

**Proceedings of The
VI Research Policy Committee Meeting**

1st -2nd May 2005

at

ICFRE Board Room

Dehra Dun

Mandate of the Research Policy Committee

(RPC)

- **To consider and review Research Projects of ICFRE Institutes duly approved by RAG, in view of State, Regional and National priorities.**
- **To consider and approve new Projects of all Institutes (RPC may even decide new Projects which have not come through RAG). It may recommend to modify / delete the non-viable Projects.**
- **To review and co-ordinate Research programme of ICFRE Institutes with SFDs, NGOs etc.**
- **To approve the prioritized Research Projects of each Institute, and to guide ICFRE in mobilizing and optimizing the resources.**
- **To help in ensuring the balance among various disciplines with a view to avoid undesirable duplication of work and promote effective coordination.**
- **To explore the possibility of meaningful collaboration with other agencies engaged in forestry research.**

AGENDA
SEVENTH RESEARCH POLICY COMMITTEE (RPC)
MEETING OF ICFRE

Date - 1st & 2nd May, 2005
Venue - Board Room, ICFRE, Dehradun

24-03-2006

TIME:

10.00 A.M. – 10.15 A.M.	Welcome by Sh. Mudit Kumar Singh ADG (Planning & Programme)
10.15 A.M – 10.30 A.M.	Introduction to the objectives of RPC and confirmation of minutes of the last meeting by Dr. Shashi Kumar, DDG (Research.), ICFRE.
10.30 A.M. – 10.45 A.M.	Address by Shri. G.K Prasad D.G, ICFRE
10.45 A.M – 11.00 A.M	TEA
11.00 A.M – 1.00 P.M	Presentation by ICFRE Directors and Discussion on- <ul style="list-style-type: none">• Prioritized New Research Projects• On going Research Projects (Progress) <ol style="list-style-type: none">1. Arid Forest Research Institute, Jodhpur2. Forest Research Institute, Dehradun
1.00 P.M – 2.00 P.M	LUNCH
2.00 P.M – 4.00 P.M	Presentation and discussion continues- <ol style="list-style-type: none">3. Himalayan Forest Research Institute, Shimla4. Institute of Forest Genetics & Tree Breeding, Coimbatore5. Institute of Forest Productivity, Ranchi

25-03-2006

10.00 AM – 11.00 AM

**6. Institute of Wood Science & Technology,
Bangalore**

11.00 AM – 11.30 AM

TEA

11.30 AM - 1.00 PM

**7. Rain Forest Research Institute, Jorhat
8. Tropical Forest Research Institute,
Jabalpur**

1.00 PM – 2.00 PM

LUNCH

2.00 PM – 3.00 PM

Presentation & Discussion continue-
**Tropical Forest Research Institute,
Jabalpur**

3.00 P.M – 3.45 P.M

Recommendations and finalization of the
Prioritized Projects. Views of nominated
members on optimizing and mobilizing of
resources for forestry research and the
scope for coordination and collaboration.

3.45 P.M – 3.55 P.M

Wrap up by Sh. B.S. Sajwan, DDG
(Extension) ICFRE.

3.55 P.M – 4.00 P.M

Vote of Thanks by ADG (Planning &
Programme), ICFRE

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Research Policy Committee (RPC) is an apex advisory body at the Council level to innovate, provide directions and decide investment for high quality forestry research. It also sets research priority to achieve leadership in forestry research. VI RPC meeting was held in the Board Room of ICFRE head quarter on 1-2nd May, 2005, under the chairmanship of Shri G. K. Prasad, Director General (DG), ICFRE.

Dr Shashi Kumar, Deputy Director General (Research) as Member Secretary, Directors from all the ICFRE Institutes, representative from Wildlife Institute of India, Indian Institute of Remote Sensing, Botanical Survey of India and retired Scientists from FRI, Dehra Dun and all the Deputy Director Generals and Assistant Director Generals from ICFRE HQ and all the Divisional Heads of the FRI were present during the meeting. List of Participants of Sixth RPC Meeting is as **Annexure I**.

Shri. Mudit Kumar Singh, ADG, Planning and Programme, welcomed all the RPC members and other delegates. While welcoming, the ADG Planning also gave brief account on areas of thrust and priority. He informed the committee that in VI RPC, 71 new projects will be discussed in two days for final approval. The projects may be modified, their title may be changed, budget may be revised and other modifications such as change in objectives can be made. After this, ADG Planning & Programme requested Dr. Shashi Kumar, DDG (Research), the Member Secretary, to Welcome the Chairman.

Dr. Shashi Kumar, while welcoming the Chairman and members of VI-RPC and other delegates during his overview introductory remarks, recalled the importance of earlier Silvicultural Meet and the present RPC Meeting in shaping the forestry research for its excellence, keeping in view the trend of research, territorial mandate, need and the problems faced by the regional institutes. The Member secretary also specifically pointed out the significant role of RPC in shaping the research priority and requested the member to contribute in streamlining the project proposals by recommending or rejecting after a thorough analysis. He also placed the **Proceedings of V RPC** for confirmation. The same was confirmed unanimously.

Shri. G.K. Prasad, Chairman, D.G ICFRE, while inaugurating the VI-RPC, emphasized on the following two important issues for effective and sustainable utilization of ICFRE finance to contribute to the national forestry research.

- **the need for concentration on the areas of priority for research and**
- **the financial requirement based on the fund availability**

The Chairman invited the Institutes Directors / Research Coordinators for Power Point presentation of the new Research proposals of their institute which were already approved by Research Advisory Group (RAG) committee of their institute. They were requested to follow the order as in the document, “**NEW RESEARCH PROJECTS OF ICFRE INSTITUTES PLACED FOR APPROVAL BEFORE VI RPC 2005**”. This document was provided to all the RPC members well in advance and is in the order of descending average index score.

Dr R.L Srivastava, Director AFRI started the presentation for his institute for five new research projects. All the five projects were discussed at length. One project was suggested for external funding and other four were approved with slight modifications. The status of the projects approved / rejected is shown in **Table 1** for all the Institutes.

After him **Shri K. K. Chaudhary, Incharge Director FRI** presented 15 new research proposals. He also made one presentation on “**Effect of Pine and oak forests on agricultural crops**”. This project was suggested by Shri Chandi Prasad Bhatt, of Chipko movement during the **ICFRE Society Meeting**. The budget for this project was approved for Rs.5.00 lac.

Followed by this **Dr. K.S. Kapoor, Coordinator (Research), HFRI Shimla** presented four new research projects of his Institutes followed by **Shri T.Gunasekaran, Director IFGTB, Coimbatore** who presented ten new research projects.

Due to his urgent assignments at MoEF, the Chairman, nominated **Shri. B.S. Sajwan**, the Deputy Director General, Extension, ICFRE, to chair the session on 2nd May, 2005.

On 2nd May, 2005, the Chairman, Shri. B.S. Sajwan, the DDG, Extension invited the Directors of Institute of Forest Productivity, Ranchi; Institute of Wood Science & Technology, Bangalore; Rain Forest Research Institute, Jorhat and Tropical Forest Research Institute, Jabalpur to present the new research proposals for their respective Institutes. These projects were already screened in through the RAGs of their Institutes.

A total of seventy projects were discussed in detail in VI-RPC. After a thorough discussion on various issues including the expertise, technicality, thrust area, priority mandate and need for collaboration, the proposals were analysed and vetted. A total of fifty four (54) proposals were finally approved by this RPC. The recommendations and suggestion for each project for all the Institutes is given in **Annexure II**. Number of Projects : Final Position at a Glance is given as **Annexure III**.

During discussions in the meeting few points in common emerged, which are given below:

- **Objectives for the research proposal should be focussed, less in number and to be achievable within the time proposed for the project.**
- **Salaries of the Principal investigator and associates, should not be included in the budget part.**
- **Provision for the JRF, SRF and vehicles are not feasible.**
- **Botanical names should be given with authors.**
- **Review of Literature and past work done is to be highlighted.**
- **Purchase and Repair of equipment desired under projects may be asked from other Institutes, if can be spared by them.**
- **Jatropha projects of the institutes will be separately coordinated among all the Institutes by DDG(R), who will be the technical coordinator for Jatropha**

Dr. M.N Jha, Scientist (Retd.) emphasized the need for specific proposals with the aim to achieve the regional, national and global issues.

Dr. Pokhriyal, Scientist (Rtd), suggested that the research proposals should not only address applied research but also basic research for strong reasoning .

The VI RPC meeting ended with vote of thanks by ADG Planning & Programme, especially mentioning the continuous and tireless involvement of Dr. Sushma Mahajan, Scientist D and entire staff of Planning & Programme Division.

Annexure - I

PARTICIPANTS OF VI RESEARCH POLICY COMMITTEE (RPC) MEETING HELD AT ICFRE H.Q. DEHRADUN 1st & 2nd May 2005

RPC MEMBERS		
1.	Shri G.K Prasad	D.G., ICFRE, Chairman
2.	Shri B.S Sajwan	DDG (Extension), ICFRE, Dehra Dun
3.	Shri M.S. Garbyal	DDG(Admin), ICFRE, Dehra Dun
4.	Shri A.K Rana	DDG (Education), ICFRE, Dehra Dun
5.	Dr. Shashi Kumar	DDG (Research) & Member-Secretary ICFRE, Dehra Dun
6.	Shri K.K Chaudhuri	Director, FRI, Dehra Dun
7.	Dr. R.L Srivastava	Director AFRI, Jodhpur
8.	Shri T. Gunasekaran	Director IFGTB, Coimbatore
9.	Dr. K.S Shadshidhar	Director IWST, Bangalore
10.	Shri Elusing Meru	Group Co-ordinator (Res.) RFRI, Jorhat
11.	Shri Krishnamurti	Director IFP Ranchi
12.	Shri Surinder Kumar	Director HFRI Shimla
13.	Dr. A.K Mandal	Director TFRI Jabalpur
14.	Dr. A.K Gupta	Professor, Wild life Institute of India, Dehra Dun
15.	Dr. S. Kumar	Jt. Director Botanical Survey of India, Dehra Dun
16.	Dr. V.K Dadhwal	Dean, Indian Institute of Remote Sensing, Dehradun
17.	Dr. M.N Jha	Retd, Scientist, FRI, Dehra Dun
18.	Dr. T.C Pokhriyal	Retd. Scientist, FRI, Dehra Dun
19.	Shri Mudit Kumar Singh	ADG (Planning & Programme), ICFRE, Dehra Dun
OTHERS		
20.	Dr. S.P. Singh	Secy. ICFRE, Dehra Dun
21.	Dr. Mehar Singh	ADG (M&P), ICFRE, Dehradun
22.	Dr. K.S. Kapoor	Co-ordinator (Research), HFRI, Shimla
23.	Dr. A.N. Shukla	Head, Pathology Division, FRI, Dehra dun
24.	Dr. Mohinder Pal	Head, Botany Division, FRI, Dehradun

25.	Dr. Rameshwar Dayal	Head, Chemistry Division, FRI, Dehradun
26.	Dr. (Mrs.) P. Soni	Head, Ecology & Environment Division, FRI, Dehradun
27.	Dr. H.S. Ginwal	Head, G&TP Division, FRI, Dehradun
28.	Shri V.K. Jain	Head, Forest Products Division, FRI, Dehradun
29.	Dr. N.S. Bisht	Head RS&M Division FRI, Dehradun
30.	Dr. S.P. Rayal	Head, Engg. Cell, FRI, Dehradun
31.	Dr. S.B Singh	Head, FSLR Division, FRI, Dehradun
32.	Sh. Deepak Khanna	Head, Extn. Division, FRI, Dehradun
33.	Dr. A.K Hooda	Group Co-ordinator, FRI , Dehradun
34.	Dr. K.S. Bhandari	Scientist-F, ICFRE, Dehradun
35.	Sh. B.K. Bhatia	Scientist-F, ICFRE, Dehradun
36.	Dr. R.S. Bhandari	Scientist-F, FRI, Dehradun
37.	Shri A.K. Rai	Scientist-F, ICFRE, Dehradun
38.	Dr. Rita Dhawan	Scientist-E, ICFRE, Dehradun
39.	Dr. Sushma Mahajan	Scientist-D, ICFRE Dehradun
40.	Dr. V. Jeeva	Scientist-C, ICFRE, Dehradun (Rapporteur)
41.	Shri Neelesh Yadav	Scientist B, IT Cell, Dehradun (Rapporteur)
42.	Shri Jitendar	Scientist-B, IT Cell, ICFRE, Dehradun (IT arrangements)

Annexure - II

INSTITUTE-WISE STATUS OF PROJECTS

ARID FOREST RESEARCH INSTITUTE, JODHPUR

Sl. No.	Project title/ Name of the P.I., Duration & Budget	Recommendations of RPC
1.	Productivity and biometrics studies on some important species in arid and semi-arid regions of Rajasthan for their sustainable management Dr. V.P. Tewari, 5 years Rs. 19.25 Lac	Not Approved Suggested to explore the possibility for external funding
2.	Developing strategies and methodologies for extension of forestry research technologies in semi-arid and arid areas. Shri C.S.Dange, I.F.S., 4 years Rs. 78.00 Lac	Approved Suggested to give only one objective and resubmit with revision
3.	Development of Sustainable Models for Eco-restoration of Degraded Community Lands in Thar Desert. Dr. B.M. Dimri 5 years Rs. 56.76 Lac	Approved Based on the out come of the project, if required, shall be extended further as the time proposed is too short for Eco-restoration study.
4.	Survey, evaluation and identification of potential insect pests and diseases and their management of important medicinal plants grown in arid and semi-arid regions. Dr. S. I. Ahmed 3 years Rs. 4.45 Lac	Approved Project title shall be modified and resubmitted.
5.	Relative resistance of Neem provenances to insect pests and mites and their bio management in arid areas. Dr. S. I. Ahmed 2 years Rs. 9.92 Lac	Approved Suggested to modify the budget for the research related component.

FOREST RESEARCH INSTITUTE, DEHRADUN

Sl. No.	Project title/ Name of the P.I., Duration & Budget	Recommendations of RPC
1.	Studies on soil geological and linkages with different forest communities for sustainable management of Uttaranchal forests. Dr. A.K.Raina 3 years Rs.2.30 Lac	Approved Suggested to establish links with National Remote Sensing Institute for better results.
2.	Effect of <i>Populus deltoides</i> on shade loving medicinal plants” Shri Deepak Khanna 3 years Rs. 2.70 Lac	Approved with modification Suggested to consult the list of priority species by the NMPB for selection of medicinal plants of Uttaranchal for the proposed study. Studies under open canopy and closed canopy shall be undertaken.
3.	Technology development for commercial production of bamboo charcoal. Sh. M.Z. Singson 3 years Rs. 4.70 Lac	Not approved Suggested to explore the possibility for external funding including the Technological mission on Bamboo & DST.
4.	Velocity gradient induced single glass modified solar kiln for drying of timber and NWFPs. Shri N.K. Upreti, 3 years Rs. 2.05 Lac	Approved.
5.	Bending and compression properties of small diameter round plantation timbers. Shri Rajesh Bhandari, 3 years Rs. 2.70 Lac	Approved.
6.	Development and multiplication of superior bioactive clones of <i>Stevia reba</i> Dr. A.K. Sharma 3 years Rs. 4.15 Lac	Approved Suggested for extensive review of literature. It is also suggested to establish coordination

		with genetics division of FRI for breeding programme, consult Division of Biotechnology IHBT, Palampur and USA Bangalore.
7.	Assessment of the wood quality parameter in seed raised plantation of different age series of <i>Dalbergia sissoo Roxb.</i> Dr. P.K. Pande 3 years Rs. 0.90 Lac	Approved To modify the title based on the objective Suggested to include different dbh for wood quality assessment.
8.	Effect of Ammonia Fumigation on glue line strength of plywood from plantation species. Shri D.P. Khali, 2 years Rs. 0.90 Lac	Approved Suggested to consult plywood industry – IPRITI to avoid duplication.
9.	Tree-crop interactions: <i>Effect</i> of Melia on crops. Shri Deepak Khanna 6 years Rs. 10.00 Lac	Approved.
10.	Effects of different plantations on soil properties and carbon store. Dr. M.K. Gupta, 3 years Rs. 1.50 Lac	Approved.
11.	Studies on effect of plank width on drying rates and seasoning degrades with special reference to low girth plantation species. Shri N.K.Upreti, 2 years Rs. 1.09 Lac	Approved Budget is for Rs.1.19 lac for two years.
12.	Soil and Vegetation Survey and Preparation of Pedonarium in New Forest Estate. Dr. S.D. Sharma 3 years Rs. 2.60 Lac	Approved.

13.	Prediction of plants for plantation on a soil base on cationic properties of soil and plant. Dr. S.B. Singh, 2 years Rs. 1.2 Lac	Approved.
14.	Genetic evaluation of selected genotypes for exploring clonal forestry potential in <i>D.sissoo</i> Dr. Ashok Kumar 4 years Rs. 4.0 Lac	Approved Budget is for Rs.2.9 lacs for three years.
15.	Establishment of Breeding Arboretum of Eucalyptus and Production of Interspecies Hybrids. Ms.Parveen 2 years Rs. 1.20 Lac	Approved Budget is for Rs.2.95 lacs for five years
16	Effect of Pine and Oak Forest on agriculture crops . Shri Deepak Khanna, Extension Division 3 years Rs. 5.0 Lac	Approved Suggested to design the objective and the research strategy in consultation with Shri. Chandi Prasad Bhatt.

HIMALAYAN FOREST RESEARCH INSTITUTE, SHIMLA

Sl. No.	Project title / Name of the P.I., Duration & Budget	Recommendations of RPC
1.	Allozyme variation in natural Populations of Deodar (<i>Cedrus deodara</i>) Dr. Rajesh Sharma, 3 years Rs. 7.85 Lac	Approved Molecular level studies shall also be initiated in collaboration with FRI.
2.	Survey to assess the ecological status and distribution of rhododendrons in Himachal Pradesh Shri Vaneet Jishtu, 5 years Rs. 6.05 Lac	Not Approved Suggested to explore the possibility for external funding.
3.	Mycorrhizal association in selected temperate medicinal plants of Himachal Pradesh Shri Ashok Kumar, 3 years Rs. 2.75 Lac	Approved Suggested to consult the prioritized list of NMPB for Himachal to short list the species.
4.	Survey, biology and control of insect pests of important medicinal plants in Himachal Pradesh Shri Ranjeet Singh, 5 years Rs. 3.10 Lac	Approved.

INSTITUTE OF FOREST GENETICS & TREE BREEDING, COIMBATORE

Sl. No.	Project title / Name of the P.I., Duration & Budget	Recommendations of RPC
1.	Evolving silvicultural practices for <i>Casuarina junghuhniana</i> ssp. <i>Timorensis</i> Shri. M.Maria Dominic Savio, 4 years Rs. 3.40 Lac	Approved.
2.	Studies on seed handling and storage behaviour of important NTFP species Smt. Anandalakshmi, 3 years Rs. 3.00 Lac	Approved Shortlist the NTFP species based on the priority
3.	An In-depth Assessment of Sacred Groves- The Only Remnants of Evergreen Forests in Alappuzha District, Kerala Shri Kannan C.S. Warriar, 3 years Rs. 2.90 Lac	Approved Title needs to be modified
4.	Evaluation and Characterization of <i>Jatropha curcas</i> seed sources Shri A.Anil Kumar, 3 years Rs. 3.30 Lac	Not Approved A separate meeting is being held with DDG®, to establish coordination among the institute.
5.	Assessment of seed quality in seed orchards of Acacia, Casuarina and Eucalyptus Shri N.P.Mahadevan, 3 years Rs. 3.00 Lac	Not Approved.
6.	Studies on the Diversity of Bee Fauna of the Nilgiris Shri K.R. Shasidharan, 3 years Rs. 3.57 Lac	Approved Consult TNAU to avoid duplication.
7.	Studies on the population structure and reproduction of <i>Pterocarpus marsupium</i> and <i>Pterocarpus santalinus</i> in Tamil Nadu and Kerala Shri M.Maria Dominic Savio, 3 years Rs. 4.65 Lac	Approved with modification Suggested to take up one species <i>Pterocarpus marsupium</i> , with less of outlay accordingly modify the long-term objective with specific target and short-term objectives. The modified proposal

		should be resubmitted.
8.	<p>Identification of conserved motifs in genes conferring salt tolerance to develop strategies for gene isolation from salt tolerant tree species</p> <p>Shri.Mathish N.V. 3 years Rs. 1.35 Lac</p>	Approved.
9.	<p>Genetic improvement of <i>Acacia auriculiformis</i> through half-sib progeny selection</p> <p>Dr. Maheshwar Hegde 5 years Rs. 6.75 Lac</p>	<p>Approved</p> <p>Suggested to modify the proposed study as it is not for second generation but for 1.5 generation, accordingly need to modify or select second-generation population for the study.</p>
10.	<p>Genetic improvement of teak through Selection, Evaluation and Conservation in Tamilnadu</p> <p>Dr.K.Palanisamy 5 years Rs. 7.90 Lac</p>	<p>Not Approved</p> <p>Tamil Nadu SFD shall be consulted to modify the objectives, to find out the gaps. Need for coordination with genetic expertise.</p>
11.	<p>Study of Ecology – Regeneration, population Structure and Evaluation of <i>Ailanthus excelsa</i> in Tamil Nadu,</p> <p>Sh. D. Rajasugunasekar, 4 Years Rs. 4.9 Lac</p>	Approved

INSTITUTE OF FOREST PRODUCTIVITY, RANCHI

Sl. No.	Project title / Name of the P.I., Duration & Budget	Recommendations of RPC
1.	Introduction, cultivation & evaluation of the performance of <i>Jatropha curcus</i> Linn. in JFM villages of Jharkhand & South West Bengal Shri.B.S Chandrashkar 3 years Rs. 9.70 Lac	Not Approved A separate meeting is being held with DDG®, to establish coordination among the institutes.
2.	Improvement of non-traditional Lac host plant using polyploidy technique. Dr. B.N. Divakara, 3 years Rs. 24.15 Lac	Not Approved Suggested to explore the possibility for external funding.
3.	Creation of seed database on economically important forestry species of Jharkhand, aiming at functioning of a forestry seed certification agency Shri Vijender P. Panwar, 5 years. Rs. 12.35 Lac	Approved.
4.	<i>In vitro</i> Conservation of Bamboo Genetic Resources. Dr. Animesh Sinha, 5 years Rs. 105 00 Lac	Not Approved Suggested to explore the possibility for external funding- from DBT, Bamboo Technology Mission.
5.	Preservation of indigenous traditional medicinal knowledge in Santhal Parganas and north Chotanagpur districts of Jharkhand Dr. M. Ray, 3 years Rs. 07.43 Lac	Not Approved Title needs to be modified; Documentaion and inventorization of indigenous traditional medicinal knowldge in selected districts of Jharkhand to be done. Clubbing with projects at S.No. 7 “Medico ethnology of selected South Chhonagpur districts of Jharkhand” of original document by Dr. Divakara. Also to consult BSI to avoid duplication. Modify and explore the possibility for funds from NMPB.

6.	Phyto-sociological Analysis of Selected Forest of Dalma Wildlife Sanctuary, Jamshedpur, Jharkhand. Dr. B.N. Divakara, 2 years. Rs. 4.89 Lac	Not Approved Suggested for exploring the possibility for external funding
7.	Medico ethnology of selected South Chhonagpur districts of Jharkhand. Dr. B.N Divakara, 3 Years Rs. 10.65	Clubbed with project at S.No. 5
8.	Identification of Visual Nutrient Deficiency Symptoms for some Common Forest Species of Jharkhand Dr. S. Nath, 3 years. Rs. 12.45 Lac	Approved Suggested to modify the budget for the research related component. Priority list of species to be studied. Also include one bamboo species.
9.	Vulnerability Assessment of climate change and development of adaptation strategies to compact the impact on Seed and Biomass Production in Forest Trees & Herb's Sh.H.C. Sindhuveerendra, 4 years. Rs. 07.05 Lac	Approved Title of the project needs change, as the proposed objective is to study the effect of pollutants not for climate change. Accordingly the objectives need modifications, to address the effect of pollutants. The Strategies to be developed is to combat, not compact.

INSTITUTE OF WOOD SCIENCE & TECHNOLOGY, BANGALORE

Sl. No.	Project title/Name of the P.I., Duration & Budget	Recommendations of RPC
1.	Studies on seed source variation, determination of age of the trees and establishment of germplasm bank in sandal Shri A.N.Arun Kumar 3 years Rs. 3.10 Lac	Approved.
2.	Screening and evaluation of wild varieties of <i>Emblca officinalis</i> fruit in various agro-climatic zones of Western Ghats. R. Ezhumalai, 3 years Rs. 1.65 Lac	Approved.
3.	Assessment of seed quality in unimproved populations, seed production areas and seed orchards of <i>Tectona grandis</i> . Dr. Geeta Pandey, 2 years Rs. 0.90 Lac	Approved.
4.	Studies on age related durability of plantation grown timbers Shri H.C.Nagaveni, 4 years Rs. 2.07 Lac Species – <i>Acacia auriculiformis, A.mangium, Grevillea robusta, Eucalyptus terreticornis, Maesopsis eminii, Melia dubia, Ailanthus malabaricum</i> and <i>excelsa</i>	Approved.
5.	Standardization of anti-leaching treatment for <i>Pterocarpus marsupium Pterocarpus soyauxii</i> and <i>Intsia</i> spp. Shri Anil Kumar Sethy 2 years Rs. 1.25 Lac	Approved The anti-leaching agent for the treatment should be eco friendly.
6.	Extraction and separation of Chemical constituents of <i>Dysoxylum malabaricum</i> Bedd. Wood. Shri Sanjai Mohan, IFS 3 years Rs. 1.49 Lac	Approved.

RAIN FOREST RESEARCH INSTITUTE, JORHAT

Sl. No.	Project title / Name of the P.I., Duration & Budget	Recommendations of RPC
1.	Development of nursery practices for production of quality planting stock of Bamboos in Northeast India. Shri Ravi Horo 3 years Rs. 1.54 Lac	Approved.
2.	Management of <i>Bambusa nutans</i> for enhancing the productivity of marketable culm through silvicultural practices. Dr. K Panneer Selvam 3 years Rs. `1.49 Lac	Approved Suggested to reduce the treatment number based on the plot size and study to standardize methods only for thinning and mounding. Modify the Financial part accordingly by reducing it..
3.	Comparative studies on natural resistance of bamboos in Assam. Shri D. Gurung 3 years Rs. 2.19 Lac	Approved.
4.	The Potential role of bamboos species with reference to carbon sequestration in Assam and Mizoram. Shri H.N Dhungana 3 years Rs. 2.50 Lac	Approved Suggested to incorporate below ground biomass for carbon sequestration. The last objective shall be modified to delete fluxes.
5.	Bio-ecological studies of seed insect pests of <i>Dipterocarpus retusus</i> and their natural enemies in Rain Forest Eco-system. Dr. N. Senthikumar 3 years Rs. 1.26 Lac	Approved Suggested to delete the first and last objective.
6.	Diversity and dynamics of <i>Arbuscular Mycorrhizal</i> fungi and their influences on biomass production of some medicinal and aromatic plant of Assam. Shri R.K Kalita 3 years Rs. 2.81 Lac	Approved Suggested to target only for five MAPs of priority species. Suggested to modify the budget accordingly.

7.	<p>Studies on structural formation of vegetation for the conservation of Hoolock Gibbon (<i>Bunopithicus hoolock</i>) in Gibbon Wild Life Sanctuary, Assam.</p> <p>Shri S.S Jain 3 years Rs. 1.50 Lac</p>	<p style="text-align: center;">Approved</p> <p>Suggested to modify the project title to delete Hoolock Gibbon. Suggested to focus the project towards the canopy species that are targeted by the Gibbon, development of corridor to improve the productivity of canopy for effective conservation of plant and animal component.</p> <p>Suggested to consult Wild life Institute of India for more specific study in relation to plant conservation.</p>
8.	<p>Studies on Mycofloral diseases of commercially important tree borne oil seed and their management with special reference to Arunachal Pradesh.</p> <p>Shri Rajesh Kumar 3 years Rs. 3.35 Lac</p>	<p style="text-align: center;">Not Approved</p>

TROPICAL FOREST RESEARCH INSTITUTE, JABALPUR

Sl. No.	Project title / Name of the P.I., Duration & Budget	Recommendations of RPC
1.	Standardization of sustainable harvesting practices of <i>Terminalia arjuna</i> bark Dr.A.K.Pandey 3 years Rs. 4.50 Lac	Approved Change the title to “Standardization of sustainable bark harvesting practices of <i>Terminalia arjuna</i>” The Financial part has been modified to Rs. 1.50 lac.
2.	Sustainable management of medicinal plants in JFM areas in different agro-climatic zones of Madhya Pradesh Shri S.P.Tripathi, IFS 5 years Rs. 11.00 Lac	Approved Suggested to stick on to the objectives agreed during the RPC. Financial budget proposed is Rs. 2.70 lacs. Medicinal plants shall be short listed as per the priority.
3.	Investigation on the development of Tasar Silkworm culture as a bio-resource for forest dwellers of Madhya Pradesh Dr. N. Roy Choudhury 5 years Rs. 3.5 Lac	Not Approved Suggested for exploring the possibility for external funding-Central Silk Board. Suggested for modification and submission for next RPC.
4.	Evaluation of provenance of <i>Jatropha curcas</i> at CFRHRD, Chhindwara (M.P) Dr. D.L.Nandeshwar 4 years Rs. 1.36 Lac	Not Approved A separate meeting is being held with DDG®, to establish coordination among the institute. For External Funding
5.	Studies on edible potential of some Indian Bamboo shoots Dr. Vishakha Kumbhare 3 years Rs. 2.00 Lac	Not Approved Modify the title to “Studies on some of potential edible Indian Bamboo shoots” . Suggested to explore the possibility for external funding in collaboration with regional university.
6.	Standardization of nursery techniques of <i>Strychnos nux vomica</i> and <i>Strychnos potatorum</i> Dr. S.D. Sonbkar 3 years Rs. 5.00 Lac	Approved Financial part has been modified to Rs. 2.00 lac.

7.	Studies on forest dwelling braconids (<i>Hymenoptera:braconidae</i>) from central India and their role in biological control of important forest insect pests Dr. Mohd. Yusuf 3 years Rs. 6.00 Lac	Approved. for Rs. 2.7 Lac
8.	Application of efficient Azospirillum in forestry species Dr. R.K.Verma 2 years Rs. 16.6 Lac	Not Approved The title was different from that of RAG proposed project.
9.	Effect of microbial inoculants on growth and productivity of Safed musli (<i>Chlotophytum borivillianum</i>) Dr. Jamaluddin 2 years Rs. 9.07 Lac	Approved With additional study of role of potassium. The financial part has been modified to Rs. 1.50 lac.
10.	Evaluation, modification and value addition of starches of forest origin Dr. Abha Rani 3 years Rs. 30.00 Lac	Approved Suggested to list the species that are to be studied. Forest produce needs to be identified and listed. Accordingly modify title, objective and submit for with reduced outlay of Rs. 9.00 Lac
11.	Documentation of traditional knowledge on ethno-medicinal uses from tribal herbal healers, vaidyas, ojhas & guniyas in Central Madhya Pradesh Dr. Rajiv Rai, 3 years Rs. 3.79 Lac	Approved Suggested to select the tribal areas that are not covered by any earlier study. Directed to consult IIFM,Bhopal to avoid duplication & with reduced funding of Rs. 1.65 Lac.
12.	Study on plant diversity in Sal-Teak Ecotome Zone as influenced by ecological and climatic change Dr. D.K. Shadangi 4 years Rs. 27.73 Lac	Approved The Financial part has been modified to Rs. 2.20 lac. Suggested to increase duration if required.

Annexure - III

NUMBER OF PROJECTS: FINAL POSITION AT A GLANCE

Sl. No.	Name of the Institute	Placed before RPC	Approved by RPC	Ongoing projects
1.	Arid Forest Research Institute, Jodhpur	5	4	28
2	Forest Research Institute, Dehradun	16	15	51
3	Himayalan Forest Research Institute, Shimla	4	3	22
4	Institute of Forest Genetics & Tree Breeding, Coimbatore	11	8	19
5	Institute of Forest Productivity, Ranchi	9	3	17
6	Institute of Wood Science & Technology, Bangalore	6	6	63
7	Rain Forest Research Institute, Jorhat	8	7	14
8	Tropical Forest Research Institute, Jabalpur	12	8	33
	Total	71	54	247