00,00,000
		TOTAL= 4,00,00,000

13. INAUGURAL FUNCTION OF NBA

1.	Organizational expenses for conducting inaugural function of the NBA	4,00,000
		TOTAL= 4,00,000

14. LIBRARY (BOOKS AND PERIODICALS)

1.	Purchase of Library Books and Periodicals	10,00,000
		TOTAL= 10,00,000

13. LAND AND BUILDING (decision on this proposal deferred)

1.	Purchase of land for office	2,00,00,000
2.	Building construction and establishment of <i>in situ</i> maintainance of genetic resources <i>ex situ</i> establishment of plant, animal and microbial genetic resources, establishment of plant genetic resources and herbal parks.	20,00,00,000
		TOTAL= 22,00,00,000

14. PROJECTS

1.	Punjab State Biodiversity Board	1,63,000
2.	C.P.R. Environmental Education Centre (10 seminars)	7,00,000
3.	M.S.Swaminathan Research Foundation (one state)	53,73,000
4.	Workshops, Project & Scientific	15,00,000
5.	Other Projects Pertaining to awareness creation, extension, research and development etc.	37,64,000
		TOTAL= 1,15,00,000

2. Approval and Agreements

The authority decided to have the following committee to finalise the agreements prepared and scrutinized during the interactive meeting to be held on 23rd July, 2005.

List of Members of the committee proposed by the authority.

CHAIRPERSON: Mr Vishwanath Andand, Vice Chairperson, Environment Appellate Authority, Govt of India, New Delhi 110 003.

Members:

1. Ms. Sangeetha,
2. Mr.Gopinathan
3. Ms. Sumathy, CPR
4. Mr.R. Saha, DST
5. Mr. Chandramohan
6. Mr. R.K. Gupta, CSIR
7. Dr. Misra, ICAR
8. Dr. Balaraman, ICMR
9. Representative from AYUSH
10. The Director, ZSI or his nominee
11. The Director BSI or his nominee.
12. The Director, NBPGR
13. Dr. R.K. Rai, MoEF

3. Implementation of PBR at village level

The authority in its meeting approved the recommendations for implementation on the **Peoples Biodiversity Register** interactive meeting held on 30.06.2005.

RECOMMENDATIONS:

Establish a Technical Advisory Group (TAC) to oversee development of a Biodiversity Information System (BIS).

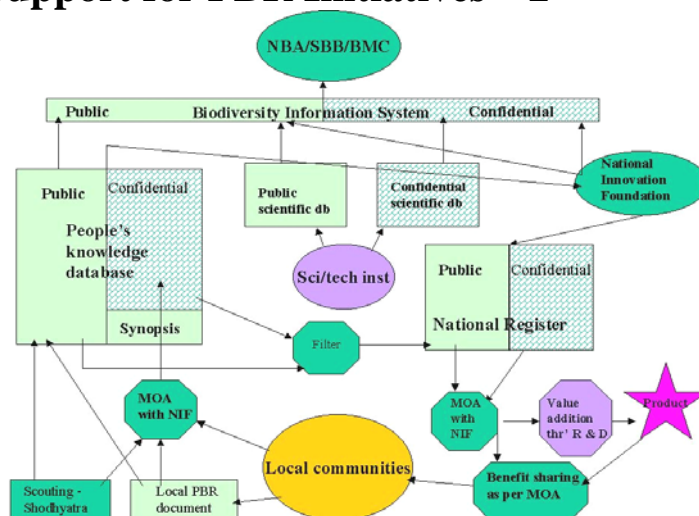
- Undertake a review of all relevant information available within the country as well as globally and prepare a meta-database of all pertinent databases.
- Design a system of linking the relevant Indian as well as global databases.

- Develop guidelines for undertaking a synthesis of all pertinent information.
- Develop guidelines for regulating access to the data and for protection and assertion of intellectual property rights.
- Develop guidelines for collection and management of new data, both scientific and the data flowing from the People's Biodiversity Registers process.
- Develop guidelines for collection and management of data in Indian languages.

Technical Support for PBR Initiatives -1

- Further development of an RDBMS for PBR by building upon PEBINFO
- Finalization of a detailed methodology manual
- Preparation of resource material, including interactive identification keys for an initial set of [a] medicinal and other economic plants, [b] birds and some prominent wildlife species [c] landscape and waterscape element types; in English as well as major Indian languages

Technical Support for PBR Initiatives – 2



TECHNICAL SUPPORT FOR PBR INITIATIVES – 3

- Preparation of:

- A] Country-wide inventory of focal issues
- B] Country-wide inventory of focal species of local interest, local and scientific names, significance
- C] Country-wide system of classification of landscapes and waterscapes
- D] Country-wide system of classification of User Groups

TECHNICAL SUPPORT FOR PBR INITIATIVES - 4

- Preparation of resource material, including interactive identification keys for country wide set of focal species and landscape and waterscape element types
- Building Capacity for Resource Management
- Developing resource material for sustainable harvests, storage, preliminary processing, local value addition and efficient marketing of biodiversity resources
- Disseminate resource material and organize training programmes and field trials

POINTS FOR IMMEDIATE ATTENTION BY NBA

- Preparation of Resource material for capacity building on BMC (Capacity building at Panchayat President and members and NGO's).
- Preparation of detailed methodology and for developing the PBR and also preparation of simple methods to reach village people.
- Awareness campaigns taking the example of Madhya Pradesh Biodiversity Board.
- PBR to be linked with lively hood approaches for income generation to the local people.
- Educational linkage particularly to the School and College students on biodiversity and conservation and formation of Environment and Science Club. Biodiversity conservation at School and College level activities as per the Supreme Court order this will be taken up. (**DR Pramod**, SACON, Coimbatore may submit a model proposal to NBA).
- Formation of Technical Advisory Committee/Task force to address and advice issues related to PBR/BMC consisting of experts and Scientists.
- Documentation of PBR as per the methodology presented by Prof Madhav Gadgil.
- First draft of the methodology prepared and finalized may be included in the web site of NBA and get comments from different people for the preparation of the final methodology. Translations in other languages of India and made available in the web site of

NBA requesting comments on the methodology. Comments on the PBR material supplied should be commented by the participants of this meeting directly sent to the Prof. Madhav Gadgil or NBA. Points of suggestions may be sent for improvement on base document on frame work.

4. Approval Annual Report 2004-2005

The authority in its meeting approved Annual Report for the year 2004 - 2005 with the following modifications.

1. Audited Report should be included in the Annual Report for the year 2004 - 2005.
2. The Member Secretary may right to CAG for nominating Auditor for auditing the Annual Report.
2. The annual report is to be prepared in Hindi.

Action: Member Secretary

5. Inauguration of NBA

The authority in its meeting approved the Inauguration of the National Biodiversity Authority.

Action: Member Secretary

6. Purchase of Vehicle for the office

The authority in its meeting approved the purchase of vehicle for the Chairman and ten seated vehicle for the office.

Action: Member Secretary

7. Establishment of permanent office building

The authority in its meeting approved the establishment of permanent office in principle. However the same may be deferred for some time.

8. Formation of Expert committees

The authority in its meeting approved the formation of

1. Expert Committee on Repositories,
2. Expert Committee on the preparation of guidelines on publication of results of research and the formation of
3. Expert Committee to deal with Agro biodiversity.

The Member Secretary may prepare the roster of Experts to be made as the members of the above Committees.

Action: Member Secretary

Proposed Chairman and Members of the Expert Committees

1. Expert Committee on Repositories:

Chairman: Dr A K Ghosh, Non Official Member, NBA

Members:

1. Director, ZSI, Kolkata
2. Director, BSI, Kolkata
3. Dr Natarajan, Univ. of Madras, Chennai
4. Director, NHM, New Delhi
5. Joint Director, IARI
6. Director, NBPGR, New Delhi
7. Dr SS Kadam, Pune
8. Dr M Subramaniam, Chennai
9. Dr M Swamiappan, Madurai

2. Expert Committee on preparation of guidelines on publication of results of research:

Chairman: Sr S M Paul Khurana, VC, Gangavathi Univ., Jabalpur.

Members:

1. Dr Tawasi, Veterinary University, Chennai
2. Dr V.A. Parthasarathi, Calicut
3. Dr TKS Gowda, Univ. Agri. Sci., Bangalore
4. Dr M. Balasubramanian, DBT, New Delhi
5. Dr Koandal, IARI, New Delhi
6. Dr Brehmami, NBPGR, New Delhi
7. Dr S. Maiti, Gujarat

3. Expert Committee on Agro biodiversity

Chairman: Dr B.S. Dhillon ICAR

Members:

- 1. Dr Jambalai, Director of Research, Dapoli, Maharashtra**
- 2. Dr SS Kadam, Pune**
- 3. Dr J.P. Mishra, ICAR, New Delhi.**
- 4. Dr M Swamiappan**
- 5. Dr Kalpana Sasthry, Principal Scientist, NAARM, Hyderabad**
- 6. Dr S Anandraj,**
- 7. Dr K. Balaram, ICMR, Pondicherry**

9. Project consultants

The project consultant access and Benefit sharing intellectual property right agro biodiversity training and awareness has been approved by the authority based on the following points. The terms of reference and the advertisement for the recruitment should be placed in NBA website. The consultant should be paid with vehicle and secretarial allowances besides a monthly sum of Rs.25, 000/- (Rupees Twenty Thousand Only).

Action: Member Secretary

10. Seminars and workshops

The authority in its meeting approved the conduct of seminars and workshops such as IPR, National Seminar on Agro Biodiversity workshop on ABS proposed by NBA in its agenda.

Action: Member Secretary

11. Establishment of Bio-parks

The authority in its meeting informed that NBA is a regulatory authority cannot be a implementing authority. In this connection NBA may give directions to State Government for implementing the Butterfly garden, Plant Genetic Resource Park, Management of Sacred Groves, Establishment of Botanical parks and aquaria.

12. Advisory Committees and Scientific Panels

The authority in its meeting approved the formation of Task Force on Agro Biodiversity. The other committees suggested in the Agenda was agreed in principle but may be formed at a later stage.

Dr E A Siddique, Former Deputy Director General, ICAR was approved as Chairman of the committee and the following are the list of members are suggested after approval of the Agro Biodiversity Committee's Chairman **Dr E A Siddique**.

Members:

1. Dr. Anishetty Murthy, Former Senior Advisor (PGR), FAO, Rome.
2. Dr. S. P. Tewari, Director, NAARM.
3. Dr. Bhagmal, Regional Representative, IPGRI, South Asia Office.
4. Dr. B.S. Dhillon, Director, PAU, Ludhiana.
5. Dr. S. Edison, Director, CTCRI.
6. Dr. J. L. Karihaloo, Project Director, National Centre for DNA Finger printing.
7. Dr. S.S. Kadam, Farmer Director, Research, MPKVV.
8. Dr. Thaplyal, Pantnagar.
9. Dr. A. Kamal, Former Vice-Chancellor, Kashmir.
10. Dr. S. K. Pandey, Director, CPRI.
11. Dr. V.A. Parthasarathy, Director, IISR.
12. Dr. R.S. Rana, Former Director, NBPGR.
13. Dr. Shikamani, Director, IIHR.
14. Dr K. Balaram, ICMR, Pondicherry.
15. Dr. M. Subramaniam, Former Director of Research TNAU, Member Secretary.

13. Establishment of National Institute of Biodiversity

The authority in its meeting discussed the establishment of Indian Institute of Biodiversity in detail. The members suggested that establishment of the Institute may be taken up by the authority at a later date.

14. Establishment of Institute of Marine Biodiversity

The authority in its meeting discussed the establishment of Institute of Marine Biodiversity in detail. The members suggested that establishment of the Institute may be taken up by the authority at a later date.

15. Regional Biodiversity and Bioresources Centre (RBBC)

The authority in its meeting discussed the establishment of Regional Biodiversity and Bioresources Centre in detail. The members suggested that establishment of the RBBC may be taken up by the authority at a later date.

16. Involvement of Taxonomists in Biodiversity Conservation

The authority in its meeting discussed the involvement of Taxonomists in Biodiversity Conservation at District and Panchayat Level. The members suggested that a meeting with experts may be conducted at Chennai and the recommendation may be placed before the Govt. of India.

17. Medium-Sized Project Proposal for GEF Funding

The authority in its meeting discussed the above project and decided the project such as knowledge based output may be taken up for consideration.

18. Venue of the Next Meeting

The Chairman and Members decided to have the next meeting either at CARI, Portblair or at Indian Institute of Spice Research, Calicut. The tentative date for the next meeting is fixed during October, 2005.

Action: Member Secretary

9. Any other matter with the permission of the Chair

The Chairman of the authority meeting agreed to place the views of Prof. Anil Gupta sent by him on 14th July, 2005 by Fax.

The following are the points placed for discussion:

1. A framework for prioritization of activities of NBA whether for supporting projects, taking initiative for consultations or dissemination.

The members agreed to the above point to be prepared a framework for prioritization of activities of NBA.

3. Possibilities of MOU between NBA and National Innovation Foundation (NIF) so that the national register for green grassroots innovations and traditional knowledge at NIF becomes a depository of traditional knowledge regarding biodiversity and is supported by NBA for the purpose. At the moment, more than 65 per cent of the 51000 practise of innovations and

traditional knowledge from over 300 districts relates to biodiversity based knowledge systems.

The members did not agree for the MOU between NBA and National Innovation Foundation (NIF). However, NBA can workout a modality to include NIF in the Biodiversity Information System (BIS).

4. Given the raising expectations of the tribal and other communities dependent on biodiversity based livelihood, developing a time bound plan for documentation, value addition, dissemination and commercialization with fair and just benefit sharing system is imperative. This is a priority because out of all resources spent by NBA so far, not one penny has gone to the communities whose knowledge and resources we are supposed to care for.

The members discussed the above point and decided to adhere.

5. Commissioning straight reviews of specific orders and families in which the national records of BSI and ZSI are weak and obsolete ensuring an urgent capacity building for taxonomy in the country to overcome the problem of very high attrition and consequent gap in our knowledge and skill base.

The members discussed the above point and informed that NBA may take steps to strengthen the National records of ZSI, BSI.

6. A joint all India coordinated research project between NBA and NIF involving all the Botany and Zoology departments in the country to systematically document the knowledge base and implement the provision of prior informed consent in the process so that knowledge providers don't become anonymous.

The Chairman, NBA has indicated that it is difficult to form a coordinated Project among the colleges because of their workload on teaching, Research and examinations. Instead the Chairman has suggested the utilization of NCC, NSS and Social Service League groups may be utilized in an in an informal way whenever the colleges are keen to involve themselves.

7. Developing an ethical code governing all support and activities of NBA so that the highest principles of accountability towards conservators of biodiversity and associated knowledge systems are maintained.

The Chairman, NBA informed that an Expert Committee chaired by Prof Madhav Gadgil And ten other members has been proposed to maintain the Database on Biodiversity and Associated Knowledge Systems.

8. NBA as co-sponsor of the national campaign of NIF.

The members of the authority decided that NIF campaign may be organized annually with the co-sponsorship of NBA.

-O-O-O-O-O-

APPENDIX 1

CONTENTS OF THE AGNENDA DISCUSSED DURING THE AUTHORITY MEETING ON 15TH JULY 2005

1. Major achievements during the period

1. Orientation programme for officials from Forest, Agricultural, Fisheries and Animal Husbandry from Tamil Nadu and Pondicherry by the establishment of State Biodiversity Boards.
2. Three day awareness programme for Schools of Chennai on the subject Biodiversity of India. In this awareness programme many local schools participated in Art, Speech and Essay writing competition and several prizes were distributed for winners. Posters depicting the importance of Biodiversity of India were also displayed. Altogether more than 3000 students and local public benefited out of this programme
3. Website for National Biodiversity Authority www.nbaindia.org developed and established.
4. Hon'ble Union Minister for Environment and Forests Thiru A. Raja visited the National Biodiversity Authority on 1st July, 2005 to review the activities.
5. Biological Diversity Act 2002 and Biological Diversity Rules 2004 have been got published in a booklet form in English & Hindi and distributed to all relevant agencies. This was released by the Hon'ble Minister of Environment and Forests Thiru **A. Raja** on 1st July 2005. Action being taken to bring out the above publication in Tamil and Malayalam by August 2005.
6. Infrastructure facilities to establish NBA such as purchase of computer, furniture and other necessary items for the office were made.
7. Recruitment rules sent to law ministry for vetting and notification and Draft Advertisement for recruitment of staff prepared and sent to Ministry of Environment Forest for approval.
8. Appointment of **Shri Vishvanath Ananth**, Vice Chairperson, Environment Appellate Authority as Chairperson of NBA from the month of 15th July 2004 – 31st January 2005.
9. Agreements on Access, Material Transfer, IPR and Patent were prepared using the expertise of different lawyers from various departments. A meeting is proposed to be organized to discuss the appropriateness of the same.
10. National Biodiversity Authority is encouraging various States to form State Biodiversity Boards and is also providing initial financial support to them. So far Rs 1.10 crore has been provided by MoEF to the NBA out of which Rs 35 lakhs has gone to such States which have set up State Biodiversity Boards in their jurisdiction. These States are Karnataka, Goa, Kerala, Madhya Pradesh, Arunachal Pradesh, Nagaland, Sikkim, Himachal Pradesh, Punjab and West Bengal.
11. **Shri Namu Narain Meena**, Hon'ble Minister of State for Environment and

Forests, Government of India visited National Biodiversity Authority Office on 26.10.2004 to review the activities.

12. Prof. Dr **S. Kannaiyan** assumed office as Chairman of National Biodiversity Authority from May 2005.
13. An Interactive Workshop on Conservation and Sustainable Utilization of Marine Bioresources on 14th June 2005 conducted jointly with Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai. During the workshop 20 theme papers on different issues of Marine biodiversity and Marine bioresources, Conservation were presented and discussed. The workshop was inaugurated by **Prof. S. Kannaiyan**, Chairman, National Biodiversity Authority.
14. Project review committee meeting was held on 21st June 2005 for approval of the project proposals received by the NBA for creating awareness on the Biodiversity Act 2002 and orientation programme on the formation of SBB. Decision has been taken by National Biodiversity Authority in the above meeting to bring out publications on i) Macro Fauna of Pulicat Lake ii) Conservation and Utilization of Microbial Diversity iii) Biodiversity and Conservation of Mushrooms.
15. An one day interactive workshop on the Implementation of Peoples Biodiversity Registers (PBR) at the Village level was organized by National Biodiversity Authority on 30th June 2005. Twenty scientists from various parts of India participated and discussed in detail. The recommendation was drafted for effective implementation. The recommendations are placed before the Authority for discussion.
16. Terms of reference for the Expert committee proposed during the second Authority meeting prepared.

2. Confirmation of minutes of 2nd Meeting of the Authority.

3. Action Taken Report on the Minutes of the Second Meeting.

4. Proposals Received for consideration by NBA for the creation of awareness, Orientation for the formation of SBB, publication of important research results.

The following are the proposals received:

1. Proposal by MSSRF, Chennai
2. IUCN Proposal 1. Colombo, Sri Lanka
3. IUCN Proposal 2. Colombo, Sri Lanka
4. Punjab Biodiversity Board, Chandigar
5. CPEER Foundation, Chennai

The recommendations of the review committee meeting held on the 21st June is placed for discussion in the 3rd meeting of the Authority.

5. Applications for access/transfer/IPR on biodiversity of India received by NBA for approval by NBA.

NBA has received 23 applications of which only ten applications are completed application with fee paid and rest of the 13 applications are not complete.

Out of the 10 applications eligible for approval

1. Applications received from Foreigners for Research/ Commercial Purposes
 - a) *Emblica officinalis* plants to Srilanka
 - b) Indian Wild ass hair sample from zoo to US
 - c) International Flavors and Fragrance Ltd: 68 species under 35 families of Plants for research and commercial use of fragrance extraction.
 - d) International Flavors and Fragrance Ltd: Vanilla green bean will be processed, cured and exported.
2. Applications for Collaborative research and Transfer of material :
 - a) Viral infected post larvae and juveniles of freshwater prawn to France with C. Abdul Hakim College, Melvishram college, Vellore, Tamil Nadu (DR Sait Sahul Hameed)
 - b) Cricket form Western Ghats to Paris, France with IISC Bangalore (DR Rohini Balakrishnan)
 - c) Research on Honey Bees to US with IISC, Bangalore (Gene E Robinson, USA)
 - d) Research on unprotected amphibians and reptiles by US researcher in coloboration with Indian research Institute with National Centre for Cell Science, Dept of Biotechnology, Govt of India, Pune, Maharashtra.
 - e) Research terrestrial venomous coral snakes by US researcher with National Centre for Cell Science, Dept of Biotechnology, Govt of India, Pune, Maharashtra.
 - f) Limnological research on Ladakh lakes and collection of plankton and organisms to UK with Dr Brig Gopal, Jawaharlal Nehru University, New Delhi.
3. **Patent**
 - a) International Flavors and Fragrance Ltd: Patent for *Decalepis hameltonii* extract.

6. Approval of the roaster of Expert Committee Members.

As per the decision taken during the 2nd meeting of the authority the roaster of members for the five different Expert committees are placed before the authority for discussion and finalization.

7. Discussion on Anomalies, Suggestion and Objections received by NBA

1. Suggestions given by Shri A.J. Kurian Director to Government of India, Department of Science and Technology, Technology Bhavan, New Mehrauli Road, New Delhi 110 016.
2. Ayurvedic Drug Manufacturers Association, Unit No. 227, T.V. Industrial Estate, 248/A, S.K. Ahire Marg, Worli, Mumbai 400 030.
3. Hindustan Lever Limited, Research Centre, Chakala, Andheri (Estate), Mumbai 400 099.

4. Letter written to Hon'ble Union Minister Thiru A Raja By Shri. Ashish Kothari, Kalpavriksh - Environment Action Group
Apt. 5 Shree Datta Krupa, 908 Deccan Gymkhana, Pune 411004, India

8. Administrative Matters of NBA.

Approval of Budget for the year 2005-2006

1. **Approval of access, transfer of results, intellectual Property Right and Material transfer agreements prepared by 1. Mr Wilson, Sr Counsel for Govt. of India, Mr Yeshwanth Shenoy, Lawyer Consultant, and Ms. Sumathi Swami, CPEERF, Chennai.**
2. **Approval of Annual Report for the year 2004-2005**
3. **Inauguration of NBA**
4. **Vehicle for NBA**
5. **Establishment of permanent office**
6. **Formation of Expert committees**
 - i. Expert committee on repositories (Section 39 of BDA)
Expert committee on Publication of Results of Research (Section 4 of BDA 2002).
 - ii. Expert Committee to deal with Agro Biodiversity (Section 13 of BDA 2002)
7. **Project Consultants on ABS, IPR, Agro Biodiversity, Training and Awareness.**
8. **Seminar and Workshops**
 - Workshop on IPR
 - National Seminar on Agro Biodiversity
 - Workshop on ABS
9. **Establishment of Bioparks**
 - Plant Genetic Resources Park
 - Butterfly Garden
 - Management of Sacred Groves
 - Maintenance and Establishment of gardens and Parks
 - Aquaria
10. **Advisory Committee and Scientific Panels**
 - Formation of National and International Advisory committees.
 - Formation of Agrobiodiversity Committee
 - Scientific Panels on Plant and animals genetic resources, marine and freshwater resources, IPR and patents, Biotechnology and biosafety.
11. **Establishment of National Institute of Biodiversity**
12. **Establishment of Institute of Marine Biodiversity.**

10. Any other matter with the permission of the Chair

Chairman, NBA permitted the following points submitted by Prof. Anil Gupta for discussion

14th July, 2005.

Dear Dr.Venkataraman,

Thank you for your letter No.8-3/2005 National Biodiversity Authority/1791 dated 22nd June 2005 enclosing summary of agenda of the NBA meeting.

I would like to discuss the following points in the NBA meeting tomorrow:

1. A framework for prioritization of activities of NBA whether for supporting projects, taking initiative for consultations or dissemination.
2. Possibilities of MOU between NBA and National innovation Foundation (NIF) so that the national register for green grassroots innovations and traditional knowledge at NIF becomes a depository of traditional knowledge regarding biodiversity and is supported by NBA for the purpose. At this moment, more than 65 per cent of the 51000 practices of innovations and traditional knowledge from over 300 districts relate to biodiversity based knowledge systems.
3. Given the raising expectations of the tribal and other communities dependent on biodiversity based livelihood, developing a time bound plan for documentation, value addition, dissemination and commercialization with fair and just benefit sharing system is imperative. This is a priority because out of all resources spent by NBA so far, not one penny has gone to the communities whose knowledge and resources we are supposed to care for.
4. Commissioning straight reviews of specific orders and families in which the national records of BSI and ZSI are weak and obsolete ensuring and urgent capacity building for taxonomy in the country to overcome the problem of very high attrition and consequent gap in our knowledge and skill base.
5. A joint all India coordinated research project between NBA and NIF involving all the Botany and Zoology departments in the country to systematically document the knowledge base and implement the provision of prior informed consent in the process so that knowledge provides don't become anonymous.
6. Developing an ethical code governing all support and activities of NBA so that the highest principles of accountability towards conservators of biodiversity and associated knowledge systems are maintained.
7. NBA as co-sponsor of the national campaign of NIF.

I will be very happy to elaborate on the above points, and all background notes will be provided once we agree in principle. It will also be useful to discuss how can responsiveness of NBA to communications of concerns from the members of the authority and other stakeholders be improved.

As already communicated, I will be reaching Chennai tomorrow by IC 972 at 08.50hrs to leave on the same day evening after the meeting by IC 571 at 20.40hrs. I would appreciate being picked up/dropped back from/to the airport tomorrow accordingly.

With best wishes.

Yours sincerely.

Sd/-

(Anil K Gupta)

Appendix 2 - ATTENDANCE OF MEMBERS PRESENT

OFFICIAL MEMBERS PRESENT

Shri R P S Katwal

Additional Director General of Forests (Wild Life),
Ministry of Environment and Forests
New Delhi

Dr.B.R.Subramaniam

Project Director, Department of Ocean Development
NIOT campus; Pallikaranai
Chennai 601 302

(Nominee of Dr. S. P. Seth, Joint Secretary, DOD, New Delhi)

Dr M A Kumar

Deputy Advisor – Siddha
Ministry of Health and Family Welfare,
201, Indian Red Cross Building; Parliament Street
New Delhi 110 001

(Nominee of Shri Tara Dutt, J.S., Department of Indian Systems of Medicine and Homeopathy, New Delhi)

Shri A.J.Kurian

Director, Department of Science and Technology
Technology Bhavan; New Meharauli Road
New Delhi 110 001

(Nominee of Dr. Hari Gopal, Advisor (JS Rank) Department of Science and Technology)

Dr R K Rai

Addl Director
Ministry of Environment and Forests
Paryavaran Bhavan, New Delhi

(Nominee of Shri D D Verma, JS, MoEF, New Dehi)

Leave of absence granted to Official Members

Shri S. Chatterjee, J.S., Ministry of Tribal Affairs

Smt. Shashi Misra, Addl Secy., Ministry of Agriculture

Shri Sudhir Kumar, J.S., Ministry of Science and Technology

Dr. S. Natesh, Advisor, Department of Biotechnology, CGO Complex, Block No. 2, Lodhi Road, New Delhi 110003, (nominee of Shri U.N. Behara, Joint Secretary, DBT).

NON-OFFICIAL MEMBERS PRESENT

Prof. Raghavendra Gadagkar

Centre for Ecological Sciences
Indian Institute of Science
Bangalore 560 012

Dr. P. Pushpangadan

National Botanical Research Institute
Rana Pratap Marg
Lucknow – 226001

Prof Anil Gupta

Indian Institute of Management
Ahmedabad 380 015

Leave of absence granted to non official members

Prof. L. Kannan,

Director of Research,
Centre for Advanced Study in Marine Biology,
Parangipettai - 608 502

Dr A. K. Ghosh,

Director,
Centre for Environment and Development,
329, Jodhpur Park,
Kolkata -700 068.