

PUNJAB BIODIVERSITY BOARD

Agenda Notes

4th Meeting of Punjab Biodiversity Board

Secretariat:

**Punjab State Council for Science & Technology
MGSIPA Complex, Sector-26, Chandigarh – 160 019**

Tel. No. 0172-2792325, 2795001, 2793600
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Date : 22.08.10 (Sunday)

Time : 5.00 pm

Venue : CM's Residence, Sector-2, Chandigarh

I_N_D_E_X

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AGENDA

The 3rd meeting of Punjab Biodiversity Board was held on 03.02.2010 under the Chairmanship of Hon'ble Chief Minister, Punjab.

Item No. 4.1: Confirmation of Minutes of 3rd Meeting of Punjab Biodiversity Board held on 03/02/2010.

The Minutes of the meeting were circulated to all the members. No comments/suggestions have been received. The minutes are placed at **(Annexure-I, Page 12-15)**. The same may kindly be confirmed.

Item No. 4.2: Follow up action on the Minutes of the 3rd Meeting of Punjab Biodiversity Board held on 03/02/2010.

The follow-up actions on the minutes of the 3rd meeting are placed at **(Annexure-II, Page 17-18)** for information of the members of Punjab Biodiversity Board.

Item No.4.3 Mega Event: Three day meeting of MoEF-Gol, National Biodiversity Authority (NBA) & State Biodiversity Boards (SBBs) in Punjab on "Implementing Biodiversity Act, 2002".

In the meeting of SBBs held at Chennai on 24th April, 2010. Chairman, NBA desired that a mega event be organized in Punjab under "2010 International Year of Biodiversity" to initiate India's preparation for 11th "Conference of Parties" (COP) meet of CBD (Convention on Biological Diversity) which is proposed to be held in India in October 2012. Sh. Jairam Ramesh, Hon'ble Union Minister for Environment, Chairman and Secretary, NBA; Secretary / Additional Secretary and concerned officers of MoEF- Gol, Chairmen and Member Secretaries of all the 24 Biodiversity Boards of the country and expert members of the various Task Forces constituted by the Ministry/ NBA are expected to attend. The meet would comprise the following events:-

- (i) Three days meet on "Implementation of Biological Diversity Act, 2002: past experiences and future challenges", co-chaired by Hon'ble Minister

th to 8th Sept. 2010. The meet will be preceded by a preliminary meeting of Chairmen and Member Secretaries of SBBs .

- (ii) Exhibition on Biological Diversity with focus on agri-biodiversity in Punjab. It is proposed to involve PAU, IMTECH, GAD Veterinary & Animal Science University, NIPER, Central Soil & Water Conservation Research Institute-GOI and Departments of Forests, Agriculture & Animal Husbandry of Govts. of Punjab, Haryana and UT.
- (iii) Ethnic food festival and exhibiting cultural diversity of Punjab.

NBA has already sanctioned Rs.15.5 lacs for the event (details at **Annexure-III Page 19-21**). Punjab Biodiversity Board is organizing the event in association with PSCST. Necessary arrangements have been initiated. In order to extend state hospitality to visiting delegates (senior officers from 24 states) it is proposed that a formal dinner may be arranged by State Govt. (Hospitality Department) on behalf of Hon'ble Chief Minister/ Governor, Punjab at Punjab Bhawan / Governor House lawns. (to be preceded by cultural activities comprising Punjabi Folk dances and songs).

This is for approval of Members of the Punjab Biodiversity Board.

Item No.4.4: Constitution of BMCs and preparation of PBRs

In the Fourth meeting of Member Secretaries of State Biodiversity Boards held at Kolkata on 10th & 11th September 2009 it was decided that BMCs may be formed under the provision of Biological Diversity Act, 2002 without waiting for the rules to be notified by the respective State Governments. Therefore, in accordance with decision taken under item 3.7 of the 3rd meeting of Punjab Biodiversity Board the matter was taken up by SSTE with all Deputy Commissioners to facilitate the constitution of Biodiversity Management Committees (BMCs) and Technical Supporting Groups (TSGs) at district level. As a result both BMCs and TSGs have been notified in Districts **SAS Nagar, Fatehgarh Sahib, Hoshiarpur, Ludhiana, Taran-Tarn, Jalandhar** and **Bhatinda** (Copy of notified BMCs enclosed at **Annexure-IV, Page 22-35**). District **Ferozpur** and **Amritsar** have notified TSGs but BMCs are yet to be established. The process is being followed up in other districts.

Further, the Punjab Biodiversity Board has also released Rs.50,000/- to each to above said districts out of funds provided by NBA (Rs.8,00,000/- for 16 BMCs) for the preparation of People's Biodiversity Registers (PBRs). Punjab Biodiversity Board is identifying experts for capacity building of BMCs in each district for PBR preparation.

This is for the information of Members of Punjab Biodiversity Board.

Item No.4.5: Declaration of 1st Biodiversity Heritage Site in Punjab.

Board members had been informed under item 3.13 of the previous meeting that "Enami Bagh" a mango orchard with elite varieties of tapka mango had been identified as a biodiversity rich site which could be declared as a biodiversity heritage site of Punjab.

Chairman had desired that the matter be put up to the State Govt. for acquiring the area for the purpose. Accordingly the matter was taken up by SSTE with Deputy Commissioner, Hoshiarpur vide D.O.No.PBB-85 dt.09.03.2010 for assessing area and expenditure involved. Two field visits had been taken by SDM, Scientist, PBB and Scientist, PSCST in this regard and demarcation of land to be acquired has been worked out.

A map of the area has been prepared. The total area amounts to 10 acre with 215 mango trees of elite varieties (out of which 20 varieties have already been identified), 467 eucalyptus plants, 1 tree of *Bombax cieba* and 2 trees of *Syzigium cumini*. The estimated value of land including existing plantations has been estimated to be approximate Rs.1.75 crores. Chairman may like to advise departments of Planning and Finance to provide special funds to PBB or to DC, Hoshiarpur so that proceedings to acquire the area be initiated at the earliest by District Administration. It may be noted that Karnataka Biodiversity Board has already notified one Biodiversity Heritage Site and 3 more are in advanced stage of notification. Madhya Pradesh and Andhra Pradesh are also in process of notification of 15 and 5 heritage sites respectively. Other states which are in advanced stage of notification of heritage sites are Himachal Pradesh, Uttarakhand, West Bengal and Manipur.

It is further brought to the notice of Members of the Board that the case of mango site was also highlighted in a leading daily (Indian Express) on 2.6.2010. (Copy of news item enclosed at **Annexure-V page36-37**).

This is for the information of PBB Members.

Item No.4.6 Celebration of International Year of Biodiversity and International Biodiversity Day

The Year 2010 is being celebrated as International Year of Biodiversity. Further, May 22nd is celebrated as International Biodiversity Day every year. The current year theme is '**Biodiversity, Development and Poverty Alleviation**'.

The Board organized the following activities at the occasion:-

- i) PBB in collaboration with Baba Farid University of Health Sciences organized a state level workshop on 'Conservation of Biodiversity and its Sustainable Utilization' on 22nd May, 2010 at Faridkot. Vice Chancellor, BFUHS was the Chief Guest.
- ii) PBB in collaboration with Pushpa Gujral Science City organized a seminar on Biodiversity Conservation on 22nd May 2010
- iii) District level programmes were also organized at Ropar, Hoshiarpur, .Bathinda, Fatehgarh Sahib and Mansa.
- iv) PBB facilitated and motivated Eco-Clubs under National Green Corps Programme, District Science Supervisor, NGOs and colleges to celebrate International Biodiversity Day and Year-2010 by organizing various programmes i.e. quiz competition, poster, rallies etc.

The Board has sanctioned Rs.83,000/- for these activities out of which Rs.50,000/- would be provided by NBA. A report will be presented in the meeting.

Further, the current year theme for World Environment Day was "**Biodiversity, Management and the Green Economy**".

The Board has taken up the following activities in this regard:-

- District level programmes with BMCs and District Administration
- School level programmes in collaboration with eco-clubs in schools
- NGOs have been requested to take up activities to celebrate the day appropriately

Further Information is being compiled and report is under preparation.

This is for the information of Members of Punjab Biodiversity Board.

Item No.4.7: Identification of Threatened species in the State.

U/s 38 of the Biological Diversity Act, 2002, the Central Government, in consultation with the State Government, is required to notify any species which is on the verge of extinction or is likely to become extinct in near future, as 'threatened species' and prohibit/ regulate its collection for any purpose and take appropriate steps to rehabilitate and preserve these species. In order to comply with this provision the Board has identified threatened flora and fauna in consultation with Botanical Survey of India (BSI), Zoological Survey of India (ZSI) and Chief Wildlife Warden, Punjab. The list of threatened species has been prepared (enclosed at **Annexure-VI, Page 38-39**) and is being forwarded to MoEF through State Government for notification.

This is for information and approval of Members of the Punjab Biodiversity Board.

Item No. 4.8: Restructuring of Staff - PBB

As already informed in the 3rd meeting of Punjab Biodiversity Board, the Punjab Biodiversity Board is functioning with meagre staff comprising of Member Secretary (additional charge), Scientist (1), Steno-Typist-cum-computer operator (1) and driver (1). Administration and Accounts support and additional technical support is provided by PSCST which is presently servicing the PBB. However, since the Board is a statutory body and its activities are increasing day by day, core staff is essential to implement various provisions of BDA, 2002. As desired by Hon'ble Chief Minister in the previous meeting, a case was submitted to AD in 2009-10 for increasing staff strength but was rejected by FD. The same was re-submitted vide note dated 22.4.2010 with a request to sanction the following additional staff immediately during the current financial year:-

- | | | |
|----|--|----|
| 1. | Senior Scientific Officers
(In the scale of Rs.15600-39100/-+ GP Rs.6600/-) | -2 |
| 2. | Administrative-cum-Accounts Officer
(In the scale of Rs.10300-34800/-+GP Rs.4200/-) | -1 |
| 3. | Clerk
(In the scale of Rs.5910-20200/-+GP Rs.2000/-) | -1 |

However, in order to build the board on a long term basis another proposal for phased restructuring has been submitted to the Govt. (placed at **Annexure-VII Page 40-42**).

The total staff strength envisaged over next five years is 17 technical staff, 15 administrative staff and 6 junior staff (like, Drivers, Peons, Field Attendants) and year wise budget requirement is as below:-

Year	No. of Posts				Funds required (in lacs)		
	No of Technical Staff	No. of Administrative Staff	No. of Junior support staff	Total	Salaries	Infrastructure	Total
Existing Staff	2	1	1	4	5.00	4.7	9.7
2010-11	+5	+4	+2	15	43	40	83
2011-12	+3	+1	+1	20	66	59	125
2012-13	+4	+5	+1	30	109	95	204
2013-14	+1	+2	+1	34	132	114	246
2014-15	+2	+2	-	38	167	144	311

Meanwhile it is proposed the one official of PSCST handling accounts of PBB may be given additional charge of AMFA-cum-ADO of PBB. Further, officers/officials holding additional charge may be granted appropriate honorarium.

In the previous meeting of PBB, Financial Commissioner, Forests & Wildlife also proposed to place the services of an officer of the Forest Department to PBB on deputation basis. The Board would welcome the same, provided the salary of the said officer is continued to be borne by his parent department. It is also proposed that services of one agriculture expert be also placed on deputation with the Board.

Further, the State Government be requested to allocate additional funds to PBB under non plan budget for additional staff, infrastructure and projects. Presently, no funds have been allocated in the plan budget for financial year 2010-2011 also. This issue was discussed in the meeting of the Planning Commissioner held on 1st, 5th& 6th April, 2010 where a serious view was taken and the Advisor (Environment), Planning Commission suggested additional provision of Rs.2.91 Cr. in the state Plan. The same is yet to be incorporated in the State Plan. Chairman may like to take up the issue with the Planning Board.

It is further pointed out that in the notification dated 16.11.2009 (copy enclosed at **Annexure VIII Pages 43-44**) 'Member Convener' has been notified in place of 'Member Secretary'. Since there is no such provision in the Act or draft rules, the new designation was objected to in the All India State Biodiversity Boards Meet at Chennai and the Board was advised to restore the original designation.

For consideration please.

Item No.4.9 Delegation of Powers

Hon'ble Chief Minister is Chairman of Punjab Biodiversity Board. Since he is extremely busy in other affairs of the State, he may consider delegating certain powers to SSTE to facilitate routine activities and projects to be undertaken by Punjab Biodiversity Board. However, due approvals will continue to be obtained on all policy /major financial matters as deemed appropriate.

For consideration please.

Item No.4.10: Project on Inventorising Industries involved in Exploitation of Biodiversity in Punjab

As informed in the PBB 3rd meeting, National Biodiversity Authority has sanctioned a project on "Inventorising Industries involved in Exploitation of Biodiversity in Punjab" especially with respect to resources used as medicinal plants or those which provide direct livelihood to local population but are generally not commercially traded. Under this project information on quantities of raw materials used and products prepared has been collected.

The collected data reveals that:

- Out of 257 Ayurvedic registered Pharmacies in Punjab only 80% are functional.
- These industries produce more than 1000 herbal products by using - 564 herbs out of which 290 herbs occur in the state and 274 herbs are from other states
- As per conservative estimates 760 tons of herbal raw material is used per annum by these pharmacies.

- Estimated annual turnover is Rs.35 Cr (based on information provided by 140 biodiversity based pharmacies). However, this does not include data for all units in the State.
- 26316 units with total sale value of Rs.326 Cr are covered under **KVIC &KVIB**
- Furthermore, 752 non-registered units based on forest products generate total income of apporx. 44 lacs/yr.

Searchable database regarding the information on biological resources used by industries in the State has been prepared is under preparation.

This is for information of Members of PBB.

Item No.4.11: Compliance of Biological Diversity Act while accessing bioresources.

As per Section 7 and Section 23(b) of the Biological Diversity Act, 2002 all the enterprises accessing biological resources for commercial purpose (except those notified as normally traded products by GOI) are required to provide prior information to the Board. However, no such information is being received presently. It is proposed that a public notice be issued in all leading dailies to inform such enterprises. Further AD may also be requested to take up the matter with Deputy Commissioners at the govt. level to take action for informing the local industry /commercial houses in this respect through the district level BMCs.

For approval please.

Item No.4.12: Nomination of Member Secretary, Punjab Biodiversity Board in Task force (Expert Committee) for preparation of guidelines on creating structures, running administration and maintaining of accounts and other related matters pertaining to Biodiversity Management Committees.

Member Secretary, Punjab biodiversity Board has been nominated as Member of Task Force (Expert Committee) for 'Preparation of guidelines on creating structures, running administration and maintaining of accounts and other related matters pertaining to Biodiversity Management committees, constituted by NBA in view of her expertise and previous work in the area of Biodiversity Survey, Conservation and capacity building.

This is for information please.

Item No.4.13: Participation of Member Secretary, Punjab Biodiversity Board in meetings of NBA and other State Biodiversity Boards.

Member Secretary, Punjab Biodiversity Board participated in the following meetings of NBA and MoEF, GOI

1. Discussion and experience sharing on SBB activities at Sikkim Biodiversity board on 7th April, 2010.
2. Expert talks on Implementation of biological diversity Act at Arunachal Pradesh Biodiversity Board and Arunachal Pradesh Forest Research Institute on 9th & 10th April, 2010.
3. National Consultation on International Regime on Access Benefitting Sharing (ABS); Evolving sui generis system for protection of Traditional Knowledge related to Biodiversity; Amendments to Biological Diversity Act, 2002 and Rules 2004 at M.S. Swaminathan Research Foundation, Chennai on 23rd April, 2010.
4. Review Meeting of All State Biodiversity Boards held at office of the NBA, Chennai on 24th April 2010.
5. Brain Storming Session of MoEF, NBA and SBBs on 16-17 June, 2010 at New Delhi.
6. Task force meeting on BMCs at Chennai on 27th -28th June, 2010.

For information and post facts approval, please

PUNJAB BIODIVERSITY BOARD

SUB: Minutes of the 3rd Meeting of Punjab Biodiversity Board held under the Chairmanship of Hon'ble Chief Minister, Punjab on 03.02.2010 at 10.00AM in the CM's Office, 2nd Floor, Punjab Civil Secretariat, Chandigarh

PRESENT:

1. Mr. G.S. Sandhu, IAS
Financial Commissioner,
Department of Animal Husbandry,
Govt. of Punjab
2. Mr. R.C. Nayyar, IAS
Financial Commissioner,
Department of Forests & Wildlife,
Govt. of Punjab
3. Mr. Viswajeet Khanna, IAS
Secretary, Science, Technology & Environment,
Govt. of Punjab
4. Mr. Ashok Kumar Gupta, IAS
Secretary, Agriculture,
Govt. of Punjab
5. Dr. G.S. Kalkat
Chairman, Punjab State Farmers Commission,
Ex. Vice Chancellor, PAU, Ludhiana
6. Mr. Surjeet Pal Singh
OSD to CM
Punjab Civil Secretariat,
Chandigarh
7. Dr. D.K. Singh
Addl. Director, Botanical Survey of India,
Kolkata
8. Dr. P. S. Minhas,
Director of Research,
PAU, Ludhiana
9. Prof. Maninder Singh Hundal
Dean College Development Council,
GNDU, Amritsar

10. Dr. Anjana Pant
Senior Coordinator,
WWF- India
New Delhi
11. Dr. (Mrs.) Neelima Jerath
Member Secretary, Punjab Biodiversity Board &
Executive Director, PSCST,
Chandigarh
12. Mr. Avdesh Kaushik
Manager (Finance & Accounts)
PSCST, Chandigarh
13. Dr. Dhiraj Kumar Sehgal
Scientist, Punjab Biodiversity Board
Chandigarh

The 3rd Meeting of the Punjab Biodiversity Board (PBB) was held under the Chairmanship of Hon'ble Chief Minister of Punjab on February 3, 2010.

Welcoming the Chairman and Members Dr. Neelima Jerath, Member Secretary, PBB informed that the Board had been set up in December, 2004 as a statutory body u/s 22 of the Biological Diversity Act, 2002, with the objective to promote conservation and sustainable use of biological diversity and ensure equitable benefit sharing with local communities. She discussed the provisions under Convention of Biological Diversity (CBD) and the Biological Diversity Act and informed that Majith Mandi in Amritsar was the hub of raw material trade in North West India. Issues pertaining to Bt. Crops were also discussed.

The following agenda items were discussed and decisions taken:-

3.1 Confirmation of Minutes of 2nd Meeting of Punjab Biodiversity Board held on 10/03/2008.

Confirmed

3.2 Follow up action on the Minutes of the 2nd Meeting of Punjab Biodiversity Board held on 10/03/2008.

Noted

3.3: State Biodiversity Fund: Opening & Operation of Bank Account.

Approved.

3.4: Recruitment of staff for PBB- Outsourcing

MS pointed out that the present staff strength of PBB was meagre as compared to Biodiversity Boards in many other states and regular staff was required to make the Board functional. Chairman enquired about the requirement of funds for infrastructure and manpower development. MS informed that a proposal had been made which would be submitted to the state Govt. for consideration of funding.

Chairman desired that the Board should take up studies on Peacocks and other important species. Secretary, STE pointed out that inventorization of Biodiversity in the state was also required to be carried out for which the Board would require additional Scientific Staff. FC, Department of Forests & Wildlife offered to place one officer on deputation to PBB, if required. HRA to Scientist, PBB as per Punjab Govt. Rules was also approved.

3.5: Punjab State Biological Diversity Rules

Noted

3.6: Service Bye-Laws of Punjab Biodiversity Board & delegation of powers

Approved

3.7: Constitution of BMCs and preparation of PBRs.

Approved

3.8: Filing of IPRs related to Biological Resources

Noted

3.9: Collection fee for access to bio-resources for commercial Purpose/ research

Approved

3.10: Celebration of International Biodiversity Day, 2008 & 2009

Noted

3.11: Project on Survey of Commercially Important Flora and Fauna in Punjab, GoP

Noted

3.12: Project on Inventorising Industries involved in Exploitation of Biodiversity in Punjab

Noted

3.13: Study of varieties of sucking mango in district Hoshiarpur

MS, PBB informed that PBB had conducted a survey to identify native varieties of sucking mango in District Hoshiarpur and recorded 37 new varieties, many of which were represented by only one or two trees at Inami Bagh near Gangian. A proposal had been prepared for their conservation at Fruit Research Station, Gangian. She also brought out that the orchard needed to be declared as a Biodiversity Heritage Site. The issue had been discussed with NBA and MoEF-GOI at the All-India meeting of SBBs also and it was advised that the area be acquired & preserved as a Heritage Site. A proposal for the same had been prepared for funding. Chairman desired that the matter be put up to the State Govt. for acquiring of area for the purpose.

3.14: New Project Proposals

Noted

3.15: Establishment of Expert Committees to identify areas for conservation of biological resources.

Approved

3.16: Annual Report & Statement of Accounts for 2008-09

Approved

The meeting ended with a vote of thanks to the chair.

Annexure –II

Follow up action on the Minutes of the 3rd meeting of Punjab Biodiversity Board held on 3.2.2010

Item No.	Name of the Item	Decision taken	Action taken
3.3	State Biodiversity Fund: Opening & Operation of Bank Account	As per directions of NBA and MoEF, GOI, the Board had approved opening of the following accounts- - State Biodiversity Fund Account -State Biodiversity Board Account	- State Biodiversity Board account is already operational
3.4	Recruitment of Staff for PBB-Outsourcing	- Proposal to be submitted to State Government for consideration of funding. FC, Forest & Wildlife offered to place one officer on deputation to PBB. - Chairman desired that Board should take up studies on peacocks and other important species.	- Proposal submitted to AD in 2009-10 for increasing staff strength but was rejected by FD. The same has been resubmitted - For staff on deputation the Board had proposed that services of one officer who is expert on forestry issues and one expert on agricultural issues be placed on deputation subject to provision of funds by State Government or the parent department may continue to bear their salary. The physical infrastructure of the Board is also required to be increased - The Board is in touch with experts for preparation of proposal for studies on peacocks.
3.5	Punjab State Biological Diversity Rules	Noted (Pending notification)	The LR has advised certain modifications. The revised draft has been re-submitted. This issue has been long delayed. Punjab was the third state to have initiated action for notification of state Rules.

			Now 10 states have notified their rules but PBB rules are still pending, matters needs to be pursued with LR at the urgent level.
3.6	Service by laws and delegation of Powers	Delegation of powers approved.	Draft of Service Bye Laws is under preparation. These will be put up to the Chairman for approval by the Board shortly.
3.7	Constitution of BMCs and preparation of Peoples Biodiversity Register (PBR)		Separate item no.4.4
3.8	Filling of IPRs related to Biological Resources	Board to write to academic institutions and R&D bodies and issue press release.	Action Taken
3.9	Collection fee for access of bio-resources for commercial purpose / research	Board to inform general public and research bodies regarding collection fees	Action pending, as rules are yet to be notified
3.10	Celebration of International Biodiversity Day 2008 & 2009	Noted	No action required
3.11	Project on Survey of Commercially Important Flora & Fauna in Punjab, GoP	Noted	No action required
3.12	Project on Inventorising Industries involved in Exploitation of Biodiversity in Punjab	Noted	No action required
3.13	Study of varieties of sucking mango in district Hoshiarpur		Separate item No. 4.5
3.14	New Project Proposals	Noted	No action required
3.15	Establishment of Expert Committees to identify areas for conservation of biological resources	Five Expert Committees approved	Being notified
3.16	Annual Report & Statement of Accounts for 2008-09	Copy of Annual Report to be placed before State Legislature	State Govt. has desired that the same be translated into Punjabi & 120 copies be submitted. Punjabi translation is in process

**NATIONAL MEET ON IMPLEMENTATION OF BIOLOGICAL
DIVERSITY ACT, 2002
(6th to 8th September, 2010)**

Summary Budget

Programme Detail	Amount (in Rs.)
• National Meet	12,90,000/- (Annexure-I)
• Exhibition on Agro-Biodiversity of Punjab	1,90,000/- (Annexure- II)
• Miscellaneous and unforeseen expenditure	70,000/-
Grand Total	15,50,000/-

**NATIONAL MEET ON IMPLEMENTATION OF BIOLOGICAL
DIVERSITY ACT, 2002
(6th to 8th September, 2010)**

Budget Proposal

Budget Head	Revised estimated expenditure (Amount in Rs.)
• Boarding & lodging (3 Nights) including Breakfast & Dinner	7,00,000/-
• Food (Workshop Lunch & Teas x 4 days, CII) +additional meal for participants reaching/leaving early/late	2,50,000/-
• Hiring of Multimedia Projectors, Screen & Sound System	70,000/-
• Backdrop, Banners and Hall Preparation	50,000/-
• Local Travel	90,000/-
• Stationary, Bags and Mementos	50,000/-
• Printing of Literature, photocopying	40,000/-
• Postage, Fax etc.	20,000/-
• Photography and miscellaneous	20,000/-
Total	12,90,000/-

* Travel to be borne by participants themselves

**NATIONAL MEET ON IMPLEMENTATION OF BIOLOGICAL
DIVERSITY ACT, 2002
(6th to 8th September 2010)**

Budget for One Day Exhibition on Agro-Biodiversity of Punjab

Budget Head	Amount (in Rs.)
• Installation of Exhibition Cabins (15) (3mx3m)	60,000/-
• Food (Exhibition Participants approx. 50 persons) (Dinner, Lunch, Tea & Snacks)	50,000/-
• Stay (Exhibition Participants)	20,000/-
• Transportation of Exhibition material and traveling support to outstation participants	10,000/-
• Development of Exhibition material by Punjab Biodiversity Board (Optional)	50,000/-
Total	1,90,000/-

Threatened Flora & Fauna in the State

S. N.	Botanical Name		IUCN Category (as on 3 rd April 2009)
	ANGIOSPERMS		
(i)	<i>Anogeissus serica</i>		Rare
(ii)	<i>Tecomella undulate</i>		Endangered
(iii)	Convolvus microphyllus		Rare
(iv)	Argyrolobium album		Rare
	ORCHIDS		
(v)	<i>Eulophia graminea</i>		Rare
(vi)	<i>Habenaria marginata</i>		Rare
(vii)	<i>Pachystoma pubescens</i>		Rare
(viii)	<i>Tainia latifolia</i>		Rare
(ix)	<i>Zeuxine strateumatica</i>		Rare
(x)	<i>Dendrobium moshatum</i>		Rare
	PTERIDOPHYTES		
	<i>Ophioglossum gramineum</i>		Rare
	<i>Ophioglossum petiolatum</i>		Rare
	<i>Ophioglossum polyphyllum</i>		Rare
	Source:- Botanical Survey of India (BSI)		
	THREATENED FAUNA		
Sr.No.	Common Name	Zoological Name	IUCN Category (as on 3 rd April 2009)
	MAMMALIA		
(i)	Indus River Dolphin*	<i>Platanista gangetica ssp minor</i>	Endangered
(ii)	Smooth Indian Otter	<i>Lutra perspicillata</i> I.Geoffroy,1826.	Vulnerable
(iii)	Black Buck*	<i>Antelope cervicapra</i> L.,1758.	Near Endangered
(iv)	Fishing Cat	<i>Prionailurus viverrinus</i> Benett.1833.	Endangered

(v)	Pangolin	<i>Manis crassicaudata</i> Gray,1827.	Near Threatened
BIRDS			
(i)	White Rumped* Vulture	<i>Gyps bengalensis</i> Gmelin,1788.	Critically endangered
(ii)	Egyptian Vulture*	<i>Neophron percnopterus</i> L.,1758.	Endangered
(iii)	Ferruginous Duck*	<i>Aythya nyroca</i> Guldenstat,1770.	Near Threatened
(iv)	Palla's Fishing Eagle	<i>Haliaeetus leucoryphus</i>	Vulnerable
(v)	Greater Spotted Eagle	<i>Aquila clanga</i> Pallas,1811.	Vulnerable
(vi)	Imperial Eagle	<i>Aquila heliacea</i> Savigny,1809.	Vulnerable
(vii)	Black bellied Tern*	<i>Sterna acuticauda</i> Gray,1832.	Near Threatened
(viii)	Indian Skimmer	<i>Rynchops albigollis</i> swainson,1838.	Vulnerable
(ix)	Pale backed pigeon	<i>Columba eversmanii</i> Bonaparte, 1856.	Vulnerable
(x)	Rufous vented prinia*	<i>Prinia burnesii</i> Blyth,1844.	Near Threatened
(xi)	Syke's Nightjar	<i>Caprimulgus mahrattensis</i> Sykes,1832.	Least concerned
(xii)	Kalij Pheasant*	<i>Lophura leucomelana</i> Latham,1790.	Endangered
(xiii)	Pink headed duck	<i>Rhodonessa caryophllacea</i>	Critically Endangered
AMPHIBIANS			
	-	<i>Bufo beddomie</i> *	Endangered
		<i>Nectophryne tuberculosa</i> * Boulenger,1882.	Endangered
REPTILES			
	Headed Softshell Turtle	<i>Chitra indica</i> *	Endangered
	Python	<i>Python molurus</i> L.	Near Threatened
<p>Source: Chief Wildlife Warden, Punjab *Kumar, Arun and Vinod Khanna 2006. Globally Threatened Indian Fauna-Statues, Issues and Prospects.:1-104 (Published by the Director, Zoological Survey of India, Kolkata).</p>			

Staff required for Punjab Biodiversity Board

Name of the post	Scale	No. of posts	Year-wise manpower required					Remarks/Justification
			1 st	2 nd	3 rd	4 th	5 th	
Chairman	37400-67000 + GP 12000	1			√			As per section 22 of the Act, full time technical expert required to be appointed as Chairman.
Member Secretary	37400-67000 + GP 10000	1	Existing post					Presently Executive Director, Punjab State Council for Science & Technology is holding additional charge.
Director	37400-67000 + GP 10000	1				√		The incumbent shall be hired as work increases.
Additional Director	37400-67000 + GP 8900	1					√	-do-
Joint Director	37400-67000 + GP 8700	1					√	-do-
Principal Scientific Officer	15600-39100 + GP 7600	2	√ √					One expert each in the areas of Forestry and Agriculture since the Act is applicable both, in wild and cultivated areas. The Board is required to identify and conserve rare, threatened and endemic species and wild relatives of crop plants and protect them through <i>in-situ</i> and <i>ex-situ</i> conservation. It is also required to assess biodiversity based livelihood and industries.
Sr. Scientific Officer	15600-39100 + GP 6600	3	Existing post	√ √				One expert each in the area of Botany, Zoology and Micro-biology. Presently, a Scientist (Botany) is working against the post on outsource basis. The experts will be

Name of the post	Scale	No. of posts	Year-wise manpower required					Remarks/Justification
			1 st	2 nd	3 rd	4 th	5 th	
								required to inventorise biodiversity and associated traditional knowledge. A primary task of these officers will be to facilitate preparation of Peoples Biodiversity Registers in the field, take measures for protection and take up studies on biodiversity heritage sites.
Administrative Officer	15600-39100 + GP 6600	1			√			As the Board activity increases, the post of ADO shall be filled up.
Manager Accounts	15600-39100 + GP 6600	1	√					The post is imminent for day-to-day operations of Board. Initially Manager (Accounts & Administration) be recruited.
Legal Officer	15600-39100 + GP 6600	1			√			To be recruited as per requirement as several legal issues especially with respect to benefit sharing or exploitation of endangered species are expected to arise.
Biodiversity Communicator	15600-39100 + GP 6600	1	√					As the Board is required to take up capacity building work of BMCs, hence, this will be a key post.
Research Officers/ Scientists	15600-39100 + GP 5400	4	√	√	√ √			To be selected from Scientists in the field of Forestry/Agriculture/ Animal Husbandry/ Fisheries/ Horticulture/Botany/Zoology/Micro-biology /Ecology. The Scientists will facilitate preparation of PBRs in the state. As per the Act, about 12,500 PBRs are to be prepared. They will also monitor collection fee at local level.

Name of the post	Scale	No. of posts	Year-wise manpower required					Remarks/Justification
			1 st	2 nd	3 rd	4 th	5 th	
Assistant Manager (Accounts)	10300-34800 + GP 4600	1					√	The post of Assistant Manager shall be filled as the Board activities increase.
Private Secretary	10300-34800 + GP 4600	1			√			To assist Chairman.
Personal Assistant	10300-34800 + GP 4200	1	√					To assist Member Secretary
Senior Assistant (Administration)	10300-34800 + GP 3800	1	√					The post is imminent for day-to-day operations of Board.
Junior Assistant (Administration)	5910-20200 + GP 2800	1			√			The post of Junior Assistant shall be filled up as the Board activities increase.
Computer Operator-cum-Steno Typist	5910-20200 + GP 2000	5	1 Existing post	√	√	√	√	The post is imminent to assist the technical staff for day-to-day operations of Board.
Drivers	5910-20200 + GP 2000	2	Existing post		√			To be attached with Chairman and Member Secretary.
Accounts Assistant	5910-20200 + GP 1950	1			√			The post of Accounts Assistant shall be filled up as the Board activities increase.
Cashier	5910-20200 + GP 1950	1	√					The post is imminent for day-to-day operations of Board and to maintain State Biodiversity Funds.
Clerk	5910-20200 + GP 1900	1				√		The post is imminent for day-to-day operations of Board.
Peons	4900-10680 + GP 1300	2	√ √					The post is imminent for day-to-day operations of Board.
Field Attendants	4900-10680 + GP 1300	2		√		√		Most of the activities of the Board are field based in/ around villages and forest area. Hence Field Attendants are a must.

