

Ministry of Human Resource Development

Presentation on

Teacher Education and the

Proposed National Mission on Teachers and Teaching (NMTT)

Issues of Convergence in Teacher Education

□ Revision of B.Ed Curriculum by Universities

- One of the key recommendations of the Justice Verma Commission pertains to the re-designing of the current Teacher Education Programs, in accordance with NCFTE, 2009.
- As per information of NCTE, there are around 320 Universities in India that offer Teacher Education courses and around 95 Universities have revised the B.Ed.. curriculum and 29 are in the process of revision.
- Information from rest of the Universities is awaited and UGC may furnish updated information in this regard.
- 21 States have aligned their D.El.Ed. program with NCFTE, 2009.

☐ Issues related to Affiliating norms.

■ NAAC Accreditation.

 At present, the NAAC is continuing with the accreditation of Teacher Education Institutions.

Issues of Convergence in Teacher Education

- Need for Universities to Institute Teacher Learning Centres as part of all Teacher Education Programmes.
- Teacher Education(TE) should be made a part of Higher Education System and duration of TE programmes may be enhanced:
- ▶ bringing Diploma programmes (2 year D.El.Ed after +2) within the University system.
- ➤ commencement of longer duration integrated programmes and enhancing duration of B.Ed/ M.Ed to 2 years would require collaboration between the University system and the NCTE.
- The Institutional capacity should be increased for preparation of Teacher Educators. Need to make the Masters in Education programme of 2-year duration with the provision for specialization in curriculum and pedagogic studies, foundation studies, management, policy and finance, and other areas of emerging concerns in education.
- Continuous professional up-gradation of teacher educators.

Proposed National Mission on Teachers and Teaching (NMTT) in XII Five Year Plan

- A National Mission on Teachers and Teaching would be launched.
- Issues of teacher education are dealt holistically
- Recognise the central role of teachers in improving academic quality,
- Sub-mission on higher education would pool all the ongoing initiatives and new initiatives on faculty development under one umbrella for their implementation and better monitoring
- Sub-mission on school sector would focus on expanding the capacity for preparation of teacher educators by setting up 40 Schools of Education in the university system

CABE Committee on NMTT

- The CABE Committee on National Mission on Teachers and Teaching under the Chairmanship of Dr. Shashi Tharoor, then Minister of State, MHRD submitted its Report giving recommendations on seven major thrust areas-
- Enhancing the availability of teachers;
- Ensuring continuing professional development opportunities;
- Development of guidelines/frameworks for the improvement of the existing institutional structures and processes for professional development of teachers;
- Formulating strategies for attracting and retaining talented youth into the teaching profession; significantly raising the social and professional status of teachers;

CABE Committee on NMTT

- Formulating strategies for attracting and retaining teachers from Scheduled Castes, Scheduled Tribes,
 OBCs and Minority communities;
- Formulating guidelines for recruitment of and provision of necessary facilities for differently-abled teachers in educational institutions to make education inclusive across all levels; and
- Enhancing quality of teaching, teacher education and teacher training and use of technology;

Existing Schemes and ongoing initiatives

- Under Department of School Education and Literacy, the Centrally Sponsored Scheme of Teacher Education Scheme revised for the XII Plan in March, 2012 and approved outlay is Rs 6305.45 cr. for XII Plan - Centre State sharing in the ratio of 75:25 (90:10 for NER).
- Under Department of Higher Education, several ongoing activities & initiatives by:
 - UGC, AICTE, IIM's , TEQIP , Central Universities, NITTTR's,
 - NMEICT Mission,
 - New CSS of RUSA.
- There are also schemes /initiatives undertaken for human resource development under Departments of Science and Technology and Information Technology.

Outcomes

- Create 40 Schools of Education;
- Create around 10,000 Ph.Ds;
- Create an additional mass of about one lakh school/college/university teachers as the critical pool of human resources; sector —wise and discipline-wise by 2020; so as to improve the faculty-student ratios;
- Within the one lakh ensure adequate numbers of SC, ST, OBC, Minorities and Women are inducted;
- Create a sufficient base of teacher educators and promote excellence in faculty for academic leadership positions;
- Create new institutional structures for specialized programmes and meet the gaps in capacity building for teaching learning development, curriculum, assessment, academic leadership, policy research and specialized inter- university centres;
- Create around 50 subject based networks in different disciplines.

Strategies

Policy measures:

facilitate recruitment and appointment, flexibility in engaging a variety of teachers, inter alia, such as part-time, contractual, adjunct, visiting etc., teaching assistantships, faculty mobility, incentivisation;

Programmatic and scheme based interventions:

pre-service & in-service training through existing and new institutional structures, new academic programmes & courses, strengthening post-graduate and doctoral programmes, pre-scheduling year long training calendars, online training;

Project based activities:

ICT based training, training of Maths, Science, Language teachers for schools, Core science & engineering courses in technical education, general courses in social science, humanities and vocational courses

Integrated Model of Teacher Training

➤ RIE, Indian Institute of Teacher Education (IITE), and some State Universities offer Four-year integrated course on teacher education- B.Sc./BA + B.Ed.

> Each course has outlined Clear objectives with specific outcomes.

➤ Mode of transaction- Assignment, Project work, Face to face interaction with counselor, Group discussion and Survey study and List of Reference Books are also included.

Major Components

I. Institutional Oriented

- Creation of New Institutional Arrangements
 - (i) Schools of Education (40 Nos.)
 - (ii) Centres of Excellence in Teaching and Learning Development (55)
 - (iii) Inter-University Centres for Teacher Education
- Rejuvenating Existing Departments of Education in State Universities

II. Individual Oriented

- (i) Increasing number of teachers/faculty Target 10,000 Ph.Ds
- (ii) Innovations, Awards and Teaching Resource Grant/Support for faculty

Major Components

III. Networks and Alliances

- (i) Subject Networks for Curricular Renewal and Reforms
- (ii) National Resource Centre for Education /Higher Education Academy

IV. Academic Leadership

- (i) Institutes of Academic Leadership (5 Nos.)
- (ii) Centres of Education Management (5 Zonal centres)

V. Policy Research

- (i) Centre for Policy Research
- (ii) Research surveys and studies
- (iii) Workshops & Seminars

Proposed Outlay

- It is a Central Sector Scheme, fully funded by the Government of India.
- In the Twelfth Five Year Plan, NMTT has an approved outlay of Rs.1700 crore
- In the Annual Plan 2014-15, an amount of Rs.100 crore has been provided.

THANK YOU

INFRASTRUCTURE REQUIREMENTS OF NEW IITs, IIITs, NITs, IIMs, SPA

Infrastructure Issues of IITs

IIT-Indore:

- The Govt. of M.P. has allotted 501.42 acres of land for permanent campus, out which 200 acre is yet to be officially handed over by the Forest Department to the Institute.
- 2.12 acres yet to be mutated in the name of IIT-Indore.
- 96% boundary wall has been completed. The remaining could not be completed due to resistance and threat from unduly persons assisted by local political elements.
- Approval for Solid Waste Disposal is required from Indore Municipal Corporation.
- Clearance from M.P. Pollution Control Board required.

IIT-Mandi:

- Better and faster road connectivity through Mandi-Katindi-Kamand link road to the National Highway NH21 & NH20 with alternate road route to Mandi through Uhl valley. The agencies, Director (Technical Education), Forest Department (both at State & Center) have been approached repeatedly to expedite the matter.
- Delay in transfer of land allocated to the Institute resulting in wait for definition of Institutional area and enabling rights needed to restrain trespassers.

IIT-Bhubaneswar:

- Private land acquisition of about 21 acres under Jatni Tahasil covering Khudupur, Kansapada, Podapada, Goradharmasagar and Arugul under Jatni Tahasil;
- Dispute on lease of lands of about 2.80 acres and relocation of 15 houses constructed under Indira Awas Yojana;
- Identification of about 100 acres of land in Puri district for compensatory afforestation for Forest Land Diversion
- Finalization of regular lease in favour of the Institute for all the allotted land etc.

IIT-Gandhinagar:

- Institute has been given about 200 acres of land, of which a substantial part consists deep ravines that can not be utilized for construction and this puts a severe limit of the future expansion of the institute.
- More land in the vicinity of the allotted land is critically needed. IIT-GN is regularly pursuing with the Government of Gujarat for additional land.

Infrastructure Issues of IIITs

- IIIT Kottayam, Kerala has finalized the land, but the land has not yet been handed over to the IIIT Kottayam Society due to delay in acquisition by more than a year.
- MoA of IIIT Tripura not signed as the bank guarantees have not come from the Industry Partner(s).
- Goa, Orissa, Punjab, Bihar, Chhattisgarh and J&K not able to get industry partners; these state have not forwarded their DPR
- IIIT, Surat, Gujarat Despite two reminders, clarification regarding Industry Partner(s) has not been received.
- **IIIT Bhopal, Madhya Pradesh** The State Govt. has been requested to find another private Industry Partner alongside Madhya Pradesh Mineral Development Corporation for fruitful industry academia partnership.
- Kerala, West Bengal, Haryana and Assam have demanded reservation for State students in the proposed IIIT in PPP mode.

Infrastructure Issues of New NITs

During 2009 (XI plan), 10 new NITs have been established, 08 in Non-NIT States and 02 in UTs of Delhi and Puducherry. Land for permanent campuses was earmarked for all. However, the physical transfer of land is yet to be done by the respective State Govts.

- NIT Delhi : Government of Delhi already paid Rs.158 core to DDA for transfer of land earmarked at Narela for permanent campus of NIT Delhi. DDA now demanded Rs.18 crore towards interest due to belated payment of premium amount by the Delhi Government.
- NIT Goa: Government of Goa was requested repeatedly for transfer of land earmarked at Cuncolim. State Government of Goa not transferred the land due to its constant demand of exclusive 50% reservation for domicile of Goa State only.
- NIT Sikkim: Government of Sikkim was requested repeatedly for transfer of land earmarked at Khamdong. The response of the State Government is still awaited.
- The issue of transfer of land has repeatedly been taken up with the State Government at Chief Secretary as well as Hon'ble CM level.

In addition to the issue of transfer of land in NITs – Delhi, Goa and Sikkim, there are some other issues in two NITs.

NIT – Arunachal Pradesh:

Govt. of Arunachal Pradesh is requested to provide smooth motorable road from Yupia (temporary campus) to Jote.

NIT – Mizoram :

Govt. of Mizoram is requested to provide road, electricity and water connections at the permanent campus located at Lengpui to further facilitate the construction activities.

Infrastructure Issues of IIMs

IIMs (7 new IIMs)

• **Rohtak**: Change of Land Use certificate issued on **09.06.2014**. The institute is submitting the Change of Land Use Certificate (CLU) to the SEIAA (the State Environment Impact Assessment Authority) for environment clearance.

• Udaipur:

- (i) The allotted land is under peripheral control belt as per master plan 2022 and to establish institute in periphery control belt the NOC from High Court, Jodhpur is pending since 1 year.
- (ii)State Government may intercede with UIT (Udaipur Improvement Trust) & Advocate General of Rajasthan for NOC for IIM Udaipur similar to already provided to IIT Jodhpur.
- Ranchi: Land not allocated. Government of Jharkhand has approved 94.36 Acre. 4.22 acre of Raiyati land still to be acquired

Infrastructure Issues of SPA - VIJAYAWADA

School of Planning and Architecture – Vijayawada (SPAV) was established on 07.07.2008 by the Ministry of HRD.

Land Transfer Issue

So far, land measuring 9.66 acres only has been transferred by the State Government against the projected land of 63.23 acres offered, initially.

Solution

Transfer of additional land measuring 73.29 acres identified near Gannavaram Airport, Vijayawada.

Status

A request has been made to the Government of Andhra Pradesh to expedite the proposal to allot 73 acres.

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (PHASE – II)

June 17, 2014

TEQIP (PHASE-II)

- "Centrally Sponsored Scheme" (CSS), aided by the World Bank
- 190 competitively selected engineering institutions are participating
- Duration of the Project : 4 years (Aug. 2010 Dec 2014)
- Project Objectives:
 - To strengthen the Institutions to produce high quality engineers for better employability;
 - To scale-up postgraduate education and demand-driven Research & Development and Innovation;
 - To establish Centers of Excellence for focused applicable research;
 - To train faculty for effective Teaching; and
 - To enhance Institutional and System Management effectiveness.

Funding:

- Total Outlay of the Project : Rs. 2430 Crore
- Project cost borne by MHRD and States
 - ➤ Govt./Govt. aided Institutions : 75:25 Regular States

: 90:10 – Special Category States

Private unaided institutions : 60:20:20 (institutions share)

- Budget Allocation for the year 2013-14: Rs. 400 Crore
- Fund released: Rs 399.71 Crore
- Budget Allocation for the year 2014-15: Rs. 450 Crore
- Fund released : Rs. 86.40 Crore
- Fund in Pipeline : Rs 41.58 Crore

PROJECT INSTITUTIONS:

State participating in the project	:	22	
Total No. of Institutions selected	:	190	
Sub-component 1.1	:	113	
Strengthening Institutions to improve learning outcomes and employability of graduates		CFIs Govt. /Govt. aided Private unaided	8 82 23
Sub-component 1.2	:	77	
Scaling-up Post Graduate education and demand driven R&D&I		CFIs 17	:
		Govt. /Govt. aided Private unaided	46 14

PERFORMANCE ASSESSMENT INDICATORS

FOR 3RD JOINT REVIEW MISSION BY THE WORLD BANK & GOVERNMENT OF INDIA HELD FROM 28TH APRIL TO 2ND MAY 2014

- 1. Autonomy (obtained or applied for)
- 2. Board of Governors (BoG) in existence
- 3. Minutes of Meeting of BoG published on institution's website
- 4. **Governance Self Review done** it consists of a questionnaire to be filled by BoG about the contribution made by the BoG in the last year and the suggestions to make it more effective in the year ahead
- 5. NBA accreditation
- **6. Statutory audit completed** audit done by chartered accountant about the financial transactions
- 7. 1st round of Performance Audit & Data Audit completed audit of academic performance and related data by an academician
- **8. MIS data entry consistent for 4 years** complete entry of data on institutions, students, faculty, staff, infrastructure etc consistently for 2010-11, 2011-12, 2012-13 and 2013-14
- **9. Actual expenditure (60% of 1st instalment) –** *Institutions should have utilized 60% of the funds released in 1st instalment*
- **10.** Committed expenditure (100% of total funds received) Institutions should have commitment for the utilization of the total funds received by having action plan duly approved by the BoG

PERFORMANCE ASSESSMENT

S. No	Name of State	No. of Institutions	No. of Institutions meeting 8 out of 10 indicators	% of fulfillment
1	Gujarat	7	7	100
2	Himachal Pradesh	1	1	100
3	Jharkhand	2	2	100
4	Karnataka	19	19	100
5	Kerala	19	19	100
6	Maharashtra	17	17	100
7	Tamil Nadu	9	9	100
8	UT-Chandigarh	3	3	100
9	UT-Puducherry	1	1	100
10	Uttar Pradesh	7	7	100
11	Uttarakhand	3	3	100

Contd....

S. No.	Name of State	No. of Institutions	No. of Institutions meeting 8 out of 10 indicators	% fulfillment
12	Andhra Pradesh	24	22	91.6
13	Madhya Pradesh	5	4	80
14	Punjab	8	6	75
15	Rajasthan	9	4	44.4
16	Odisha	2	1	50
17	West Bengal	15	14	93.3
18	Haryana	6	5	83.3
19	Bihar	2	0	0
20	Chhattisgarh	4	0	0
21	NCT-Delhi	1	0	0
22	Tripura	1	0	0

Details of the institutions which could not fulfill the following indicators

University College of Engineering, Kakatiya University, Kothagudem, Andhra Pradesh

- o Have not applied for autonomous institution status
- Not submitted Governance self review
- Not applied for NBA accreditation
- o Not conducted academic performance auditing
- Not entered MIS data consistently for 4 years

JNTU Institute of Science & Technology, Hyderabad, Andhra Pradesh

- Not submitted Governance self review
- Not applied for NBA accreditation
- Not conducted academic performance auditing
- Not entered MIS data consistently for 4 years

Shri GS Institute of Technology & Science, Indore, Madhya Pradesh

- Not published Minutes of Meeting of BoG on institution's website
- Not applied for NBA accreditation
- o Not conducted academic performance auditing
- o Not entered MIS data consistently for 4 years

College of Agriculture Engineering and Technology, Punjab Agriculture University, Ludhiana, Punjab

- Not submitted Governance self review
- Not applied for NBA accreditation
- o Not conducted academic performance auditing
- Not entered MIS data consistently for 4 years

Guru Nanak Dev University, Amritsar, Punjab

- Not submitted Governance self review
- Not applied for NBA accreditation
- o Not conducted academic performance auditing
- o Not entered MIS data consistently for 4 years

■ M L V Textile & Engineering College, Bhilwara, Rajasthan

- Not conducted academic performance auditing
- o Not have 60% expenditure of 1st installment
- Not committed expenditure against total funds received till March 2014

College of Technology and Engineering, Maharana Pratap University of Agriculture and Technology, Udaipur, Rajasthan

- Not applied for NBA accreditation
- Not completed statutory audit
- o Not conducted academic performance auditing
- o Not have 60% expenditure of 1st installment
- Not committed expenditure against total funds received till March 2014

Govt Engineering College, Ajmer, Rajasthan

- Not completed statutory audit
- o Not have 60% expenditure of 1st installment
- o Not committed expenditure against total funds received till March 2014

Government Women Engineering College, Ajmer, Rajasthan

- Not applied for autonomous institution status
- Not completed statutory audit
- Not conducted academic performance auditing
- Not conducted academic performance auditing
- Not entered MIS data consistently for 4 years

Government Engineering College, Jhalawar, Rajasthan

- Not applied for autonomous institution status
- Not applied for NBA accreditation
- Not completed statutory audit
- Not conducted academic performance auditing
- Not entered MIS data consistently for 4 years
- o Not have 60% expenditure of 1st installment
- Not committed expenditure against total funds received till March 2014

Veer Surendra Sai University of Technology, Burla, Sambalpur, Odisha

- Not published minutes of meeting on institution's website
- Not submitted governance self review
- Not applied for NBA accreditation

Govt College of Engineering and Textile & Technology, Berhampore, West Bengal

- Not applied for autonomous institution status
- Not applied for NBA accreditation
- Not entered MIS data consistently for 4 years Faculty of Engineering & Technology, Deenbandhu
 Chhotu Ram University of Science & Technology, Murthal, Sonipat, Haryana
- Not submitted governance self review
- Not applied for NBA accreditation
- Not entered MIS data consistently for 4 years

Bhagalpur College of Engineering, Bhagalpur, Bihar

- Not applied for NBA accreditation
- Not conducted academic performance auditing
- o Not entered MIS data consistently for 4 years
- o Not have 60% expenditure of 1st installment
- Not committed expenditure against total funds received till March 2014

Muzaffarpur Institute of Technology, Muzaffarpur, Bihar

- Not applied for NBA accreditation
- Not conducted academic performance auditing
- Not entered MIS data consistently for 4 years
- o Not have 60% expenditure of 1st installment
- o Not committed expenditure against total funds received till March 2014

Government Engineering College, Bilaspur, Chhattisgarh

- Not applied for NBA accreditation
- o Not have 60% expenditure of 1st installment
- Not committed expenditure against total funds received till March 2014

Rungta College of Engineering & Technology, Bhilai, Chhattisgarh

- Not applied for NBA accreditation
- Not conducted academic performance auditing
- Not entered MIS data consistently for 4 years

Government Engineering College, Jagdalpur, Bastar, Chhatishgarh

- Not applied for autonomous institution status
- Not applied for NBA accreditation
- Not entered MIS data consistently for 4 years

Government Engineering College, Raipur, Chhatisgarh

- Not applied for autonomous institution status
- Not applied for NBA accreditation
- Not entered MIS data consistently for 4 years

Delhi Technological University, Delhi

- o Not published minutes of meeting on institution's website
- Not applied for NBA accreditation
- Not conducted academic performance auditing
- Not entered MIS data consistently for 4 years
- o Not have 60% expenditure of 1st installment
- Not committed expenditure against total funds received till March 2014

Tripura Institute of Technology, Narsingarh, Tripura

- Not applied for autonomous institution status
- Not applied for NBA accreditation
- Not conducted academic performance auditing
- o Not have 60% expenditure of 1st installment
- o Not committed expenditure against total funds received till March 2014

Issues with States

Quality Initiatives

- O Quality Circles" have been initiated in IITs (Kanpur, Hyderabad, Madras, Bombay, Delhi, Kharagpur & Gandhinagar) by establishing Knowledge Incubation Centre (KIT) for Project institutions.
 - √ 550 faculty members have been trained
- o Direct to Student programme in 73 project institutions under Quality Enhancement in Engineering Education (QEEE) programme
 - ✓ Top quality content and pedagogical resources provided to the students through technology

o Capacity Development Programmes with IIMs

- ✓ IIMs (Indore, Lucknow, Bangalore Kozhikode & Trichy are conducting Training programmes
- ✓ 640 senior faculty members /administrators benefitted.
- ✓ IIM Udaipur & Raipur planning to conduct such programmes

Issues:

- Implementation of trainings received should be ensured in respective institutions
- States may nominate more faculty members for the training by IITs and IIMs
- More institutions should participate in QEEE

Faculty position

- √ 66% regular faculty available vis-à-vis sanctioned posts
- ✓ States having < 50% filled post are Bihar (19%), Chhattisgarh (34%), Gujarat (47%), Himachal Pradesh (22%), Odisha (47%) and Uttarakhand (42%)

Financial Issues

Funds released by MHRD but not released by the States to Institutions

S.No.	Name of the State	Date of Release by MHRD	Amount (in Cr.)	Total amount (in Cr.)
1	Chhattisgarh	11.07.2012	0.24	0.24
2	Karnataka	11.02.2014	2.63	2.63
3	Odisha	27.02.2014	3.00	3.00
4	Punjab	28.02.2013	4.59	
		16.08.2013	2.50	
		26.09.2013	10.18	19.89
		04.11.2013	1.50	
		11.02.2014	1.12	
5	Rajasthan	27.02.2014	1.50	1.50
6	Uttar Pradesh	11.02.2014	2.25	2.25
Grand Total			29.51	

THANKS