

**National Council of Educational Research and Training
New Delhi**

**Minutes of the 50th Meeting of the Programme Advisory Committee (PAC)
of NCERT held on 4-5 March 2013**

The 50th meeting of the Programme Advisory Committee (PAC) of National Council of Educational Research and Training (NCERT) was held on 4-5 March 2013 in Room No. 202, CIET Building, NCERT, New Delhi. The meeting was chaired by Prof. Parvin Sinclair, Director, NCERT. The list of persons who attended the meeting is placed at Annexure – I.

The meeting commenced with a word of welcome by Prof. A.K. Srivastava, Head PMD. He mentioned about the constitution and functions of PAC. He informed the members that 250 programme proposals, put up by different constituents of NCERT for consideration of the PAC, have earlier been recommended by different committees, such as Departmental Advisory Boards (DABs) and Academic Committee (AC) in the case of NIE departments, Institutes Advisory Boards (IABs) and Management Committees (MCs) in the case of RIEs, and Institutes Advisory Boards (IABs) in the case of Central Institute of Educational Technology and Pandit Sunderlal Sharma Central Institute of Vocational Education. In case of programme proposals of NIE Departments/Divisions/Cells, these have already been thoroughly discussed in Academic Committee Meeting held on 4-5 February 2013. He also informed the members that research proposals are to be sent separately to ERIC for consideration. Therefore, only developmental, training, extension and some programmes related to monitoring aspects will be considered during the two days of PAC.

In her initial remarks, Prof. Parvin Sinclair, Director NCERT and Chairperson PAC welcomed the members and highlighted the followings for consideration of the members.

- a. The PAC is an academic body which looks into the academic aspects of the programmes proposed by different constituent units of NCERT. The financial aspects and requirement of HR of the various programme proposals will be examined separately by a committee.
- b. The PAC will only examine development, training, and extension programmes. The research programmes should be submitted to ERIC. These programmes need to be inter-departmental, and inter-disciplinary in nature.
- c. Each RIE need to identify nodal persons for programmes under SSA, RMSA, Achievement Survey etc. It would be the responsibility of nodal persons to carry forward the programmes concerning these areas.
- d. It has been clarified from time to time that programmes should be organized from the beginning of the financial year and should be spread throughout the year. Whatever budget is spent till 31st December, the government provides only one-fourth of the same for the period from January to March. So, each constituent should make attempt to uniformly distribute the programmes during each quarter of the year.
- e. The certificates/diploma courses should be made self financial in nature. Also, expenditure in respect of the programmes proposed to be organized at the request of State Governments should be met by the respective State Government.

- f. We need to work out towards offering programmes through distance and online mode.
- g. All NCERT journals should be put in online format with effect from April 1, 2013.

Thereafter, the PAC took the item-wise agenda for discussion. The details of the discussion are given below:

Agenda 1: To confirm the minutes of the 49th PAC meeting held on 16-17 March 2012
The minutes were confirmed.

Agenda 2: To report the action taken on the minutes of the 49th PAC
The actions taken were noted.

Agenda 3: To ratify the programmes approved by Chairperson, PAC since 49th PAC meeting

The PAC ratified the following programmes approved by the Chairperson, PAC since the 49th PAC held on 16-17 March 2012:

1. Meeting on Quality in School Education
2. Review Meeting of 4 years Integrated Course of RIEs
3. Meeting of the History Textbook Development Committee
4. Advisory Committee Meeting for Minority Cell

Agenda 4: To consider and recommend the programme proposals of NIE departments at New Delhi.

Prof. Hukum Singh, Dean (Academic) presented the programme proposals of NIE Departments, which were earlier recommended by the Academic Committee in its meeting held on 4-5 February 2013. The Department-wise recommendations of the programme proposals of PAC for 2013-14 are given below:

Department of Education in Arts and Aesthetics (DEAA)

The following programmes were recommended:

- 23.01: Development of Video Series on Arts Education at Elementary Stage
- 23.02: Development of Teacher's Handbook on Implementation of Art Integrated Learning at Primary level of School Education
- 23.03: Teacher's Handbook in Dance, Music and Theater Supported with a Multimedia Package
- 23.04: Orientation of Master Trainers on AIL at Primary level of School Education
(A collaborative effort of NCERT & British Council in India)
- 23.05: Capacity Building of Master Trainers in Arts Education in Jawahar Navodaya Vidyalayas
- 23.06: Capacity Building of Master Trainers in Arts Education for Schools in Scheduled Castes Dominated Areas
- 23.07: Resource Centre Events of Arts and Crafts

Department of Elementary Education (DEE)

The following programmes were recommended:

- 1.01: Development of a booklet on “Active Play for young children”
- 1.02: Post Graduate Diploma Course in Early Childhood Care and Education (PG Diploma in ECCE) in a Distance/online mode
- 1.03: Publication of children’s magazine ‘*Firkee Bachchon ki*’
- 1.04: Development of Learning Material for Special Training of Children admitted to Age Appropriate Classes under RTE Act.
- 1.05: Capacity building of Key Resource Persons (KRPs) of States and UTs to go beyond textbooks in EVS.
- 1.06: Awareness Programme for Key Functionaries of SSA on the Guidelines for Special Training of Out-of-School Children under RTE Act 2009 (*Eastern and North-Eastern States*)
- 1.07: Certificate course in Early Literacy
- 1.08: Orientation Programme for Key Resource Persons regarding Language Teaching in NCERT Textbooks at the Elementary Stage
- 1.09: Academic support to IIT Nursery School: An experimental school of the NCERT
- 1.10: Publication of the Journal: '*The Primary Teacher*'
- 1.11: Publication of the Journal: '*Prathmik Shikshak*'
- 1.12: National Documentation Unit for elementary education-A Resource Centre

Department of Education of Groups with Special Needs (DEGSN)

The following programmes were recommended:

- 03.01: Development of Ethnographic Profile of Tribal People with a focus on their Educational Needs
- 03.02: A Manual on RTE Act from the perspective of Children with Special Needs
- 03.03: Development of Audio-visual materials for School Management Committee (SMC) on Inclusive Education at Elementary Stage
- 03.04: Activities of Minority Cell
- 03.05: Orientation Programme for Key Resource Persons (KRPs) of North-eastern States on development of Individualized Education Programme (IEP) in school subject areas.
- 03.06: Special needs of children from disadvantaged groups studying in secondary schools: An exploratory study
- 03.07: Orientation programme for master trainers/ key resource persons for enhancing quality of education at elementary level in schools
- 03.08: Development of indicators for effective implementation of RTE Act, 2009 with special reference to the socially disadvantaged groups
- 03.09: Orientation programme for teacher educators working in the minority concentrated areas

Department of Education in Languages (DEL)

The following programmes were recommended:

- 2.01: Revision of the book titled '*History of Sanskrit Literature*'
- 2.02: Development of Audio/Video programmes on CCE for Language at Elementary Stage.
- 2.03: Development of Video programmes on teaching of Hindi at Secondary and Higher Secondary stage.
- 2.04: Development of Language Education kits in English and Urdu for primary stage
- 2.05: Orientation programme for master trainers in Hindi for Upper Primary and Higher Secondary Stage.
- 2.06: Orientation of Master Trainers in English at Primary, Upper Primary and Higher Secondary stages.
- 2.07: Orientation programme for master trainers in Urdu from primary to higher secondary stage.
- 2.08: Orientation programme for master trainers in Sanskrit from Upper Primary to Higher Secondary Stage
- 2.09: Certificate course in Sanskrit for Hindi and other language teachers teaching Sanskrit at Upper Primary and Secondary Stages
- 2.10: National Meet on Tribal, Minor, Minority Language Education in schools

Department of Educational Psychology and Foundations of Education (DEPFE)

The following programmes were recommended:

- 11.01: Optimizing Constructivist Approaches in Teacher Education: An Appraisal of Two year B.Ed. Curriculum of NCERT
- 11.02: Development of module/guidelines on guidance and counselling for the schools at secondary stage
Funds to be met from Adolescence Education Programme of DESS.
- 11.03: Translation of Self-Learning Modules for Diploma Course in Guidance and Counselling in Hindi
- 11.04: Development of a Multimedia Module on Peace Education as a Pedagogical Tool
- 11.05: Development of online materials for Diploma in Guidance and Counselling
- 11.06: Diploma Course in Guidance and Counselling (Distance/ Online and Face-to-Face)
- 11.07: Guidance and Counselling Interventions for psycho-social development in socially disadvantaged students and teachers
- 11.08: National Conference of State Functionaries in Guidance and Counselling
- 11.09: Capacity Building Programme for state level key personnel in Guidance and Counselling in North East Region
- 11.10: National Library of Educational and Psychological Tests (NLEPT).

Department of Education in Science and Mathematics (DESM)

The following programmes were recommended:

- 6.01: Development of Teacher's Handbook in Science at Upper Primary Stage – Class VIII (English and Hindi Version)
- 6.02: Development of Modules on Different Themes in Science for Lateral Entry at Upper Primary Stage (Hindi Version)
- 6.03: Development of modules on different themes in Mathematics for lateral entry at Upper Primary Stage (Hindi Version)
- 6.04: Development of Training Package in Physics at Higher Secondary Stage
- 6.05: Development of Training Package in Chemistry at Higher Secondary Stage
- 6.06: Development of Training Package in Biology at Higher Secondary Stage
- 6.07: Development of Training Package in Mathematics at Higher Secondary Stage
- 6.08: Development of Course Contents for Certificate Programme for Teaching of Elementary School Science (CTES)
- 6.09: Development of Resource Material on Management of Human Made Disasters
DESM should collaborate with PSSCIVE
- 6.10: Online interaction on GeoGebra
- 6.11: Mathematics of Planet Earth (MPE)-2013
- 6.12: *School Science – A Quarterly Journal*
- 6.13: Centre for Popularization of Science
- 6.14: State Level Science, Mathematics and Environment Exhibitions (SLSMEE) for Children
- 6.15: Jawaharlal Nehru National Science, Mathematics and Environmental Exhibition (JNNSMEE) for Children
- 6.16: Monitoring the Implementation of Environmental Education by all States/UTs in compliance with the Hon'ble Supreme Court's Order
- 6.17: Implementation of Environmental Orientation to School Education-2010 (EOSE-2010) Framework

Department of Education in Social Sciences (DESS)

The following programmes were recommended:

- 5.01: Development of Sourcebooks on Assessment in Social Sciences for Upper Primary & Secondary Stages
- 5.02: An Illustrated Reader on Great Thinkers of Modern India
- 5.03: Development of Exemplar Problems and Projects in Accountancy for the Post Graduate Teachers of Commerce (XI-XII)
- 5.04: Development of Geography kit and e-learning material in Geographical Information System (GIS) for teaching-learning of Geography
- 5.05: National Seminar on Economics Curriculum in Schools
- 5.06: Development of In-service Teacher Professional Development (ITPD) Package in Social Sciences for Secondary Stage (under RMSA funding)
- 5.07: Development of Textbook on '*Schooling, Socialization and Identity*'

- 5.08: Development of Textbook on ‘*Pedagogy of Social Sciences*’
- 5.09: Development of Refresher Course and Material for PGTs in Commerce
- 5.10: Development of Dictionaries of Economics, History, and Political Science for Schools (English-Hindi-Urdu)
- 5.11: Preparation of Textbook on Health and Physical Education for Secondary Stage (Hindi & Urdu Versions)
- 5.12: Development of Teacher’s Guide on Health and Physical Education for Upper Primary Stage
- 5.13: Development of Syllabus and Textbooks on Human Rights for Higher Secondary Stage
- 5.14: Development of Manual for Teachers and Teacher Educators of Political Science (Higher Secondary Stage)
- 5.15: An Evaluation Study of the National Population Education Project
To be funded by NPEP
- 5.16: National Project Progress Review Workshops of National Population Education Project (NPEP) and Adolescence Education Programme (AEP)
(Non-plan)
- 5.17: Development of New Materials in Population Education and Adolescence Education
(Non-plan)
- 5.18: Training of State Resource Persons in Population Education and Adolescence Education
(Non-plan)
- 5.19: Organization of Curricular Activities on Population Education and Adolescence Education
(Non-plan)

Department of Teacher Education (DTE)

The following programmes were recommended:

- 10.01: Refresher Course for Teacher Educators of College of Teacher Education (CTEs)
- 10.02: Publication of (i) *Journal of Indian Education (JIE)* and *Bhartiya Adhunik Shiksha (BAS)*
- 10.03: All India Competition on Innovative Practices and Experiments in Education for Schools and Teacher Education Institutions
- 10.04: Conference of Directors of SIE/SCERTs
- 10.05: Development of Masters of Education (M.Ed.) Curriculum

Department of Women Studies (DWS)

The following programmes were recommended:

- 4.01: Development of Course on Gender Issues in Education
- 4.02: Training Programme on Gender Issues in Education for RMSA Functionaries for the States of Uttar Pradesh, Haryana & Punjab
- 4.03: Training Programme for KGBV Teachers on Bridge Course and Teacher Training

Package for States of Gujarat, Maharashtra and Jammu & Kashmir

4.04: Training Programme on Gender Issues in Education for the Principals of Jawahar Navodaya Vidyalayas (JNVs)

Division of Educational Kits (DEK)

The following programmes were recommended:

- 24.01: Design and Development of Biology, Mathematics and Physics Kits for Higher Secondary Stage.
- 24.02: Design and development of low-cost, light-weight and environment friendly boxes for kit items
- 24.03: Orientation of Key Resource Persons of SCERTs/SIEs/RMSA/SSA on preparation and use of Science and Mathematics Kits
- 24.04: Apprenticeship Training

Division of Educational Research (DER)

The following programmes were recommended:

- 12.01: NCERT Doctoral Fellowship
- 12.02: Publication of *Indian Educational Review*
- 12.03 : Development of Digital Resources and organization of online course on Action Research
- 12.04: Capacity Building of Bihar Secondary School Teachers as facilitators in action research
To be funded by the State
- 12.05: Advocacy-cum-dissemination Meet (NCERT, SCERTs & selected DIETs) on current themes of Educational Research
- 12.06: Organising ERIC Activities: SPMC Meetings, and General Body Meeting of ERIC
- 12.07: Senior Research Associateship (Educationists'/Researchers' Pool Scheme) of NCERT

Educational Survey Data (ESD)

The following programmes were recommended:

- 8.01: Students Performance on Test Items in Different Subjects in National Achievement Survey at the End of Class V (Third Cycle) : Subject Reports
To be funded by MHRD
- 8.02: Development of CCE Scheme and its Implementation at Secondary Stage
To be funded by MHRD
- 8.03: National Achievement Survey at the End of Class V (Fourth Cycle)
To be funded by MHRD
- 8.04: Achievement Survey at the End of Class III (Third cycle)
To be funded by MHRD
- 8.05: Assessment of Learning Levels of Students at Secondary Stage (Class X) under RMSA

To be funded by MHRD

8.06: Achievement Survey at the End of Class VIII (Third cycle)

To be funded by MHRD

8.07: Eighth All India School Education Survey

To be funded by MHRD

8.08: Capacity Building Programmes for State Education Departments, Boards and SCERTs in Educational Surveys and Evaluation (Four Programmes)

8.09: Conduct of Nurturance Programmes for NTS Awardees

8.10: Implementation of the National Talent Search Scheme

(Non-plan)

Library Division and Documentation (LDD)

The following programmes were recommended:

20.01: Development of Textbook Archive at LDD

20.02: Networking of Libraries of LDD and constituents

(Non-plan)

Planning and Monitoring Division (PMD)

The following programmes were recommended:

21.01: Preparation of Annual Reports and Results Framework Document (RFD)

21.02: Training of DIET Faculty in Project Planning, Implementation, Monitoring and Evaluation

21.03: Monitoring and Evaluation of Programme Advisory Committee (PAC) Approved Programmes of NCERT

21.04: Consultative Meetings on Issues and Concerns in School Education for NCERT Programmes and Development of NCERT's Vision Document

RMSA Project Cell

The following programmes were recommended:

22.1: Development of Quality Monitoring Tools for the Secondary Stage of Education

To be funded by MHRD

22.2: Orientation of Principals of secondary schools on quality concerns in Secondary Education

To be funded by MHRD

22.3: National meet on assessment and examination practices at the secondary stage

To be funded by MHRD

SSA Programmes

Prof. Kiran Devendra, Head DEE presented the SSA programmes approved by PAB of MHRD. Followings are the department-wise list of the SSA programmes of different NCERT constituents. The funds for these programmes will be met from the grant received from MHRD:

Department of Elementary Education (DEE)

1. Organisation of National Resource Group (NRG) meetings for SSA.
2. Implementation of Quality Monitoring Tools in the context of RTE.
3. Implementation of Quality Monitoring Programme in 100 clusters of the country.
4. Academic support to States and UTs in implementing Continuous and Comprehensive Evaluation (CCE) at the elementary level.

Early Literacy Programme

1. Support to States & UTs to strengthen Early Literacy Programme.
2. Teachers' handbook on the processes of writing in a classroom.
3. Updating of list of selected children's literature and annotated bibliography.

Department of Education in Science and Mathematics (DESM): Group Arithmetic

1. Development of Hindi version of user manual of Mathematics Kit.
2. Development of Book of collection of Mathematical games, puzzles etc.
3. Tryout of Mathematics Kit in project schools.

Department of Education of Groups with Special Needs (DEGSN)

1. Development of exemplar material on curricular adaption, teacher training and CCE from the perspective of Inclusive Education.

Educational Survey Division (ESD)

1. Achievement Survey at the end of Class III (3rd Cycle) – ongoing.
2. Achievement Survey at the end of Class VIII (3rd Cycle) – carried over.
3. Achievement Survey at the end of Class V (4th Cycle) – New.

Other Programmes Approved by PAB

1. Grade-wise learning outcomes.
2. Teacher Performance Indicators in context of Section 24 of RTE Act, 2009.

RMSA Programmes

Dr. Ranjana Arora, I/c RMSA Cell presented the programmes of different constituents to be taken up under RMSA by NCERT. These programmes are subject to approval by the forthcoming PAB meeting of MHRD and will be taken up subject to receipt of funds from MHRD. Following is the list of the RMSA programmes of different NCERT constituents:

1. Analysis of Curricular Material.
2. Study of Classroom Processes with school based interventions.
3. Development of Teacher Support Package, CCE Scheme and Quality Monitoring Tools.

4. Capacity Building Programmes in Science and Mathematics, Social Sciences and Languages, Strengthening Inclusive Education at secondary stage in States/UTs: Regional Consultations.
5. Jawaharlal Nehru National Science, Mathematic and Environmental Exhibition (JNNSMEE) for Children.
6. State level science, mathematics and environmental exhibition for children.
7. Assessment of Learning levels of students of Secondary Level (Class X).
8. ICT Based Training Outreach.
9. Capacity Building of state RMSA functionaries for translating NCF-2005 perspectives in gender issues (U.P, Haryana and Punjab).
10. Training of Vocational Teachers on Teaching Skill Development. (under RMSA Scheme) (two programme).
11. Capacity Building Programme on Implementation of VEP and NVEQF for Directors, Dy. Directors, DVEOs and Principals.
12. Orientation of Principals of secondary schools on quality concerns in secondary education.
13. National meet on prevailing assessment and examination practices at the secondary stage.
14. A Study on Assessment of Training Programme undertaken in Social Sciences by Andhra Pradesh.

Agenda 5: To consider and recommend the programme proposals of CIET, New Delhi.

Prof. Rajaram Sharma, Joint Director, CIET presented the programme proposals for 2013-14. The recommendations of PAC are given below:

The following programmes were recommended:

- 13.01: Development and Dissemination of Educational Media Programmes
- 13.02: Development and Management of National Repository for Open Educational Resources (NROER)
To be partly funded by MHRD
- 13.03: Evaluation of ICT @ School Implementations and Organisation of National ICT Award for School Teachers
To be funded by MHRD and State Government
- 13.04: Development of Resources and Support for Web and Online Activities
- 13.05: Organisation of Contests, Exhibitions, Festivals and Media Club activities to Educational Technology
- 13.06: Development of ICT Curriculum

Agenda 6: To consider and recommend the programme proposals of PSSCIVE, Bhopal

Prof. R.B. Shivagunde, Joint Director, PSSCIVE presented the programme proposals for 2013-14. The recommendations of PAC are given below:

The following programmes were recommended. The Director desired that the list of RPs and participants in all the programmes should be submitted to her for clearance:

- 14.01: Development of Competency based Modular Curriculum for NVEQF levels 1-4 of

- Automobile, IT and IT enabled services, and Security (5 working group meetings)
- 14.02: Development of Teaching-Learning Material for vocational courses.
(Automobile, Security, and IT and IT enabled services) (6 working group meetings)
- 14.03: Training of Teachers' on developing pedagogical skills including Constructivist approach.
- 14.04: Competency Based Skill Training Programme in the area of Automobile, IT&ITES, Retail, and Security.
- 14.05: Awareness programme for implementation of VEP and NVEQF for all States
- 14.06: International Seminar on Emerging Trends in Technical and Vocational Education and Training- A Vision for 2020
- 14.07: NCERT Awards for Excellence in Vocational Education.-2012-13
The awardees to be selected based on presentation before a Jury
- 14.08: *Indian Journal of Vocational Education* – Bi-annual Journal (e-journal)
- 14.09: Publication of *Quarterly Bulletin on Vocational Education* (e-journal)
- 14.10: Extension Lecture Series.
- 14.11: Organisation of National Vocational Exposition - 2013
- 14.12: Development of Management Information System (MIS) for vocationalization of Secondary and Higher Secondary Education under NVEQF
- 14.13: Maintenance of PSSCIVE website.
(Rupees two lakhs only)
- 14.14: Post Graduate Diploma in Vocational Education (PGDVE).
(Only the development of programme cost will be met by PAC fund. The programme will be offered on self-finance basis)

Note: PSSCIVE should find space for programmes related to differently-abled persons.

Agenda 7: To consider and recommend the programme proposals of RIEs

I. Regional Institute of Education, Ajmer

The following programmes were recommended:

- 15.01: Environmental Education theme park for strengthening school education programmes and training of school children for generating environmental awareness
- 15.02: *eqLdqjkrk cpiu* % {ks=h; f'k{kk laLFkku] vtesj ds cgqn~ns';h; izk;ksfxd fo|ky; esa ,d o"khZ; izkjafHkd ckY;koLFkk f'k{kk dk vk;kstu*
The programme is to be put on hold till its research component is documented and cleared by the Director
- 15.03: Capacity Building of KRPs in Content, Pedagogy and Assessment in English at Secondary Level for the state of J & K
The programme to be taken up in collaboration with DEL and RMSA. To be organised by State funding.
- 15.04: Capacity Building of Science Teachers/KRPs in the development and use of teaching- learning material through ICT integrated pedagogy

To be organized in consultation with JD CIET.

15.05: Training of KRPs on Research Methodology

As the training package is already available, only training programme is to be organized.

15.06: Capacity Building programme for Science Teachers of minorities in the development and use of teaching-learning material through ICT integrated pedagogy at Elementary Level

Training package already developed may be used.

15.07: Capacity Building of KRPs belonging to SC dominated areas in teaching of Science in the light of NCF-2005 at secondary level

15.08: Capacity Building of KRPs of DIETs in Action Research for J&K and Rajasthan

15.09: Training of KRPs belonging to SC dominated areas in teaching of Science in the light of NCF-2005 at secondary level

Training package already developed by DEL may be used.

15.10: Capacity Building of KRPs belonging to SC dominated areas in teaching of Science in the light of NCF-2005 at secondary level

To be organized in states other than Rajasthan.

15.11: Capacity Building of KRPs belonging to SC dominated areas in teaching of Science in the light of NCF-2005 at secondary level

To be organized in states other than Rajasthan, preferably Uttarakhand. Training package already developed may be used.

15.12: Capacity Building of KRPs belonging to minority group in the understanding of NCF 2005 at Secondary Level

No need to organize planning meeting

15.13: Capacity Building of KRPs belonging to SC dominated areas in the understanding of NCF 2005 at Secondary Level

No need to organize planning meeting

15.14: Capacity Building of KRPs belonging to ST category in the understanding of NCF 2005 at Secondary Level

No need to organize planning meeting

15.15: Capacity Building of KRPs in Teaching of Urdu at Elementary Level (Rajasthan & JK).

To be organized by state funding

15.16: Capacity Building in Cartographic Techniques at Secondary level

To be organized in collaboration with DESS. Include GIS component in the programme.

15.17: Extension lectures of Eminent educationists

II. Regional Institute of Education, Bhopal

The following programmes were recommended:

- 16.01: Development of Activity based learning Material in Science for classes VI, VII and VIII
Funds to be provided by the State government
- 16.02: Development of activity based learning material in Science at secondary level.
Funds to be provided by the State government
- 16.03: Development of Training Package in Mathematics at Elementary Level
- 16.04: Review of Science textbooks at Secondary level
Funds to be provided by the State government
- 16.05: Development of online two year B. Ed. Programme (Through Online/Face to Face)
- 16.06: Development of Training material and formats on Internship in Constructivist Model
Material developed by DTE need to be consulted
- 16.07: Development of Training Package on Health and Physical Education including Yoga for Teachers and Teacher Educators of Physical Education
- 16.08: Development of Teacher's Handbook for Secondary Science Teachers
Consult the package developed by DESM.
- 16.09: Training Programme of KRPs of SC and ST dominated areas in the Pedagogy of Commerce subjects
- 16.10: A training programme on content and pedagogy for senior secondary Chemistry teachers of tribal schools
Only training programme is to be organized
- 16.11: Introduction of ECCE centre in Demonstration School
The programme is to be put on hold till its research component is documented and cleared by the Director
- 16.12: National Conference on 'Education at Crossroads'
- 16.13: Development of Bl.Ed programme
- 16.14: Launching of M.Sc.Ed (Life Sciences) Course
(Non-plan)

III. Regional Institute of Education, Bhubaneswar

The following programmes were recommended:

- 17.01: Development of Text Materials on Environment by Translating Books (Class-III & VI) from Bengali to English for Adaptation in the Eastern Region
To be funded by the State government
- 17.02: Assessment of Training Needs and Development of a Training Package for Primary School Teachers
To be undertaken in collaboration with DEE and DTE
- 17.03: Development of Resource Materials on Right to Free and Compulsory Education Act, 2009 (RTE Act, 2009)
- 17.04: Development of Training Inputs/Modules for Special Need Training in Upper Primary Level
- 17.05: Capacity Building of KRPs on Action Research in School Education
To be funded by State Government

17.06: 21-days Capacity Building Programme for D. M. School Teachers for ICT Integration in Content and Pedagogy
Use material prepared by CIET.

17.07: Blossoming infancy [Early Childhood Care and Education (ECCE) Centre in Demonstration Multipurpose School]
The programme is to be put on hold till its research component is documented and cleared by the Director

17.08: Development of Resource Material for Professional Development of Academic Staff Members
To be undertaken in collaboration with all Constituents of NCERT

17.09: Development of B.A. B.Ed programme

IV. Regional Institute of Education, Mysore

The following programmes were recommended:

18.01: Development of question bank in Science at Secondary stage for Karnataka state
To be funded by the State Government

18.02: Designing and Tryout of Certificate Programme in Educational Research Methodology

18.03: Development of Teachers/Students Manual for identification of the Biodiversity of faunal and floral elements of RIE campus Mysore
Title needs to be modified to include development of a format of logbook.

18.04: Development of Source Book in Life Skills Education through the teaching-learning of Science Streams at Senior Secondary Level for XII Std students

18.05: Development of Bridge course materials in Mathematics for students at Secondary Level in Navodaya Vidyalayas of Karnataka

18.06: Designing a programme for 3-year integrated Master of Science and Master of Education (M.S. M.Ed. Life Science)
May prepare 2-year as well as 3-year programmes for consideration

18.07: Training on Guidance and Counselling for the TGTs and PGTs of UT of Lakshadweep Islands
To be funded by state government

18.08: Early Childhood Education (ECE) programme in D M School, RIE, Mysore
The programme is to be put on hold till its research component is documented and cleared by the Director

18.09: Extension Lecture Series

V. North-East Regional Institute of Education, Shillong

The following programmes were recommended:

25.01: Development of Teachers' Handbook on value education at Elementary stage in the context of North East States
The handbook should be made for various stakeholders utilizing various media

25.02: Development of a supplementary material for teaching Hindi at Elementary level.

- To be funded by state government*
- 25.03: Development of Local Specific TLM in Social Science for Upper Primary Level for the state of Manipur
To be funded by state government
- 25.04: Development of TLMs of Minor/Tribal Language (Khasi & Garo) of Meghalaya.
To be funded by state government
- 25.05: Development of Training Module on Curriculum Adaptation for CWSN at the Secondary level.
To be put on hold
- 25.06: Training Programme for the Teacher Educators of Nagaland state on CCE (competency-wise and level-wise)
The programme needs to be organized for all NE States
- 25.07: Capacity building of SCERT and DIET faculty members and Key Resource Persons of Arunachal Pradesh on Programme Evaluation
- 25.08: Capacity building of SCERT, DIET faculty members and Key Resource Persons of Arunachal on Textbook-writing
To be funded by state government
- 25.09: Orientation Programme on ECCE for KRPs of North-Eastern States
- 25.10: Orientation of KRPs/ MTs on the supplementary material for the enrichment of Hindi textbooks of elementary level
- 25.11: Orientation of KRPs on Lab on Teaching and Facilitation Skills
- 25.12: Capacity building of secondary school Head Teacher on conducting Action Research
- 25.13: Orientation-cum-Workshop for KRPs of North-East states in Multilingual Education
The programme is to be organized in collaboration with DEL
- 25.14: Training of KRPs of Arunachal Pradesh and Mizoram on teaching of science at elementary level.
Teacher's handbook prepared by DESM may be used.
- 25.15: National Seminar on "New Perspectives of Health and Physical Education in school"
The seminars should be organized for two days only
- 25.16: Diploma Course in Guidance and Counselling
Self financed
- 25.17: Evaluation of Hindi textbooks of Nagaland and Arunachal Pradesh of elementary level and development of a supplementary material for their enrichment
Funds to be arranged from CIIL, Mysore
- 25.18: Orientation of KRPs of North-East states in the Multilingual Education
Funds to be arranged from CIIL, Mysore

During the course of the meeting, the following general observations were made by the members:

- a. *All training packages/materials developed by NCERT constituents should be sent to Joint Director, CIET for uploading on NCERT website. A non-piracy certificate should be attached with these materials.*

- b. The CCE package developed by DEE should be sent to all NCERT constituents and SCERTs for comments (Action: DEE).*
- c. The departments who have proposed to develop audio-video materials as well as on-line courses should work with the staff of CIET towards their production. They should not only handover the materials to CIET.*
- d. PSSCIVE should find space for programmes related to differently-abled persons.*
- e. For organizing training programmes, the Heads of NCERT Constituents should pursue the matter with the respective State governments for funding and collaboration.*

Annexure - I

List of Participants in the 50th PAC Meeting held on 4-5 March 2013

1. Prof. Parvin Sinclair, Director, NCERT Chairperson
2. Shri Alok Verma, Secretary, NCERT
3. Mr. Hasan Waris, Director, SCERT, Patna
4. Ms. Anita Satia, Director, SCERT, New Delhi
5. Prof. Rajaram S. Sharma, Joint Director, CIET, NCERT
6. Prof. R. B. Shivagunde, Joint Director, PSSCIVE, Bhopal
7. Prof. V. K. Kakaria, Principal, RIE, Ajmer
8. Dr. Rajesh Mishra, Dean of Instruction, RIE, Ajmer
9. Prof. H. K. Senapaty, Principal, RIE, Bhopal
10. Prof. Reeta Sharma Dean of Instruction, RIE, Bhopal
11. Prof. K. B. Rath, Principal, RIE, Bhubaneswar
12. Prof. Savita Patnaik, Dean of Instruction, RIE, Bhubaneswar
13. Prof. D. G. Rao, Principal, RIE, Mysore
14. Prof. V. D. Bhatt, Dean of Instruction, RIE, Mysore
15. Dr. A. Sukumar, Principal, NERIE, Shillong
16. Prof. Kiran Devendra, Head, DEE
17. Prof. Hukum Singh, Dean (Academic) and Head, DEK
18. Prof. Saroj Yadav, Head, DESS
19. Prof. Chandra Sadayat, Head, DEL
20. Prof. Pawan Sudhir, Head, DEAA
21. Prof. Anita Julka, Head, DEGSN
22. Prof. Gouri Srivastava, Head, DWS
23. Prof. Sridhar Srivastava, Head, ESD
24. Prof. S.K. Yadav, Head, DTE
25. Prof. Daya Pant, Head, DEPFE
26. Prof. Poonam Aggarwal, Head, DER
27. Prof. D. K. Vaid, Dean (Coordinator) and Head, IRD
28. Prof. Jayshree Sharma, Head, DESM
29. Dr. Ranjana Arora, I/c Head, RMSA Cell
30. Prof. A.K. Srivastava, Head, PMD & Publication Division
31. Smt. Moortimatee Samantaray, Head, LDD
32. Dr. P.K. Mandal, DESS,
33. Dr. S. Banerjee, DEAA,
34. Prof. K.C. Tripathi, DEL
35. Dr. B.P. Bhardwaj, DTE
36. Prof. Manju Jain, DEE
37. Prof. Anjum Sibia, DEPFE
38. Dr. M. Siraj Anwar, PMD
39. Dr. Mona Yadav, DWS
40. Dr. Pooja Jain, LDD
41. Dr. Asfa M. Yasin, PSSCIVE, Bhopal

42. Dr. Gulfam, ESD
43. Dr. S. C. Chauhan, DEGSN
44. Dr. Sharad Sinha, RMSA Cell
45. Dr. Ranjan Kumar Biswas, CIET
46. Dr. Ph. Brajayanti Devi, NERIE, Shillong
47. Dr. A.K. Rajput, PMD
48. Dr. P.D. Shubash, PMD
49. Shri D. P. Toor, CAO, NCERT
50. Shri Hemant Kumar, Asstt. Public Relations Officer,

The following persons could not attend the meeting:

1. Prof. B. K. Tripathi, Joint Director and Dean (R), NCERT Vice-Chairperson
2. Joint Secretary (School 4)
Department of School Education and Literacy (MHRD)
Shastri Bhavan, New Delhi
3. Prof. N. Jayaram
Centre for Research Methodology
Tata Institute of Social Science,
V. N. Purva Marg, Deonar, Mumbai
4. Dr. P.C. Sen, Chairperson,
Centre for Culture Resource & Training,
15 A, Sector 7, Pappan Kalan,
Dwarka, New Delhi
5. Dr. Shekhar Singh
Former Advisor to Planning Commission,
C-17 A, DDA Flat, Munirka, New Delhi
6. Prof. Smriti Swarup
5, Jeevan Akshay, Plot 188, Sector 6 Charkop,
Kandivali, Mumbai
7. Dr. Basab Banerjee
Head, NSDC, New Delhi
8. Director, SCERT, Hyderabad (Andhra Pradesh)
9. President, West Bengal Board of Madrasah Education, Kolkata (West Bengal)
10. Smt. Malsawmthangi, Director, SCERT, Aizawl (Mizoram)
11. Dr. A.K. Wazalwar, DESM,
12. Dr. Subhash Chandra Roy, NERIE, Shillong