

ANNEXURE - A						
Financial Requirements and Phasing						
NATIONAL MISSION IN EDUCATION THROUGH INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)						
	(Rs. In Crores)					
ITEMS	Financial Projections * Phase-I	2008-09	2009-10	2010-11	2011-12	
CONTENT GENERATION						
NPTEL phase II / III						
PG Classes						
UG Classes						
NCERT for VI to XII & NIOS						
Video content digitization, conversion, chunking and dubbing CEC / IGNOU / NCERT / SIET / OTHERS						
Provision of e-books and e-journals free to the learners						
Standardisation of quality assurance of contents & certification / automation of certification						
Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning						
Development of language converter and translation tool kit						
Development and realization of Virtual Reality Laboratories and supporting facilities for e-learning						
Spread Digital Literacy for Teacher Empowerment 'A'						
Development of Certification & Testing Modules for Virtual Technological Universities & creation of VTU, multi media research and international programmes						
Development of ultra low cost access devices for wider coverage of learners & production for poor students						
Talk to a teacher to provide a substitute for coaching for the economically poor students						
Development of software controlled hardware programming for robotics & other crucial areas						
Adaptation & deployment of open source simulation packages equivalent to MATLAB, ORCAD etc.						
Development of unified ERP system for Educational Institutions						

Publicity & training of motivators & trainers to ensure full utilization of the systems by institutions & students. Teacher Empowerment 'B'					
Conversion of available content in various regional languages					
Development of Vocational Educational modules and use of haptic devices for education & training					
Sub Total					
CONNECTIVITY					
Communication & bulk storage servers at 100 premier institutions					
1 EduSAT teaching hub at each of the 100 Central Institutions / premier institutions					
20 EduSAT Satellite Interactive Terminals at each of the 100 Central Institutions /premier institutions					
2000 nodes for 1 Gbps connectivity at each of the 100 Central Institutions / premier institutions to be connected through BSNL Internet + VPN Plan					
1 EduSAT Satellite Interactive Terminal at each of the 18000 Institutions of Higher Learning					
15-20 nodes for 7.5-10 Mbps connectivity at each of the 18000 Institutions of Higher Learning connected through BSNL Internet + VPN Plan					
6 uplinking hubs for 6 National Beam transponders of EduSAT					
Provision of 1000 DTH Channels for Eklavya & other video based programmes including IPTV for e-learning					
Provision of 100 PC in 18000 Institutions of Higher Learning @ 1 per faculty member on 50:50 cost sharing					
iPStar satellite access device @ \$250 per device for $100*300+18000*5 = 120000$ terminals @ one tenth					
Bandwidth charges for iPStar terminals 100cr + 200 cr + 200 cr + 100 cr + 50 cr till our satellite has 45 Gbps capacity @ one tenth					
Sub Total					
Grand Total					
* 1% of the above mentioned costs would be utilized towards recurring administrative expenses with the approval of the Empowered Committee of Experts.					