

F. No. 16-6/2018-TEL (Pt)  
Government of India  
Ministry of Human Resource Development  
Department of Higher Education  
(TEL Section)  
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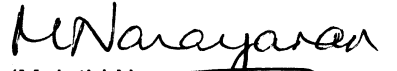
426-C, Shastri Bhawan, New Delhi  
Dated: 19<sup>th</sup> December, 2018

**OFFICE MEMORANDUM**

**Subject: Minutes of the 2<sup>nd</sup> meeting of Project Approval Board (PAB) for Project NDLI under Scheme NMEICT-II held on 30th Nov 2018 under the Chairmanship of Secretary (HE), MHRD.**

The undersigned is directed to forward herewith the Minutes of the the 2<sup>nd</sup> meeting of Project Approval Board (PAB) for Project NDLI under Scheme NMEICT-II held on 30<sup>th</sup> Nov 2018 under the Chairmanship of Secretary (HE), MHRD. This is for information & further necessary action.

Encl : As above

  
(Malathi Narayanan)  
Deputy Secretary (ICT)  
Tel No. 011-23385220

To:

1. Secretary (HE) M/o HRD.
2. Joint Secretary (TEL & ICC) M/o HRD.
3. Joint Secretary (FA) M/o HRD.
4. Prof K Mangala Sunder (IIT Madras).
5. Prof Uma Kanjilal, National coordinator of SWAYAM & Swayam Prabha, IGNOU.
6. Dr Jagdish Arora, Director INFLIBNET Centre.
7. Prof P P Das, Jt PI, IIT Kharagpur.
8. Dr B Sutradhar, Librarian, IIT Delhi.
9. Sh Nand Gopal Chattopadhyay, CTO, IIT Kharagpur.
10. Dr Nabi Hasan, Librarian, IIT Delhi.
11. Sh Parameswaran N Advisor, NMEICT, M/o HRD.
12. Shri G S Malik, Consultant, NMEICT, M/o HRD.



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**Minutes of the meeting of Project Approval Board (PAB) for Project NDLI under Scheme NMEICT-II held on 30th Nov 2018 under the Chairmanship of Secretary (HE), MHRD.**

Dated:17.12.2018

The Second Meeting of the Project Approval Board (PAB) of National Mission on Education through Information and Communication Technology (NMEICT) Phase-II was held on 30.11.2018 at 10.30 A.M. under the Chairmanship of Secretary (HE), M/o HRD at Shastri Bhawan New Delhi. The list of Participants is at **Annexure-I**.

2. The Secretary, HE, MHRD and Chairman PAB welcomed all members and the special invitees of the PAB. JS (ICC & TEL), informed that the Board will be discussing about the already circulated Agenda pertaining to approvals sought by Project NDLI-II. He further sought approval of Chairman for placing additional agenda for the "go ahead approval" sought by Director, INFLIBNET for the procurement of Plagiarism Detection Software under NMEICT-II. Chairman agreed to include the additional agenda after the discussion on agenda for NDLI.

**Agenda-I Project NDLI-II**

Dr PP Das, Co-PI, Project NDLI, IIT, Kharagpur gave the presentation on the Project NDLI status and sought the approvals of the Board as per agenda papers. The board deliberated the requirements and goals projected by the Project team and following decisions emerged:

Item No.	Approval Sought	Deliberations & Decision of PAB
1	Content creation to address needs of a few critical user segments like Job Aspirants, such as creating solutions of a question bank for CHSL and CGL examinations conducted by Staff Selection Commission. This will be done mostly by staff members of the project.	PAB deliberated and mentioned that NDLI team should focus only on "critical gaps" for content creation and National licensing of the key contents. PAB sought more details from the Project team before approval is accorded for these 2 items.
2	National licensing of key contents like most widely used books, for School & College Education and Competitive Examinations.	
3	Collaboration with e-learning organizations	PAB gave "Go-Ahead" approval. NDLI to

	and entrepreneurs for sourcing domain specific contents through a bundle of free e-contents and e-services and another bundle of paid e-contents and e-services. No payment from NDIL to collaborators is involved. A large volume of contents / services can be accessed by users free and for contents/services where payment is involved, users will pay directly to the collaborator.	prepare pilot comprehensive proposal covering all aspects and bring it to next PAB for considerations. Further, a policy for this is required to be evolved by MHRD based on this initiative.
4	Sourcing contents from iconic Trusts and National bodies like Sabarmati Preservation and Memorial Trust for Works of and on Mahatma Gandhi.	PAB accorded approval.
5	Setting up Scanning Centre.	PAB accorded approval, subject to ceiling on expenditure of Rs 200 lakhs.
6	Putting up e-Publishing Framework for Indian Language Publishers.	PAB accorded approval.
7	Collaboration with IIIT Hyderabad and CEERI Pilani, for development of production - grade OCR tools for Indian languages.	PAB accorded approval.
8	Cloud hosting of NDIL Portal on a well-established commercial Cloud service for a limited period for the project team to gain experience for subsequent hosting of NDIL Portal on BADAL	The board deliberated this and decided that the Baadal system should be first attempted for hosting the NDIL services.
9	Collaboration with Institutes and Organization (Government as well as leading Private) to carry out collaborative research work, such as creation of a repository of research data and information for cancer research, like Medical Image Databank, with Tata Medical Centre	The board suggested that NDIL team to interact with AIIMS, New Delhi for undertaking this activity. Based on this interaction, NDIL team may decide selection of collaborating institution.
10	Collaboration with entrepreneurs and carry out activities in areas like content sourcing /creation, user experience enrichment, promotion (like setting up NDIL Clubs), exploration of NDIL Sustenance model	PAB accorded approval.
11	International Collaborations with other Library and Archival Facilities	PAB accorded approval.
12	International visits by Faculty and Staff for international collaboration for research in areas like Cognitive Learning, NDIL-AI Platform and for presenting research publications in International Conferences	PAB accorded approval, subject to ceiling on expenditure of Rs 257 lakhs, for National & International travel.

13	Engagement of Overseas Trainees / Interns for identification of local Culture and Heritage contents of respective countries for integration with NDL and to function as interpreter while communicating with collaborating Institutes of that country.	PAB deliberated and decided that Project team should work out more details, before approval is accorded.
14	Engagement of other agencies for metadata annotation and search related work for Indian language contents, content creation and software development	PAB accorded approval.
15	Overall Budget approval for NDL Phase -II	PAB in-principle approved, as per table appended below. Expenditure to be incurred only on the activities approved by PAB(s). Further the re-appropriation of funds between Recurring and Non-recurring will be required to be processed separately for approval of competent authority.

### **Budget for NDL-II**

(All figures in Rs. Crore)

<b>Non-Recurring Expenses</b>					
		<b>Total</b>	<b>Oct17-Mar18</b>	<b>Apr18-Mar19</b>	<b>Apr19-Mar20</b>
	<b>Equipment</b>	<b>8.10</b>	<b>0.35</b>	<b>4.70</b>	<b>3.05</b>
	<i>Servers &amp; Storage for NDLI Core (Common infrastructure for Item-1, 2, 3, 4)</i>	0.60	0.00	0.60	0.00
	<i>Scanner (Item-5)</i>	1.80	0.00	0.50	1.30
	<i>Equipment for Indian language e-Publishing (Item-6)</i>	0.25	0.00	0.10	0.15
	<i>Servers for Indian language OCR development (Item-7)</i>	0.50	0.00	0.25	0.25
	<i>Servers &amp; Storage for satellite projects like Medical Image Databank (Item-9)</i>	2.25	0.00	1.50	0.75
	<i>UPS &amp; Air-conditioning (Common</i>	1.50	0.00	1.00	0.50

	<i>infrastructure for Item-1, 2, 3, 4, 5, 6, 7, 9)</i>				
	<i>Networking Infrastructure (Common infrastructure for Item-1, 2, 3, 4, 5, 6, 7, 9)</i>	0.70	0.30	0.40	0.00
	<i>Software (Common infrastructure for Item-1, 2, 3, 4, 5, 6, 7, 9)</i>	0.50	0.05	0.35	0.10
<b>2</b>	<b>Office Setup</b>	<b>2.60</b>	<b>0.05</b>	<b>2.15</b>	<b>0.40</b>
	<i>PCs &amp; Office Equipment (Common infrastructure for Item-1, 2, 3, 4, 5, 6, 7, 9, 13, 14)</i>	0.85	0.00	0.60	0.25
	<i>Office Infrastructure (Common infrastructure for Item-1, 2, 3, 4, 5, 6, 7, 9, 13, 14)</i>	1.50	0.00	1.40	0.10
	<i>Software (Common infrastructure for Item-1, 2, 3, 4, 5, 6, 7, 9, 13, 14)</i>	0.25	0.05	0.15	0.05
<b>03</b>	<b>e-resources</b>	<b>11.66</b>	<b>0.00</b>	<b>5.00</b>	<b>6.66</b>
	<i>National licensing of Publishers' and Entrepreneurs' Contents and Services for School and College Education and Competitive Examinations (Item-2)</i>	9.86	0.00	3.50	6.36
	<i>National licensing of Gandhi Heritage Portal, Sabarmati Ashram Preservation Memorial Trust (Item-4)</i>	1.80	0.00	1.50	0.30
	<b>Sub-Total (Non-Recurring)</b>	<b>22.36</b>	<b>0.40</b>	<b>11.85</b>	<b>10.11</b>
<b>Recurring Expenses</b>					
<b>04</b>	<b>Manpower &amp; Consultant</b>	<b>15.13</b>	<b>0.70</b>	<b>4.03</b>	<b>10.40</b>
	<i>NDLI Core (Common for Item-2, 4, 12)</i>	5.38	0.50	1.88	3.00
	<i>Content creation (Item-1)</i>	1.00	0.00	0.25	0.75
	<i>Collaboration with e-learning organizations and entrepreneurs (Item-3)</i>	0.25	0.00	0.05	0.20
	<i>Scanning (Item-5)</i>	0.25	0.00	0.05	0.20
	<i>Indian language e-Publishing (Item-6)</i>	0.25	0.00	0.05	0.20
	<i>Indian language OCR development (Item-7)</i>	2.00	0.00	0.30	1.70
	<i>Satellite projects like Medical Image Databank (Item-9)</i>	2.50	0.00	0.50	2.00
	<i>Collaboration with entrepreneurs for content sourcing, user experience enrichment, promotion and sustenance exploration (Item-10)</i>	0.50	0.00	0.10	0.40
	<i>Collaboration with International libraries and archives (Item-11)</i>	0.25	0.00	0.10	0.15
	<i>International Interns (Item-13)</i>	0.25	0.00	0.05	0.20
	<i>Engagement of other agencies for meta data annotation, Indian language search, conte</i>	2.50	0.20	0.70	1.60

	<i>nt creation and software development (Item-14)</i>				
<b>05</b>	<b>Training, Workshop &amp; Conferences (National &amp; International)</b>	<b>4.44</b>	<b>0.40</b>	<b>1.08</b>	<b>2.96</b>
	<i>NDLI Core (Common for Item-1, 2, 3, 4)</i>	2.14	0.40	0.85	0.89
	<i>Indian language e-Publishing (Item-6)</i>	0.10	0.00	0.03	0.07
	<i>Indian language OCR development (Item-7)</i>	0.15	0.00	0.00	0.15
	<i>Satellite projects like Medical Image Databank (Item-9)</i>	0.75	0.00	0.10	0.65
	<i>International (Item-11)</i>	1.30	0.00	0.10	1.20
<b>06</b>	<b>Travel-National &amp; International (Pls, Project Staffs and Consultants)</b>	<b>2.57</b>	<b>0.20</b>	<b>0.83</b>	<b>1.54</b>
	<i>NDLI Core (Common for Item-1, 2, 4, 6, 10)</i>	1.17	0.20	0.50	0.47
	<i>Collaboration with e-learning organizations and entrepreneurs (Item-3)</i>	0.10	0.00	0.03	0.07
	<i>Indian language OCR development (Item-7)</i>	0.20	0.00	0.03	0.17
	<i>Satellite projects like Medical Image Databank (Item-9)</i>	0.50	0.00	0.05	0.45
	<i>International Collaboration and Conference Participation (Item-11 &amp; 13)</i>	0.50	0.00	0.20	0.30
	<i>International Interns (Item-13)</i>	0.10	0.00	0.02	0.08
<b>07</b>	<b>Promotion and Brand Building (Common for all Items, 1-14)</b>	<b>1.00</b>	<b>0.20</b>	<b>0.40</b>	<b>0.40</b>
<b>08</b>	<b>Annual Maintenance Contract (Common for Item 1, 2, 3, 4, 5, 6, 7, 9, 13, 14)</b>	<b>1.75</b>	<b>0.00</b>	<b>0.75</b>	<b>1.00</b>
<b>09</b>	<b>Consumables (Common for Item 1, 2, 3, 4, 5, 6, 7, 9, 13, 14)</b>	<b>2.11</b>	<b>0.31</b>	<b>0.85</b>	<b>0.95</b>
<b>10</b>	<b>Contingency, Administrative, Accounting &amp; Audit Services (Common for all Items, 1-14)</b>	<b>0.64</b>	<b>0.09</b>	<b>0.25</b>	<b>0.30</b>
	<b>Sub-Total (Recurring)</b>	<b>27.64</b>	<b>1.90</b>	<b>8.19</b>	<b>17.55</b>
	<b>GRAND TOTAL</b>	<b>50.00</b>	<b>2.30</b>	<b>20.4</b>	<b>23.31</b>

## Agenda-II - INFLIBNET

Director INFLIBNET gave background of the case and mentioned that, Honourable Minister of Human Resource Development, responding to the discussions on maintaining academic integrity and checking the menace of plagiarism, during the National Conference of Vice Chancellors and Directors of Institutions of Higher Education held on 24<sup>th</sup> July, 2018 agreed for provisioning of Plagiarism Detection Software by MHRD as central facility. Subsequently, a sub-committee under Chairmanship of Prof. P.P. Chakrabarti, Director, IIT

Kharagpur was constituted. The committee recommended that Plagiarism detection software may be procured for 20 lakh users (including all faculty, all research scholars, ½ of PG and 15% UG students) and 20 lakh documents (size of the document would be 20 (A4) size pages) distributed across 950 universities. PAB deliberated and following decisions emerged:

- The right sizing of the base (minimum) requirements in terms of Users, Number of documents and size of each document should be worked out and INFLIBNET Centre may float tender for subscription to plagiarism detection software on QCBS basis so that the best performing software can be subscribed. Provision may be made for subscription (tier based) of additional documents and additional users, in case of increase in demand from universities. In case lesser than base (negotiated) documents gets scrutinised during the licensed period, the balance documents should be carried forward to subsequent license subscription period. The procurement of Plagiarism Detection Software should be undertaken on the high priority by INFLIBNET.

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## Annexure-I

**List of participants who attended the 2<sup>nd</sup> meeting of Project Approval Board (PAB) for National Digital Library held on 30.11.2018.**

1. Shri R Subrahmanyam, Secretary (HE) M/o HRD. Chairperson
2. Shri N. Saravana Kumar, Joint Secretary (TEL & ICC) M/o HRD. Member
3. Smt Darshana M Dabral, Joint Secretary (FA) M/o HRD. Member
4. Prof K Mangala Sunder (IIT Madras). Member
5. Prof Uma Kanjilal, National coordinator of SWAYAM & Swayam Prabha, IGNOU. Member
6. Dr Jagdish Arora, Director INFLIBNET Centre. Sepcial Invitee.
7. Smt Malathi Narayanan, Deputy Secretary (ICT), M/o HRD.
8. Prof P P Das, Jt PI, IIT Kharagpur.
9. Dr B Sutradhar, Librarian, IIT Delhi.
10. Sh Nand Gopal Chattopadhyay, CTO, IIT Kharagpur.
11. Dr Nabi Hasan, Librarian, IIT Delhi.
12. Sh Parameswaran N Advisor, NMEICT, M/o HRD.
13. Shri G S Malik, Consultant, NMEICT, M/o HRD.
14. Md Saleh Nadim, ASO, M/o HRD.