

NATIONAL BIODIVERSITY AUTHORITY

MINUTES OF THE EIGHTH MEETING



सत्यमेव जयते

07.03.2007
475, 9th SOUTH CROSS STREET
KAPALEESWAR NAGAR
NEELANKARAI, CHENNAI 600 041
www.nbaindia.org

NATIONAL BIODIVERSITY AUTHORITY MINUTES OF THE EIGHTH MEETING

DATE : 07.03.2007

TIME : 10.00 AM to 5:00 PM

VENUE: NATIONAL BIODIVERSITY AUTHORITY, CHENNAI

The proceedings of the Eighth meeting of the National Biodiversity Authority commenced at 10.30 am on 07.03.2007 at NATIONAL BIODIVERSITY AUTHORITY, CHENNAI. The Chairman, NBA **Prof. S. Kannaiyan** extended a warm welcome to the members of the Authority to the 8th meeting and briefed them the major activities made by NBA during the period between 7th and 8th meeting.

1. MAJOR ACTIVITIES OF NBA- Meetings Conducted by NBA

1. Second Meeting on **Expert Committee on Access, Benefit Sharing & Material Transfer** on **29.08.2006** and **30.08.2006** at Conference Hall, National Biodiversity Authority, Chennai – 600 041.
2. **“Expert Committee Meeting to Evaluate the Access, Patent, Transfer of Research Results and Material Transfer Application”** held on **03.10.2006** at Conference Hall of National Biodiversity Authority, Chennai.
3. First Meeting on **Expert Committee on Normally Traded Commodities** on **04.10.2006** at Conference Hall, National Biodiversity Authority, Chennai.
4. Approval of agreement by the MoEF: **Discussion on 1st September 2006 on the draft agreements for access to Biological Resources including IPR, Third Party transfer and Transfer of Research Results etc. drafted by National Biodiversity Authority**
5. **First Meeting on Expert Committee on Repositories** held on **28.11.2006** at conference Hall, National Biodiversity Authority, Chennai.
6. Workshop on **“Facilitating Formation of State Biodiversity Boards & Biodiversity Management Committees in Northern India”** on **19 - 20th December, 2006** at Hotel Mount View, Sector 10, Chandigarh organized by Punjab Biodiversity Board.

Meetings attended by Chairman, NBA

1. Workshop on **Biogeographic Information System for Indian Ocean, NIO, Kochi** on **25.09-2006** – **Presidential Address by Prof. S. Kannaiyan, Chairman, NBA.**
2. National Workshop on **Biodiversity and Integrated Development of Spices, 12-14th, October, 2006** at **CARI, Port Blair** – **Key Note Address by Prof. S. Kannaiyan, Chairman, NBA.**
3. National Seminar **Wildlife Biodiversity Conservation between October 13 -15, 2006** at **Pondicherry University, Pondicherry** - **Presided by Prof. S. Kannaiyan, Chairman, NBA.**
4. National Symposium on **"Biodiversity and Biotechnology: Research and Development needs in Edible Mushrooms and Crop Disease Management and 28th Annual Meeting"** **November 9 - 11, 2006** at **G.B.Pant University of Agriculture and Technology, Pantnagar** - **Inaugural Address by Prof S.Kannaiyan, Chairman, NBA.**

2. CONFIRMATION OF MINUTES OF SEVENTH MEETING

DATE : 20.7.2006
TIME : 10.00AM to 6:00PM
VENUE: National Bureau of Animal Genetic Resources, Karnal

The minutes of the 7th Authority meeting was circulated to all the members by speed post. The Members of the Authority appreciated the achievements made during the period and the minutes of the 7th Authority meeting was approved by the members unanimously.

3. DISCUSSION ON THE AGENDA FOR THE 8th AUTHORITY MEETING HELD ON 07.03.2007**1. APPROVAL OF APPLICATIONS RECEIVED BY THE AUTHORITY**

During the current period there are 19 applications were received from various applicants by NBA. These applications were put up to the Expert Committee meeting to evaluate the Access, Patent, Transfer of Research Results and Material Transfer Applications held on 3. 10.2006 at NBA Conference hall, Chennai.

Based on the minutes of the evaluation committee, the members of the Authority approved the following applications.

Also the Authority constituted and approved a committee to finalize the Benefit sharing to be derived from different applicants applied so far to NBA, which is to be included in the agreements to be signed by the applicants and the same is deem to have been approved by the Authority.

The committee consists of**Dr J. P. Mishra (Chairman)**

Asst Director General (CSCES &M)
ICAR- 212, Krishi Bhavan, New Delhi 110001

Prof. L. S. Ganesh

Department of Management, Indian Institute of Technology
Madras 600 036

Dr S. Ganeshan

Director, Tropical Botanical Garden Research Institute,
Karimancode, Palode, Trivandram 695 562

Dr S. Edison,

Director
Central Tuber Crops Research Institute, Indian Council of Agricultural Research,
Sreekariyam, Trivandram, Kerala State 695071

Action: Secretary

The following are the decisions of the Authority on the approval of applications:

Appl. No.1. Mr. B. Jayakumar: Preparation of aqueous and non-aqueous extract of Safed musli (*Chlorophytum borivaillianum*) and standardization of the same.

Approved. However before issuing the approval letter details of invention, any personal intervention, taxon as such existed or TK existed/used to be clarified. Also organizational affiliation/registered with DST or any other organization. **Benefit sharing mechanism to be worked out by the Authority for agreement.**

Appl. No.2. Dr. Pawan Pankaj Lalsing: Medical formulation for the treatment of Tuberculosis.

Approved. However, information such as the source for *Tinospora cordifolia* (Gulvel) from where it is collected, personal intervention, endemic variability and organizational affiliation/registered with DST or any other organization is to be obtained from the applicant. **Benefit sharing mechanism to be worked out by the Authority for agreement.**

Appl. No.3. Dr. Janet Seeley: Insect and Bee pollinators of Forest Ecosystems and selected agricultural crops. Honey Bees (*Apis cerana*, *Apis florea*, *Apis dorsata*, *Trigona* sp.)

Approved with the following conditions:

Enquiry is to be made to the applicant by NBA on the following points:

1. The objective of the above proposal is highly complex, diffused and non focused rather vague.
2. It encompasses the genetic species, ecosystem variability.
3. The following information is necessary to accord approval:
 - A) Endemic variability is there or not?
 - B) Any Traditional Knowledge is available with the Bioresource?
 - C) Any species collected and put in the National Repository or not?

And subsequently be approved with condition:

1. All the collected material to be deposited in the National Repository IC No to be obtained and intimated to NBA.
2. All endemic variability to be registered with the National repository
3. No patent should be obtained by the applicant
4. Any Traditional Knowledge is available to be informed to NBA.
5. Endorsement of the collaborator

Appl. No.4. Dr. Peter Casper & Dr. Lothar Kreinitz, Leibniz: Collection of Blue – Green Algae and Cocoid Green Algae (Cyanobacteria and Chlorococcales) in 50 different lakes, ponds and national parks in Rajasthan and Gujarat.

Approved with the following conditions

1. The continuity of persons holding the Bioresource should be spelt out.

2. IC numbers for the collected material to be obtained from the repository
3. All the primary studies should be done in India and further movement of this species to other country should be informed to NBA.
4. Permission from Govt. of Rajasthan and Gujarat is mandatory.

Appl. No.5. Dr. Bruno M. Moerschbacher: Identification and characterization of Chitin/Chitosan modifying enzymes to elucidate their role in endosymbiosis, potential biotechnological use of the enzymes to generate defined Chitin /Chitosan derivatives with known biological activities.

Approved with the following conditions

1. The continuity of persons holding the Bioresource should be spelt out.
2. IC numbers for the collected material both fifteen dicot trees and the fungi to be obtained from the repository
3. All the primary studies should be done in India and further movement of this species to other country should be informed to NBA.
4. Permission from Govt. of Tamilnadu is mandatory for collection from Mudumalai Wildlife Sanctuary.

Appl. No.6. Intellectual Property Management Division, M/s Council of Scientific and Industrial Research: Preparation of an Alkali stable cellulose from a novel *Thermomonospora* sp. Processing a 16SrDNA sequence showing 97% homology to *Thermomonospora mesouiformi*. The organism secretes stable cellulose. Separation of the Solid Bioamss from the extracellular culture filtrate by conventional methods, optionally stabilizing the extra cellular culture filtrate having endoglucanase as well as xylanase activity using conventional preservatives. The culture filtrate may have possible application in textile industry due to the complement of characters it possesses.

Approved with the following conditions

1. Any endemic variety to be informed to NBA
2. After obtaining patent the samples to be deposited in National Repository and inform NBA.
3. **Benefit sharing mechanism to be worked out by the Authority for agreement.**

Appl. No. 7. Intellectual Property Management Division, M/s Council of Scientific and Industrial Research: Development of an early, short duration, dwarf, high eugenol and linalool yielding variety of Indian Basil through open pollination in the germplasm followed by half-sib progeny selection and evaluation for the yield characters of selected population for 3 years in field conditions. This invention relates to the seeds, plants and plant parts of CIM – SAUMYA and its components to a method of producing CIM – SAUMYA, and to a method for producing and early, short duration, high methyl chavicol and linalool using CIM – SAUMYA as a pollinator or parent.

Approved with the following conditions

1. Any endemic variety to be informed to NBA
2. After obtaining patent the samples to be deposited in National Repository and inform NBA.
3. **Benefit sharing mechanism to be worked out by the Authority for agreement.**

Appl. No.8. Intellectual Property Management Division, M/s Council of Scientific and

Industrial Research: Production of ecofriendly feed enzyme phytase under solid-state fermentation by a filamentous fungus using Jackfruit seed powder as the substrate. A cost effective invention for the efficient production of phytase enzyme under solid state fermentation using dried jackfruit seed particles moistened with salt solution and supplemented with a nitrogen source and inoculated with *Aspergillus ficcum*.

Approved with the following conditions

1. Any endemic variety to be informed to NBA
2. After obtaining patent the samples to be deposited in National Repository and inform NBA.
3. Benefit sharing mechanism to be worked out.

Appl. No.9. Intellectual Property Management Division, M/s Council of Scientific and

Industrial Research: Preparation of spray formulation useful for improvement of pungency levels of *Capsicum* at field level is disclosed. The spray when applied to the *Capsicum* plants provides an enhanced pungency levels with respect to the levels of Capsaicinoids. Spray formulation involves extractions of selected microbial cultures.

Approved with the following conditions

1. Any endemic variety to be informed to NBA
2. After obtaining patent the samples to be deposited in National Repository and inform NBA.
3. **Benefit sharing mechanism to be worked out by the Authority for agreement.**

Appl. No.10. Intellectual Property Management Division, M/s Council of Scientific and

Industrial Research: Production of steviosides from *Stevia rebaudiana* Bertoni. Recovering steviosides from dried plant material of *Stevia rebaudiana* using ecofriendly extraction and purification procedures. Water for extraction of the plant material and the ion exchange resins used in the present invention are eco-friendly, non-toxic in nature and are reusable which will ultimately have tremendous impact on process economic yield of product is high and sweetness is superior.

Approved with the following conditions

1. Any endemic variety to be informed to NBA
2. After obtaining patent the samples to be deposited in National Repository and inform NBA.

3. **Benefit sharing mechanism to be worked out by the Authority for agreement.**

Appl. No.11. Intellectual Property Management Division, M/s Council of Scientific and Industrial Research: Cardiac development activity in a subject comprising administering to the subject an appropriate amount of perivitelline fluid obtained from fertilized eggs of Horse shoe crab.

Approved with the following conditions

1. Any endemic variety to be informed to NBA
2. After obtaining patent the samples to be deposited in National Repository and inform NBA.
3. Exact location of collection is necessary for approval
4. **Benefit sharing mechanism to be worked out by the Authority for agreement..**

Appl. No.12. Intellectual Property Management Division, M/s Council of Scientific and Industrial Research: Preparation of Biodiesel from triglyceride oils through transesterification. Preparation of fatty acid methyl ester of oil expelled from whole seeds of *Jatropha curcas*.

Approved with the following conditions

1. Any endemic variety to be informed to NBA
2. After obtaining patent the samples to be deposited in National Repository and inform NBA.
3. The Govt of Rajasthan and Gujarat to be informed about the collection of Bioresource.
4. **Benefit sharing mechanism to be worked out by the Authority for agreement.**

Appl. No.13. Intellectual Property Management Division, M/s Council of Scientific and Industrial Research: Herbal formulation used in the treatment of herbal dosage form used as an immunomodulatory. The herbal formulation comprising of *Tinospora cardifolia*, *Piper longum*, *Albizia lebbeck* and *Curcuma amada*.

Approved with the following conditions

1. After obtaining patent the samples to be deposited in National Repository and inform NBA.
2. The Govt of Rajasthan and Gujarat to be informed about the collection of Bioresource.
3. **Benefit sharing mechanism to be worked out by the Authority for agreement.**

Appl. No.14. Intellectual Property Management Division, M/s Council of Scientific and Industrial Research: Neutralizing textile industrial wastewater by a bacterial strain isolated in India. The isolated bacterial strain is capable to bring down the pH of

wastewater from 12.00 to 7.00 units within two hours. The neutralization of alkaline textile industrial wastewater by biotechnological process is highly effective and economical and can be used in textile industries emanating alkaline wastewater.

Approved with the following conditions

1. After obtaining patent the samples to be deposited in National Repository and inform NBA.
2. The Govt of Rajasthan and Gujarat to be informed about the collection of Bioresource.
3. **Benefit sharing mechanism to be worked out by the Authority for agreement..**

Appl. No.15. Shri Prashant Pradeep Sharma: Collection of *Cyphophthalmi* (Arachnida, Opiliones) in Arunachal Pradesh and Meghalaya by means of sifting leaf litter. All leaf litter will be replaced as found subsequent to collection. Some specimens collected will be used for morphological (Methods: light microscopy and scanning electron microscopy) and molecular (Methods: DNA extraction, amplification and sequencing) studies as part of broader phylogeny research.

Approved with the following conditions

1. Identity of Indian Collaborating Institution necessary
2. Deposit the biorecource in the repository and IC number obtained and to be informed NBA
3. To be followed the conditions of access.

Appl. No.16. Dr. Nutan Kaushik: Bio-prospecting of Metabolites of Endophytic Fungi of Family Poaceae for pesticidal activity. Isolation of endophytic fungi, extraction of metabolite from the fungi, bioassay of crude extract, fractionation of extract, followed by bioassay of the fractions and then characterization of active compound.

Approved with the following conditions

1. Specify the plant species in which fungi etc associated should be informed to NBA.
2. IPR if any should be shared between Indian and German collaborator.
3. **Benefit sharing mechanism to be worked out by the Authority for agreement..**

Appl. No.17. Shri D.K. Chhatwal: Supply of 13 varieties of Finger Millet for multi location variety trials to be conducted in India, Sri Lanka, Bangaldesh, Bhutan and Nepal under South Asia Network on Plant Genetic Resources (SANPGR) Programme. Six countries namely India, Sri Lanka, Maldives, Bangladesh, Bhutan and Nepal are the member of this network. The Secretariat is located at IPGRI South Asia Office, New Delhi. The objectives of SANPGR are to improve conservation and use of plant genetic resources through collaborative efforts of member countries. The present Programme is a joint evaluation of Finger Millet varieties under adaptive

trials and each country would be contributing 3 – 5 varieties. India is contributing Finger Millet varieties namely HR 911, PR 202, VL 149, GPU 28 and GPU 48.

Approved.

Appl. No.18. Shri D.K. Chhatwal: Supply of seeds of released variety of Jute namely KOM – 62 to USA and import of *Corchorus siliquosus* (Jute), *Agave teuilana* (Siisal) and *Linum usitatissimum* (Flax) to India for research by NBPGR.

Approved based on Quit-pro-Quo (public interest) basis subject to IPR and benefit sharing.

Appl. No.19. Dr. William: Clearance for the export of groundnut transgenic seeds to South Africa for testing.

Approved. The product that is transgenic being International public goods subject to the provisions, terms and conditions of EPA laid down by DBT/MoEF as per transgenic events.

Action: Secretary

AGENDA 2: ANNUAL ACCOUNTS APPROVAL AS DESIRED BY THE SCIENTIFIC AUDIT OFFICE, CHENNAI

The members of NBA approved the Annual accounts “**Annual accounts comprising of receipts and payment account, income and expenditure accounts and balance sheet for the year 2005-2006**” placed before the authority on the 8th Meeting held on 07.03.2007.

Action: Secretary

AGENDA 3: MINUTES OF THE DISCUSSION MEETING ON 1ST SEPTEMBER 2006 ON THE DRAFT AGREEMENTS FOR ACCESS TO BIOLOGICAL RESOURCES INCLUDING IPR, THIRD PARTY TRANSFER AND TRANSFER OF RESEARCH RESULTS.

The Authority taken note of the minutes of the meeting which was chaired by Secretary (E&F) and attended by Additional Secretary (Conservation), JS (Cons. II), Secretary (NBA), AD (RKR) and AD (SA). However, it is informed that the same agreements to be wetted by the Ministry of Law and Justice at the earliest.

Action: Secretary

AGENDA 4: APPOINTMENT OF ADMINISTRATIVE OFFICER AND EXTENSION OF DEPUTATION FOR FURTHER ONE YEAR

The authority taken note of the appointment of Mr. R. Narayanan, Assistant Commandant of India Reserve Battalion, Arunachal Pradesh as Administrative officer on deputation as per the decisions taken in the 4th Authority Meeting held on 06.10.2005 in Port Blair and approved the same. Also the authority approved the extension of the Administrative office for a period of further one year from the date ending 5.10.2007. It is also suggested by the authority that the post may be advertised at the earliest in the official web site to give a wide circulation to take suitable candidate on deputation/absorption.

Action: Secretary

AGENDA 5: OUTCOME OF THE EXPERT COMMITTEE ON ACCESS AND BENEFIT SHARING MEETING.

The authority taken note of the minutes of the meeting of the above committee and decided to have the final outcome of the meetings conducted at the earliest.

Action: Secretary

AGENDA 6: TERMS OF REFERENCE FOR THE EXPERT COMMITTEE TO PREPARE GUIDELINES ON ESTABLISHMENT OF HERITAGE SITES.

The authority approved the TOR for the preparation of Guidelines for the establishment of Heritage sites by the committee constituted by the Authority. Based on the recommendations of the Expert Committee the issue can be addressed to the Ministry of Environment for notification of the guidelines.

Action: Secretary

**AGENDA 7: BENEFIT SHARING FOR IPR APPLICATION
(Appendix 4, Page No. 107)**

The authority suggested the formation of a committee to finalize the Benefit sharing mechanism (Committee constituted by the authority as per the agenda item No 1 in this meeting) on case to case basis for the IPR applications received by the Authority. Also the Authority informed that there should be a synergy from other Policy Guidelines of Government of India in proposing the benefit sharing. The authority informed that the decision taken by the above committee deemed to have been approved by the authority and accordingly the same is to be included in the agreements with the applicants.

Action: Secretary

AGENDA 8: APPLICATION FOR ACCESS OF D1 OIL APPROVAL

The authority did not approve the application of D1 Oil Company since a scientist from Indira Gandhi Agricultural University is involved in the Jatropha misappropriation with the D1 Oil Company.

It is also decided to have relevant state government departments such as Agricultural, Fishery, Animal Husbandry and Forest department to be made by notification/regulation for enforcement of Biodiversity Act, 2002 in the respective States at the earliest.

Action: Secretary

**AGENDA 9: NATIONAL BIODIVERSITY DATA INFRASTRUCTURE
(Appendix 5 Page No 110)**

The authority has taken note of the comments of the members as well as the Data base infrastructure proposed by DST and informed that the decision taken by the Expert Committee constituted by the NBA is to be taken in to account for the formation Database by NBA.

Action: Secretary

**AGENDA 10: ESTABLISHMENT OF A TRUST FOR CONTRIBUTORY
PROVIDENT FUND FOR NBA STAFF**

The authority approved the committee/Trust constituted by the Chairman for the Contributory Provident Fund for further necessary action in this regard. Further it is informed that the Committee may meet as and when it is necessary as per the decision taken by the Chairman of the Committee.

Action: Secretary

**AGENDA 11: APPROVAL OF APPOINTMENT OF DIFFERENT
POSTS RECRUITED BY NATIONAL BIODIVERSITY AUTHORITY**

The Authority approved after careful examination of the recommendations of the recruitment committees constituted the appointment of the following persons in the respective posts.

1. ACCOUNTS OFFICER (ON DEPUTATION)

As per the interview held on **9.02.2007** as well as the recommendations of the Interview Committee **Sh. K.K. Hamza**, Finance & Accounts Officer, Indian Agricultural

Statistics research institute (ICAR), New Delhi has been approved as selected to the post of “Accounts Officer” on deputation initially for a period of three years.

2. PRIVATE SECRETARY TO SECRETARY (ON DEPUTATION)

As per the Interview held on **24.01.2007**, as well as the recommendations of the Interview Committee **Ms. S. Nalini**, Stenographer Grade II, Central Institute of Brackish Water Aquaculture, Chennai has been approved as selected to the post of “Private Secretary to Secretary” on deputation initially for the period of three years.

3. TECHNICAL ASSISTANT (ONE POST, ZOOLOGY) (ON DEPUTATION)

As per the Interview held on **05.01.2007**, as well as the recommendations of the Interview Committee **Sh. Anand Kumar Ayyaswamy**, Zoological Assistant, Zoological Survey of India, Kolkatta has been approved as selected to the post of “Technical Assistant” (Zoology) on deputation initially for the period of three years.

4. STENOGRAPHER ‘C’ (ON DEPUTATION)

As per the Interview held on **05.01.2007**, as well as the recommendations of the Interview Committee, **Ms. G.S. Sheeba**. Stenographer ‘D’, National Biodiversity Authority, Chennai (on loan basis) from Ministry of Environment & Forests, New Delhi has been approved as selected to the post of “Stenographer Grade ‘C’ ”on deputation initially for the period of three years.

The authority also after careful examination considered the appointment of Ms. G. S. Sheeba and ratified the relaxation of want of two more years of experience as per provisions of Clause 7 of the notification GSR 156 dated 30.6.2006.

GROUP D (Two Posts) Peon/Daftry (REGULAR)

As per the Interview held on **03.11.2006**, as well as the recommendations of the Interview Committee the authority approved the appointment of the following persons for the post of Peon/daftry on regular basis from the panel of six persons recommended by the interview committee.

1. **Shri A. R. Sridharan ***
44, E.B. Colony, 4th First Cross Street, West Velacherry,
Adambakkam, Chennai – 600 088
2. **Shri Surendra Ram**
No.3/155, Anna Street,
Neelangerai, Chennai – 41

Further, the Authority after careful examination considered the appointment of **Shri A. R. Shridharan**, and ratified the relaxation of age as per provisions of Clause 7 of the notification GSR 156 dated 30.6.2006.

Action: Secretary

AGENDA 12: APPROVAL OF RECRUITMENT OF DIFFERENT POSTS THROUGH RE-ADVERTISEMENT

The authority after careful examination approved the re-advertisement of the following posts for filling up by deputation/absorption/direct recruitment.

1. Two Post of Office Assistant/Computer Assistant

2. Technical Assistant” (One Post, Botany)

3. Private Secretary to Chairman

4. Stenographer ‘D’

5. Two Posts of Technical Officer

5. Advisor (Law)

Action: Secretary

AGENDA 13: ADDITIONAL APPLICATIONS ON ACCESS, PATENT, TRANSFER OF RESEARCH RESULTS AND MATERIAL TRANSFER APPLICATIONS RECEIVED FROM 03-10-2006 TO 15.02.2007

The serial numbers 1-5 has been put up to the Expert Committee Chairman to evaluate the Access, Patent, Transfer of Research Results and Material Transfer Applications on 29.11.2006.

Based on the comments of the evaluation committee, the members of the Authority approved the following applications.

Application 1: Not approved as suggested.

S.No.1	NBA/TECH APPL/9/98/06/06-07	Dr. Monika Messmer, Vitaplant
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The company is requesting for access to 100 g seeds of *Saussurea lappa* for standardizing the influence of harvesting time and drying methods on phyto chemical profiles of the roots. The guidelines developed will be made available to farmers for contract cultivation. The company has given an undertaking to purchase 50% of its total demand of raw material from Indian contract farmers, if encouraging results are obtained and contract with Indian producers is settled.

The exploration/collection may not be permitted. Instead the company may obtain seeds from CSIR, India or its units under MTA with specified conditions in regard to IP,

traditional-knowledge and benefit sharing. Also an undertaking (if not obtained as yet) that Indian germplasm shall not be passed on to a third party or any other country for trials and cultivation and would not put to commercial use without benefit -sharing with India/NBA/CSIR

Application 2: Approved with conditions.

S.No.2	NBA/TECH APPL/9/99/06/06-07	Dr. Vibhu Prakash, Bombay Natural History Society
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The application is for transfer of fruit bat blood/serum samples for investigation for the presence of viruses. The purpose is generation of scientific information on fruit bats as carriers of viruses. Publications will be made in Indian and Foreign Journals with no biotechnological, scientific or other benefits to the third party. The transfer of blood/serum samples may be recommended only when such investigations cannot be carried out in India and with Indian Partners, and that too under MTA.

Application 3: Approved after the additional information received by NBA.

S.No.3	NBA/TECH APPL/9/100/06/06-07	Shri. Prakash Desmukh, Scitech Centre
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Patent application approval

The company Scitech Centre is an Indian company applying for an Indian patent (application no. 849/MUM/2001). The list of biological resources to be used in the said invention of textured soluble containers (capsule shells) is very exhaustive. Most of the important medicinal plants of India are listed including some endangered species. Whether the company intends to use all the listed plants in herbal capsule shell or use them as medicines itself is not clear. More of such additional information may be required, before a view is taken.

Application 4: Approved after the proper procedure is followed.

S.No.4	NBA/TECH APPL/9/85/06/06-07	Application sent through ICAR Dr. Michael Deyholos, Asst. Professor, University of Alberta (Export of Ramie R-67-34 for research purposes)
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The request pertains to export of seed Material of Ramie to Canada. The application has been made by Head, Germplasm Exchange Division, NBPGR., ICAR. It is interestingly noted that Director NBPGR has been suggested by DARE vide letter No., 4-23/2006-IC.II dated 18.9.2006 on the issue that since this is a personal request "You are advised to inform Dr. Deyholos to approach Dr. K. Venkataraman, Member secretary, National Biodiversity Authority, 475, 9th South Cross Street, Neelankarai, Chennai" for obtaining the required information/material on the subject. It is, therefore, felt that the application in this particular case should be made by the person concerned as per the

procedure rather than by the bureau as advised by the DARE. On obtaining the proper application, only small quantities of Ramie variety R-67-34 may be supplied, in exchange of one or two cultivar of *Agave sisaliama* (Sisal) and Flax for fibre. The indentors may, therefore, be requested to submit the request in the requisite Form 1 along with the prescribed fee.

Application 5: Approved as suggested.

S.No.5	NBA/TECH APPL/9/85/06/06-07	Application sent through ICAR Indian Institute of Vegetable Research (Export of vegetable seeds viz., Cauliflower, Cabbage, Drum head and Carrots to Lesotho)
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Small quantities of released varieties may be supplied as per the procedure/MTA.

The applications (**Sl. No.6 to Sl. No.48**) are received after the Expert Committee Meeting to evaluate the Access, Patent, Transfer of Research Results and Material Transfer Applications were held on 03-10-2006. The following applications are being placed before the Authority for approval. The authority informed that the Expert committee established by the authority shall examine the same and the decision taken by that committee may be taken as deemed to have been approved by the authority.

Also the Authority constituted and approved a committee (as per agenda 1 of this meeting) to finalize the Benefit sharing to be derived from different applicants applied so far to NBA, which is to be included in the agreements to be signed by the applicants and the same is deem to have been approved by the Authority.

Action: Secretary

AGENDA 14: ESTABLISHMENT OF A COMMITTEE TO DISCUSS AND IMPLEMENT THE RECOMMENDATIONS OF PEOPLE'S BIODIVERSITY REGISTER

The authority approved the formation of the Committee constituted by the Chairman, NBA for the purpose with a time frame to complete the job at the earliest

Action: Secretary

AGENDA 15: PROCEEDINGS AND RECOMMENDATIONS OF THE WORKSHOP ON 'FACILITATING FORMATION OF STATE BIODIVERSITY BOARDS & BIODIVERSITY MANAGEMENT COMMITTEES IN NORTHERN INDIA'

The authority taken note of the minutes and recommendation of the meeting conducted by the SBB, Punjab and informed the authority to consider the recommendations for implementation. It is also suggested by the Authority to review the activities of the SBB of different states periodically every year and suggested to create awareness programmes at different levels in States and UTs and initiate awareness programmes in Schools and Colleagues.

Action: Secretary

AGENDA 16: EXPERT COMMITTEE TO VISIT THE AUROVILLE FOUNDATION

The Authority approved the committee constituted by the Chairman NBA and look forward to have the final report at the earliest.

Action: Secretary

Agenda 17: ADDITIONAL AGENDA WITH THE PERMISSION OF THE CHAIRMAN

1. Approval of Budget for the year 2007-2008

The authority after careful examination of the Budget proposed by the authority approved the same to be submitted to the Administrative Ministry for sanction for the year 2007-2008.

Action: Secretary

2. Approval of revised Income Expenditure Statement for the year 2006-2007

After careful examination of the “Revised Annual accounts comprising of receipts and payment account, income and expenditure accounts and balance sheet for the year 2005-2006” as indicated by the audit, the authority approved.

Action: Secretary

At the end the Chairman thanked the Members of the Authority for their valuable suggestions.

Appendix 1: ATTENDANCE OF MEMBERS PRESENT

OFFICIAL MEMBERS PRESENT

Shri G. Balachandran

Joint Secretary
Ministry of Environment and Forests
Paryavaran Bhavan, CGO Complex
Lodhi Road, New Delhi 110003

Dr J P Mishra

Asst. Dir. General (CSC & ES&M)
Room No 212,
Indian Council of Agriculture,
Krishi Bhavan
New Delhi – 110001.

Dr B. R. Subramaniam,

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

Dr Rajesh Gopal,

Member Secretary, Tiger conservation Authority
Ministry of Environment and Forests, New Delhi 110 003

LEAVE OF ABSENCE GRANTED TO OFFICIAL MEMBERS

Shri A. K. Upadhyay

Additional Secretary to Government of India,
Ministry of Agriculture,
Deptt. of Agricultural Research and Education,
Krishi Bhavan, Dr. Rajendra Prasad Road,
New Delhi – 110001.

Shri A. J. Kurian,

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Dr. S. K. Sharma,
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NON-OFFICIAL MEMBERS

The authority meeting date was fixed well in advance in anticipation of the notification of the nonofficial members. However, due to the delay in receipt of the communication on the Notification of new set of Non official members from the Ministry of Environment and Forests, only the Local members (first two) were invited to participate at the eleventh hour of the authority meeting.

Dr. S. Subramaniyan, Appointed up to 14.1.2010
54 VGP – Golden Sea View, Part II, 2nd Main Road,
5 Cross Street, Palavakkam, Chennai – 600041.

Prof. K. Kathiresan, Appointed up to 14.1.2010
Centre for Advanced Study in Marine Biology,
Annamalai University, Parangipettai – 608502.

Prof. Raghavendra Gadagkar, Appointed up to 14.1.2010
Centre for Ecological Sciences, Indian Institute of Science,
Bangalore 560 012.

Prof. Anil Gupta, Appointed up to 14.1.2010
Indian Institute of Management,
Ahmedabad 380 015

Dr A. K. Ghosh, Appointed up to 14.1.2010
Director, Centre for Environment and Development,
329, Jodhpur Park, Kolkata -700 068.