

File No.NMEICT(MS)/PAB/28  
Government of India  
Ministry of Human Resource Development  
Department of Higher Education

17<sup>th</sup> July, 2014

To,

All Members of the Project Approval Board  
of National Mission on Education through Information  
and Communication Technology.

**Subject: Minutes of 28<sup>th</sup> Meeting of the Project Approval Board (PAB) of National Mission on Education through Information and Communication Technology (NMEICT) held on 26<sup>th</sup> June, 2014.**

Sir/Madam,

Enclosed please find Minutes of the 28<sup>th</sup> Meeting of the Project Approval Board of National Mission on Education through Information and Communication Technology (NMEICT) held on **Thursday, 26<sup>th</sup> June, 2014 at 03.00 pm** at Conference Room, 3rd Floor, Block No. 3, NKN, DMRC Building, Shastri Park, New Delhi under the Chairmanship of Secretary (HE), Ministry of Human Resource Development, Government of India, New Delhi for necessary action.

Yours faithfully,



(A. K. Singh)

Director (ICT) &  
Nodal Officer (NMEICT)  
Tel: 011-23384276

Encl: As above

Copy to:

1. PSO to Secretary (HE)
2. PS to JS (TEL)
3. PS to JS&FA
4. US (TEL)

**MINUTES OF THE 28<sup>th</sup> MEETING OF PROJECT APPROVAL BOARD OF NATIONAL MISSION ON EDUCATION THROUGH INFORMATION AND COMMUNICATION TECHNOLOGY (NMEICT) HELD ON 26<sup>th</sup> JUNE, 2014 AT 15:00 HRS AT CONFERENCE ROOM, 3<sup>rd</sup> FLOOR, BLOCK NO. 3, NKN, DMRC BUIDING, SHASTRI PARK, NEW DELHI-110 053.**

The 28<sup>th</sup> Meeting of the Empowered Committee of Experts (Project Approval Board) (PAB) of National Mission on Education through Information and Communication Technology (NMEICT) was held on 26<sup>th</sup> June, 2014 at 15:00 hrs at Conference Room, 3<sup>rd</sup> Floor, Block No. 3, NKN, DMRC Building, Shastri Park, New Delhi under the Chairmanship of Secretary, Department of Higher Education, Ministry of HRD.

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

The list of other participants is at Annexure-II.

Joint Secretary (TEL) and Mission Director (NMEICT) & Member Secretary, PAB welcomed all the members of the PAB. Thereafter agenda items were discussed and following decisions were reached:

**Agenda Item No. 1**

The Joint Secretary (TEL) and Mission Director (NMEICT) & Member Secretary, PAB, invited observations from the participants on the “Minutes of the 27<sup>th</sup> Meeting of the PAB.” Since all the members agreed and no observations on the same were received, the “Minutes of the 26<sup>th</sup> Meeting of the Project Approval Board held on 19<sup>th</sup> March, 2014” were confirmed.

## **Agenda Item No. 2**

The Joint Secretary (TEL) and Mission Director (NMEICT) & Member Secretary reported to PAB that action has been taken as per the PAB's decision in its 27<sup>th</sup> meeting. The PAB noted the Action Taken Report.

## **Agenda Item No. 3**

### **Proposal to make the BSNL Agreement of 1 Gbps Connectivity Coterminous with NKN.**

The Joint Secretary (TEL) and Mission Director (NMEICT) & Member Secretary apprised the PAB that the Universities connected under NMEICT are being migrated to the NKN. Presently 338 Universities have been migrated and they are now part of NKN. Since, presently, the time frame of NKN is 10 years (up to December 2019), it is felt that the Connectivity provided to the Universities/ University Level Institutions under NMEICT should be coterminous with the NKN. With making it coterminous with NKN, there will be a saving of approximately Rs. 27 Crores which will be adjusted from the future bills of BSNL. BSNL will also be asked to refund the proportionate contribution of the Universities to them.

**After deliberations, PAB approved the proposal to make the BSNL Agreement of 1 Gbps Connectivity provided to the Universities coterminous with NKN.**

#### **Agenda Item No. 4**

#### **Empanelment of Government Undertakings and State IT Organizations for installing LANs at Universities.**

The Joint Secretary (TEL) and Mission Director (NMEICT) & Member Secretary apprised the PAB that apart from providing Connectivity to the universities, BSNL/ MTNL combine was also asked to implement a Local Area Network of up to 400 in each University connected under NMEICT. The funding pattern for the same is 75:25 [ 90:10 in case of NER states]. We have been informed by BSNL that they had awarded the work to a vendor but later had to cancel the order due to its non-performance. Till now BSNL has implemented LAN in 50 Universities only. Now, in order to speed up the process of providing LANs to Universities, it is proposed that additional agencies like ERNET, NIC, NICSI, NISG, TCIL, State Government's IT Organizations (like Chips Chhattisgarh, BELTRON etc) etc. may be empanelled for the job. The Implementation-cum-Monitoring Committee of NMEICT in its meeting held on 16.06.2014 has also recommended the proposal.

**After detailed deliberations, the PAB approved the proposal for Empanelment of additional Government Undertakings like ERNET, NIC, NICSI, NISG, TCIL, State Government's IT Organizations (like Chips Chhattisgarh, BELTRON, etc.) for installing LANs in the Universities.**

## **Agenda Item No. 5**

**Proposal : Pilot on LAN for Universities**

**PI : Dr. V.V.S. Murthy, DDG (NIC)**

**Implementing Agency : NIC**

The Joint Secretary (TEL) and Mission Director (NMEICT) & Member Secretary, PAB, apprised that the Implementation-cum-Monitoring Committee of NMEICT in its meeting on January 24<sup>th</sup> 2014 recommended that the design of the NMEICT network should be amended in such a manner that all Colleges should be connected to their affiliating Universities and the University be connected to the NKN network. The advantage of such a network is that University would take responsibility for all traffic to and from their affiliating Colleges and NMEICT/NKN would only manage the network up to the University. Since this redesign involves merging two disparate networks, it is proposed that the exercise be implemented as a Pilot at 7 Universities across India, wherein NIC will be asked to set up a LAN (same terms as BSNL). More importantly, NIC will also be asked to study the existing network architecture and redesign so that the recommendations of the Committee can be actualized. A MoU is in the process of being signed between NMEICT, NIC, NICSI and the University concerned. As of now, Barkatullah University and Martin Luther University have already signed the MoU. The MoU with Mahatma Gandhi Kashi Vidyapeeth and Rajiv Gandhi University, Itanagar are in the process of being signed. The Implementation-cum- Monitoring Committee of NMEICT in its meeting held on 16.06.2014 has recommended the proposal.

**After detailed deliberations, the PAB approved the Pilot proposal on LAN for 7 Universities and release of Rs.2.52 crores to NIC within the approved outlay for this activity by the Union Cabinet.**

### **Agenda Item No. 6**

#### **Proposal : LAN Funding to NKN Universities and Institutions.**

Joint Secretary (TEL) & Mission Director and Member Secretary, PAB apprised that under NKN Connectivity to nearly 835 Universities/ Institutions/ Organizations/ Laboratories has been provided. Among these, there are about 127 Universities/ University Level Institutions. But under NKN there is no provision of LAN. Since without LAN entire benefit of 1 Gbps Connectivity cannot be derived, so it is necessary to provide the LAN of up to 400 nodes also in these 127 Universities/ University Level Institutions at the cost sharing ratio of 75:25 [90:10 in case of NER States] as provided under NMEICT scheme. The Implementation-cum- Monitoring Committee of NMEICT in its meeting held on 16.06.2014 has recommended the proposal.

**After deliberations, PAB approved the proposal and decided that LAN funding may be provided at the cost sharing basis of 50:50 to 127 Universities and Institutions connected under NKN. For Universities in Special Category States and North East Region, the funding pattern will be 65 : 35 (between NMEICT & University) within the approved outlay for this activity by the Union Cabinet.**

## **Agenda Item No. 7**

**Proposal** : **Creation of Common Computing Infrastructure (Release of 2<sup>nd</sup> Installment).**

**PI** : **Prof. Huzoor Saran**

**Institute** : **IIT Delhi**

Joint Secretary (TEL) & Mission Director and Member Secretary PAB apprised that the project was sanctioned by the PAB in March 2012 for setting up Common (Cloud) Computing Infrastructure for NMEICT Projects at a total cost of Rs. 40 Crores. The 30% of the funds amounting to Rs. 12 Crores have been released to IIT Delhi.

IIT Delhi has designed and implemented Baadal Cloud Computing Software so that such a common infrastructure can be used to offer multiple independent compute instances in a scalable manner based on individual project needs. A pilot deployment at IIT Delhi with 200 Compute Cores and 20TB of storage was set up and has been tested over past 6 months. Due to bandwidth constraints this is not accessible outside IIT Delhi currently. The pilot deployment has been made available to Virtual labs and some other local NMEICT projects in the testing phase. A pilot deployment at NIC Data Centre with 600 Computer cores is in an advanced stage of setup. This is expected to be functional in next two weeks. This deployment being in NIC Data Centre would be able to have good bandwidth access through NKN and hence will be able to host projects such as NPTEL and provide excellent bandwidth and compute. Equipment has also been ordered and has arrived for a larger 2000 core deployment. However since NIC Data Centre does not have adequate space to house the larger deployment, a suitable location is being examined by NIC. NIC has worked out a proposal to hire space

from BSNL Data Centre in Ghaziabad. In a communication received from NIC, it has been mentioned that BSNL Data Center at Ghaziabad is being looked at for the feasibility of extending the existing NDC to get more rack space for the projects has been visited. The complete IT infrastructure will be from NIC, only the rack space, AC and UPS will be from the BSNL. Similar facility is also being created by Railtel in Gurgaon but that would take at least 3 months to start. The process to extend the NDC will take at least 2 months with BSNL so process should be initiated.

As NIC has to pay to BSNL @ Rs.11 lakhs per rack per year and that would approximately cost Rs. 6.6 Crores for three years for 20 racks, NIC has requested for a letter seeking assurance that MHRD would pay the above mentioned amount (tentative) whenever NIC enters into an agreement with BSNL or any others agency like Railtel etc. This way when the agreement materializes NIC would shift the MHRD services to the new location and pay also for the rack space hired for MHRD services. For enabling them to do initial discussion, in principal approval has been given by the Ministry. As the second Installment of the project “Creation of Common Computing Infrastructure” is due to IIT Delhi, Prof. Huzur Saran, PI of the project may be asked to pay the Rack Space Charges of Rs. 6.6 Crores for three years to NIC from the second installment of the project. For the larger deployment, since it will no longer be on the NIC site, additional funds will be needed for storage, additional networking and firewall, load balancing equipment and manpower. This is estimated to cost approximately Rs. 7.5 crores. It is therefore requested that the second installment of 30% of project sanction i.e. Rs. 12 Crores be released so that the full deployment can take place in the next 4 months. Funds will also be required for laying a



10GBPS Network link between NIC/NKN Data Centre at Shastri-Park and the BSNL Data Centre. Based on NIC empanelled rates the cost of the link is estimated at Rs. 1.25 Cr per annum. Permission is sought for direct payment of the above account to NIC from the Connectivity budget of the Mission to enable an early setup of this link along with the Data Centre space procurement. The Implementation-cum- Monitoring Committee of NMEICT in its meeting held on 16.06.2014 has recommended the release of Second Installment of Rs. 12.0 Crores for the project. The Committee has also recommended that “Rack Space Charges” of Rs. 6.6 Crores for three years to NIC should also be paid from the second installment due to the project.

**After detailed deliberations, PAB approved the following:**

- a) Release of Second Installment of Rs. 12.00 Crores of the Project “Creation of Common Computing Infrastructure” within the approved outlay for this activity by the Union Cabinet.**
- b) Permit BSNL to provide 10 Gbps Connectivity between NMEICT Data Centre and NKN Central Node from the fund released for providing Connectivity to Universities till Dec, 2019, within the approved outlay for this activity by the Union Cabinet.**

## **Agenda Item No. 8**

### **Providing 1+1 Redundancy to all Centrally Funded Institutions in North East and J & K States.**

Joint Secretary (TEL) & Mission Director and Member Secretary, PAB apprised that the NMEICT is getting constant feedback from the user University, particularly from Jammu & Kashmir and North East, regarding its dissatisfaction about reliability of Connectivity. This issue was deliberated extensively by the expert group of NMEICT on Connectivity. The group was of the view that providing 1+1 redundant path is the only solution. The issue of Connectivity has also been discussed in the conference of the Vice Chancellors of the Central Universities and of the Directors of the National Institute of Technology last year at Rastrapati Bhawan, New Delhi. One the recommendation emerged from the Conference was to provide alternate, back-up links (from BSNL/ RailTEL/ Powergrid) and Telecom PSUs should ensure continuous availability of bandwidth.

Accordingly it has been envisaged to provide 1+1 Connectivity to the Centrally Funded Institutions of Special Category States and North Eastern States to 23 Universities/ University Level Centrally Funded Institutions in these States (3 in J&K and 20 in North Eastern States), where the Connectivity has been provided under NMEICT scheme till December 2019. As the NIC, under NKN scheme has already provided the Connectivity to the institutions and the Universities through RailTEL/ Powergrid and is having a MoU with them. It was proposed that NIC may be requested to take up the responsibility of providing the redundant connectivity on NKN Style to the Centrally Funded Institutions of MHRD of the Special Category States and North Eastern States on payment

basis. The Implementation-cum- Monitoring Committee of NMEICT during its meeting on 16.06.2014 has also recommended the proposal.

**After detailed deliberations, the PAB approved the proposal of providing 1+1 redundancy to all Centrally Funded Institutions in Special Category States and North Eastern States at a cost of Rs. 13.8 Crores with NIC as an implementing agency. However, this will be provided to only those Institutions where the average usage is more than 100 Mbps. This will be funded within the approved outlay for this activity by the Union Cabinet.**

### **Agenda Item No. 9**

**Proposal : NKN/ NMEICT Direct Peering with Google.**

**PI : Mr. R. S. Mani**

**Implementing Agency : NIC**

Joint Secretary (TEL) & Mission Director and Member Secretary PAB apprised that based on various statistical data collected over a period of time and also based on the feedback of Researchers from various Institutes, NKN /NMEICT noticed that the Users have been using various resources from Google extensively. The traffic from Google was about 7-8 Gbps and majority of the same is for YouTube, which has a plethora of knowledge contents including an NPTEL YouTube channel.

In order to reduce the cost involved in hiring Internet bandwidth for catering to the needs of Users and also to provide better user experience through speed and quality, Google Global Cache (GGC) has been implemented for use in NKN / NMEICT. GGC represents the final tier of Google's content delivery platform, and is closest to users. With

GGC, network operators and Internet Service Providers deploy a small number of Google servers inside their network to serve popular Google content such as YouTube. Google's traffic management system directs Users to the node that will provide the best performance for the User.

This concept is referred as direct peering and in this case it is with Google Data Centers. It is proposed to connect to Google Data Centers at Delhi & Chennai with 2 x 10 Gbps links. NKN has three primary connectivity providers namely BSNL / MTNL , Railtel & PGCIL for which rates have already been established.

**On detailed deliberations, the PAB decided that initially NIC should explore the option of peering of Google with NICS. In case, the proposal does not materialize, the Committee authorized the Chairman, PAB to take appropriate action for approval of the proposal.**

#### **Agenda Item No. 10**

**Proposal : Special Permission to NIT Sikkim for 1 Gbps Connectivity.**

**Implementing Agency : BSNL**

JS (TEL) & Mission Director and Member Secretary, PAB apprised that the BSNL has provided Connectivity to the NIT Sikkim on 31.03.2012. Since the date of provisioning, various complaints have been received from NIT Sikkim in respect of the poor Connectivity of 1 Gbps link provided by BSNL under NMEICT. The case of NIT Sikkim has been discussed with BSNL, who was pursued to take all necessary action to improve the uptime of the 1 Gbps link provided to the NIT Sikkim. BSNL has suggested that if linear connectivity provided to NIT Sikkim is

converted to a ring and some portion of the OFC route is repaired then uptime of the 1 Gbps link can be increased to 75%. The overall cost involved for the above proposal is Rs. 291.527 lakhs.

**After detailed deliberations, the PAB decided that it is the responsibility of BSNL to provide the satisfactory services as per the MoU signed with MHRD. The costs involved in making OFC ring for NIT Sikkim should be borne by the BSNL from its own resources and the entire activity be completed within 3 months. PAB further decided that uptime statistics of the Connectivity provided under NMEICT Scheme should be put in public domain by the BSNL.**

### **Agenda Item No. 11**

#### **Proposal: 1 Gbps Connectivity to the New Private Universities.**

Joint Secretary (TEL) & Mission Director and Member Secretary, PAB apprised that since last Cabinet approval to achieve the synergy between NMEICT and NKN, the number of the Universities in the country has increased. Further the NIC has not provided the Connectivity to Private Universities as they do not have mandate to connect the Private Institutions. There are some institutions of MHRD also where the connectivity is yet to be provided. Overall there are about 53 Central/ State Universities and 136 Deemed/ Private Universities. It is proposed that Connectivity to Central/State Universities and CFIs may also be considered to be provided under NKN and Connectivity to the Private Universities may be considered to be provided under NMEICT. The funding pattern to these Universities will remain the same as already approved for the respective schemes of NKN and NMEICT. In case of NMEICT Universities, NIC will be asked to implement the

Connectivity through the service providers like BSNL/ Railtel/ PGCIL as NIC has already MoU with them and the MHRD will pay to the service providers as decided by the NIC. The expenditure involved in connecting the 136 Private Universities will be around Rs. 92 Crores. The Implementation-cum-Monitoring Committee of NMEICT during its meeting on 16.06.2014 has also recommended the proposal.

**After deliberations, the PAB decided that the proposal for providing 1 Gbps Connectivity to any new University/ Institution should be taken up with due approval of the Cabinet.**

**Agenda Item No. 12**

**Proposal : Develop an Online Joint Entrance Examination (Main) (JEE) Item Bank to Prepare Candidates for Developing the Skills that Underpin Performance on the JEE (Main) Construct.**

**PI Mr. Vineet Joshi, Chairman CBSE,  
director@indicaer.in, vineetgre@yahoo.co.in  
Mob: +91-8527244005**

**Organization : Central Board of Secondary Education, New Delhi (through CBSE-CAER)**

Joint Secretary (TEL) & Mission Director and Member Secretary PAB apprised that the rationale and background of the proposal from CBSE-CAER for preparing students to develop the skills for JEE (Main) examination.

After deliberations, PAB approved the Project for 2 years with a total budget of Rs. 1.23 Crore. To have better linkage between School Education Department and Higher Education Department, CBSE may be asked to submit the implementation report of the Scheme of providing scholarship to the meritorious students who are joining Institutions of Higher Education through JEE (Main) Exam as already committed by it earlier in AIEE Meetings.

**Agenda Item No. 13**

**Proposal : Consulting work for preparing a Project Report for Creation of “Virtual University” in PPP model and draft “Virtual University Bill” for enactment by Parliament**

**PI : Mr. Siddhartha Das, Executive Director;  
91-9831014940,91-124-4644000,  
Email: [siddhartha.das@in.ey.com](mailto:siddhartha.das@in.ey.com)**

**Institution : Ernst & Young LLP, Gurgaon.**

Joint Secretary (TEL) & Mission Director and Member Secretary PAB presented the agenda proposal and after subsequent deliberations, **the PAB approved for award of the Consulting Work as proposed, to M/s Ernst & Young at the total cost of Rs. 24.9 lakhs (including Out of Pocket Expenses) + Service Tax, with proposed payment schedule (40% payment on submission of the Detailed Project Report (DPR) for Creation of Virtual University in PPP model, and balance 60% on submission of the completed work). PAB however desired that before releasing the final installment of consultancy fee to M/s Ernst & Young, the report may be put before PAB for approval.**

#### **Agenda Item No. 14**

**Proposal : Consulting work for Review and Amendment of applicable UGC/AICTE Regulations for incorporating Technology Enabled Learning in Higher Education.**

**PI : Mr. Akshoy Rekhi, Partner; Phone: 91-11-41633366/65/64**

**Institution : M/s. Abacus Legal Group, Advocates; New Delhi.**

**PAB considered and approved the proposal for award of the Consulting job for Review and Amendment of applicable UGC/AICTE Regulations for incorporating Technology Enabled Learning in Higher Education, to M/s Abacus Legal Group Advocates at the total cost of Rs. 9 lakhs, with 20% Mobilization Advance on award of the job and remaining 80% after satisfactory completion of job.**

#### **Agenda Item No. 15**

**Setting up and providing VPN Connectivity to 200 ITIs under Director General, Employment and Training (DGET) Ministry of Labour and Employment (ML&E) Government of India.**

PAB was apprised that Director General, Employment and Training (DGET), Ministry of Labour and Employment (ML&E) has decided to train the Trainers in distance learning mode and has requested the MHRD to provide Internet Connectivity to its Training Institutions numbering 200 spread across the Country.



It was proposed to extend the NMEICT's Centrally Sponsored Scheme on Connectivity to Colleges, also to the Ministry of Labour and Employment and to provide at each of the 200 ITIs (i) 10 Mbps VPN connectivity and (ii) 512 Kbps X 20Modems for wi-fi Connectivity, with 75% share to be provided by the MHRD and 25% by the Ministry of Labour and Employment for Installation, Connectivity and Operations of VPN, for a period of ten years, at the rate that is prevailing under NMEICT.

**The PAB deliberated and keeping in mind the importance of Skill Development and linking it to Education, approved the proposal of setting up and providing VPN Connectivity to 200 ITI's under DGET, ML&E up to March 31, 2017, as is provided to Colleges under NMEICT Scheme at the cost of Rs. 4.00 Crores. PAB further decided that as they are already conducting programmes and courses for faculty of ITIs in their area, the funding for the same shall be through the four NITTTRs, falling in or near the geographical area of 200 ITIs.**

**Agenda Item No. 16**

**Office Space for Mission Secretariat of NMEICT.**

The following premise has been found to be most suitable to cater to the requirements of NMEICT:

<b>Block</b>	<b>Floor</b>	<b>Area</b>	<b>Remarks</b>
1	5 <sup>th</sup> Floor	526 sqm	DITP B Wing Side, DMRC IT Park, Shastri Park, Delhi 110053.  [Previously occupied by Apollo Munich]

The proposed Office Building is almost in a ready to occupy State with some amount of refurbishing & redesigning of space. The space is readily available to cater for Conference Room, Meeting Room, Mission Director's Cabin, Work Stations for project personnel & Consultants, etc. The DMRC Ltd representative was present during the meeting of PAB and has confirmed the concurrence of DMRC Ltd for the aforesaid office space at Shastri Park, New Delhi.

**PAB authorized the Joint Secretary (TEL) & Mission Director (NMEICT) to take on lease the build up space for following activities, subject to the condition that the Mission Director obtain rent reasonability certificate from Competent Authorities and also to ensure that the rent charged is less than or equal to the rates being charged currently from Government Organizations :**

- i) Office space for Mission Secretariat.
- ii) Office space for DTH Project.
- iii) Office space for proposed Virtual University.
- iv) Office space for representatives of different projects.

Soon after the meeting, the site inspection of the above DMRC building at Shastri Park was also undertaken by few of the members of the Project Approval Board.

#### **Agenda Item No. 17.**

**Budget Estimate for TSG-EdCIL & Mission Secretariat of NMEICT for the Financial Year 2014-15.**

The PAB members were informed that the Budget Estimate proposed for the financial year 2014-15 for the TSG-EdCIL & Mission Secretariat of NMEICT is well within the overall ceiling of 1% of the total outlay fixed for the project.

**The Project Approval Board (PAB) approved overall “Budget Estimate” of Rs. 399.92 lakhs for the TSG-EdCIL & Mission Secretariat of NMEICT for the year 2014-15, as per the Budget Estimate provided and release of the 1<sup>st</sup> installment of Rs.199.96 lakhs (being 50% of the total Budget) after adjusting the unspent amount available with EdCIL.**

**Table Agenda No. 1**

**Proposal : Development of National, Digital Library of India, Towards Building a National Asset.**

**PI : Prof. Partha P. Chakrabarti, Director, IIT Kharagpur, director@iitkgp.ernet.in, ppchak@cse.iitkgp.ernet.in**

**Co-PIs : Dr B Sutradhar. Librarian, IIT Kharagpur, Kharagpur 721302 India, [Email: bsutra@library.iitkgp.ernet.in](mailto:bsutra@library.iitkgp.ernet.in)**

**Institute : IIT, Kharagpur**

Prof. P. P. Chakrabarti, Director, IIT Kharagpur made a presentation before the PAB on the concept of National e-Library project. The PAB approved the project in principle and authorized Chairman PAB to approve the funding based on the recommendation of Standing Committee. However, the activities related to the project should be within the outlay approved by the Union Cabinet for the respective activity.

## **Table Agenda No. 2**

**Proposal : Re-development of the MHRD website**  
**Project : Ms. V. Rajeswari, Sr. Technical Director,**  
**Coordinator National Informatics Center (NIC).**  
**Implementation : National Informatics Centre Service**  
**Agency Incorporated (NICSI)**

It has been constantly opined by the PAB members that the products of NMEICT are not getting disseminated among the stakeholders of higher education. All the relevant stake holders visit Ministry of HRD website ([www.mhrd.gov.in](http://www.mhrd.gov.in)). It has been proposed to redevelop MHRD website in such a manner that the products of NMEICT find a prominence on the website. Joint Secretary (TEL) & Mission Director (NMEICT) and Member Secretary, PAB apprised the Committee that the present web site of the MHRD has been designed and developed by the NIC. For enhancement, maintenance and to provide the support for the HRD Ministry's website for one year, NIC has submitted total estimate cost of Rs. 20,56,728/-. The proposal have been submitted through NICSI.

**PAB considered and approved the proposals of NIC through NICSI for the Re-development of MHRD website at a total cost of Rs. 20,56,728/- .**

### **Table Agenda No. 3**

#### **Providing Wi-Fi at the Department of Higher Education, Ministry of HRD.**

Joint Secretary (TEL) & Mission Director and Member Secretary PAB apprised the Committee that the Department of Higher Education is one of the nodes of NKN as it has to frequently interact with the Universities and Regulators. It was also pointed out that in the near future there was no likelihood of the Department of Higher Education, Shastri Bhawan would be fully made wi-fi enabled. The wired connectivity at the Department of Higher Education, Ministry of HRD Shastri Bhawan has been provided by NIC. For enabling all Wi-Fi enabled devices to access this connectivity, a network is also required to be in place covering all offices of the Higher Education Department at Shastri Bhawan. The proposal was discussed in detail in the meeting of the Implementation-cum-Monitoring Committee of NMEICT held on 16.06.2014; the Committee was of the view that as the Connectivity at Shastri Bhawan has been provided by NIC, it would be better if NIC takes up the responsibility of providing Wi-Fi at the Department of Higher Education, Ministry of HRD. It was also brought out that the NICNET Network running at Shastri Bhawan already has a secured centralized Wi-Fi system. To extend it to the Department of Higher Education, some equipment will need to be added. An advantage would be that since in the proposed Wi-Fi setup, the Access Points would report to the centralized controller equipment managed by NIC, issues like Security would be taken care of with the NIC Policy already in place. The NIC has also agreed for providing Wi-Fi at the Department of Higher Education, Ministry of Higher Education. The cost quoted by NIC for enabling Wi-Fi is Rs. 39, 65,354/- for which it has done the due diligence.

**The PAB considered and approved the proposal of providing Wi-Fi at the Department of Higher Education, Ministry of HRD at a cost of Rs. 39, 65,354 with NIC as Implementing Agency.**

**Table Agenda No. 4**

**Proposal : An Open Source Indian MOOCs Platform.**

**PI : Prof. Deepak B. Phatak**

**Co-PIs : 1) Prof. Kannan Moudgalya, Chemical Engineering Department – IIT Bombay**  
**2) Prof. Vikram Gadre, Head CDEEP, Convenor IDP Educational Technology – IIT Bombay**  
**3) Prof. Sridhar Iyer, CSE Department, and Associate faculty of IDP on ET – IIT Bombay**  
**4) Prof. Kameswari Chebrolu, CSE Department – IIT Bombay**

**Institute : IIT Bombay**

**Control No. : DMA1606201413199**

Prof. D. B. Phatak, IIT Bombay made a presentation before the PAB on the Open Source Indian MOOCs Platform. The PAB approved the project in principle and authorized Chairman PAB to approve the funding based on the recommendation of Standing Committee. However the activities related to the project should be within the outlay approved by the Union Cabinet for the respective activity.

## **Table Agenda No 5**

**Proposal** : **Design and Development of Web based portal for Centrally funded institutions**

**PI** : **Mr. P. K. Saha, Deputy Secretary, MHRD**  
**pksaha2008@yahoo.com, 011-23073629,**  
**Mob: +91-9968428844**

**Implementing Agency** : **National Informatics Centre Service Incorporated (NICSI)**

### **Background:**

It has been constantly opined by few of PAB members that the products of NMEICT are not getting disseminated among the stakeholders of higher education. There is a proposal to develop common portal for all Centrally Funded Institutions on which linkage to projects of NMEICT will be provided. Apart from this, the Information/ data regarding various key parameters is essential to monitor and evaluate various policy and administrative decisions of Government of India. In absence of reliable Data Reporting System in place, the Monitoring, Analysis and Evaluation/ Effectiveness of Policy prescription of the Government becomes a meaningless exercise. Moreover, a lot of information is required not only for RTI but also for reporting it to various constitutional bodies including Parliament. The information is thus essential for effective decision-making. It is thus proposed to create a Web-enabled Information System for monitoring of significant aggregate parameters, which shall be available for monitoring and reporting as per required formats. The information would be available to all concerned including Minister's office, Secretary, Additional Secretary (TE), Directors, Section as well as to the concerned institutions. The information would be required from all the Centrally Funded Technical Institutes. Higher

Education sector has witnessed a tremendous increase in its institutional capacity in the years since Independence. The number of Universities/ University-Level Institutions has increased 18 times from 27 in 1950 to 504 in 2009. The sector boasts of 40 Central Universities, 243 State Universities, 53 State Private Universities, 130 Deemed Universities, 33 Institutions of National Importance (established under Acts of Parliament) and five Institutions (established under various State legislations). The number of Colleges has also registered manifold increase with just 578 in 1950 growing to be more than 30,000 in 2011. The Central Universities & Language Bureau of Department of Higher Education, Ministry of Human Resource Development deals with the Central Universities, which are 40 in number at present. These Universities are established by/ under Acts of Parliament which have provisions for their academic and administrative functioning. His Excellency the President of India is the Visitor of the Central University and his role in the Central University, among others, include appointment of Vice Chancellor, nominating persons as his nominee on various Authorities and Committees of the Universities.

Joint Secretary (TEL) & Mission Director and Member Secretary, PAB proposed to develop a Web Based System to deal with issues pertaining to the Central Universities to facilitate processing of the various requests from the Universities and requisite functioning under the Act.

**The duration of the Software Development, Deployment & Training would be 4 months** from the date on which the Ministry officially approves the project or from the date of release of payment by the Ministry. **The maintenance** phase of the Project would begin after the completion of Software Deployment for a period of 8 Months.



**The total Cost of the Project Phase - I** is estimated to be **Rs. 15,33,822/-**, (The above cost includes NICSI operating margin and Service Tax @12.36 % as applicable).The estimated cost for **Software Maintenance for a period of 8 months is included in cost**. The cost quoted above relates only to the cost to be paid by the Ministry to NICSI. In addition, the cost associated with the TA/DA of officials from NIC will also have to be borne by Ministry. The NIC has requested that the funds may be transferred in favour of NICSI, New Delhi as 100% in advance to ensure timely commencement & completion of the Project.

**The PAB considered and approved the proposal of “Design and Development of Web based portal for all Centrally Funded Institutions and attached offices by NIC at a cost Rs. 15,33,822/- (Rs. Fifteen Lakhs Thirty Three Thousands Eight Hundred Twenty Two).**

## ATTENDANCE SHEET

## (List of Members)

**Meeting** : 28<sup>th</sup> PROJECT APPROVAL BOARD (PAB) UNDER NATIONAL MISSION ON EDUCATION THROUGH INFORMATION AND COMMUNICATION TECHNOLOGY.

**Date/Time** : 26<sup>th</sup> June, 2014 at 03.00 P.M.

**Venue** : Conference Room, 3<sup>rd</sup> Floor, Block No. 3, NKN, DMRC Building, Shastri Park, New Delhi.

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**ATTENDANCE SHEET**  
**(List of Other Participants)**

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