

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

**Minutes of the 51st Meeting of the Programme Advisory Committee (PAC) of
NCERT held on 6-7 March 2014**

The 51st meeting of the Programme Advisory Committee (PAC) of National Council of Educational Research and Training (NCERT) was held on 6-7 March 2014 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. M. Siraj Anwar, Head PMD. He explained the members about the constitution and functions of PAC. He informed the members about programme processing mechanism of NCERT. This year a total number of 291 programmes have been placed before PAC by different constituents of NCERT. Out of which 133 are developmental programmes, 103 training programmes and 56 programmes are extension activities proposed under the plan fund of PAC for the year 2014-15. Apart from it, additional 14 programmes are also proposed under RMSA for the year 2014-15. He informed that the research proposals will be placed before and approved by a separate committee namely Educational Research and Innovations Committee (ERIC). He further informed the members that the PAC is going to approve the academic aspect of the programmes and the budget and HR to be deployed under different PAC programmes will be considered by a separate committee headed by Joint Director.

In her opening remarks, Prof. Parvin Sinclair, Director NCERT and Chairperson, PAC welcomed the members and highlighted the priority areas of the programmes. She requested the members that the programmes should be foreseen in the context of curriculum review and teacher development. She further highlighted that several programmes have been merged with SSA and RMSA programmes. She emphasized that since inclusive aspect and education of the marginalized groups are the focus areas of NCERT, hence these have to be consciously included in all the programmes. Finally, she reminded all the constituent units that the NCERT has accepted the responsibility of supporting SSA, RMSA, TE Schemes of MHRD, and hence must provide space/time for the faculty to undertake the required tasks.

Prof. B.K. Tripathi, Joint Director, NCERT and Vice-Chairperson, PAC informed that the programmes proposed before the PAC have already been discussed thoroughly in DABs of NIE Departments/Divisions/Cells and IABs of CIET, PSSCIVE and RIEs. In the second stage of discussion, these programmes have been placed before Academic Committee of NIE and Management Committee of RIEs. PAC will finally approve the programmes after carefully screening the duplications of programmes, if any.

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

- Agenda Item 1:** To confirm the minutes of the 50th PAC meeting held on 4-5 March 2013
The minutes were confirmed.
- Agenda Item 2:** To report the Action Taken on the minutes of the 50th PAC
The actions taken were noted.
- Agenda Item 3:** To consider and recommend the programme proposals of NIE departments/ divisions/cells at New Delhi

Prof. Poonam Agrawal presented the programme proposals of the NIE Departments/ Divisions/Cells, which were earlier recommended by the Academic Committee, in its meeting held on 3 February, 2014. The Department-wise recommendations of the programme proposals of PAC for 2014-15 are given below. Unless otherwise commented, the programmes noted have been approved by the PAC.

Department of Elementary Education (DEE)

- 1.01: Development of Handbook for ECE Practitioners on ‘Theme Based Approach’**
- 1.02: Development of Guidelines for Implementation of ECCE Programme in the States and UTs**
- 1.03: Awareness Generation for Early Childhood Care and Education (ECCE)**
- 1.04: Publication of Children’s Magazine ‘Firkee Bachchon Ki’**
- 1.05: Development of Training Manual for Teachers/ Education Volunteers on Special Training under RTE Act 2009**
- 1.06: Capacity Building of the States and UTs on Greening of the Elementary Schools under SSA in the Light of the RTE Act-2009**
Approved to carry on the programme.
- 1.07: Academic Support to IIT Nursery School - Experimental School of NCERT**
- 1.08: ‘Concerns, Issues and Challenges in ECCE’ – A National Meet**
Deferred
- 1.09: Publication of the Journal: ‘Prathamik Shikshak’**
- 1.10: Publication of the Journal: ‘The Primary Teacher’**
- 1.11: National Documentation Unit (NDU) for Preschool and Elementary Education - A Resource Centre**
Multi-media material to be developed. DEE should publicise it.
- 1.12: Relooking of Syllabi and Textual Material of NCERT at the Primary Level**
The DEGSN Programme, ‘Analysis of the NCERT Primary Level Textbooks from an Inclusive Perspective’ is merged with the above programme.

Department of Education in Languages (DEL)

- 2.01 Review of NCERT curriculum, syllabi and textbooks in - Hindi, English, Urdu and Sanskrit languages for school education**
- *From Class I to V the review should be done in integrated manner*
 - *‘Inclusion’ aspect should be looked at carefully*
 - *Sub-group may be formed for each subject once the overall curriculum for*

languages is finalized.

- 2.02 Development of a textbook in Language Education for B.Ed. Programme in Urdu**
Develop the textbook, using the material already developed for English and Hindi
- 2.03 Development of support material - print/audio-video in Urdu for second language learners to promote reading and writing skills**
- *Use the support material already developed by IGNOU, Maktaba Jamia, Uttar Pradesh and J&K, to the extent possible.*
 - *Audio-video to be developed along with print material*
- 2.04 Development of syllabus and textual material for 'Creative Writing and translation' in Urdu at Higher Secondary Stage.**
- 2.05 Anthology of modern Sanskrit poetry for children**
- 2.06 National Workshops on Language Pedagogy**
- *Only one workshop to be organized*
 - *All materials to be developed in the next phase*
- 2.07 National Conference on Language and Inclusive Education**

Programmes under Rashtriya Madhyamik Shiksha Abhiyan

- 1. Training of KRPs for capacity building of teachers (using ITPD) in Hindi and English for Secondary Stage (Under RMSA Scheme)**
- 2. Development of In-service Teacher Professional Development (ITPD) Package in Urdu and Sanskrit for Secondary Stage.**

Department of Education of Groups with Special Needs (DEGSN)

- 3.01 Development of multimedia package for managing children with autism in inclusive classroom**
- 3.02 Analysis of pre-service teacher preparation degree programmes across India from the lens of inclusive education**
- 3.03 Orientation programme for master trainers for enhancing quality of education at elementary level schools**
- 3.04 Orientation Programme for Key Resource Persons (KRPs) of States/UTs on development of Individualized Education Programme (IEP) in school subject areas.**
- 3.05 Orientation of Members of School Management Committee(SMC) on Inclusion in Education at Elementary Stage in tribal dominated states.**
- 3.06 Meetings for Minority Cell and Activities of Minority Cell..**
- 3.07 Training of key resource persons/master trainers from the Northern region on the RTE Act from the perspective of Children with Special Needs (CWSN)**
- 3.08 Development of a guide for improving early reading skills in children with visual impairments**
The proposal may be submitted under SSA

General Suggestion:

Department should initiate a programme of suitable duration for sensitizing teacher-educators, principals and teachers about making the schools truly inclusive. A proposal may be submitted to MHRD for the same under SSA.

Department of Women's Studies (DWS)

4.01: Development of Course Materials on Post Graduate Diploma in Gender and Education

4.02: Training Programme for KGBV Teachers on Bridge Course and Teacher Training Package for States of Haryana, Bihar and Rajasthan

- *Propagate gender sensitization modules to all states and follow up on their utilization with SPDs.*

4.03: Training Programme on Gender Issues in Education for RMSA Functionaries for the States of Rajasthan, Madhya Pradesh and Chattisgarh

Funding by RMSA

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

Funding by NVS

4.05: Training Programme on Gender Issues in Education for the Principals of Jawahar Navodaya Vidyalayas (JNVs) – Southern States

Funding by NVS

4.06: Training Programme on Gender Issues in Education for the Principals of Jawahar Navodaya Vidyalayas (JNVs) – Eastern States

Funding by NVS

4.07: Training Programme on Gender Issues in Education for the Principals of Jawahar Navodaya Vidyalayas (JNVs) – Western States

Funding by NVS

Department of Education in Social Sciences (DESS)

5.01: Review of Syllabi, Textbooks and other Teaching Learning Materials in Social Sciences and Commerce at Different stages of School Education

- *Over all programme to be coordinated by one nodal person, as noted for DESM.*
- *Stage-wise and subject-wise sub-groups to be formed and coordinated by subject faculty members.*
- *'Inclusion' aspect to be ensured.*

5.02: Development of an Atlas of Indian History for Schools

5.03: Development of Map book in Geography for Visually Impaired

Title may be modified. Instead of 'Visually Impaired', use 'Students of Visually Impairment'

5.04: Development of Exemplar Material in Economics for Visually Impaired Students

Title may be modified. Instead of 'Visually Impaired', use 'Students of Visually Impairment'

5.05: Development of Videos and Manual on case studies, projects and activities in Teaching Learning of Economics at Higher Secondary Stage for inclusive classroom

5.06: Preparation of the Hindi Version of the Textbook 'Schooling, Socialization and Identity'

Deferred. No need to translate the textbook. DESS may inform the states about the availability of the book. The states can translate it, if interested.

5.07: Refresher Course on Applications of Mathematics in Economics

5.08: Preparation of Teacher Guide on Health and Physical Education at Upper Primary Stage (Hindi Version)

5.09: Professional Development of Teachers in Commerce at Higher Secondary Stage

5.10: Development of Geography kit and E-learning material in Geographical Information System (GIS) for teaching-learning of Geography

A proposal may be placed for ISRO funding.

5.11: Development of Dictionaries of Economics, History and Political Science for Schools (English-Hindi-Urdu)

5.12: Development of Sourcebooks on Assessment in Social Sciences for Upper Primary & Secondary Stages

5.13: Preparation of the Hindi and Urdu Version of the *Supplementary Reader on Great Thinkers of Modern India*

5.14: Preparation of Textbook on *Health and Physical Education* at Secondary Stage (Hindi & Urdu Versions)

5.15: Interactive Workshops for Senior level officials and National & State Resource Persons in Population Education and Adolescence Education

Involve people from NIVH and other areas of concern.

5.16: National Project Progress Review Workshops of National Population Education Project (NPEP) and Adolescence Education Programme (AEP)

5.17: Organization of Activities on Population and Adolescence Education

5.18: Development of Package in Population Education and Adolescence Education

General Suggestion:

The department may initiate a process to develop a calendar using the posters of the NPEP.

Programme under RMSA Funding

1: Training of KRPs for capacity building using ITPD in Social Sciences in States at Secondary Stage (RMSA Funding)

Department of Education in Science and Mathematics (DESM)

6.01: Relook of Biology Curriculum at Higher Secondary Stage

6.02: Relook of the Chemistry Curriculum at Higher Secondary Stage

6.03: Relook of the Physics curriculum at Higher Secondary Stage

*The above three programmes must **not** be done in isolation. Link with EVS, Upper Primary and Secondary Science curricula.*

- 6.04: Relook of the Curriculum in Mathematics at Upper Primary, Secondary and Higher Secondary Stages**
- 6.05: A Review of Computer Education Curriculum at Hr. Secondary Stage**
CIET and PSSCIVE may also be involved. Curriculum of NVEQF (Level 1 to 5) may be kept in mind.
- 6.06: Relook of the Science Curriculum at the Secondary Stage**
- 6.07: Relook of the Science Curriculum at the Upper Primary Stage**
- *All the programmes (from 6.01 to 6.07) of curriculum revision to be coordinated by stage-wise and subject-wise coordinators. However, total curriculum re-look requires all departments to work together for which there will be one nodal coordinator from each department-DESM, DESS, DEL and DEE.*
 - *'Inclusion' aspect to be ensured in the revised curricula and materials.*
- 6.08: Development of Audio-visual Material for Mathematics Laboratory**
- 6.09: Development of handbook on understanding Science through activities, games and art forms (upper primary and secondary stages).**
Consult organisations or people who have already developed some educational games. Games should be developed in such a manner that the children of different disabilities could also use.
- 6.10: Field trial and finalisation of the Training Package in Biology at Higher Secondary Stage**
- 6.11: Field trial and finalisation of the Training Package in Chemistry at Higher Secondary Stage**
- 6.12: Field trial and finalisation of the Training Package in Physics at Higher Secondary Stage**
- 6.13: Pilot Testing of Certificate Programme for Teaching of Elementary Science(CTES)**
- 6.14: Training of Master Trainers working in SC/ST concentrated areas for Activity Based Science Teaching at Upper Primary Stage.**
Include minority concentrated areas also in the programme
- 6.15: Training of Master Trainers working in SC/ST concentrated areas for Activity Based Mathematics Teaching at Upper Primary Stage.**
Include minority concentrated areas also in the programme
- 6.16: School Science – A Quarterly Journal**
- 6.17: State Level Science, Mathematics and Environment Exhibitions (SLSMEE) for Children**
- 6.18: Jawaharlal Nehru National Science, Mathematics and Environmental Exhibition (JNSMEE) for Children**
- 6.19: Centre for Popularization of Science**

Educational Survey Division (ESD)

- 8.01 Orientation of Key resource persons from the SC, ST and Minority concentrated regions on Reforms in the Examination as envisaged in NCF-2005.**
- *Instead of Reforms in the Examination, different forms of assessment may be worked on.*

- *Instead of orientation programme, conduct a brainstorming within NCERT first.*
- *Madrasa Board, Anglo-Indian Board (Tamil Nadu) may also be involved*

8.02 Capacity Building Programmes for State Educational Institutions in Educational Surveys and Assessment (Four Self-financed Programmes)

Funding will be made by the state governments

8.03 5-Days Training Programme on ‘Analysis of Data Using Open Source Tools’.

8.04 Conduct of Nurturance Programmes for NTS Awardees

8.05 National Seminar on Application of Statistics in School Education for precision of Assessment

Programmes under SSA funding

1. National Achievement Survey at the End of Class III (Fourth Cycle)

Dropped

2. National Achievement Survey at the End of Class V (Fourth Cycle).

3. Development of Question Bank in Subject areas of Language, Mathematics, Science and Social Sciences in English Medium for Use in National Achievement Survey Class VIII(Fourth Cycle)

Dropped

4. Development of a Protocol for Data Mining of National Achievement Survey(NAS) Cycle-3 Data and Try Out of the Same.

Programmes under RMSA funding

1. Assessment of Learning Levels of Students at Secondary Stage (Class X) under RMSA.

Programmes under MHRD funding

1. Eighth All India School Education Survey(8th AISES)

Programmes under Non-Plan

1. Implementation of the National Talent Search Scheme

Department of Teacher Education (DTE)

10.01: Publication of (i) Journal of Indian Education (JIE) and (ii) Bharatiya Adhunik Shiksha (BAS)

10.02: Development of a Training Package for Teacher Educators at Elementary level on Pedagogical Content Knowledge (PCK) in Mathematics

The CTPM material developed by IGNOU may be used.

10.03: Revamping of Education in NER- Improving the Quality of Teaching in Science, Mathematics in Schools-Skill Up gradation-cum-Motivation Course: *Training Programme for the KRPs of North East Region*

10.04: Resource Support to Strengthen the Capabilities and Performance of the Teacher Education Institutions at District Level

- *Select the state and DIET where the separate DIET cadre exists.*

- *For infrastructure support, funding should be made by the state government. NCERT will provide support only of human resources.*
- *Visits to DIETs should be made at least for two months at a stretch.*
- *Component of Inclusive Education to be taken care of.*

10.05: Professional development Programme (refresher course) for NCERT faculty
The details along with budget break-up to be submitted to Chairperson, PAC.

10.06: Conference of Directors of SIE/SCERTs

- *Invite principals of DIETs also.*
- *Include teacher education programmes and PINDICS in the agenda.*
- *Inform all departments and divisions well in advance so that they can discuss issues relevant to them also.*
- *Objectives of Vocational Education may be included.*

10.07: All India Competition on Innovative Practices and Experiments in Education for Schools and Teacher Education Institutions

Winning entries of last five years may be documented and placed on NCERT website.

Department of Educational Psychology & Foundations of Education (DEPFE)

11.01: Developing Package for Enhancing Conflict Resolution Skills of Teachers

11.02: Development of a Multimedia Module on Peace Education as a Pedagogical Tool

- *Include conflict resolution*
- *Run a few programmes on Gyan Vani in consultation with CIET*

11.03: Translation of Self-learning Modules for Diploma Course in Guidance and Counselling in Hindi

11.04: Development of Online Materials for Diploma in Guidance and Counselling
May be collaborated with CIET.

11.05: Diploma Course in Guidance and Counselling (Distance and Face-to-Face)

11.06: Enrichment Program for Teacher Educators Teaching Psychology in Teacher Training Institutes of North East Region

11.07: Strengthening of State level Guidance and Counselling Services

11.08: Capacity Building of Teachers in Guidance working in SC, ST Concentrated Districts

11.09: National Library of Educational and Psychological Tests (NLEPT)

Make a press item for APRO to publish in both Hindi and English newspaper to invite visitors to the library

Division of Educational Research (DER)

12.01: Development of Modules on Research Methodology in Education for Online Course

The programme is deferred as a similar programme (Certificate Course) has already been launched by RIE, Mysore.

12.02: Need Assessment for Promoting Culture of Educational Research through Interaction with State and District Level Bodies

12.03: Publication of *Indian Educational Review*

12.04: Organization of Online Course on Action Research in Education

- *Fees may be charged for the programme*
- *Rate of mentoring may be obtained from IGNOU and other institutions running such online programmes.*
- *The modalities may be verified from RIE, Mysore*

12.05: Orientation of DIET and SCERT Faculty for Conducting Educational Research

Funding may be done by State Governments.

12.06: Capacity Building of Elementary School Teachers as Facilitators in Action Research

- *'Facilitator' may be removed from the title*
- *Database may be shared with DEE*

12.07: NCERT Doctoral Fellowships

12.08: Senior Research Associateship (Educationists'/Researchers' Pool Scheme) of NCERT

12.09: Organization of ERIC Activities

Planning and Monitoring Division (PMD)

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

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

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

Department of Education in Arts and Aesthetics (DEAA)

23.01: Development of Video Series on Arts Education at Elementary Stage

23.02: Teacher's Handbook in Dance, Music and Theatre Supported with a Multimedia

23.03: Capacity building programme for Master Trainers on Art Integrated Learning

23.04: Orientation of teachers and principals in Arts Education of JNVs (collaborative effort of NCERT with Navodaya Vidyalaya Samiti)

23.05: Resource Centre Events of Arts and Crafts

Programmes under RMSA

1. **Continuous In-service Teacher Professional Development Package in Arts Education**
2. **Continuous In-service Professional Development of Arts Education Teachers at**

secondary stage for the states and Uts as Key Resource Persons
Division of Educational Kits (DEK)

- 24.1 Review and development of Microscale Chemistry Kit at Higher Secondary Stage.
- 24.2 Design and Development of Biology, Mathematics and Physics Kits for Higher Secondary Stage.
- 24.3 Design and development of low-cost, light-weight boxes for kit items
- 24.4 Oriation of Teachers as Key Resource Persons of SCERTs/SIEs/RMSA/SSA (belonging to SC/ST category) and other institutions (belonging of SC/ST category and SC/ST dominated areas) on preparation and use of Science and Mathematics Kits
- 24.5 Apprenticeship Training

RMSA Project Cell

1. Development of Secondary School Readiness Programme Guidelines and Exemplar Packages
2. Availability and utilization of Laboratory facility for teaching –learning Science and its effect on achievement in Science at Secondary level in the state of Rajasthan
3. National Consultation on Curriculum reform at the secondary stage.
4. Meetings of National Resource Group for RMSA

Agenda Item 4: To consider and recommend the programme proposals of RIEs for 2014-15

I. Regional Institute of Education, Ajmer

Prof. P.C. Agrawal, Dean of Instructions, presented the programme proposals of RIE, Ajmer for 2014-15. The recommendations of PAC are given below:

15.01: Environmental Education theme park for strengthening school education programmes and training of school children for generating environmental awareness

- *May be discussed with DESM*
- *Funding from Environmental Orientation for School Education (EOSE)(Non-Plan)*

15.02: Pedagogical execution of Mathematics Education Papers of different courses through Mathematics Resource room and conducting a National conference in Mathematics Education

Conference part of the programme may be kept on hold.

15.03: Development of Green Chemistry Lab. in the Institute.

Before initiating the programme, it may be discussed with the Chemistry faculty of Maharishi Dayanand University, Ajmer and Central University, Ajmer.

15.04: International Conference in Science Education

- *Organise a one-day consultation meet on science education at school level on*

28 February.

- Share the researches done in the area of school science education.
- Revise the budget accordingly

15.05: Development of teachers' handbook in science at Secondary level.

Dropped.

15.06: Capacity building of KRPs belonging to SC dominated areas in Teaching of Life Sciences at Senior Secondary Level

Use the package developed by DESM, revise and improve it into a multi-media package

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Use the package developed by DEL under SSA. Verify the areas dominated by SC and ST category students before revising the budget.

15.08: Capacity Building of KRPs belonging to ST dominated areas in Teaching of Science in the light of NCF-2005 at Secondary Level.

- Assess the need before conducting the programme.
- Use RMSA package developed at secondary level.

15.09: Capacity Building programme for Teachers of SC dominating areas in laboratory work in Science in the Light of NCF-2005 at Secondary Level.

15.10: Capacity Building of Teacher Educators/KRPs belonging to ST dominated areas for Teaching of Science in the light of NCF-2005 at Upper Primary level for the Northern Region.

Assess the need before conducting the programme.

15.11: Capacity Building of KRPs belonging to Minority dominated areas on activity based learning in Science at Secondary level in the light of NCF – 2005.

Assess the need before conducting the programme.

15.12: Capacity Building of KRPs belonging to SC & ST dominated areas in the understanding of CCE in the light of NCF-2005 at Elementary level using exemplar material developed by NCERT.

15.13: Capacity building of the faculty of DIETs located in Minority dominated districts in action research for the States of uttarakhand and U.P.

15.14: Capacity building of KRPs in teaching of Urdu at elementary level (For non-Urdu speaking areas of H.P., Haryana & rajasthan.

15.15: Training Programme on Research Methodology and Statistics for Teacher Educators of CTEs.

Deferred.

15.16: Capacity Building of Teacher Educators of DIETs operating in ST dominating areas for teaching of Social Science in light of Continues and Comprehensive Evaluation (CCE) at Primary level for the States of Rajasthan and Himachal Pradesh.

Programme may be revised to be conducted only in the area of CCE.

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15. 18 Extension lectures of Eminent Educationists

- *Three or four lectures may be organized to celebrate special occasions.*
- *A committee may be constituted to select the eminent speakers*
- *Compile a booklet of the lectures*

General Suggestion:

- *A consolidated database of KRPs in different subject areas and at different levels may be prepared. These KRPs can be recommended for a particular area to the stake holders for organizing their training programmes.*
- *A similar programme proposed by RIE, Bhubaneswar 'Theatre Workshop for Pre-Service Teacher Trainees of RIE-BBSR' may be proposed by each RIE.*
- *Programme on 'ECCE Centre' may be proposed by each RIE and action plan to be submitted to Chairperson, PAC*

II. Regional Institute of Education, Bhopal

Prof. Reeta Sharma, Dean of Instructions, presented the programme proposals of RIE, Bhopal for 2014-15. The recommendations of PAC are given below:

16.01: Development of training package on soft skills at higher secondary stage.

Dropped.

16.02: Development of Resource material on Methodology of Qualitative Research in Education

- *Title may be revised, instead of Resource material on Methodology; a 'self learning package' may be used.*
- *Material available with DER and IGNOU may be used.*
- *Ensure the try-out of the package.*

16.03: Development of training package for Capacity Building of Teacher Educators in Guidance and Counselling

Dropped.

16.04: Development of training package on "School Library Automation using open source software"

- *Conduct workshop of 2-3 days duration for the school librarian.*
- *Funding may be done by state governments.*

16.05: Development of ICT based CCE package using alternative techniques of evaluation for elementary level

- *Involve faculty from DEE, NIE, New Delhi and all RIEs.*
- *Invite experts from IGNOU.*

16.06: Development of Handbook for teacher educators on Inclusive Education practices

in elementary classrooms

- *Discuss with DEGSN before initiating the programme.*
- *No handbook in the form of print material is to be developed.*
- *Develop a multi-media package in the form of CD.*

16.07: Development of Training package to address the challenges of teaching of Mathematics at elementary level.

A similar training package has already been developed by DEE. If it has to be done, the funding will be done by Maharashtra.

16.08: Development of resource material for Physics at higher secondary stage.

Dropped.

16.09: Development of test items for formative evaluation of Science at secondary stage.

Dropped.

16.10: Development of green manual for secondary stage science teachers

Before initiative the programme, proposal to be sent to DESM for comments of EOSE.

16.11: Development of teacher's Handbook for art integrated learning at Primary level

Deferred.

16.12: Development of ICT integrated training package with constructivist approach for sec. level Mathematics

Discuss with Head, DESM, NIE, New Delhi before initiating the programme

16.13: Development of e-content modules in Science at secondary level using FOSS and web 2.0 tool

16.14: Development of E-content in Science at upper primary stage using web-2.0 tools.

Dropped

16.15: Development of resource material to create constructivist learning situation in the science classroom at upper primary stage.

Instead of Upper Primary, conduct it for Secondary Stage

16.16: Development of Resource Material to create constructivist learning situation in social science classroom at upper primary stage.

- *No material is to be developed*
- *Organize programme with the students of RIE*
- *Also include the subject areas of science and languages along with social science*

16.17: Development of training package on communication skills in English at secondary and higher secondary level.

Dropped

16.18: Development of test items to assess Higher Order Thinking Skills (HOTS) in Biology at higher secondary stage

Dropped

16.19: Development of teacher's handbook for teaching Gujarati through constructivist

approach at primary stage.

Dropped

16.20: Development of teachers' handbook for Urdu teaching with constructivist approach at primary level

Dropped

16.21: Development of teacher's handbook for Marathi teaching with constructivist approach at primary level

Dropped

16.22: Analysis of SCF 2010, syllabus and Text books at upper primary stage in the light of NCF 2005.

- *Tools to be shared with DEGSN*
- *Funding by Maharashtra State*

16.23: Training of Principals and Teachers of Minority Educational Institutions on integration of web 2.0 technologies in teaching and learning

Assess the need before conducting training programme

16.24: Training of SC/ST teachers on education for peace at secondary level.

- *Instead of SC/ST teachers in the title it may be changed as 'Teachers from SC/ST dominated areas'*
- *Phase I of the programme (workshop for developing module) is dropped*

16.25: Orientation programme on emerging trends in schooling for the professional development of DMS teachers

- *Instead of 'orientation', conduct refresher course*
- *It should be interactive and the participant teachers should have at least 4-5 years before superannuation.*

16.26: Training of KRPs on teaching Mathematics in Tribal Schools at elementary stage.

Package developed by DTE for North-East may be used

16.27: Training programme for SC/ST Hindi teachers.

- *Instead of SC/ST teachers in the title it may be changed as 'Teachers from SC/ST dominated areas'*
- *Package developed by RMSA Cell may be used*

16.28: Organization of Extension Lecture Series

- *Three or four lectures may be organized to celebrate special occasions.*
- *A committee may be constituted to select the eminent speakers*
- *Compile a booklet of the lectures*

16.29: National Conference on Science Education

- *Organise a one-day consultation meet on science education at school level on 28 February.*

- Share the researches done in the area of school science education.
- Revise the budget accordingly

16.30: Opening of ECCE centre and studying the effectiveness of thematic approach in terms of development of various skills of pre-school children

Action Plan for the ECCE Center may be submitted to the Chairperson, PAC

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Dropped

16.32: National seminar on 'Saajhi Sahadat & Saanjhi Virasat' in Hindi-Urdu literature

- DEL, NIE, New Delhi may be involved
- Organize seminar for two days only

16.33 Development of 4-year pre-service Bachelor of Elementary Education (B.El.Ed.) Programme

Develop programme for pre-primary and primary education

16.34 Training programme for higher secondary teachers of schools located in SC/ST dominated areas to develop practical skills in physical science

Minority dominated areas may also be included

General Suggestion:

- A programme, 'National Meet on Mathematics Education' may be organized. Details may be submitted to the Chairperson, PAC for approval.
- A similar programme proposed by RIE, Bhubaneswar 'Theatre Workshop for Pre-Service Teacher Trainees of RIE-BBSR' may be proposed by each RIE.
- Programme on 'ECCE Centre' may be proposed by each RIE and action plan to be submitted to Chairperson, PAC
- May prepare a programme similar to RIE, Ajmer entitle, 'Extension lectures of Eminent Educationists' and submit to the Chairperson, PAC for approval. Under this programme the following activities may be taken up:
 - (i) Three or four lectures may be organized to celebrate special occasions.
 - (ii) A committee may be constituted to select the eminent speakers
 - (iii) Compile a booklet of the lectures

III. Regional Institute of Education, Bhubaneswar

Prof. B.K. Parida, Dean of Instructions, presented the programme proposals of RIE, Bhubaneswar for 2014-15. The recommendations of PAC are given below:

17.01 Adoption and Tryout of Training Module on Inclusive Education in the Area of Minorities and Socially Disadvantaged Section for KRPs (West Bengal).

Adoption in the title may be replaced by Adaption

17.02 Development of Training Package on Induction Level Training Programme for DIET of West Bengal

- Funding from the State Government

- *NCERT will provide academic support*
- 17.03 Development of Guidelines for Professional Development of Teachers and Trainee Teachers.**
Dropped
- 17.04 Extension Lecturer Series for Professional Development.**
- *Three or four lectures may be organized to celebrate special occasions.*
 - *A committee may be constituted to select the eminent speakers*
 - *Compile a booklet of the lectures*
- 17.05 Professional Development of SC/ST Teachers through e-learning resource material in Biology at Senior Secondary Level.**
- *Instead of SC/ST teachers in the title it may be changed as ‘Teachers from SC/ST dominated areas’*
 - *Collaborate with CIET linking with NROER.*
 - *Budget may be revised accordingly*
- 17.06 National Consultation on Quality School Education**
Dropped
- 17.07 Advance Research Methods and Data Analysis in Education for Faculty Members of RIE and DMS, Bhubaneswar**
- *A few proposals developed during the programme may be submitted to ERIC*
 - *Programme may be extended at NCERT level from next year*
- 17.08 Guidance for SC/ST Students at Secondary Level for Educational and Vocational Development**
Dropped
- 17.09 Development and Training Programmes for Librarians of DIET/ PTTIs (West Bengal) on Library as Learning Resource Centre.**
Dropped
- 17.10 10-Day Capacity Building Programme for D.M School Teacher on Effective implementation of CCE and professionalism in School**
- *Instead of ‘Capacity Building’, conduct refresher course*
 - *It should be interactive and the participant teachers should have at least 4-5 years before superannuation.*
- 17.11 Development of Alternatives to Dissection in Life Science Education Multimedia Based Pedagogical Practices.**
May be merged with programme no. 17.05
- 17.12 Constructivist approach in Learning of Bioscience at Class IX.**
Dropped
- 17.13: Development of Instructional Materials on Language in Teacher Preparation.**
- *‘Instructional Materials’ may be replaced by ‘Ability’ in the title*
 - *Inclusive aspect to be taken care of*

17.14: Theatre Workshop for Pre-Service Teacher Trainees of RIE-BBSR.

- *Explore for collaboration with National School for Drama (NSD)*
- *Theatre may be used for Children with Special Need*

17.15: Formulation of Choice-Based Credit System (CBCS) for Pre-Service Courses Offered by RIEs

17.16: Revision of Syllabus for 4 year Integrated B. A. B. Ed Course for RIEs, NCERT

17.17: Blossoming Infancy [ECCE Centers in Demonstration Multipurpose School]

General Suggestion:

- *A similar programme proposed by RIE, Bhubaneswar ‘Theatre Workshop for Pre-Service Teacher Trainees of RIE-BBSR’ may be proposed by each RIE.*
- *Programme on ‘ECCE Centre’ may be proposed by each RIE and action plan to be submitted to Chairperson, PAC*
- *A similar programme ‘a one-day consultation meet on science education at school level’ on 28 February may be organized by each RIE and share the researches done in the area of school science education.*

IV. Regional Institute of Education, Mysore

Prof. V.D. Bhatt, Dean of Instructions, presented the programme proposals of RIE, Mysore for 2014-15. The recommendations of PAC are given below:

18.01 Review and Finalization of draft syllabus of Four year integrated Bachelor of Science Education course of RIEs

Conduct workshop for three days and revise budget accordingly

18.02 Design and Development of pedagogical tools and materials for school attachment programme of integrated pre-service teacher education courses.

18.03 Web based training programme for TGTs working in APSWREIS schools for Scheduled Caste (SC) on implementing pedagogical practices as envisaged in NCF 2005

Funding by State government

18.04 Designing and Tryout of Certificate Programme in Educational Research Methodology’

18.05 Training Programme on Career Guidance for the TGTs and PGTs of Navodaya Schools of Hyderabad Region

18.06 Capacity Building of SCERT, DIET and School Librarians to Modernize the Library

18.07 Training Programme on Curriculum Adaptation for Students with Special Needs *Deferred*

18.08 Design and Development of Emergency healthcare (First Aid) package to Secondary School Teachers

Dropped

18.09 Regional seminar on ‘Current practices in Guidance and Counseling at the secondary schools of southern India’

18.10 Extension Lecture Series

- *Three or four lectures may be organized to celebrate special occasions.*
- *A committee may be constituted to select the eminent speakers*
- *Compile a booklet of the lectures*

18.11 Early Childhood Education (ECE) programme in DM School, RIE, Mysore

18.12 Development and Validation of Tools for Assessment of Training Needs for the Professional Development of Secondary Teachers under RMSA

To be conducted under RMSA Funding

General Suggestions:

- *Programme on 'ECCE Centre' may be proposed by each RIE and an action plan to be submitted to Chairperson, PAC*
- *A similar programme 'a one-day consultation meet on science education at school level' on 28 February may be organized by each RIE and share the researches done in the area of school science education.*

V. North East Regional Institute of Education (NERIE), Umiam

Prof. Subhash Chandra Roy presented the programme proposals of NERIE, Umiam for 2014-15. The recommendations of PAC are given below:

25.01: A study on the performance of students in science at secondary level of government schools in the tribal areas of Tripura
May be submitted to ERIC

25.02: Factors Affecting Students' Learning in ICT Integrated Teaching-Learning
May be submitted to ERIC

25.03: Development of supplementary teaching – learning material in Social Science for class VI in context of Arunachal Pradesh.

- *Funding may be done by Arunachal Pradesh*
- *NCERT will provide academic support only*

25.04: Development of Materials on Constructivist Approach to Pedagogy and Resources for Teaching of Social Science at Upper Primary Level in the State of Nagaland.
As the co-ordinator is on academic leave, the Principal may assign someone else to co-ordinate

25.05: Design and Development of Earth Science kit for Secondary Stage.
Discuss with DEK and DESS, NIE, New Delhi

25.06: Review and Analysis of Curriculum, Syllabus and Textbooks in Social Science for Secondary Level in the State of Manipur.

- *May be submitted under RMSA funding*
- *Programme may be conducted for science and languages along with social science*

25.07: Compilation of Folk tales for reading enhancement at Elementary level.
A CD may be developed filming the children telling stories

25.08: Contextualization (translation and adaptation) of Barkha Series in the scheduled languages of North East India
May be submitted under SSA funding

25.09: Development of a Model of ICT Integrated Teaching-Learning of Mathematics at Elementary stage
A study may be initiated before taking up the programme

- 25.10: Documentation of good practices in CCE in the elementary schools of north eastern states**
Visit the field and record the best practices of CCE before taking up the programme
- 25.11: Identification and glossing of the content and function words used in primary level in the selected tribal languages of Sikkim.**
- 25.12: Development of supplementary material on Life Sciences for secondary level.**
Dropped
- 25.13: Development of package on activity based teaching of Science at Primary level in the context of Arunachal Pradesh and Mizoram**
Dropped
- 25.14: Art Integrated Learning at lower primary level – Training of master trainers and documentation of best practices from the field.**
Take up the training part only and follow up. Revise budget accordingly.
- 25.15: Development of Material and Training for Master Trainers in School leadership for achieving quality Inclusive Education.**
Dropped
- 25.16: Development-cum-Training on School Planning and Management for KRPs of NE States**
Dropped
- 25.17: Capacity Building for KRPs of North- Eastern States on NCFTE, 2009**
Dropped
- 25.18: Training in Constructivist Approach to teaching of Social Science at Upper Primary Level for teacher educators in Manipur.**

Funding by State Government
- 25.19: Training of KRPs of Meghalaya on teaching of science at Upper Primary Level**
Funding by North-East Council
- 25.20: Orientation on reflective teaching-learning practices among secondary level history teachers of NE States under Tribal Sub Plan (Assam, Manipur, Sikkim and Tripura)**
May be submitted under RMSA funding
- 25.21: Orientation Programme for KRPs on National Policy on ICT in School Education 2012**
Dropped
- 25.22: Orientation of KRPs on Gender Equality and Empowerment in North Eastern**

States under Tribal Sub Plan (Assam, Manipur, Sikkim, Tripura)

Methodology need to be revised and may consult DWS.

25.23: Training in Approaches to Pedagogy and Resources for Teaching of Social Science at Secondary Level for Tribal Teachers in Manipur

Dropped

25.24: Capacity Building of KRPs/MRPs for imparting Assertiveness training to Tribal Students

Dropped

25.25: Orientation of Secondary School Teachers of Meghalaya on Career Counselling

Dropped

25.26: Training of Teachers on teaching of tribal /Minority languages for the State of Manipur

Develop a training package, than take up training programme

25.27: An Internship-based Training on Action Research

- *Share the already available material*
- *Organize three- day workshop and revise budget accordingly*

25.28: ICT Competencies Development for KRPs to use ICT in Teaching Learning Process

25.29: Enabling KRPs of Manipur for School Visioning

Deferred

25.30: Capacity building for the teacher educators of NE on Lesson Planning in the context of CCE

Dropped

25.31: Try-out of the Resource Material for Effective Implementation of Constructivist Approach in Social Science for Secondary Teachers

- *May be submitted under RMSA funding*
- *Collaborate with DESS, NIE, New Delhi*

25.32: Sensitisation of Teacher Educators of NE on Research Methodology with particular focus on formulation of Research Proposal

Dropped

25.33: Diploma Course in Guidance and Counselling through Distance/Online Mode (2014-15).

Do not mention online mode, conduct the course in the present form.

25.34: National Conference on Right of Children to Free and Compulsory Education: Quality Concerns, Challenges and Prospects
Deferred. File to be cleared by Joint Director and Director

25.35: Facilitating Community Involvement at Laitkhroh, Shillong for a model ECCE center
Dropped

25.36: Exposure programme on local Art forms of North Eastern Region.

- *Objectives may be revised.*
- *Modify in consultation with DEAA*

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

Prof. Amarendra Behra, presented the programme proposals on behalf of Joint Director, CIET for 2014-15. The recommendations of PAC are given below:

Central Institute of Educational Technology (CIET)

13.01: Development and Dissemination of Educational Media Programmes

13.02: Development and Management of National Repository for Open Educational Resources (NROER)
Funding from MHRD

13.03: Evaluation of ICT@School Scheme Implementation in States/UTs
Funding from State Governments

13.04: Development of Resources and Support for Web and Online Activities

13.05: Organisation of Contests, Exhibitions, Festivals and Media Club activities to promote Educational Technology
To be partly funded by MHRD.

13.06: Development of ICT Curriculum and ICT Courses for teachers and students

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

Prof. Asfa M. Yasin, presented the programme proposals on behalf of Joint Director, PSSCIVE for 2014-15. The recommendations of PAC are given below:

Pandit Sunderlal Sharma Central Institute of Vocational Education (PSSCIVE), Bhopal

14.01: Training on developing teaching skills in classroom, workshop and laboratory. (16 programmes for different states)

14.02: Laboratory and industry based Teacher Training Programme in selected areas. (16 programmes in different vocational areas)

14.03: Capacity Building Programme for key officials of State/UTs on Implementation of National Vocational Education Qualification Framework (13 programmes)
NVEQF to be replaced by NSQF in all programmes.

14.04: Development of Curriculum, Students workbook, Teachers handbook and Evaluation Workbook as per NOSs for level 1 i.e., Class IX in eight different

sectors. (32 WGMs)

14.05: NCERT Awards for Excellence in Vocational Education – 2013 -14.

14.06: Indian Journal of Vocational Education – Bi-annual Journal. (E-journal).

14.07: Publication of Quarterly Bulletin on Vocational Education. (e-bulletin).

14.08: Extension Lecture Series.

- *Three or four lectures may be organized to celebrate special occasions.*
- *A committee may be constituted to select the eminent speakers*
- *Compile a booklet of the lectures*

14.09: Organisation of National Vocational Exposition and Skill Competition.

Deferred

14.10: National Seminar on Skilling for Global Standards through NVEQF.

Dropped

14.11: Development of Management Information System (MIS) for vocationalization of Secondary and Higher Secondary Education under NVEQF.

14.12: Post Graduate Diploma in Vocational Education (PGDVE)

- *Budget to be revised*
- *Programme to be co-ordinated by Prof. Asfa M. Yasin*

14.13: International Seminar on Emerging Trends in Technical and Vocational Education and Training - A Vision for 2025.

14.14: Design, Development and Maintenance of website of PSSCIVE

14.15: Training of Vocational Teachers on Teaching Skill Development. (under RMSA Scheme). (02 Programmes)

To be organized under RMSA fund.

14.16: Capacity Building Programme on Implementation of VEP and NVEQF for Directors, Dy. Directors, DVEOs and Principals. (under RMSA Scheme). (02 Programmes)

One additional Programme

14.17: Exhibition and Museum of History of Vocational Education in India.

Programme proposal to be submitted to Chairperson, PAC.

14.18: माध्यमिक स्तर के विद्यार्थियों के लिए उन्मीखिकरण पर एक दिवसीय केरियर मार्ग दर्शन शिविर (कुल 5 कार्यक्रम)

Programme proposal to be submitted to Chairperson, PAC for approval.

The following members attended the meeting:

- | | |
|---|---|
| 1. Prof. Parvin Sinclair
Director, NCERT | Chairperson |
| 2. Prof. B.K. Tripathi
Joint Director, NCERT | Vice- Chairperson |
| 3. Prof. Smriti Swarup
5, Jeevan Akshay, Plot 188, Sector 6 Charkop,
Kandivali, Mumbai | Member |
| 4. Dr Hasan Waris
Director, SCERT, Patna (Bihar) | -do- |
| 5. Mr Fazle Rabbi
President
West Bengal Board of Madrasa Education
Kolkata (West Bengal) | -do- |
| 6. Dr Pratibha Sharma
Joint Director
SCERT, New Delhi | -do-
(Represented Director,
SCERT, New Delhi) |
| 7. Prof. Rajaram Sharma
Joint Director, CIET | -do- |
| 8. Prof. R.B. Shivgunde
Joint Director, PSSCIVE, Bhopal | -do- |
| 9. Prof. Asfa M. Yasin
PSSCIVE, Bhopal | -do- |
| 10. Prof. V.K. Kakaria
Principal, RIE, Ajmer | -do- |
| 11. Prof. P.C. Agrawal
Dean of Instruction,
RIE, Ajmer | -do- |
| 12. Prof. H.K. Senapati
Principal, RIE, Bhopal | -do- |
| 13. Prof. Reeta Sharma
Dean of Instruction
RIE, Bhopal | -do- |
| 14. Prof. K.B. Rath
Principal, RIE, Bhubaneswar | -do- |
| 15. Prof. B.K. Parida
Dean of Instruction
RIE, Bhubaneswar | -do- |
| 16. Prof. D.G. Rao
Principal, RIE, Mysore | -do- |
| 17. Prof. V.D. Bhatt
Dean of Instruction
RIE, Mysore | -do- |
| 18. Prof. A. Sukumar
Principal, | -do- |

- NE-RIE, Umiam, (Meghalaya)
19. Prof. Subhash Chandra Roy -do-
NE-RIE, Umiam (Meghalaya)
 20. Prof. D.K. Vaid -do-
Head, IRD & Dean (C)
 21. Prof. Manju Jain -do-
Head, DEE
 22. Prof. A.K. Wazalwar -do-
Head, DESM
 23. Prof. Saroj Yadav -do-
Head, DESS
 24. Prof. P.K. Mandal -do-
DESS
 25. Prof. Chandra Sadayat -do-
Head, DEL
 26. Prof. K.C. Tripathi -do-
DEL
 27. Prof. Pawan Sudhir -do-
Head, DEAA
 28. Prof. Anita Julka -do-
Head, DEGSN
 29. Dr. Bharti -do-
DEGSN
 30. Dr. S.C. Chauhan -do-
DEGSN
 31. Prof. Gouri Srivastava -do-
Head, DWS
 32. Dr. Mona Yadav -do-
DWS
 33. Prof. Sridhar Srivastava -do-
Head, ESD
 34. Dr. Satya Bhushan -do-
ESD
 35. Dr. Gulfam, -do-
ESD
 36. Prof. B.P. Bhardwaj -do-
Head, DTE
 37. Prof. Daya Pant -do-
Head, DEPFE
 38. Prof. A.K. Srivastava -do-
Head, DER & PD
 39. Prof. Poonam Agrawal -do-
DER
 40. Prof. Ranjana Arora -do-
Head, RMSA Project Cell
 41. Dr. Sharad Sinha, -do-
RMSA Project Cell

42. Prof. R.K. Parashar Head, DEK	-do-
43. Dr. Moortimatti Samantaray, Head, LDD	-do-
44. Ms. Pooja Jain LDD	-do-
45. Dr. Ranjan Kumar Biswas CIET	-do-
46. Prof. M. Siraj Anwar Head, PMD	-do-
47. Dr. Inderjeet Dagar Principal, College of Vocational Studies, University of Delhi, New Delhi	Special Invitee
48. Dr. Naveen Kumar Singh School of Computer and Information Sciences, IGNOU, New Delhi	-do-
49. Prof. Santosh Sharma DEE	-do-
50. Prof. A.P. Behera CIET	-do-
51. Prof. Saurabh Prakash PSSCIVE, Bhopal	-do-
52. Prof. Anupam Ahuja DEGSN	-do-
53. Prof. Raj Rani DTE	-do-
54. Prof. Sunita Farkya, DESM	-do-
55. Dr. A.K. Rajput PMD	-do-
56. Dr. P. D. Subhash PMD	-do-

The following could not attend the meeting:

1. Joint Secretary (School 4)
Department of School Education and Literacy, MHRD,
New Delhi
2. Secretary, NCERT
3. Prof. N. Jayaram
Centre for Research Methodology, TISS, Mumbai
4. Dr. P.C. Sen
Chairman, Centre for Culture Resource & Training,
New Delhi
5. Dr. Shekhar Singh
Former Advisor to Planning Commission, New Delhi
6. Dr. Basab Banerjee
Head, Standards & QA, National Skill Development
Corporation , New Delhi

7. Director
SCERT, Hyderabad (A. P)
8. Director
SCERT, Aizwal (Mizoram)
9. Prof. Anjum Sibia
DEPFE
10. Dr Sharbari Bannerji
DEAA
11. Prof. Mangala Sunder K. Special Invitee
Deptt. of Chemistry
IIT Madras, Chennai
12. Dr. Ashok Kumar Gaba -do-
Associate Professor,
School of Vocational Education and Training, IGNOU,
New Delhi