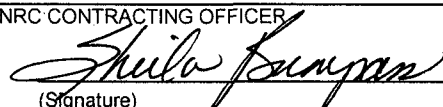


**U.S. NUCLEAR REGULATORY COMMISSION  
NOTICE OF GRANT/ASSISTANCE AWARD**

1. GRANT/AGREEMENT NO. NRC-04-07-084		2. MODIFICATION NO. M005		3. PERIOD OF PERFORMANCE FROM: 06/19/2007 TO: 06/18/2010		4. AUTHORITY Pursuant to Section 31b and 141b of the Atomic Energy Act of 1954, as amended	
5. TYPE OF AWARD  <input type="checkbox"/> GRANT <input checked="" type="checkbox"/> COOPERATIVE AGREEMENT		6. ORGANIZATION TYPE  Non-Profit/Education  DUNS: 001425594		7. RECIPIENT NAME, ADDRESS, and EMAIL ADDRESS MASSACHUSETTS INSTITUTE OF TECHNOLOGY  77 MASSACHUSETTS AVE  CAMBRIDGE MA 021394301			
8. PROJECT TITLE: "Advanced Nuclear Technologies"							
9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED  01/30/2007  AND APPENDIX A-PROJECT GRANT PROVISIONS		10. TECHNICAL REPORTS ARE REQUIRED  <input checked="" type="checkbox"/> PROGRESS AND FINAL <input type="checkbox"/> FINAL ONLY <input type="checkbox"/> OTHER (Conference Proceedings)		11. PRINCIPAL INVESTIGATOR(S) NAME, ADDRESS and EMAIL ADDRESS Massachusetts Institute of Technology Attn: Mujid Kazimi, Director 77 Massachusetts Avenue Cambridge, MA 02139-4301			
12. NRC PROGRAM OFFICE (NAME and ADDRESS) U.S. Nuclear Regulatory Commission Attn: Raymond Skarda, 301-251-7969 Mail Stop: CSB/C3A7M 11545 Rockville Pike Rockville, MD 20852		13. ACCOUNTING and APPROPRIATION DATA APPN. NO: 31X0200.060 B&R NO: 06015171277 JOB CODE: K6436 BOC NO: 4110 OFFICE ID NO: 04		14. METHOD OF PAYMENT  <input type="checkbox"/> ADVANCE BY TREASURY CHECK <input type="checkbox"/> REIMBURSEMENT BY TREASURY CHECK <input type="checkbox"/> LETTER OF CREDIT <input checked="" type="checkbox"/> OTHER (SPECIFY) Electronic ASAP.gov (See Remarks in Item #20 "Payment Information")			
15. NRC OBLIGATION FUNDS		16. TOTAL FUNDING AGREEMENT					
THIS ACTION		\$60,000.00		NRC		\$750,000.00	
PREVIOUS OBLIGATION		\$550,000.00		RECIPIENT			
TOTAL		\$610,000.00		TOTAL		\$750,000.00	
17. NRC ISSUING OFFICE (NAME, ADDRESS and EMAIL ADDRESS)  U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Sheila Bumpass Mail Stop: TWB-01-B10M Washington, DC 20555							
18.  Acceptance of or objections to the Terms and Conditions of Award must be Emailed to the NRC Issuing Office (Block #17) within three (3) business days following the Award issue date. NRC considers lack of response as acceptance by the grantee of the terms and conditions of award.				19. NRC CONTRACTING OFFICER   (Signature) NAME (TYPED) Sheila Bumpass  TITLE Contracting Officer  TELEPHONE NO. 301-492-3484  11/7/09 (Date)			
20. PAYMENT INFORMATION  Payment will be made through the Automated Standard Application for Payment (ASAP.gov) unless the recipient has failed to comply with the program objectives, award conditions, Federal reporting requirements or other conditions specified in 2 CFR 215 (OMB Circular A110).							
21. Attached is a copy of the "NRC General Provisions for Grants and Cooperative Agreements Awarded to Non-Government Recipients. Acceptance of these terms and conditions is acknowledged when Federal funds are used on this project.							
22. ORDER OF PRECEDENCE  In the event of a conflict between the recipient's proposal and this award, the terms of the Award shall prevail.							
23. By this award, the Recipient certifies that payment of any audit-related debt will not reduce the level of performance of any Federal Program.							

TEMPLATE - ADM00

SUNSI REVIEW COMPLETE

NOV 23 2009

ADM002

The purpose of this modification is to correct modification 4, provided incremental funding in the amount of \$60,000, as reflected on page 1, and to change the Project Officer from Samina Shaikh to Raymond Skarda. Specific changes are as follows:

1. Modification 4 is hereby corrected to delete the funding amount of \$50,000 indicated in Block 15. Therefore, Block 15 is corrected to read:

This Action:	\$0.0
Previous Obligation:	\$550,000.00
Total:	\$550,000.00

2. Provide incremental funding in the amount of \$60,000, thereby increasing the total obligated amount to \$610,000.

3. Change the Project Officer from Samina Shaikh to Raymond Skarda. All references in the Cooperative Agreement to "Ms. Samina Shaikh" are hereby replaced with "Mr. Raymond Skarda."

All Other terms and Conditions Remain The Same