File No.NMEICT (MS)/PAB/1
Government of India
Ministry of Human Resource Development

National Mission on Education through Information & Communication
Technology
(NMEICT), IGNOU Campus (Convention Centre),
Maidan Garhi, New Delhi

(Mission Secretariat)

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New Delhi, the 25th August, 2009

Subject: Minutes of the **Eighth** Meeting of the Empowered Committee of
Experts (Project Approval Board) of the National Mission on
Education through Information and Communication Technology
(ICT) – regarding.

A copy of the Minutes of the **Eighth** Meeting of the Empowered
Committee of Experts (Project Approval Board) of the National Mission on
Education through Information and Communication Technology   (ICT), a
Centrally Sponsored Scheme, held on 28th July, 2009 at 3.30 p.m. under the
Chairpersonship of Secretary, Department of Higher Education, Ministry of
Human Resource Development, in Conference Room No.112-C Wing, Shastri
Bhawan, New Delhi is sent herewith for information and necessary action.

(Harvinder Singh)
Deputy Secretary (PAE) & Nodal Officer (NMEICT)
Tele: 23382604

Encl: As above.

All members of the Project Approval Board of National Mission on Education
through Information and Communication Technology (ICT) [As per list
enclosed].

**Copy, along with a copy of Minutes, to: Sr. PPS to Secretary (HE) &
Chairperson,   PAB   and   JS(DL)/Member   Secretary,   PAB   -   for
information.**

<u>Copy, along with a copy of Minutes, also to:</u>

1. Shri Amitabh Bhattacharya,
   Principal Adviser (Education),
   Planning Commission,
   New Delhi.   **(Fax No.23096623)**

2. Shri Furqan Qamar,
   Adviser (Education),
   Planning Commission,
   New Delhi.   **(Fax No.23096548)**

3. Shri N. Ravi Shanker,
   Joint Secretary,
   Department of Information Technology,
   Electronics Niketan,
   CGO Complex, Lodhi Road,
   New Delhi.   **(Fax No.24363099)**

4. Shri Subodh Kumar,
   Additional Secretary,
   Department of Telecommunications,
   Sanchar Bhawan,
   New Delhi.   **(Fax No.23350495)**

5. Prof. Ajay Chakraborty,
   Dean (CE),
   Indian Institute of Technology,
   Kharagpur.   **(Fax No.91-3222-82000)**

6. Shri R.K. Shevgaonkar,
   Dy. Director,
   Indian Institute of Technology,
   Bombay.   **(FaxNo.91-22-5723546)**

7. Prof. K. Mangala Sunder,
   Professor, Chemistry and
   NPTEL Coordinator,
   Indian Institute of Technology, Madras,
   Chennai   **(Fax No.91-44-225780)**

8. Shri A. Bhaskaranarayana,
   Scientific Secretary,
   Indian Space Research Organization (ISRO),
   Antariksh Bhawan,
   New BEL Road,
   Bangalore – 560094. **(FAX No.080-23415229)**

9. Ms. Shakila Shamsu,
    Joint Adviser (Edn.),
    Planning Commission,
    Yojana Bhawan, New Delhi.

10. Shri J.S. Deepak,
    Joint Secretary,
    Department of Telecommunications,
    Sanchar Bhawan, New Delhi.

11. Dr. Prem K. Kalra,
    Director, IIT, Rajasthan,
    C/o Indian Institute of Technology, Kanpur,
    Kanpur.

12. Shri Anil Jain,
    General Manager (BP-CFA),
    BSNL, New Delhi

13. Shri B.K. Murthy,
    NIC, Department of IT,
    New Delhi

14. Prof. K.R. Srivathnan,
    IGNOU, New Delhi

15. Dr.D.K. Paliwal,
    DEA (DL),
    Department of Higher Education,
    New Delhi

16. Shri Mithun Dutta,
    System Administrator,
    E-Gyankosh,
    Indira Gandhi National Open University (IGNOU)
    Maidan Garhi, New Delhi.   **He is requested to upload the**
    Minutes sent herewith on the SAKSHAT Portal immediately.

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Project Approval Board of National Mission on Education through Information and Communication Technology (ICT)

List of Members

1. Secretary,
   Department of Higher Education,
   Chairperson
   Ministry of Human Resource Development
   Shastsri Bhawan, New Delhi.   Chairperson

2. Additional Secretary, & Financial Adviser,
   Department of Higher Education.
   Ministry of Human Resource Development,
   Shastri Bhawan, New Delhi

3. Secretary,
   Planning Commission
   Yojana Bhawan,
   New Delhi.   Fax No : 23096575)

4. Secretary,
   Department of Telecommunications
   Sanchar Bhawan,
   New Delhi.   (Fax No.23711514)

5. Secretary,
   Department of Information Technology
   Ministry of Communication and Information Technology,
   CGO Complex, Lodhi Road,
   New Delhi.   (Fax No.24363134)

6. Secretary,
   Department of Space,
   Lok Nayak Bhawan,
   New Delhi.   (Fax No. 080-2345328)

7. Dr. A. Mukhopadhyay
   Adviser/Scientist 'G', SERC Division,
   M/o Science & Technology, D/o Science & Technology,
   Technology Bhawan,
   New Delhi – 110 016.   **(Fax No.26602193)**

8. Director,
   Indian Institute of Technology,
   Powai
   Mumbai-400076   (Fax No. 91-22-25723546)

9. Director,
    Indian Institute of Technology,
    Roorkee-247667
    Uttrakhand)   (Fax No.91-1332-273560)

10. Director,
    Indian Institute of Technology,
    North Guwahati   (Fax No.91-361-2690762)
    Guwahati-781039(Assam)   (Fax No.91-361-2692321)

11. Director,
    Indian Institute of Technology,
    P O Kharagpur-721302   (Fax No.91-3222-282000)

12. Director,
    Indian Institute of Technology,
    PO IIT,
    Chennai -600036   (Fax No.91-44-22578003)

13. Director,
    Indian Institute of Technology (Fax No.91-512-2597790)
    Kanpur-208016 (U.P)   (Fax No.91-512-2590260)

14. Director,
    Indian Institute of Science,
    Bangalore-560 012
    Karnataka   (Fax No.91-80-23600936)

15. Director,
    Indian Institute of Technology,
    Hauz Khas,
    New Delhi-110 016   (Fax No.91-11-26582659)

16. Prof. V.N. Rajashekhar Pillai,
    Vice-Chancellor,
    Indira Gandhi National Open University (IGNOU),
    Maidan Garhi, New Delhi

17. Prof. Pramod Tandon,
    Vice-Chancellor,
    North Eastern Hill University (NEHU),
    Shillong

18. Prof. H.P. Kincha,
    Vice-Chancellor,
    Visvesvaraya Technological University, Belgaum

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<u>Minutes of the **Eighth** Meeting of the Empowered Committee of Experts (Project Approval Board) of the National Mission on Education Through Information and Communication Technology (ICT) held on 28th July, 2009 at 3.30 p.m. in Conference Room No.112-C Wing, Shastri Bhavan, New Delhi under the chairpersonship of Secretary, Department of Higher Education</u>

The Eighth Meeting of the Empowered Committee of Experts (Project Approval Board) (PAB) of National Mission on Education through Information & Communication Technology was held on 28th July, 2009 at 3.30 p.m. in Conference Room No.112-C Wing, Shastri Bhavan, New Delhi under the chairpersonship of Secretary, Department of Higher Education.

The list of Committee Members who participated in the meeting is at Annexure-I.

Shri R.P.Agrawal, Secretary, Department of Higher Education welcomed all the Members and also welcomed Prof.H.P. Khincho, Vice-Chancellor, Visvesvaraiah Technology University, Karnataka as he was attending the meeting for the first time. Thereafter, agenda items were discussed and the following decisions were taken:

Item No.1:

Chairperson requested all the Committee Members to give their comments, if any, on the Minutes of the 7th PAB Meeting. Since no comments were received, the Minutes of the 7th PAB Meeting held on 2nd July, 2009 were then confirmed.

Item No.2:

Mr.N.K.Sinha, JS (DL) & Member Secretary, highlighted the projects that were presented to the Standing Committee members during the meeting held on 18th and 19th of July, 2009. He emphasized that presently the response to the project proposals was lukewarm and hence a request had been made to all the members of

the Standing Committee to identify atleast 10 universities each which could bring in atleast 10 projects each.

The Chairperson informed that the e-content generation activities for polytechnic courses should also be considered on priority, as suggested in the Principal Secretaries /Secretaries meeting held on 24.07.09. He expressed the need for identifying a separate institute for the said purpose which should undertake the said assignment.

The Chairperson highlighted that care should be taken by the standing committee on ensuring quality and not only number of projects.

Item No.3:

Mr.N.K.Sinha informed that all the video recordings of the various presentations made before the Standing Committee from 19th July, 2009 onwards have been sent for uploading on 'Sakshat' website.

He narrated that two experts with print impaired vision had also come up with their project proposal and made a presentation in regard to making books friendly for print impaired persons. The project presented by them was unique in nature which could replace the conventional 'Braile system' by the 'computer guided system'. The proposal was to convert the 200 books into e-content in the first phase. The cost for the proposal given by them was Rs.31 lakhs.

The Members were also informed that a project has also come up from North-East Region. He said that the said trend was very encouraging as people from NE region were beginning to get associated with NMEICT to derive its full benefit.

The Chairperson, while making a note of these types of proposals, expressed his desire that the projects should not only cover the elite but should also cover the other socially underprivileged /deprived people.

JS (DL) informed that in the Standing Committee Meeting held on 18th and 19th July, 2009, 14 numbers of projects were presented by various institutes and organization. The details of the projects could not be presented as Prof. K. Mangala Sunder, Department of Chemistry, IIT Madras, Chennai could not attend the meeting.

JS(DL) informed that he had visited Agra in connection with the project on 25th July, 2009 to obtain first hand information on the projects being undertaken by Dayalbag Educational Institute, Agra and inspected the virtual lab being developed by the institute for the said Mission.

Chairperson desired that the virtual lab being developed by various institutes for the said Mission may be demonstrated in the next Apex Committee Meeting.

JS(DL) also informed that the projects being developed via wireless method at Agra could not be effectively implemented because of the licensing problem in India. For this, he also informed to committee that the researcher was asked to visit abroad and complete the research and demonstrate the same in India for its implementation.

Item No.4:

The Chairperson informed that by the end of this year the projects which are path breaking should be presented to the Apex Body. For this, the JS(DL) informed that in a couple of months we might be in a position to present a few projects and that on 11.8.2009 (Since postponed to 09.09.2009) some of the projects could be shown to the Apex Committee Members.

The Chairperson stressed that a road map be drawn for this Mission for effective implementation and that some target indicators might be drawn to measure the performance of the projects which have already been awarded.

Item No.5:

JS(DL) placed before the Committee a draft letter addressed to General Manager (Business Planning-CFA), wherein a scope of work for NMEICT network was narrated.

Chairperson also requested the Committee Members to verify that the 155 Mbps suggested in the letter was cost effective or not. The Committee Members suggested that the 155 Mbps was sufficient, standard and also cost effective.

The institutions which already have broadband connectivity but of a lesser band width would be provided additional connectivity to bring them to the level of other institutions as stipulated in the scheme. Such institutions, if they found their existing arrangement of broadband costly, could go for early exit from their extant plan and join the NMEICT network.

The Committee accepted the draft letter addressed to General Manager (Business Planning-CFA), BSNL and the Chairperson gave his concurrence for sending the said letter (Copy enclosed – Annexure-II).

Item No.6:

During the discussion, one of the PAB Members wanted to know the basis on which the 10 number of connections to each colleges had been specified. JS(DL) clarified that initially each college would have 10 such connections in the first year to provide 5 Mbps of VPNoBB connectivity per college to enable teachers and students to start using e-learning material and get conversant with ICT mode of teaching and learning, and thereafter the number of connections could be enhanced.

Item No.7:

The issue of performance guarantee from BSNL was discussed in depth and it was felt by the PAB Members that the guarantee from BSNL was very important.

During the discussion, one of the PAB Members shared his experience about difficulties being faced from BSNL on the connectivity that they had taken. The BSNL official present in the meeting assured that BSNL was geared up to provide all the necessary services to NME-ICT and they had also informed that their performance could be reviewed in accordance with the Service Level Agreement (SLA).

The Chairperson informed the BSNL official that BSNL should provide the required services as per the MOU and SLA and not give any room for complaint in the important and time bound assignment.

Item No.8:

- It was informed by JS(DL) that the next Apex Committee Meeting shall be on 11th August, 2009. (Since postponed to 09.09.2009)
- Prof.P.K.Kalra was requested to present the various projects in the forthcoming Apex Committee Meeting.
- IGNOU was requested to provide list and other information on colleges of the entire country.

The meeting ended with the vote of thanks to the Chair.

Annexure -I

Attendance of Project Approval Board (PAB) Meeting Members held on 28th July 2009 at MHRD at 3.30 PM.

S.No.	Name, Designation and Address
1.	Mr. R.P.Agarwal Secretary, (Higher Education) MHRD Shastri Bhawan, New Delhi (In Chair)
2.	Mr. N.K.Sinha Joint Secretary (DL) Department of Higher Education MHRD Shastri Bhawan, New Delhi
3.	Shri N.Ravi Shanker Joint Secretary, Department of Information Technology, Electronics Niketan, CGO Complex, Lodhi Road, New Delhi
4.	Shri. J.S.Deepak Joint Secretary, Department of Telecommunications, Sanchar Bhawan, New Delhi
5.	Dr. Prem K.Kalra Director, IIT, Rajasthan C/o Indian Institute of Technology, Kanpur Kanpur
6.	Mr. Anil Jain General Manager (BP-CFA) BSNL
7.	Dr. B.K.Murthy Head Deptt. of IT Govt. of India
8.	Prof. K.R.Srivatham IGNOU
9.	Prof. H.P.Khincho Vice Chancellor, Visveswaraya Technology University Belgaum
10.	Dr. D.K.Paliwal DEA

	Deptt. of HE MHRD
11.	Mr. Harvinder Singh D (PAE) MHRD
12.	Prof. Ajay Chakraborty, Dean (CE), Indian Institute of Technology, Kharagpur
13.	Prof. S.C.Saxena Director, IIT Roorkee Roorkee-247667
14.	Shri TVA Ram, AFA (IFD), Department of Higher Education. Ministry of HRD, New Delhi
15.	Mr. Nandeesh PM (NMEICT)

N.K. Sinha, IAS
Joint Secretary (DL)
Tel : 23387781
Fax : 23388492
e-mail : nksinha.edu@nic.in

D.O No. 4395/JS(DL)/2009

28th July, 2009

Dear Shri Jain,

As per the decision of the PAB of NMEICT, based on the recommendations of the Technical Committee, the scope of work for the NMEICT network could be as follows:

(a) 20,000 Colleges including Polytechnics to be provided with 20 VPNoBB connections of at least 512 kbps (both upload and download speed in a gradual manner starting from 10 such connections for every College/Polytechnic in the 1st year, 15 such connections to each of these institutions in the 2nd year and 20 such connections in the third year.

(b) Setting up of University LAN of at least 400 nodes per university, 1Gbps each node including 5 years maintenance

(c) At least 1Gbps link from each of the 419 Universities to the nearest NKN POP for 10 years

(d) At least 155 Mbps MPLS connectivity to 100 selected Universities for 1 year

(e) At least 1 Gbps interconnection between NMEICT network and NKN at 4 locations

(f) International bandwidth for Internet connectivity to College and University networks, beginning with 5 Gbps in the first year, going up to 10 Gbps in the 2nd year and 30 Gbps in the 3rd year.

I shall be grateful if you could kindly send to us the draft MoU for expediting the work.
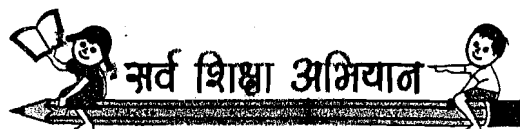
With regards,

Yours sincerely,

(N.K. Sinha)

Shri Anil Jain
General Manager
Business Planning – CFA
BSNL, Room No. 212, Bharat Sanchar Bhawan, New Delhi

Copy to : Shri J.S. Deepak, Joint Secretary [DoT] for information and necessary action

[N.K. Sinha] 28/7/09

सर्व शिक्षा अभियान

सब पढ़ें सब बढ़ें