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Himachal Pradesh State Biodiversity Board (HPSBB)
O/o H.P Council for Science Technology and Environment (HIMCOSTE)
Vigyan Bhawan, Bemloc, Shimla, H.P-171001
(Phone 0177-265689, Fax 0177-2814923)



Proceedings of the 3rd H.P State Biodiversity Board (HPSBB) meeting held on 21.11.2018 under the Chairmanship of Chairman HPSBB-cum-Chief Secretary Govt. of H.P in the Ellerselie Building, Committee room, H.P. Secretariat, Shimla.

3rd meeting of the H.P. State Biodiversity Board was organised on 21.11.2018 under the Chairmanship of Sh. B.K. Aggarwal, IAS, Chairman HPSBB -cum- Chief Secretary Govt. of H.P in the Ellerselie building, Committee room, H.P Secretariat, Shimla. Chief Secretary had authorised Sh. R.D. Dhiman IAS, Additional Chief Secretary Env. Sci & Tech. cum Chairman HIMCOSTE, Shimla to Chair the meeting.

The list of the participants is at Annexure-I

At the outset of the meeting, all the dignitaries were welcomed by Sh. Kunal Satyarthi, IFS, Member Secretary, H.P. State Biodiversity Board (HPSBB) and HIMCOSTE. He appraised and informed the house that the Biological Diversity Act 2002 and Rules 2004 are being implemented in the State in order to fulfil the commitments under Convention on Biological Diversity (CBD) and aspirations of the Nagoya Protocol of 2010.

He further elaborated that the HPSBB was constituted in the year 2005 in the State for the implementation of Biological Diversity Act(BDA), 2002 and Biological Diversity Rules(BDR), 2004. The Board is now established and functioning from the New HIMCOSTE Building "Vigyan Bhawan" at Bemloc, Shimla, Himachal Pradesh.

Thereafter, a detailed presentation was made by the Member Secretary, HPSBB, in which he appraised the house about the major activities undertaken by the Board for the implementation and fulfilment of the provisions of the Biological Diversity Act, 2002 & Biodiversity Rules 2004. The house was also appraised about the structure of the **Biodiversity Management**

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Committees (BMCs) as per the provisions enshrined in the Biological Diversity Act, 2002 and Biodiversity Rules 2004 and also the procedures adopted for the constitution of BMCs. The Member Secretary informed the Board members that HPSBB has constituted 609- BMCs till now and amounts in instalments upto a maximum of Rs. 60,000/-each have/are being released by the HPSBB. Tripartite Memorandum of Understanding (MoUs) have been signed with 121-Gram Panchayats and the Technical Support Group (TSG) for the preparation of **People's Biodiversity Register (PBR)** in the Gram Panchayats/MC and grants to these 121 Panchayats have also been released by the HPSBB. These PBRs are being prepared under the supervision and guidance of the TSG's namely; Himachal Pradesh University (HPU), Summer Hill, Shimla; Himalayan Forest Research Institute (HFRI), Panthaghati, Shimla; Dr. YS Parmar, University of Horticulture & Forestry, Nauni, Solan; Chowdhry, Sarvan Kumar Krishi Vishv Vidyalay Palampur, Kangra and Govind Ballabh Pant National Institute of Himalayan Environment and Sustainable Development, Mohal, Distt. Kullu.

The members and representatives of these institutes shared their thoughts, experiences and methods adopted by them for the execution of the work in the field in detail. Six PBRs of BMCs Narwana Khas (Kangra), Jana and Tandi (Kullu), Batal (Solan), and Sainj and Shakrori (Shimla) were shared with the members and the Chairman HPSBB appreciated the efforts. It was also opined that the details should be put in public domain so that it could be assessed and used by other researchers and people having interest in the field.

Thereafter, the agenda items were placed for discussion before the house by Sh. Kunal Satyarthi, IFS, Member Secretary, H.P. State Biodiversity Board, which are as under:

ITEM NO. 3.1: Confirmation of Minutes of the 2nd Meeting of H.P. State Biodiversity Board (HPSBB) held on 14.10.2016.

The proceedings of the 2nd meeting of the HP State Biodiversity Board (HPSBB) held on 14.10.2016 were confirmed.

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| Sr. No. | Follow up action of the decisions taken in the 2 nd Meeting of the Board on 14.10.2016 | Action |
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| 1. | <p>Reconstitution of the HPSBB</p> <p>After detailed discussion it was decided that the Chairman of HPSBBB may not be changed currently. Future meetings of HPSBB would be convened under the Chairmanship of the current Chairman of the HPSBB i.e. Principal Secretary (Environment, Science & Technology) to the Govt. of Himachal Pradesh. Board may nominate Worthy Chief Secretary, Govt. of Himachal Pradesh as Chairman after the completion of the present term of the Board.</p> <p>It was also decided that the stakeholder departments like Finance, Agriculture, Horticulture, Animal Husbandry, Fisheries, etc. as also the Vice Chancellors of Universities and Directors of Institutes located in the State would be invited as Special invitees in subsequent meetings.</p> | <ul style="list-style-type: none"> The Board has been reconstituted by Govt. of Himachal Pradesh vide notification No. STE-A (3)-1/2004-loose dated 12.10.2017 for a period of three years with Hon'ble Chief Secretary, Govt. of H.P. as Chairperson of the Board and five official Members. Six Expert Members from different stakeholder departments like Wildlife, Agriculture, Horticulture, Animal Husbandry, Fisheries and Environment and nine Special Invitees i.e. Vice Chancellors of Universities and Directors of Institutions located in the State have been included in the HPSBBB. |
| 2. | <p>Approval of norms for expenditure and delegation of financial powers to the Member Secretary of HPSBB</p> <p>It was decided that the norms for administrative or financial powers in the H.P. State Biodiversity Board will be as per the powers vested in the Member Secretary and Chairperson of Himachal Pradesh Council for Science Technology & Environment (HIMCOSTE), Kasumpti, Shimla by the Executive Committee (EC) of the Council.</p> | <ul style="list-style-type: none"> Norms for expenditure and delegation of financial powers to the Member Secretary of HPSBBB was approved. NO ACTION REQUIRED |
| 3. | <p>Strengthening of HPSBB through Adequate Manpower</p> <p>The Board granted approval for taking up the matter with AD for placing before the</p> | <ul style="list-style-type: none"> New Agenda item No. 3.18 placed separately before the Board. |

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| | Cabinet for creation of new posts on contract basis for the efficient functioning of the Board. | |
| 4. | Secretarial structure of the HPSBB A new building has been constructed at Bemloe, Shimla by the HIMCOSTE, Kasumpti, Shimla which is being furnished presently and is likely to be completed in one or two months. It was decided that since HPSBB is a statutory body constituted under Section 22 of the Biological Diversity Act, 2002, it will shift into and function from the new building at Bemloe. | <ul style="list-style-type: none"> The HPSBB has now been shifted and is functioning from the New Building "Vigyan Bhawan", Bemloe, Shimla. NO ACTION REQUIRED. |
| 5. | Status of the State Biodiversity Rules of the HPSBB It was decided that the draft H.P. Biological Diversity Rules, 2016 would be sent to AD for vetting by Law Department and Notification would be issued thereafter, after approval of the Cabinet. | <ul style="list-style-type: none"> The matter has been taken up with the AD for vetting by Law Department and Notification would be issued thereafter, after approval of the Cabinet but matter is pending. New Agenda item No. 3.8 placed separately before the Board. |
| 6. | Separate State Budget Head for HPSBB The proposal for the creation of a separate Budget Head, release of Grant-in-aid for HPSBB by the Govt. of H.P., audit of the account and tabling Annual Report of HPSBB in the State Legislature was approved by the Board. The matter is required to be taken up with AD for approval of Finance Department. | <ul style="list-style-type: none"> The matter has been taken up with the AD for creation of a separate Budget Head and for release of Grant-in-aid for HPSBB by the Govt. of H.P. but matter is pending. New Agenda item No. 3.10 placed separately before the Board. |
| 7. | Constitution and Strengthening of Biodiversity Management Committees (BMCs) <ul style="list-style-type: none"> Progress till 31.03.2016 was placed and approved by the Board. Concern was shown over the slow pace in formation of BMC; in the past ten years. For the year 2016-17, the approach of selecting four prioritized districts in the mid-himalayas viz. Chamba, Kullu, Shimla and Sirmour was appreciated and approved by the | |

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| | <p>Board.</p> <ul style="list-style-type: none"> The three district level workshops organized in Sirmour, Chamba and Kullu in the current financial year with financial support of NBA, Chennai and UNEP-GEF Project for Panchayat Pradhan's and other PRI's and Stakeholder Departments in association with the H.P. State Forest Department was appreciated and approved. Board decided that efforts should be made on creation of more BMCs at Panchayat level in the current financial year in these four districts. The BMCs at ZillaParishad, Block Samiti and Notified Area Committees level should not be the priority and could be taken up later. Board approved the proposal for release of funds as per the guidelines and norms for effective functioning of the BMCs. Mechanisms of reporting w.r.t. Local Biodiversity Fund (LBF) and better monitoring should also be put in place. Grant released to BMCs till date in the current financial year was approved. | <ul style="list-style-type: none"> NO ACTION REQUIRED. |
| 8. | <p>Preparation of People's Biodiversity Register (PBR)</p> <ul style="list-style-type: none"> Progress till 31.03.2016 was placed and approved. Concern was shown over the slow pace in documentation of PBR; in the past ten years. It was decided that the HPSBB would seek proposals for the preparation of People's Biodiversity Register (PBR) at Gram Panchayat Level from local universities (both Government and Private) and R&D institutions located in the State as per the terms of reference set by the Member Secretary of HPSBB and norms & guidelines for PBR, prepared by the NBA Chennai. It was also decided that in event of no positive outcome being received from the universities & Institutions as | <ul style="list-style-type: none"> NO ACTION REQUIRED. The Board has collaborated with various R&D Institutes and Universities of the State namely Dr. Y.S. Parmar University of Horticulture and Forestry, Nauni, Solan; GB Pant National Institute of Himalayan Environment and Sustainable Development Kullu; CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur; Himalayan Forest Research Institute, Shimla; and Himachal Pradesh University, Shimla and assigned as Technical Support Group (TSG) for the preparation of People's Biodiversity Register in the State. |

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| | <p>above, the Member Secretary could initiate PBR preparation by Technical Support Group (TSG) at District Level or by way of Project based hiring of technical experts of required relevant specializations.</p> | <ul style="list-style-type: none"> • NO ACTION REQUIRED. |
| 9. | <p>Operationalization of Biodiversity Management Committees (BMCs)</p> <ul style="list-style-type: none"> • It was decided by the Board to follow the BDA, 2002 and the BD Rules, 2004 for the formation of the BMCs at Panchayat level. Accordingly, the BMC shall consists of a Chairperson and not more than six persons nominated by the local body, of whom not less than one third should be women and not less than 18% should belong to the Scheduled Castes/Scheduled Tribes. The Chairperson of the BMC shall be elected from amongst the members of the Committee in a meeting to be chaired by the Chairperson of the local body. • However, it was also decided that for effective functioning of the BMC, an advisory would be issued to all the panchayats of the four prioritized districts to nominate the Panchayat Pradhan (Chairperson of the local body) or the Up-pradhan to function as the Chairperson of the BMC with co-terminus tenures. • The advisory should also mention that the BMC could co-opt two official members out of the Stakeholder Departments namely; Agriculture, Horticulture, Rural Development and Panchayati Raj, Animal Husbandry, Ayurveda, as the case may be. • It was also decided that keeping in view the large extent of forest cover in the State and large scale biodiversity being present in the forests, the forest Guard of the Forest Department would be the Secretary of the BMC at Panchayat level within his | <ul style="list-style-type: none"> • NO ACTION REQUIRED. • Most of the local bodies have nominated their Pradhans as Chairpersons of the BMCs. • NO ACTION REQUIRED. • The HPSBB has nominated all Forest Guards of HP Forest Department as Secretary of the BMC at Panchayat level; all Range Officers/ Block Officers of HP Forest Department as Secretary of the BMC at Block Samiti Zila Parishad and Notified Area Committee level and all |

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| | <p>jurisdiction. The Forest Range Officer or Block Officer would be the Secretary of BMCs at Block Samiti, Zilla Parishad and NAC level local body and Divisional Forest Officer concerned would act as Nodal Officer.</p> <ul style="list-style-type: none"> Matter would be referred to AD for issuance of appropriate notification in this regards. | <p>Divisional Forest Officers of HP Forest Department as Nodal Officer for the implementation of Biological Diversity Act, 2002 and Rules, 2004 in the Forest Divisions as per GoHP notification no. FFE-A(B) 19-2/2017 dated 25.07.2017.</p> <ul style="list-style-type: none"> NO ACTION REQUIRED. |
| 10. | <p>State Level Data bank on Diverse Biological Resources</p> <ul style="list-style-type: none"> The agenda was approved, as proposed. It was emphasized by the members that State Level database on diverse biological resources is very important for bringing in all the scattered information about biological resources of the State at one place. HPSBB would write to all universities, Institutions, organizations, eminent scientists and line departments for obtaining and compiling of State Level Data Band on diverse biological resources. | <ul style="list-style-type: none"> The HPSBB has written letters to all Universities, Institutions, Organizations and line departments regarding obtaining and compiling of State level data bank on diverse biological resources, but there has been no response from these Universities/ Institutions/ Organization/ Departments located in the State. NO ACTION REQUIRED. |
| 11. | <p>Access and Benefit Sharing (ABS) of bio-resources for commercial utilization or bio-survey and bio-utilization for commercial utilization</p> <ul style="list-style-type: none"> It was decided that as proposed, a HPSBB – Industries Dialogue Meet would be organised by the Board in the month of November/December, 2016 for dissemination of information about the provisions of BDA, 2002 & BDA Rules, 2004. Thereafter, the process of issuing notices to companies/industries accessing biological resources of the State for commercial utilization or the bio-survey and bio-utilization leading to commercial utilization using the biological resources would be initiated for benefits sharing as per BDA, 2002, BD Rules, 2004 and the ABS Guidelines, 2014 of the Govt. of India. | <ul style="list-style-type: none"> The Board would organize an Industrial Dialogue meet for dissemination of information about provisions of Biological Diversity Act, 2002 and Rules, 2004 and the ABS Guidelines, 2014. Thereafter, the process of issuing notices to companies/industries accessing biological resources of the State for commercial utilization or the bio-survey and bio-utilization leading to commercial utilization using the biological resources without prior intimation would be initiated for access regulation and for benefits sharing as per BDA, 2002, BD Rules, 2004 and the ABS Guidelines, 2014 of the Govt. of India. New Agenda item No. 3.4 placed |

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| | | separately before the Board. |
| 12. | <p>UNEP-GEF-MoEF project on "Strengthening the implementation of the Biological Diversity Act and Rules with focus on its Access and Benefit Sharing (ABS) Provisions".</p> <ul style="list-style-type: none"> Approved as proposed | NO ACTION REQUIRED. |
| 13. | <p>Declaration and documentation of Biodiversity Hot Spots i.e. areas of biodiversity importance in the State as Biodiversity Heritage Sites (BHS).</p> <ul style="list-style-type: none"> Approved as proposed | <ul style="list-style-type: none"> The Board has approved the proposal received from WWF India, Shimla titled "<i>Identification and data gathering of sacred grooves in Himachal Pradesh</i>". WWF India has identified 235 sacred grooves in two districts of Shimla and Kullu of the State. An amount of Rs. 7,00,000/- was released by the HPSBB to WWF India for identification and data gathering for sacred grooves which may fulfil the criteria to be declared as Biodiversity Heritage Sites (BHS), under Section 37 of the BDA, 2002 and as per the guidelines of NBA. New Agenda item No. 3.5 placed separately before the Board. |
| 14. | <p>Review the Threatened Species of H.P. for notification under Section 38 of the Biological Diversity Act, 2002 by the MoEF, GoI, New Delhi.</p> <ul style="list-style-type: none"> Approved as proposed. It was further decided that two committees as under mentioned would be constituted to review the list of threatened species of plants and animals of H.P. and give final recommendations within four months to the HPSBB. | <ul style="list-style-type: none"> The Govt. of HP vide notification No. STE-A(3)-1/2004 dated 17.12.2016 has constituted two Committees to examine and enlist the species which are on the verge of extinction or likely to become extinct in the near future as Threatened species of plants and animals in the State of Himachal Pradesh under section 38 of the Biological Diversity Act, 2002. As a follow up action, the HPSBB organized two meetings on 1st February 2017 at 11.00 AM to review the list of threatened <i>plant species</i> of Himachal Pradesh under the Chairmanship of Director, HFRI in the Committee Room, HFRI Shimla and at 3.00 PM to review the list of threatened <i>animal species</i> of Himachal Pradesh under the Chairmanship |

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| | | <p>of Addl. Principal Chief Conservator of Forests (Wildlife) in the Conference Hall of HP Forest Department, Talland, Shimla. After getting feedback/inputs/observations, 22 species of plants and 16 species of animals were finalized for re-notification as Threatened Species of the State of H.P.</p> <p>(List of species are at Annexure II & III)</p> <ul style="list-style-type: none"> NO ACTION REQUIRED. |
| 15. | <p>Constitution of Experts Group for the evaluation of People's Biodiversity Register (PBRs)</p> <ul style="list-style-type: none"> Expert Groups (EG) proposed in the field of Agriculture, Horticulture, Plant sciences and Animal sciences for the supervision of PBR preparation, Evaluation of Draft PBRs and Certifying their authenticity was amended by the Board. | <ul style="list-style-type: none"> The Govt. of HP has notified No. STE-A(3)-1/2004 dated 17.12.2016 the Expert Group to supervise the preparation & evaluation of Draft PBRs and certify their authenticity on behalf of HP State Biodiversity Board. However, due to old age and/or health problems of many Expert Group members, the Experts Group for the evaluation of People's Biodiversity Register (PBRs) has to be reconstituted. New Agenda item No. 3.9 placed separately before the Board. |
| 16. | <p>Dissemination of the information</p> <ul style="list-style-type: none"> Approved as proposed | <ul style="list-style-type: none"> NO ACTION REQUIRED. |
| 17. | <p>Creation of Website of the HPSBB</p> <ul style="list-style-type: none"> Approved as proposed | <ul style="list-style-type: none"> The Board has created its own website www.hp biodiversity.gov.in which was created by Aryabhatta Geoinformatics & Space Application Centre (AGISAC), under HIMCOSTE and launched on 9th February, 2017 by the Hon'ble Chief Minister, Himachal Pradesh. NO ACTION REQUIRED. |
| 18. | <p>Annual Plan of Operation (APO) of HPSBB for the financial year 2016-17</p> <ul style="list-style-type: none"> Approved as proposed | <ul style="list-style-type: none"> NO ACTION REQUIRED. |

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ITEM NO.3.2: Constitution and Strengthening of Biodiversity Management Committees (BMCs)

Details of LBF amount sanctioned to BMCs during the period (FY 2016-17 to 2018-19):

| Sr. No. | Grant | Year of release | BMC Numbers to whom amount released | LBF Amount Sanctioned (in Rs.) |
|---------|---------------------|-----------------|---|--------------------------------|
| 1. | NBA Grant | 2017-18 | 224 BMCs (216 BMCs @ Rs. 10,000/- & 60 BMCs @ Rs. 15,000) | 30,60,000/- |
| 2. | NBA Grant | 2018-19 | 52 BMCs @ Rs. 35,000/- | 18,20,000/- |
| 3. | State Budget | 2016-17 | - | 24,45,000/- |
| 4. | State Budget | 2017-18 | 92 BMCs @ Rs. 10,000/- | 9,20,000/- |
| 5. | UNEP-GEF Grant | 2016-17 | 2 BMCs @ Rs. 10,000/- | 20,000/- |
| 6. | UNEP-GEF Grant | 2016-17 | 14 BMCs @ Rs. 50,000/- | 7,00,000/- |
| 7. | UNEP-GEF Grant | 2018-19 | 21 BMCs @ 10,000/- | 2,10,000/- |
| 8. | UNEP-GEF Grant | 2018-19 | 20 BMCs @ 15,000/- | 3,00,000/- |
| | Total amount | | | 94,75,000/- |

Total amount released during FY 2016-17 to 2018-19= 94,75,000/-

LBF Proposed from NBA Grant (2018-19):

- An amount of Rs. 84,40,000/- (Rs. Eighty Four Lakh and Forty Thousand) has been sanctioned by NBA Chennai, GoI vide letter F.No. 15/08/BMC/2012/4081 dated 13.03.2018 (**Annexure-IX**). It is proposed to release LBF to 230 BMCs constituted for the financial year 2018-19.
- It is proposed to release an amount of Rs. 21,50,000/- as LBF to 45 BMCs during the FY 2018-19.

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In addition, keeping in view the important role of BMCs in conservation of biological resources, an advisory should be issued through R&D Department to the local bodies/BMCs to form a local TSG by involving frontline staff of Stakeholder Departments namely Forest, Agriculture, Horticulture, Ayurveda, Animal Husbandry, Fisheries, Knowledgeable persons and Local NGO/Societies in the BMC's.

The agenda was approved, as proposed.

After detailed discussion it was decided that:

- In the four biodiversity rich districts namely: Chamba, Kullu, Shimla and Sirmour, BMCs would be constituted at the Panchayat level.
- In the four districts of Solan, Bilaspur, Una and Hamirpur where there is not much variation in the biological diversity, BMC and PBR will be constituted at district level.
- In Mandi district, BMC will be constituted at Panchayat level in all the blocks except for Sadar and Balh where Block level BMC's will be constituted. In Kangra district, panchayat level BMC's will be constituted only in Baijnath and Panchrukhi block and in other areas BMC's will be constituted at the block level.
- In Kinnaur and Lahaul & Spiti districts, BMCs will be formed preferably at Panchayat level with the help of UNDP project and also with the help of Tribal Development Department. However, if adequate funds are not made available BMCs would be constituted at the Block level. (District wise Map-Annexure-IV).
- An Advisory be issued through the Director, Panchayati Raj and Rural Development to the local bodies, so that the formation of BMCs could be accelerated.

ITEM NO. 3.3: Preparation of People's Biodiversity Register (PBR)

The Board approved the involvement of Universities/Institutions of the State in the preparation of 121-PBRs as Technical Support Group (TSG), on the basis of Tripartite agreements and also approved the involvement of more Universities/ Institutions, both Government and Private, in the preparation of PBR's. The board granted approval for the release of following funds received from (a) NBA Grant and (b) UNEP-GEF Grant in FY 2018-19 for the preparation of PBRs:

a) Funds received from NBA Grant in FY 2018-19:

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In the FY 2018-19, HPSBB has received an amount of Rs. 51,75,000/- (Rs Fifty One Lakhs and Seventy Five Thousand only) from NBA, Chennai, GoI, vide sanction letter no. NBA/16/08/PBR/2012/1095 dated 26.06.2018 for the preparation of 45-People's Biodiversity Registers (PBR).

b) Funds received from UNEP-GEF Grant in FY 2018-2019:

An amount of Rs. 23,00,000/- has been sanctioned by UNEP-GEF for the preparation of 20 Gram Panchayat level PBRs and Rs. 9,20,000/- has been sanctioned under UNEP-GEF grant for the preparation of 4- district level PBRs. A total of Rs. 32,20,000/- is to be released.

The agenda was approved, as proposed.

ITEM NO. 3.4: Access and Benefit Sharing (ABS) of bio-resources for commercial utilization.

A: Dabur India Ltd, 8/3, Asaf Ali Road, New Delhi-110002 has submitted an application on Form-I, for commercial utilization of 21 biological resources for the preparation of Ayurvedic medicines which has been utilized during the financial years 2014-15 & 2015-16. ABS fee would be levied accordingly on Dabur India Ltd and they would be asked to pay an amount of **Rs. 34,34,271/-** (Rupees Thirty four lakhs thirty four thousand two hundred and seventy two only) for FY 2014-15 and **Rs. 36,85,519/-** (Rupees Thirty six lakhs eighty five thousand five hundred and nineteen only) for FY 2015-16. This amount will be paid in a single instalment within one month of signing of the agreement.

The agenda was approved, as proposed.

B: The currently available list of 706 Industries/Companies which are accessing biological resources from the State for commercial utilization will be invited in the Industrial Dialogue and thereafter will be asked to share access & benefits as per the BDA, 2002 and Rules 2004 and ABS Guidelines.

The agenda was approved, as proposed.

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ITEM NO. 3.5: Declaration and documentation of Biodiversity Hot Spots i.e. areas of biodiversity importance in the State as Biodiversity Heritage Sites (BHS)

The WWF India has been assigned the work of compilation of data regarding the Sacred Groves in the State. Draft report of district Shimla and Kullu was tabled during the meeting. An amount of Rs. 7,00,000/- is now approved by the board to be released as second year instalment to WWF India for the identification and data gathering of remaining ten-districts of the State and submit final report to the Board. Thereafter, Board would identify the best Sacred Groves, depending on extent of Biological diversity and importance which could be declared as Biodiversity Heritage Site under Section 37 of BDA-2002 and BHS guidelines.

The agenda was approved, as proposed.

ITEM NO. 3.6: Dissemination of the information through resource material

Board approved the previous publication of documents/ books and the expenditure thereof. HPSBB has compiled following documents and these would be printed under UNEP-GEF grant/NBA/Grant/ State Budget in FY 2018-19.

- a) Status of biodiversity in Himachal Pradesh
- b) Traditional Foodgrain Crops and other lesser known Edible Plants of Himachal Pradesh
- c) Underexplored Wild Edible Fruits of Himachal Pradesh
- d) Tradable Bio-resources in Himachal Pradesh: Potential and Scope
- e) Traditional food grain crops of Himachal Pradesh
- f) Fish diversity in Himachal Pradesh
- g) Butterflies of subalpine and alpine areas of Himachal Pradesh
- h) Wild edible fruits of Himachal Pradesh
- i) Commercially important ABS potential medicinal plants of Himachal Pradesh

It was proposed that the Board may approve printing of 300 more copies of above said books for distribution to the various line departments and stakeholders through open tendering. The cost of printing will be met out of the UNEP-GEF-MoEFCC ABS project.

The agenda was approved, as proposed.

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ITEM NO. 3.7: Organization of workshops/ Training Programmes/ Seminars: Implementation of Biological Diversity Act, 2002 & Rules, 2004 in the State.

The agenda was approved, as proposed and need to have more such awareness campaigns at all level for the stakeholders of Biological Diversity in the State was reiterated.

ITEM NO. 3.8: Status of the State Biodiversity Rules of the HPSBB

The agenda was approved, as proposed and it was decided to pursue with AD and Law Department for early constitution of the State Biodiversity Rules.

ITEM NO. 3.9: Re-constitution of Experts Group for the evaluation of People's Biodiversity Register (PBRs)

The agenda was approved, as proposed and the matter would be taken up with AD for issuing of notification for the reconstitution of Expert Group of HPSBB.

Item No. 3.10: Separate State Budget Head for HPSBB

The matter would be taken up with AD for required action.

ITEM NO. 3.11: Hiring of Para-Taxonomists at District Level in Himachal Pradesh

The Board took the cognizance of Rs. 30,05,000/- currently available from the amount appropriated for PBRs. Accordingly as proposed, the Board approved hiring of one Para-Taxonomist each for eight Districts i.e., Shimla, Sirmour, Chamba, Kullu, Kinnaur, Lahaul & Spiti, Mandi and Kangra, for helping people at the grass root level for the constitution of BMCs and preparation of PBRs. These Para-taxonomists would be hired on out-sourced basis, out of retired eminent persons from the Department like Forest, Agriculture, Horticulture, and also from amongst the students who are undergoing training on Govt. of India's Green Skill Development Programme (GDSD) at HIMCOSTE, Shimla, Himachal Pradesh. They would be paid fixed remuneration of Rs. 16,000/- per month. They would be initially hired for one year.

The agenda was approved, as proposed.

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ITEM NO. 3.12: UNEP-GEF-MoEFCC project on "Strengthening the implementation of the Biological Diversity Act and Rules with focus on its Access and Benefit Sharing (ABS) Provisions".

The Board approved the activities of UNEP-GEF till now and also approved the Budget stated as on 25.8.2018. As the UNEP-GEF-MoEFCC project on "Strengthening the implementation of the Biological Diversity Act and Rules with focus on its Access and Benefit Sharing (ABS) Provisions" is winding up in March 2019, Board has been asked to submit project to Government of India for the continuation of activities and the experts working in the board for imparting training and other related activities.

Item No. 3.13: Approval of 6 PBRs prepared under UNEP-GEF-MoEFCC ABS project.

6 PBRs made under UNEP- GEF in the BMC Sainj and Shakrori of Shimla district, Jana and Tandi of District Kullu, Batal of Solan and Narwana Khas of District Kangra were approved by the Expert Group in the meeting held on 27.2.2017, at Hotel Holiday Home, Shimla. This was also approved by the Board. A copy of PBRs to be provided to the BMC and local body concerned.

The 6-PBRs were approved, as proposed.

ITEM NO. 3.14: Studies awarded on important aspects of medicinal plants under UNEP GEF-MoEFCC ABS project.

The Studies awarded till now under UNEP-GEF was approved by the Board. One additional study may be undertaken on the trading of Morchella (Guchhi) and Dhoop and it must be brought under ABS, this possibility must be studied and evaluated.

The agenda was approved, as proposed.

ITEM NO. 3.15: Development of National Platform under UNEP-GEF-MoEFCC ABS project through AGISAC (MIS based Reporting System) for BMCs database of 28 States of India to be hosted on the NBA website.

Ad
7.9.12

AGISAC has completed the exercise in a time bound manner.

The agenda was approved, as proposed.

Item No. 3.16: Endorsement of a project proposal for funding by State Project Steering Committee of the SECURE Himalayas programme of the UNDP & HP Forest Department.

It was decided that in SECURE Himalaya programme, an amount of Rs. 57,14,000 (40% of the total cost) has to be borne out of the State head. The matter is required to be taken up with AD for approval of Finance Department.

The submission of Project for funding to the tune of Rs. 142,85000/- was approved by the Board.

ITEM NO. 3.17: Approval of a proposal on Conservation of Ecosystems in Kinnaur and Spiti areas of Himachal Pradesh for funding from Tribal Development Department (GoHP).

Project entitled 'Involvement of Local Stakeholders in Conservation of Ecosystems through Alternate Sustainable Livelihood Opportunities in Kinnaur and Spiti areas of Himachal Pradesh' for funding to the tune of Rs. 1,89,90,000 (Rupees One Crore Eighty Nine Lacs & Ninety Thousand only) to be submitted for funding from Tribal Development Department (GoHP) was approved by the Board.

ITEM NO. 3.18: Strengthening of HPSBB through Adequate Manpower.

The Board approved strengthening of HPSBB through adequate manpower through placing the matter before the Service Committee through AD and the Cabinet. It was decided to take up the case for the creation of regular posts in various categories which were earlier approved in the 2nd Board meeting, but were turned down by the Finance Department. The same 10-posts may now be placed before the Cabinet for the creation of regular posts on contract basis for the effective and smooth functioning of HP State Biodiversity Board.

ITEM NO. 3.19: Approval of norms for expenditure and delegation of financial powers to the Additional Chief Secretary (Env., Sci. & Tech.) to the GoHP-cum-Chairman HIMCOSTE.

The agenda was approved, as proposed.

XHP
9.1.15

ITEM NO. 3.20: Expenditure Statement of HPSBB.

Expenditure statement of HPSBB for the financial year 2016-17 and 2017-18 was placed before the Board and the board approved all expenditure statement as proposed. The Annual Plan of Operation for the Financial Year 2018-19 and the expenditure till now was approved by the Board.

At the end of the meeting, Sh. Kunal Satyarthi, IFS, Member Secretary, HP State Biodiversity Board thanked Chairman, Members of the Board and all other esteemed Special Invitees for providing valuable inputs and suggestions during the deliberations.



**Chairman HIMCOSTE
-cum- Additional Chief Secretary
Govt. of Himachal Pradesh.**

Annexure-I

LIST OF PARTICIPANTS

| S. No | Name | Designation | Mobile & Email |
|-------|-----------------------|---|--|
| 1. | Sh. R.D. Dhiman | Additional Chief Secretary, Env. Sci & Tech cum- Chairman HIMCOSTE(EC) | 9418026646 |
| 2. | Sh. Kunal Satyarthi | Member Secretary, HPSBBB and HIMCOSTE | 9410394349 kunalsatyarthi@gmail.com |
| 3. | Sh. S.K. Sharma | PCCF (Adm.& HRD), H.P. Forest Dept. | 9418021561 skhp1985@gmail.com |
| 4. | Sh. Rakesh Kanwar | Director, Rural Development & Panchayati Raj | 9418015754 rddhimachal@gmail.com |
| 5. | Sh. Sanjeev Bhatnagar | Director, Ayurveda Dept. H.P. | 8219200032 sanjeevhas@gmail.com |
| 6. | Sh. Dinesh k. Sharma | Joint Secretary, Industries | 9418051904 |
| 7. | Dr. M.L. Dhiman | Director, Horticulture | 9816487464 |
| 8. | Dr. Rajender Verma | Joint Director, Agriculture Dept. Shimla | 9418466767 krishibhawan_hp@gov.in |
| 9. | Dr. Ram Lal Sandal | Joint Director, Animal Husbandry Shimla | 9816164518 dir_ah_hp@nic.in |
| 10. | Dr. K.S. Verma | V.C. Career Point University Hamirpur | 9418679022 vc@cpu.in |
| 11. | Dr. S.S. Samant | Scientist-G GBPNIHESD, HRC, Mohal, Kullu | 9816316318 samantss2@rediffmail.com |
| 12. | Dr. Ashwani Tapwal | Scientist-E, HFRI Shimla | 9418065960 tapwala@icfre.org |
| 13. | Dr. Sanjay Uniyal | Principal Scientist, CSIR-IHBT Palampur | 9418009386 sunial@ihbt.res.in |

| | | | |
|-----|-----------------------|--|--|
| 15. | Dr. D.P. Sharma | Principal Scientist, Dept. Of Fruit Science, UHF, Nauni, Solan | 9418464081 dptabo@gmail.com |
| 16. | Dr. Suresh C. Attri | Principal Scientific Officer, DEST, Shimla. | 9418700062 sattrigohp@gmail.com |
| 17. | Sh. Arvind K. Bhatt | Dean, Planning HPU Shimla | 9418450009 bhtarvind@yahoo.com |
| 18. | Sh. Nagesh Guleria | CCF (WL), H.P. Forest Dept. | 9418000160 |
| 19. | Sh. Tapes Chaudhan | Assistant Director, Fisheries Division Shimla | 9418464184 Adfish_sml_hp@nic.in |
| 20. | Dr. R.K. Kapila | Nodal Officer Biodiversity, CSK HPKV Palampur, Kangra | 9816164518 rkkapila@gmail.com |
| 21. | Mrs. Shubhra Banerjee | Senior Scientific Officer, HP State Biodiversity Board, Shimla | 9418085455 shubhra1987banerjee@gmail.com |

Annexure-II

Plant Species

| S. N. | Scientific Name | Common Name |
|-------|---|--------------------|
| 1 | <i>Aconitum deinorrhizum</i> Stapf | Mohra |
| 2 | <i>Aconitum heterophyllum</i> Wall* | Atis |
| 3 | <i>Arnebia benthamii</i> (Wall. ex G.Don) I. M. Johnst. | Ratanjot |
| 4 | <i>Atropa acuminata</i> Royle ex. Lindl. | Jharka |
| 5 | <i>Berberis aristata</i> DC. | Kashmal |
| 6 | <i>Betula alnoides</i> Buch.-Ham. ex D.Don | Himalayan birch |
| 7 | <i>Dactylorhiza hatagirea</i> D. Don | Salam panja |
| 8 | <i>Eremostachys superba</i> Royle ex Benth | Gajar Mula |
| 9 | <i>Fritillaria roylei</i> Hook. | Kakoli/Janglilasan |
| 10 | <i>Gentiana kurroo</i> Royle | Kutki |
| 11 | <i>Habenaria edgeworthii</i> Hook. f. ex Collett | Jeevak |
| 12 | <i>Jasminum parkeri</i> Dunn | Dwarf Jasmine |
| 13 | <i>Lilium polyphyllum</i> D. Don | Ksheerkakoli |
| 14 | <i>Malaxis muscifera</i> (Lindl.) Kuntze | Ridhi |
| 15 | <i>Nardostachys grandiflora</i> DC | Jatamansi |
| 16 | <i>Paris polyphylla</i> Sm. | Dudhia bach |
| 17 | <i>Sinopodophyllum hexandrum</i> (Royle) T.S. Ying Synonym: <i>Podophyllum hexandrum</i> Royle* | Bankakri |

| | | |
|----|---|-------------------------------------|
| 18 | <i>Skimmia laureola</i> (DC.) Siebold & Zucc. Ex Walp. | Ner dhoop |
| 19 | <i>Staphylea emodi</i> Wall. ex Brandis | Himalayan bladder nut/ /Nag Danu |
| 20 | <i>Swertia chirayita</i> (Roxb. ex Fleming) Karsten | Chiretta/Chirayata |
| 21 | <i>Taxus wallichiana</i> Zucc Synonym: <i>Taxus contorta</i> Griff.* | Rakhal/Birmi |
| 22 | <i>Trillium govanianum</i> Wall. ex D.Don | Himalayan Trillium/Nag chhatri |

*The Committee also recommended three species namely *Aconitum heterophyllum*, *Podophyllum hexandrum* and *Taxus wallichiana* to be re-notified as threatened plant species but with a clause for exemption, from the provision of Section 38 of Biological Diversity Act, 2002 if they are being cultivated for commercial purposes in the State.

Annexure –III

Animal Species

| S. N. | Scientific Name | Common Name |
|-------|--|---------------------------|
| 1 | <i>Aquila nipalensis</i> Hodgson | Steppe eagle |
| 2 | <i>Canis lupus chanco</i> Gray | Tibetan wolf |
| 3 | <i>Capricornis thar</i> Hodgson | Himalayan serow |
| 4 | <i>Catreus wallichii</i> Hardwicke | Chir pheasant |
| 5 | <i>Gypaetus barbatus</i> Linnaeus | Bearded vulture |
| 6 | <i>Gyps bengalensis</i> Gmelin | White-rumped vulture |
| 7 | <i>Gyps tenuirostris</i> Gray | Slender billed vulture |
| 8 | <i>Hemitragus jemlahicus</i> C.H. Smith | Himalayan tahr |
| 9 | <i>Moschus chrysogaster</i> Hodgson | Himalayan musk deer |
| 10 | <i>Parnassius charltonius</i> Gray | Regal apollo |
| 11 | <i>Parnassius stoliczkanus</i> Felder & Felder | Ladakh banded Apollo |
| 12 | <i>Pucrasia macrolopha</i> Lesson | Koklass pheasant |
| 13 | <i>Sarcogyps calvus</i> Scopoli | Red-headed vulture |
| 14 | <i>Tragopan melanocephalus</i> Gray | Western tragopan/Jujurana |
| 15 | <i>Tor putitora</i> Hamilton | Golden Mahseer |
| 16 | <i>Uncia uncia</i> Schreber | Snow leopard |

- The list was sent to the National Biodiversity Authority (NBA), Chennai, and Ministry of Environment Forests and Climate Change, Govt. of India through AD, for re-notifying the list of Threatened Species of H.P. under the Section 38 of the Biological Diversity Act, 2002.

Annexure IV

Map of Himachal Pradesh



DETAILED DISTRICT WISE LIST OF BMC's TO BE CONSTITUTED

| District | GP | Dev Blocks | ZP | M Corp | M Council | N P | Total | BMCs Constituted |
|----------------|------|------------|----|--------|-----------|-----|-------|------------------|
| Bilaspur | 151 | 4 | 1 | 0 | 3 | 1 | 160 | 1 |
| Chamba | 283 | 7 | 1 | 0 | 2 | 1 | 294 | 74 |
| Hamirpur | 229 | 6 | 1 | 0 | 2 | 2 | 240 | 4 |
| Kangra | 748 | 15 | 1 | 1 | 6 | 2 | 773 | 16 |
| Kinnaur | 65 | 3 | 1 | 0 | 0 | 0 | 69 | 7 |
| Kullu | 204 | 5 | 1 | 0 | 2 | 2 | 214 | 134 |
| Lahaul & Spiti | 41 | 2 | 1 | 0 | 0 | 0 | 44 | 11 |
| Mandi | 469 | 10 | 1 | 0 | 4 | 3 | 487 | 9 |
| Shimla | 363 | 10 | 1 | 1 | 3 | 5 | 383 | 132 |
| Sirmour | 228 | 6 | 1 | 0 | 2 | 1 | 238 | 216 |
| Solan | 211 | 5 | 1 | 0 | 4 | 1 | 222 | 4 |
| Una | 234 | 5 | 1 | 0 | 3 | 3 | 246 | 1 |
| Total | 3226 | 78 | 12 | 2 | 31 | 21 | 3370 | 605 |

