

# Grant and Cooperative Agreement

CHOOSE ONE:

- COOPERATIVE AGREEMENT  
 GRANT

CHOOSE ONE:  EDUCATION  FACILITIES  RESEARCH  SDCR  TRAINING

1. GRANT/COOPERATIVE AGREEMENT NUMBER NRC-04-08-144	2. SUPPLEMENT NUMBER M0016	3. EFFECTIVE DATE 06/28/2016	4. COMPLETION DATE
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5. ISSUED TO NAME/ADDRESS OF RECIPIENT (No., Street, City/County, State, Zip) UNIVERSITY OF CALIFORNIA, BERKELEY 2150 Shattuck Avenue, Room 313 BERKELEY CA 947045940	6. ISSUED BY U.S. NRC - HQ Mailing Address: Acquisition Management Division Mail Stop: TWFN-5E03 Washington DC 20555-0001
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7. TAXPAYER IDENTIFICATION NO. (TIN) 94-6002123	9. PRINCIPAL INVESTIGATOR/ORGANIZATION'S PROJECT OR PROGRAM MGR. (Name & Phone) Professor Khalid Mosalam, Peer Director Email: mosalam@berkeley.edu; Phone: 510-634-4805
8. COMMERCIAL & GOVERNMENT ENTITY (CAGE) NO.	

10. RESEARCH, PROJECT OR PROGRAM TITLE  
NEXT GENERATION ATTENUATION MODEL FOR CENTRAL AND EASTERN US (NGA-EAST)

11. PURPOSE  
See Schedule

12. PERIOD OF PERFORMANCE (Approximately)  
10/01/2008 through 06/30/2017

13A.	AWARD HISTORY	13B.	FUNDING HISTORY
PREVIOUS	\$2,015,000.00	PREVIOUS	\$2,015,000.00
THIS ACTION	\$200,000.00	THIS ACTION	\$200,000.00
CASH SHARE	\$0.00	<b>TOTAL</b>	\$2,215,000.00
NON-CASH SHARE	\$0.00		
RECIPIENT SHARE	\$0.00		
<b>TOTAL</b>	<b>\$2,215,000.00</b>		

14. ACCOUNTING AND APPROPRIATION DATA  
2016-X0200-FEEBASED-60-60D001-17-6-161-1061-4110

PURCHASE REQUEST NO.	JOB ORDER NO.	AMOUNT	STATUS
See Schedule			

15. POINTS OF CONTACT

	NAME	MAIL STOP	TELEPHONE	E-MAIL ADDRESS
TECHNICAL OFFICER	SARAH B. SHAFFER	TWFN/10B21	301-415-2031	SARAH.SHAFFER@NRC.GOV
NEGOTIATOR				
ADMINISTRATOR	M'LITA R. CARR		(301) 415-6869	MLITA.CARR@nrc.gov
PAYMENTS				

16. THIS AWARD IS MADE UNDER THE AUTHORITY OF:  
Pursuant to Section 31b and 141b of the Atomic Energy Act of 1953, as amended

17. APPLICABLE STATEMENT(S), IF CHECKED: <input checked="" type="checkbox"/> NO CHANGE IS MADE TO EXISTING PROVISIONS <input type="checkbox"/> FDP TERMS AND CONDITIONS AND THE AGENCY-SPECIFIC REQUIREMENTS APPLY TO THIS GRANT	18. APPLICABLE ENCLOSURE(S), IF CHECKED: <input type="checkbox"/> PROVISIONS <input type="checkbox"/> SPECIAL CONDITIONS <input type="checkbox"/> REQUIRED PUBLICATIONS AND REPORTS
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UNITED STATES OF AMERICA	COOPERATIVE AGREEMENT RECIPIENT
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CONTRACTING/GRANT OFFICER M'LITA R. CARR	DATE 06/28/2016	AUTHORIZED REPRESENTATIVE	DATE
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ITEM NO. (A)	ITEM OR SERVICE (Include Specifications and Special Instructions) (B)	QUANTITY (C)	UNIT (D)	ESTIMATED COST	
				UNIT PRICE (E)	AMOUNT (F)
	<p>CFDA Number: 77.009  DUNS Number: 124726725  Grant: NRC-04-08-144  REQ: RES-16-0330  REQ: RES-16-0449</p> <p>The purpose of this modification is to:</p> <ol style="list-style-type: none"> <li>1) Extend the period of performance;</li> <li>2) Increase the ceiling amount; and</li> <li>3) Provide incremental funding.</li> </ol> <p>As a result of this modification:</p> <ol style="list-style-type: none"> <li>1) The period of performance is extended from June 30, 2016 to June 30, 2017.</li> <li>2) The ceiling of the grant has increased by \$200,000.00 from \$2,015,000.00 to \$2,215,000.00.</li> <li>3) Incremental funding has been provided in the amount of \$200,000.00 thereby increasing the obligated amount by \$200,000.00 from \$2,015,000.00 to \$2,215,000.00.</li> </ol> <p>**All other terms and conditions remain the same.**</p> <p>LIST OF CHANGES:  Period Of Performance End Date changed from 2016-06-30 00:00:00 to 2017-06-30 00:00:00  Obligated Amount for this Modification:  \$200,000.00  New Total Obligated Amount for this Award:  \$2,215,000.00  Payment:  ASAP GRANT FUNDS REIMBURSEMENT SYS  US TREASURY  Period of Performance: 10/01/2008 to 06/30/2017</p>				