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File No. NMEICT (MS)/PAB/20
Government of India
Ministry of HRD
Department of Higher Education

29th April, 2011

To

All Members of Empowered Committee of Experts
(Project Approval Board) of National Mission on
Education through Information and Communication
Technology (As per list enclosed)

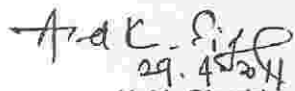
Sub: Draft Agenda Papers for 20th Meeting of the Empowered Committee of
Experts (Project Approval Board) of National Mission on Education
through Information and Communication Technology (NMEICT) to be
held on 2nd May, 2011 at 3.00 p.m.

Sir/Madam,

Enclosed please find Draft Agenda Papers for 20th Meeting of the
Empowered Committee of Experts (Project Approval Board) of National
Mission on Education through Information and Communication Technology
(NMEICT) to be held on **2nd May, 2011 at 3.00 p.m.** under the
Chairpersonship of Secretary, Department of Higher Education, Ministry of
Human Resource Development in **Conference Room (First Floor), Central
Secretariat Library (CSL) Building, Shastri Bhawan, New Delhi**

2. Kindly make it convenient to attend the meeting.

Yours faithfully,


29. 4. 2011
(A.K. Singh)
Director (ICT)

Copy to:

PSO to Secretary (HE), PSs to AS&FA and Additional Secretary (TEL) – for
information.

DRAFT AGENDA FOR 20TH MEETING OF PROJECT APPROVAL BOARD OF NATIONAL MISSION ON EDUCATION THROUGH INFORMATION AND COMMUNICATION TECHNOLOGY TO BE HELD ON 2nd MAY, 2011 AT 3.00 P.M. IN CONFERENCE ROOM (FIRST FLOOR), CENTRAL SECRETARIAT LIBRARY (CSL) BUILDING, SHASTRI BHAWAN, NEW DELHI

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Agenda Item No.1

The Minutes of the 19th Meeting of the Project Approval Board held on 15th March, 2011 are placed below (**Appendix-1 Page No._____**) for kind perusal and confirmation please.

Agenda Item No.2

The Action Taken Report on the Minutes of the 19th Meeting of the Project Approval Board held on 15th March, 2011 is given at **Appendix-2- (Page No.____)**.

Agenda Item No.3

Strengthening of the Standing Committee of NMEICT

The Agenda Note will be placed on the table.

Agenda Item No.4

Low Cost Access-cum-Computing Device – Future Roadmap and Strategy

Based on the decisions taken in the National Apex Committee and Project Approval Board, a sum of Rs.47.72 crore has been released to Indian Institute of Technology, Rajasthan by MHRD for the purpose of development of Low Cost Access-cum-Computing Device (LCAD) and a remarkable progress has reportedly been made in this regard by IIT, Rajasthan. 1 lakh pieces of LCADs are proposed to be procured for testing and field trial.

Guidance of PAB is solicited for future roadmap and strategy so that this objective of NMEICT is realized fruitfully.

Agenda Item No.5

Directions of PAB in cases where Principal Investigators (PIs) are no longer in the institutions concerned

Under the NMEICT Scheme, a number of projects have been approved by PAB and in one case, reference has been received from the Institutions concerned, stating that the Principal Investigator (PI) of the project has since left the Institution upon his selection elsewhere. Institutions has, therefore, requested to allow them to get the project (already sanctioned by MHRD) executed by another PI.

PAB is requested to consider the matter and give policy direction to deal with such cases.

Agenda Item No.6

Extension of pilot project, namely, Benchmarking of Information and Communication Technology modules in Physics and Chemistry - IIT, Kanpur

Under the NMEICT Scheme, Rs.2.02 crore was approved by PAB for release to Indian Institute of Technology, Kanpur for the pilot project, namely, **Benchmarking of Information and Communication Technology modules in Physics and Chemistry** and first instalment of Rs.1.01 crore was released to IIT, Kanpur vide this Department's sanction letter dt. 31.3.2009. As per this Department's sanction letter, the project was to be completed within one year.

IIT, Kanpur has requested for extension of the project.

The matter has been discussed in Standing Committee in its meeting held on 26.03.2011 and Standing Committee has recommended extension of one year without any additional financial implication.

Relevant extracts of Standing Committee meeting are as follows:

*PI: Prof. Gurunath and Prof. Theraja, IIT Kanpur
Title: Benchmarking of ICT modules in Physics and Chemistry
Institute: IIT Kanpur
CONTROL NUMBER:*

*Presented the progress of pilot phase. (1) wiki page (2) video (3) animation, etc. (4) tests, assignment, etc.
The URL is: ictwiki.iitk.ernet.in/wiki*

Syllabus is reviewed at the very beginning. Creators were taught how to use wiki.

*Project ends on 31 March 2011. Want extension of the project.
Content creation and review are some of the difficult things.*

21 courses in physics and 13 in chemistry.

6 are completed, in only one quadrant. Other courses in various stages of completion/review.

Future plan: do a workshop to bring the content providers and to publicise the activity to the users.

Unless partial payment is made, progress will not happen. So partial

payment is made.

Plagiarism detection free software of Virginia Tech. is used.

*The Pls Want an extension of one year without any additional funds.
The SC recommends this extension, without any additional financial
implication.*

PAB is requested to take a decision in the matter.

Agenda Item No.7

Connectivity to multi-campus universities under NMEICT Scheme

Under NMEICT scheme, 1 Gbps connectivity is being provided to Universities on 75:25 (90:10 in case of NER) sharing pattern. As per understanding reached between MHRD and Department of Information Technology, 419 Universities will be connected under NMEICT and beyond that (upto 800 as of now) under NKN.

It is also submitted that the matter has been informally discussed with BSNL to know whether it is possible for them to provide 1 Gbps connectivity to Universities having multi-campus or campuses by splitting the 1 Gbps bandwidth. BSNL has informed that technically it is possible but financially, it would cost more, i.e; approx. Rs. 20.00 lakh more per campus will be needed for providing connectivity in this manner.

PAB is requested to take a policy decision whether connectivity (subject to overall limit of 1 Gbps) could be provided to each campus or campuses (in the case of multi-campus universities) if a University specifically requests for connectivity under NMEICT scheme.

Agenda Item No.8

Reimbursement of expenses incurred by NIT, Kurukshetra

The Project Approval Board of NMEICT in its 15th meeting held on 24th May, 2010 had approved the following norms in respect of holding meetings.

Per head maximum expenditure for a day-long workshop:

Tea/Coffee (2 times)	Rs.20/-
Lunch	Rs.100/-

A meeting of the sub-committee for the State of Uttarakhand to monitor implementation of the NMEICT mission was convened on 14th December, 2010 at Institute of Hotel Management, Dehradun by NIT, Kurushetra. In this regard a bill for Rs.8513/- inclusive of VAT @ Rs.300/- per head has been submitted by NIT, Kurukshetra for reimbursement by the Mission Secretariat of NMEICT. No other charges for meeting hall etc have been claimed. As informed by Prof. Incharge CCN, NIT, Kurushetra the meeting was arranged by Principal Secretary (TE), Govt. of Uttarakhand at the above Institute of Hotel Management, Dehradun which is under Govt. of Uttarakhand.

In view of the above, PAB is requested to consider and take a decision in the matter.

Agenda Item No.9

UGC proposal – funding of a new project

In pursuance of the decision of the PAB in its 19th meeting held on 15th March, 2011, UGC was requested to make a presentation of their proposal before the Standing Committee. Dr.P.Prakash, Additional Secretary, UGC made the presentation before the Standing Committee on 27th April, 2011. The minutes of the Standing Committee are awaited.

Agenda Item No.10

Virtual Labs - Remote triggered experiments

In pursuance of the decision of the PAB in its 19th meeting held on 15th March, 2011, IIT, Delhi was requested to make a presentation of the financial due diligence before the Standing Committee.

A presentation was made by Prof. R.Bose of IIT, Delhi before the Standing Committee (SC) of NMEICT on 26th March, 2011. The SC asked Prof. Bose to work out some of the budget details, such as the workshop cost. This can be done based on the previous experience.

After working out the details, the PI was asked to make another presentation to the SC.

Prof.Ranjan Bose of IIT, Delhi, made the presentation before the Standing Committee on 27th April, 2011. The minutes of the Standing Committee are awaited.

Agenda Item No.11

Presentation by BSNL

A presentation will be made by BSNL.

Agenda Item No.12

Management Information System (MIS) of NMEICT – A presentation will be made by Prof.Uma Kanjilal, IGNOU

Additional Agenda Item

Additional Agenda Item No.1

Approval of Projects recommended by Standing Committee

Standing Committee in its various meeting recommended the following projects:

Standing Committee Meeting – 21st August, 2010 - Summary of DPR available

1. E-content generation for adult and non-formal education programme

The extracts of the SC meeting are as follows:

SUBMITTED BY :- R. Pandya
Institute: Faculty of family and community sciences, MS University, Baroda
CONTROL NUMBER :- DE-21071011123

The PIs have proposed the generation of three courses. They made an excellent presentation of the project proposal. The proposal is in the important area of adult and non-formal education. The Committee recommends this proposal. The projected expenses are within the norms allowed by the mission.

The PIs have not presented the details for the ten point assessment. They are asked to re-submit the proposal with this information. They need not make another presentation to the SC again.

One of the issues in adult and non-formal education is the teaching material to be used by the trainers. Consistent quality of it has to be ensured if the training is to succeed. The PIs may consider the spoken tutorials route for this purpose.

The Appraisal done by the Standing Committee is enclosed (**Appendix-3 – Page No._____**).

The Standing Committee recommended Rs.14,08,800 for pilot project in three subjects.

Standing Committee Meeting – 9th October, 2010

2. Development of e-content for undergraduate students in science in the area of chemical process industries, Dr. Nirmal Kumar Kantibhai Patel, NV Patel College of Pure and Applied Sciences.

The extracts of the SC meeting are as follows:

***DE-13091011333
Development of econtent for undergraduate students in science in the area
of chemical process
industries
Dr. Nirmal Kumar Kantibhai Patel, NV Patel College of Pure and Applied
Sciences.***

- after deliberation title – Heavy and fine chemicals
- to be as per UGC syllabus
- resubmission after adding topic and learning objectives for each lecture.
- Already done some part available at nkpatel.co.in.
- Costing as per the additions to be done, no money for already done work.
- Maximum upto 7 lakhs
- 100% in the beginning

The Appraisal done by the Standing Committee is enclosed (**Appendix-4 – Page No._____**)

The Standing Committee recommended Rs.7 lakhs for pilot (one course).

Standing Committee Meeting – 5th March, 2011

3. Development of e-courses in B.com, M.com, MBA

Prof. H. Venkateshwarlu Haripuram, Principal, University College of Commerce & Business Management, Osmania University, Hyderabad

The extracts of the SC meeting are as follows:

*PI: Prof. H. Venkateshwarlu Haripuram, Principal
Institute: University College of Commerce & Business Management,
Osmania University, Hyderabad-500007
email: Haripuram@yahoo.com
Mobile: 09848209660
Title: Development of e-courses in B.com, M.com, MBA
Control no.: Pe-14120910459*

*Proposes to deliver 175 courses of 7,000 hours in 4-quadrant
Demonstrated some lessons that the PI developed.*

The SC recommends the following two courses:

- a. *Business environment*
- b. *Financial accountancy*

with a total outlay of Rs. 14 lakhs.

The Committee recommends that the rest of the courses be proposed in a consortium mode and a presentation made again before further funding.

The Appraisal done by the Standing Committee is enclosed (**Appendix-5– Page No._____**).

The Standing Committee recommended Rs.14 lakhs for two pilots (One in Business Environment and second in Financial Accountancy). However, PI/Co-PI honorarium without participation in content development not recommended by the Standing Committee.

4. e-content for all media courses

**PI: Dr. N.S. AshoK Kumar, Professor & Coordinator, Dept of Electronic Media
Bangalore University, Palace Road, Bangalore**

The extracts of the SC meeting are as follows:

*PI: Dr. N.S. AshoK Kumar, Professor & Coordinator
Institute: Dept of Electronic Media Bangalore University, Palace Road,
Bangalore-560009
email: kumarnaashi@yahoo.com
Ph: 080-22961282
Title: e-content for all media courses
Control number: De-03081011176*

Broadcast journalism.

To produce multimedia lessons and video documentaries, to teach the nuances of TV and radio production. To incorporate motion video, graphics, animation, audio clips. To teach how to create multimedia.

27 e-courses that require TV studio will be useful to colleges that do not have access to such expensive studios.

Proposes to make them in 4-quadrant approach, suitable for 40 hours of lecture.

The total budget for this project is Rs. 1.89 crore, which is as per the funding norms of this Mission.

He proposes to make available these courses in Kannada language also.

The SC is appreciative of the project proposal. There has been no other proposal in this area. The PI is recommended to do two courses (Electronic media and animation) at Rs. 14 lakh as a pilot phase. The PI should also explain the use of FOSS tools as a part these courses. He is urged to complete the two courses ASAP.

After a review of these two courses, funds for the remaining courses can also be made available.

The Appraisal done by the Standing Committee is enclosed (**Appendix-5 – Page No._____**)

The Standing Committee recommended Rs.14 lakhs for two pilots (One - Introduction to Mass Communication and second Graphics and Animation).

Additional Agenda Item No.2

Salary of Consultants

EdCIL (India) Ltd. with whom the Department of Higher Education, MHRD has signed a Service Agreement for establishing a Mission Secretariat/TSG for NMEICT is in the process of recruiting Consultants for the Mission. In this regard, a letter No.10(560)/2010-Admn. dated 21.12.2010 regarding engagement of Senior Consultants for NMEICT project is enclosed. (**Page no._____**).

In this regard, an agenda was put up in the 18th PAB held on 24.01.2011 for allowing salary of consultants at Rs.75,000/- per month (consolidated) inclusive of all allowances. PAB after deliberations decided to have this matter internally discussed in MHRD in the first instance.

Meanwhile EdCIL (India) Ltd. in their 124th Meeting of the Board of Directors held on 25th March, 2011 had kept an agenda Item No.4 (**copy enclosed - Page No._____**) pertaining to Revision of fee for Consultants/Executives including Support Staff engaged on consultancy/contract basis for SSA and NPIU projects of MHRD.

As per Minutes (Item No.4) (**copy enclosed at pages**), it has been stated that the Board discussed the item and approved the proposal of enhancement of fee/remuneration range of Consultants/Support Staff in respect of SSA Projects w.e.f. 01.04.2011 and NPIU Project w.e.f. 11.02.2011. The Board also suggested the revised pay scale may be communicated to other TSGs also for their consideration and adoption within the lower and upper scales notified.

A proposal for adopting the revised consultancy fee/remuneration ranges, as approved by Board of Directors of EdCIL (India) Limited in the said meeting in respect of SSA, in respect of NMEICT Scheme also, has been referred to Integrated Finance Division (IFD) of MHRD. The return of the file is awaited.

It has been felt necessary to apprise PAB of the abovementioned proposal. PAB may also accord its approval for adopting the revised consultancy fee/remuneration ranges, as approved by Board of Directors of EdCIL (India) Limited in the said meeting in respect of SSA, in respect of NMEICT Scheme also, subject to concurrence of IFD of MHRD. In the above referred letter No.10(560)/2010-Admn. dated 21.12.2010 from EdCIL (India) Limited, 2 candidates were

recommended by the Selection Committee for Senior Consultant(s) post in the Engineering Discipline. Out of the 2 candidates, 1 candidate was recommend on deputation, who is going to retire by the end April, 2011. The other candidates was recommended at Rs.75,000/- p.m. who has already retired from service.

The above is put up to PAB for taking suitable decision.

Additional Agenda Item No.3

Office Premises for Mission Secretariat of NMEICT

The PAB in its 18th meeting held on 24th January, 2011 had decided that the tender inviting offers for hiring of office space for the Mission Secretariat of NMEICT may be re-advertised. Accordingly, EdCIL had re-advertized the requirement of office space on 2nd February, 2011. A Committee constituted by EdCIL had recommended the hiring of office space at Andhra Vanitha Mandali Bhawan, Azad Road, 1st Floor, ITO, New Delhi for the Mission Secretariat of NMEICT.

However, the above could not be materialized as the space was rented out by Andhra Vanitha Mandali Bhawan to some other organization. No other office space was recommended by the Committee.

The Mission Director, NMEICT had telephonically requested Vice-Chancellor, IGNOU for accommodating the office of the Mission Secretariat in IGNOU, who has kindly agreed to provide approximately 6000 sq.ft. area in the IGNOU campus at Maidan Garhi, New Delhi. In this regard a letter indicating the broad requirements of the Mission has also been sent to IGNOU.

The above is submitted for information of PAB.

Additional Agenda Item No.4

Project awarded to Indian Institute of Technology, Kharagpur under NMEICT

Under the NMEICT Scheme, PAB in its meeting held on 25.3.2009 had approved Rs.5.00 crore to Indian Institute of Technology, Kharagpur for the pilot project, namely, Developing suitable pedagogical methods for various classes, intellectual calibers and e-learning. This Department had released Rs.2.50 crore as First Instalment to IIT, Kharagpur

2. The matter was discussed in PAB meeting held on **24.1.2011**. The agenda placed before PAB is **enclosed (Page No._____)**. A copy of the relevant extracts of the minutes of PAB meeting held on 24.1.2011 is also **enclosed (Page No._____)**.

3, Vide his communication dated 1.4.2011 (**copy enclosed Page No._____**), Prof.A.K. Ray from IIT, Kharagpur, he had requested urgently a mail/letter from the MHRD stating that PAB accepted all the points made by him. He had requested that the following points should be clearly mentioned:

- (a) 10% of the project budget as total honorarium limit is not applicable.
- (b) Upper limit of honorarium for a project will be 3 months' salary. Honorarium from different projects should not be linked.
- (c) Partial payment should be allowed when a faculty gives undertaking to complete the project in time.
- (d) None of the clauses inserted subsequent to the release of the original grant should be applicable.
- (e) Pilot phase should be extended by 6 months from the date of release of the remaining grant.

4, He had also requested that the 2nd instalment of Rs.2.5 crore should be released immediately. The project has almost ground to a halt because of various delays.

5. The following issues need to be considered:

- (a) Extension of the pilot phase by further six months, as recommended by the SC;
- (b) Release of 2nd instalment of Rs.2.50 crore to IIT, Kharagpur for the said pilot project;

- (c) Acceptance of all the points made by Prof. A.K. Ray in PAB of NMEICT's meeting held on 24.1.2011.

The file was sent to Integrated Finance Division (IFD) of MHRD, stating, inter alia, that 5(c) above was agreed to but not recorded specifically. Hence, it may be clarified to Prof. Ray. IFD was requested to consider 5(a) above as well.

6. The following is also submitted here:

- (a) As of now, the following clauses pertaining to payment of honorarium are being mentioned in this Department's sanction letters. Draft sanction letter was got vetted by IFD:
 - (i) Honorarium, if any, shall be payable only after completion of the project and acceptance of deliverables by the Government of India, Department of Higher Education, Ministry of Human Resource Development. The honorarium shall be regulated strictly as per rules and regulations in force from time to time which, inter alia, includes provision of SR 12 and within the prescribed ceilings.
 - (ii) Further the honorarium in no case shall exceed 10% of the cost of project and no one individual would get more than 20% of his/her annual salary as honorarium for the whole year including honorarium received from any other source whatsoever.
- (b) No response has been received from IIT, Kharagpur to this MHRD's letter dated 23.3.2011 (copy **enclosed Page No.**_____).
- (c) IIT, Kharagpur had presented the work done by them w.r.t. above pilot project during the Standing Committee meeting held on 26.03.2011. As per minutes of this meeting (relevant extract **enclosed (Page No.**_____)), this pilot project was discussed and Standing Committee evaluated the progress of the pilot phase work, was satisfied with the work and hence Prof. Ray was requested to submit the DPR.

Prof. Ray informed Standing Committee that the 2nd instalment of the pilot phase project has not been released yet and hence they are unable to complete the pilot phase itself. The Standing Committee recommended the second phase of the pilot phase project be released. The SC also recommended an extension of six months to complete the project, without any additional financial implication. The SC agreed with the PI that in projects such as this, a major expense is the course creator honorarium. It is required to come up with acceptable norms so that the course creation can proceed. The SC further recommended that the pilot phase project be completed and that the DPR of the main phase be submitted.

7. In response, Integrated Finance Division (IFD) of MHRD has, inter alia, observed as follows on file:

(a) The proposal for extension of the project cannot be considered in isolation without commenting upon the conditions put forward by Prof. A.K. Ray of IIT, Kharagpur. The fact remains that the conditions referred to by Prof. A.K. Ray are not unique to this Pilot Project but are universally applied to all other projects. Therefore, an exception cannot be made for this project. The minutes of the PAB meeting held on 24.1.2011 do not reflect any decision having been taken by PAB to waive these conditions in respect of this pilot project.

(b) As regards extension of the project, it needs to be noted that the project was to be completed within a period of one year after receipt of grant-in-aid from the Ministry. The 1st instalment was released in March, 2009 and a period of two years is already over. A six months extension, therefore, would appear to be meaningless. However, only 50% of the sanctioned amount of Rs.5.00 crore has been release so far.

(c) This means that the progress of the project is not completely satisfactory. Even after two years of the release of the 1st instalment, status report on the project and UC for the amount released is yet to be received.

(d) The Bureau needs to be take up with IIT, Kharagpur for speeding up the implementation of the project and producing documents which would enable release of the 2nd instalment. They should also be advised to drop the conditions put forward by them for

continuation of the project and seek an extension keeping in view the time overlap that has already taken place.

8. Thereafter, the matter has been discussed by Mission Director/AS(TEL), MHRD with Secretary, Department of Higher Education (Chairperson, PAB of NMEICT) and it has been decided to put up agenda note for PAB to rectify the anomaly.

9. Accordingly, the above agenda note is placed before PAB to take a view/decision.

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MINUTES OF 19TH MEETING OF PROJECT APPROVAL BOARD OF NATIONAL MISSION ON EDUCATION THROUGH INFORMATION AND COMMUNICATION TECHNOLOGY HELD ON 15TH MARCH, 2011 AT 4.00 P.M. IN CONFERENCE ROOM (FIRST FLOOR), CENTRAL SECRETARIAT LIBRARY (CSL) BUILDING, SHASTRI BHAWAN, NEW DELHI

The 19th Meeting of the Empowered Committee of Experts (Project Approval Board) (PAB) of National Mission on Education through Information & Communication Technology was held on 15th March, 2011 at 4.00 p.m. in Conference Room, Central Secretariat Library (CSL), Building, Shastri Bhawan, New Delhi under the Chairpersonship of Secretary, Department of Higher Education.

The list of participants is at **Annexure**.

Mrs.Vibha Puri Das, Secretary, Department of Higher Education welcomed all the participants. Thereafter, agenda items were discussed and the following decisions were taken:

Item No.1:

Chairperson requested all the members to give their comments on the Minutes of the 18th PAB Meeting. No comments were received. Thereafter, the Minutes of the 18th Meeting of the Project Approval Board held on 24th January, 2011 were confirmed.

Item No.2

The Action Taken Report on the Minutes of the 18th Meeting of the Project Approval Board held on 24th January, 2011 was noted by the PAB.

Item No.3

Review of Decision-National Programme on Radio Enabled Learning by Commonwealth Educational Media Centre for Asia (CEMCA), New Delhi.

PAB considered the agenda item placed before it and directed that IGNOU may submit a fresh proposal in this regard to the NMEICT involving other suitable partners.

Item No.4

Low Cost Access-cum-Computing Device

The revised agenda on this issue was considered by the PAB.

Prof.Prem Kalra, Director, IIT Rajasthan presented before the PAB the present status/progress of development of Low Cost Access-cum-Computing Devices. PAB while taking note of the report of the IIT, Rajasthan, observed that the project of development and procurement of low cost access-cum-computing devices has been allotted to IIT, Rajasthan and as such they are the best judge regarding the tender process followed by them. PAB, therefore, did not associate itself with the tendering process. After in-depth deliberations and in view of the clear and unequivocal recommendations of the Standing Committee for additional funds of Rs.6.22

crore as requested by IIT, Rajasthan over and above Rs.41.50 crore approved by National Apex Committee/PAB in the earlier meeting held on 1.9.2010, PAB approved the additional funds of Rs.6.22 crore to IIT, Rajasthan and in accordance with the recommendations of the Standing Committee, directed that the expenditure be booked as follows:

Rs.25.00 crore from the Mission activity head - Testing and Development of LCADs.

Rs.22.72 crore from the Mission activity head - Teachers Empowerment 'A'.

Thus, the total cost of the project would stand revised to Rs.47.72 crore.

Item No.5

Approval of Pilot project - e-content Development of Marketing Management, PI: Jaydeep Badiyani, Bhavnagar University

CONTROL NUMBER :- JE-20071011105

The PAB approved Rs.14 lakhs for preparation of two pilots. However, the PAB desired that the deliverables given in the appraisal note of the Standing Committee may form part of the sanction letter.

Item No.6

Approval of Pilot project - e-Content generation for students of science in graduate programmes – PI: Dr.Mandira Sikdar, Navrachna University, Vadodara, Gujarat

Control No.ME-24091011358

The PAB approved Rs.7 lakhs for preparation of one pilot. However, the PAB desired that the deliverables given in the appraisal note of the Standing Committee may form part of the sanction letter.

Item No.7

Approval of Projects recommended by Standing Committee

7.1 Production of courseware e-content development, video programmes and learning object repositories on climate change, SUBMITTED BY:. A. Aram and B. K. Panda, Anna University

CONTROL NUMBER :- DE-09071011047

The PAB approved that this project be supported for a total sum of Rs. 56 lakh. Rs.14 lakhs be given at the beginning for preparation of two courses to be completed in first six months. Based on the quality of these courses, the rest of the money will be released. However, the PAB desired that the deliverables given in the appraisal note of the Standing Committee may form part of the sanction letter.

7.2. e-Content Development for the course: “Family and Community Resource Management” by Dr. Neerja Jaiswal, The Maharaja Sayajirao University of Baroda, Gujarat, India.

Control Number: DE-28081011280

PAB approved Rs.7 lakhs for a pilot to be completed in six months. However, the PAB desired that the deliverables given in the appraisal note of the Standing Committee may form part of the sanction letter.

7.3 Generation of Exhaustive E-content on Theory and Practice of Literacy Translation for Students of Intermediate and Advanced Levels by Dr. Hemang A. Desai, N.V. Patel College of Pure and Applied Sciences, Gujarat, India.

Control Number: HE-10091011329

PAB approved Rs.7 lakhs for a pilot to be completed in six months. However, the PAB desired that the deliverables given in the appraisal note of the Standing Committee may form part of the sanction letter.

7.4 Creation of E-contents on Fermentation Technology by Dr. Ramesh Kothari, Department of Microbiology, Christ College, Gujarat, India.

Control No: RE-02091011297

PAB approved Rs.6.71 lakhs for a pilot to be completed in six months. However, the PAB desired that the deliverables given in the appraisal note of the Standing Committee may form part of the sanction letter.

Item No.8

Strengthening of Mission Secretariat

PAB considered this Item and while appreciating the urgent need to strengthen the Mission Secretariat PAB decided that for Sr. Consultants following qualifications, experience, etc may be insisted:

1. M.Tech, M.Sc. or Post-graduate.
2. Experience in Monitoring of projects, Ph.D will be an advantage.

It was also suggested that engagement of retired persons could also be considered. Fresh attempt is to be made for recruitment keeping these observations in view.

Item No.9

Virtual Labs - Remote triggered experiments

Director, IIT Delhi mentioned that the proposal had been recommended by the Standing Committee but the financial due diligence requested could not be done by it within the short-time available. He informed that if the project was not sanctioned early, the staff available could wither away after 31st March, 2011 and arranging for the staff would cause delays. Hence, it was requested by him to allow retention of manpower for the project beyond 31st March, 2011 and to consider and approve the project at the earliest. In view of importance of the project, PAB approved ,in principle, the request of Director, IIT Delhi. Meanwhile due diligence may be done by the Standing Committee. PAB also authorized Chairperson, PAB to then take a decision on the proposal of IIT Delhi for Virtual Labs-Remote triggered experiments and submit it for ratification in the next meeting of PAB.

Item No.10

UGC proposal

Shri N.K.Sinha, AS(TEL) informed PAB that some interim proposal has been submitted by UGC which needs to be firmed up with project cost. PAB felt that involvement of UGC in NMEICT is very essential and the matter needs to be followed up with UGC. PAB further directed that the proposal of UGC must be examined by the Standing Committee first and its recommendations be placed before the PAB. PAB also suggested that an appropriate standing committee/coordination committee may be formed by the UGC for assigning content development tasks to various experts in the country and after chalking out project details for making presentation before the Standing Committee of the NMEICT and PAB as per established procedure under NMEICT. After due approvals, UGC may ensure monitoring for timely accomplishment of deliverables.

Additional Item

NIFT Chennai coordinated consortium

Title: E-content for fashion design and technology subjects

CONTROL NUMBER: De-1008 1011 211

Prof. Kannan Moudgalaya (Member, Standing Committee) from IIT, Bombay informed PAB that the above mentioned proposal submitted by NIFT to NMEICT has been examined and scrutinized by the Standing Committee but could not be included in the Agenda Papers for this meeting of PAB held today i.e. 15.3.2011. He also informed that this is a good proposal and Standing Committee has recommended Rs.7.75 crore approximately for this project. PAB felt that since no agenda has been circulated, it would be better that Chairperson, PAB may be authorized to take a decision in this regard. Accordingly, Chairperson was authorized to take the decision in the matter. It was also decided that simultaneously, this Agenda item may be circulated to all members of PAB through e-mail.

Other issues

- PAB directed to invite NIT, Warangal to make a presentation on the project awarded to it under NMEICT in the next meeting of PAB.
- Dr. B.K. Murthy from DIT informed PAB that DIT organizes an exhibition of various projects approved by it. He further suggested that similar exhibition could be thought of in so far as NMEICT is concerned. This suggestion was welcomed by PAB and PAB decided that possibility be explored for organizing such an exhibition of the projects sanctioned under NMEICT to various institutions. This activity will help popularize the Mission and also in reviewing the projects sanctioned.
- Shri Anil Jain from BSNL apprized PAB of the progress made on connectivity matters under NMEICT. He also drew attention of PAB to the fact that some of the institutions are not willing to accept the facility of connectivity being provided under NMEICT. PAB directed BSNL to submit such list of institutions to PAB. Shri Anil Jain also requested for one piece of prototype of LACD for testing purposes along with connectivity being provided by them. PAB accepted this request and decided to provide the same at appropriate time.

There being no other item, the meeting ended with a Vote of Thanks to the Chair.

Annexure

Attendance for the 19th Project Approval Board (PAB) Meeting Held on 15th March 2011 at 4.00 PM under the Chairpersonship of Secretary, Dept of Higher Education, Ministry of Human Resource Development in Conference Room (First Floor), Central Secretariat Library (CSL) Building, Shastri Bhawan, New Delhi

Sl. No.	Name, Designation and Address	Email	Phone / Mobile No
1	Ms. Vibha Puri Das Secretary (HE) MHRD, Shastri Bhawan, New Delhi	Chairperson	
2	Mr. N.K.Sinha Additional Secretary(TEL) Department of Higher Education, MHRD, Shastri Bhawan, New Delhi	nksinha.edu@nic.in	011-23387781
3	Shri R P Agrawal Chairman, BOG, IIT Delhi	Rpa1949@gmail.com	9910823311 0120-2395012
4	Shri S.K. Ray AS & FA MHRD, New Delhi		9868886588
5	Prof. S. Prasad Director IIT, Delhi		9810350517
6	Prof. S C Saxena Director IIT, Roorkee Roorkee-247667 Uttarakhand	director@iitr.ac.in saxenasuresh@yahoo.co.in	01332-272742 -285500 09412074950
7	Prof. P K Kalra Director IIT, Rajasthan	drpremkalra@gmail.com	
8	Devane Khakhar Director, IIT Bombay	director@iitb.ac.in	9820605351
9	Prof.Sanjay G. Dhande Director IIT, Kanpur	sgd@iitk.ac.in	9415042486 0512-2590763
10	Prof. V N Rajasekharan Pillai Vice Chancellor IGNOU, New Delhi	vc@ignou.ac.in	011-29532484

11	Prof. M D Tiwari Director, IIT, Allahabad-211012	mdt@iiita.ac.in	9415235175 0532-2922222
12	Dr. B K Murthy HOD, NKN DIT, Ministry of Communication and Information Technology Govt. of India Lodhi Road, New Delhi	bkm@mit.gov.in	9810601683 011-24360234
13	Dr. P S Robi Professor Dean (R&D) IIT, Guwahati	psr@iitg.ernet.in	09957557637
14	Prof. Kannan Moudgalya IIT, Bombay	kannan@iitb.ac.in	9869326979
15	Shri Anil Jain Sr. G.M. (NWP-BB) BSNL, Janpath, New Delhi		9868887007
16	Dr. Harvinder Singh Director (TEL) MHRD, Shastri Bhawan New Delhi		23382604
17	Shri R. Saji Kumar Addl. GM (NWP-BB) BSNL, New Delhi	rsajikumar@bsnl.co.in	9868280066
18	Dr. Jaison A. Manjaly Assistant Professor IIT, Gandhi Nagar	jmanjaly@iitgn.ac.in	9227508985
19	Shri Milind Kulkarni Scientist 'F' D/o Science Technology New Delhi		9868899962
20	Shri Ajit Kumar Kolar Professor Chairman, Centre for Govt. Edu. IIT Madras Representi : Prof. Annanth, Director, IITM	kolar@iitm.ac.in	09444008700
21	Prof. Ranjan Bose IIT, Delhi	Rbose.iitd@gmail.com	
22	Shri Raj Kumar Under Secretary (TEL) MHRD, New Delhi		
23	Krishnashree A Amrita University	Krishna@amrita.edu	9895483974

ACTION TAKEN NOTE ON THE

19TH MEETING OF PROJECT APPROVAL BOARD OF NATIONAL MISSION ON EDUCATION THROUGH INFORMATION AND COMMUNICATION TECHNOLOGY HELD ON 15TH MARCH, 2011

Item No.	Action Taken
<p>Item No.1:</p> <p>Chairperson requested all the members to give their comments on the Minutes of the 18th PAB Meeting. No comments were received. Thereafter, the Minutes of the 18th Meeting of the Project Approval Board held on 24th January, 2011 were confirmed.</p>	<p>Minutes confirmed</p>
<p>Item No.2</p> <p>The Action Taken Report on the Minutes of the 18th Meeting of the Project Approval Board held on 24th January, 2011 was noted by the PAB.</p>	<p>Noted please.</p>
<p>Item No.3</p> <p>Review of Decision-National Programme on Radio Enabled Learning by Commonwealth Educational Media Centre for Asia (CEMCA), New Delhi.</p> <p>PAB considered the agenda item placed before it and directed that IGNOU may submit a fresh proposal in this regard to the NMEICT involving other suitable partners.</p>	<p>Fresh proposal from IGNOU is awaited.</p>
<p>Item No.4</p> <p>Low Cost Access-cum-Computing Device</p> <p>The revised agenda on this issue was considered by the PAB.</p> <p>Prof.Prem Kalra, Director, IIT Rajasthan presented before the PAB the present status/progress of development of Low Cost Access-cum-Computing Devices. PAB while taking note of the report of the IIT, Rajasthan, observed that the project of development and procurement of low cost access-cum-computing devices has been allotted to IIT, Rajasthan and as such they are the best judge regarding the tender process followed by them. PAB, therefore, did not associate itself with the tendering process. After in-depth deliberations and in view of the clear and unequivocal recommendations of the Standing Committee for additional funds of Rs.6.22 crore as requested by IIT, Rajasthan over and above Rs.41.50 crore approved by National Apex Committee/PAB in the</p>	<p>A total of Rs.47.72 crore has been released to IIT, Rajasthan.</p>

<p>earlier meeting held on 1.9.2010, PAB approved the additional funds of Rs.6.22 crore to IIT, Rajasthan and in accordance with the recommendations of the Standing Committee, directed that the expenditure be booked as follows:</p> <p>Rs.25.00 crore from the Mission activity head - Testing and Development of LCADs.</p> <p>Rs.22.72 crore from the Mission activity head - Teachers Empowerment 'A'.</p> <p>Thus, the total cost of the project would stand revised to Rs.47.72 crore.</p>	
<p>Item No.5</p> <p>Approval of Pilot project - e-content Development of Marketing Management, PI: Jaydeep Badiyani, Bhavnagar University</p> <p>CONTROL NUMBER :- JE-20071011105</p> <p>The PAB approved Rs.14 lakhs for preparation of two pilots. However, the PAB desired that the deliverables given in the appraisal note of the Standing Committee may form part of the sanction letter.</p>	<p>File has been processed by the TEL Division.</p>
<p>Item No.6</p> <p>Approval of Pilot project - e-Content generation for students of science in graduate programmes – PI: Dr.Mandira Sikdar, Navrachna University, Vadodara, Gujarat</p> <p>Control No.ME-24091011358</p> <p>The PAB approved Rs.7 lakhs for preparation of one pilot. However, the PAB desired that the deliverables given in the appraisal note of the Standing Committee may form part of the sanction letter.</p>	<p>File is under process.</p>
<p>Item No.7</p> <p>Approval of Projects recommended by Standing Committee</p> <p>7.1 Production of courseware e-content development, video programmes and learning object repositories on climate change, SUBMITTED BY:. A. Aram and B. K. Panda, Anna University</p> <p>CONTROL NUMBER :- DE-09071011047</p> <p>The PAB approved that this project be supported for a total sum of Rs. 56 lakh. Rs.14 lakhs be given at the beginning for preparation of two courses to be completed in first six months. Based on the quality of these courses, the rest of the money will be released. However, the PAB desired that the deliverables given in the</p>	<p>File has been processed by the TEL Division.</p>

<p>appraisal note of the Standing Committee may form part of the sanction letter.</p> <p>7.2. e-Content Development for the course: “Family and Community Resource Management” by Dr. Neerja Jaiswal, The Maharaja Sayajirao University of Baroda, Gujarat, India.</p> <p>Control Number: DE-28081011280</p> <p>PAB approved Rs.7 lakhs for a pilot to be completed in six months. However, the PAB desired that the deliverables given in the appraisal note of the Standing Committee may form part of the sanction letter.</p>	<p>File has been processed by the TEL Division.</p>
<p>7.3 Generation of Exhaustive E-content on Theory and Practice of Literacy Translation for Students of Intermediate and Advanced Levels by Dr. Hemang A. Desai, N.V. Patel College of Pure and Applied Sciences, Gujarat, India.</p> <p>Control Number: HE-10091011329</p> <p>PAB approved Rs.7 lakhs for a pilot to be completed in six months. However, the PAB desired that the deliverables given in the appraisal note of the Standing Committee may form part of the sanction letter.</p>	<p>File has been processed by the TEL Division.</p>
<p>7.4 Creation of E-contents on Fermentation Technology by Dr. Ramesh Kothari, Department of Microbiology, Christ College, Gujarat, India.</p> <p>Control No: RE-02091011297</p> <p>PAB approved Rs.6.71 lakhs for a pilot to be completed in six months. However, the PAB desired that the deliverables given in the appraisal note of the Standing Committee may form part of the sanction letter.</p>	<p>File has been processed by the TEL Division.</p>
<p>Item No.8</p> <p>Strengthening of Mission Secretariat</p> <p>PAB considered this Item and while appreciating the urgent need to strengthen the Mission Secretariat PAB decided that for Sr. Consultants following qualifications, experience, etc may be insisted:</p> <ol style="list-style-type: none"> 3. M.Tech, M.Sc. or Post-graduate. 4. Experience in Monitoring of projects, Ph.D will be an advantage. 	<p>Noted please.</p>

<p>It was also suggested that engagement of retired persons could also be considered. Fresh attempt is to be made for recruitment keeping these observations in view.</p> <p>Item No.9</p> <p>Virtual Labs - Remote triggered experiments</p> <p>Director, IIT Delhi mentioned that the proposal had been recommended by the Standing Committee but the financial due diligence requested could not be done by it within the short-time available. He informed that if the project was not sanctioned early, the staff available could wither away after 31st March, 2011 and arranging for the staff would cause delays. Hence, it was requested by him to allow retention of manpower for the project beyond 31st March, 2011 and to consider and approve the project at the earliest. In view of importance of the project, PAB approved ,in principle, the request of Director, IIT Delhi. Meanwhile due diligence may be done by the Standing Committee. PAB also authorized Chairperson, PAB to then take a decision on the proposal of IIT Delhi for Virtual Labs-Remote triggered experiments and submit it for ratification in the next meeting of PAB.</p>	<p>A presentation was made by Prof. R.Bose of IIT, Delhi before the Standing Committee (SC) of NMEICT on 26th March, 2011. The SC asked Prof. Bose to work out some of the budget details, such as the workshop cost. This can be done based on the previous experience.</p> <p>After working out the details, the PI is asked to make another presentation to the SC.</p>
<p>Item No.10</p> <p>UGC proposal</p> <p>Shri N.K.Sinha, AS(TEL) informed PAB that some interim proposal has been submitted by UGC which needs to be firmed up with project cost. PAB felt that involvement of UGC in NMEICT is very essential and the matter needs to be followed up with UGC. PAB further directed that the proposal of UGC must be examined by the Standing Committee first and its recommendations be placed before the PAB. PAB also suggested that an appropriate standing committee/coordination committee may be formed by the UGC for assigning content development tasks to various experts in the country and after chalking out project details for making presentation before the Standing Committee of the NMEICT and PAB as per established procedure under NMEICT. After due approvals, UGC may ensure monitoring for timely accomplishment of deliverables.</p>	<p>Dr.P.Prakash, Additional Secretary, UGC made the presentation before the Standing Committee on 27th April, 2011. The minutes of the Standing Committee are awaited.</p>

<p>Additional Item</p> <p>NIFT Chennai coordinated consortium Title: E-content for fashion design and technology subjects CONTROL NUMBER: De-1008 1011 211</p> <p>Prof. Kannan Moudgalaya (Member, Standing Committee) from IIT, Bombay informed PAB that the above mentioned proposal submitted by NIFT to NMEICT has been examined and scrutinized by the Standing Committee but could not be included in the Agenda Papers for this meeting of PAB held today i.e. 15.3.2011. He also informed that this is a good proposal and Standing Committee has recommended Rs.7.75 crore approximately for this project. PAB felt that since no agenda has been circulated, it would be better that Chairperson, PAB may be authorized to take a decision in this regard. Accordingly, Chairperson was authorized to take the decision in the matter. It was also decided that simultaneously, this Agenda item may be circulated to all members of PAB through e-mail.</p>	<p>Fresh proposal placed before PAB as Agenda Item.</p>
<p>Other issues</p> <ul style="list-style-type: none"> • PAB directed to invite NIT, Warangal to make a presentation on the project awarded to it under NMEICT in the next meeting of PAB. • Dr. B.K. Murthy from DIT informed PAB that DIT organizes an exhibition of various projects approved by it. He further suggested that similar exhibition could be thought of in so far as NMEICT is concerned. This suggestion was welcomed by PAB and PAB decided that possibility be explored for organizing such an exhibition of the projects sanctioned under NMEICT to various institutions. This activity will help popularize the Mission and also in reviewing the projects sanctioned. • Shri Anil Jain from BSNL apprized PAB of the progress made on connectivity matters under NMEICT. He also drew attention of PAB to the fact that some of the institutions are not willing to accept the facility of connectivity being provided under NMEICT. PAB directed BSNL to submit such list of institutions to PAB. Shri Anil Jain also requested for one piece of prototype of LACD for testing purposes along with connectivity being provided by them. PAB accepted this request and decided to provide the same at appropriate time. 	<p>NIT, Warangal's presentation is listed as Agenda Item.</p> <p>BSNL may apprise PAB.</p>