' AWARD/CONTRACT	11 THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350)			MATING	1 1 7
2. CONTRACT (Proc. Inst. Ident.) NO.	3. EFFECTIVE D		a. REQUI	SITION/PURCHASE REQUE	ST/PROJECT NO.
NRC-04-90-085	SEP 1	8 1990	R	S-RES-90-085	
S. ISSUED BY CODE		6. ADMINI	STEREDBY	(If other than I tem 5) CODI	
US Nuclear Regulatory Commiss Division of Contracts & Prope Contract Negotiation Branch No Washington, DC 20555	rty Mgmt	SEP	1 0 1990		
NAME AND ADDRESS OF CONTRACTOR (No	reet. city, county. St	ate and AIF Cod	r)	8. DELIVERY	
				_	
Westinghouse Electric Corporation Research and Development Center 1310 Beulah Road Pittsburgh, PA 15225				9. DISCOUNT FOR PROMPT	A OTHER ISEC BELOW
Fillsburgh, FA 13223				Net	
				10 SUBMIT INVOICES 14 copies unless other wise specified: TO THE	N See Atch 1
	CILITY CODE		Service and the second second second	ADDRESS SHOWN IN	
1. SHIP TO/MARK FOR CODE L.			NT WILL BE	CODE	: L
Refer to Section F.5 Herein		Divisio	US Nuclear Regulatory Commission Division of Accounting & Finance GOV/COM Section Washington, DC 20555		
TION:	AND OPEN COMPET		B&R No.: 0601922040 FIN: L15050		
10 U.S.C. 2304(e)() X 41 U.S.C.	253(c)(1)		APPN No.: 31X0200.600 OBLIGATED AMT: \$150.0		
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PDF	10160163 90 R CONTR C-04-90-085				
a n (A ppendia and Appendia and			15G. TOTAL	AMOUNT OF CONTRACT	\$ 398,598.00
		E OF CONTE	NTS		
V) SEC. DESCRIPTION	PAGE	(S) (V) SEC		DESCRIPTION	PAGES
PART I - THE SCHEDULE (A SOLICITATION/CONTRACT FORM 1		VIII	Y CONTRACT CLAUSES 28		
B SUPPLIES OR SERVICES AND PRICES/COSTS 8		PARTII	PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACH.		
C DESCRIPTION/SPECS./WORK STATEMENT 9		XJ	X J LIST OF ATTACHMENTS 45		
D PACKAGING AND MARKING 14		p	PART IV - REPRESENTATIONS AND INSTRUCTIONS		
(E INSPECTION AND ACCEPTANCE	15	K		TATIONS, CERTIFICATIONS	SAND
F DELIVERIES OR PERFORMANCE X G CONTRACT ADMINISTRATION DATA	16		OTHER STATEMENTS OF OFFERORS L INSTR. CONDS. AND NOTICES TO OFFERORS		
H SPECIAL CONTRACT REQUIREMENTS		M	M EVALUATION FACTORS FOR AWARD		
	VG OFFICER WILL				
7. X CONTRACTOR'S NEGOTIATED AGREEM	ent (Contractor is in opies to issuing office form all the services is invation sheets for the soft the parties to the provisions, represent	ne. 18	AWARD (Cor olicitation Nu the additions th in full abo ntinuation shi e following do	tractor is not required to sig	nich additions or chang the items listed above are to the contract which to the contract which to
Mick Zaharoff, Manager Proposal & Contracts Departmen	t		H. Mace	ACTING OFFICER	
9B. NAME OF COATRACTOR (Signated of person authorized to sign)	9/14/90		Vaus	S MERICA OFFICE	20C. DATE SIGNED
NSN 7540-00-157-8069 PREVIOUS EDITION UNUSABLE		26-107		STANDAR Prescribes	D FORM 28 (REV. 4.8

- Section "B.3 CONSIDERATION AND OBLIGATION--COST PLUS FIXED FEE (JUNE 1988) ALTERNATE I (JUNE 1988)
 - a. The total estimated cost to the Government for full performance of this contract is \$398,598.00, of which the sum of \$386,988.00 represents the total estimated reimburseable costs, and of which \$11,610.00 represents the fixed fee.
 - b. There shall be no adjustment in the amount of the Contractor's fixed fee by reason of differences between any estimate of cost for performance of this contract and the actual cost for performance of that work.
 - c. The amount presently obligated by the Government with respect to this contract is \$150,000.00.
 - d. It is estimated that the amount currently allotted will cover performance of Tasks 1, 2, and 3; Task 4 (1) Conversion of the existing version of the cognitive processor to a more widely available computer; Task 5 (1) Conversion of the CES cognitive processor code currently running on a Symbolics computer to make it able to run on the computer selected in Task 1; and purchase of the computer system.

(End of Clause)"

- 2. Section F.5, "PLACE OF DELIVERY," is completed as follows:
 - "a. Project Officer (Four copies)
 - U.S. Nuclear Regulatory Commission Office of Nuclear Regulatory Research Human Factors Branch, DSR Attn: Dr. Paul M. Lewis, Mail Stop: NLN-316 Washington, DC 20555
 - b. Contracting Officer (1 copy)
 - U.S. Nuclear Regulatory Commission Contract Number: NRC-04-90-085 Division of Contracts and Property Management Contract Adminstration Branch, Mail Stop P-902 Washington, DC 20555"

 Under Section F.6, "DURATION OF CONTRACT PERIOD," the first sentence is completed as follows:

"This contract shall commence on the effective date and shall expire eighteen months thereafter."

4. Paragraph a. under Section G.1 - INDIRECT COST RATES are completed as follows:

"a. Pending the establishment of final indirect rates which shall be negotiated based on audit of actual costs, the Contractor shall be reimbursed for allowable indirect costs, during the duration of this contract period, as follows:

Rate	Base	Period
Overhead - 125.4%	Direct Labor	1/1/90-12/31/90
General and Administrative - 18.53% Facilities Capital Cost of Money	Total Costs	1/1/90-12/31/90
Engineering Overhead09174	Total Labor	1/1/90-12/31/90
Corp Assets/G&A00168	Total Direct Costs	1/1/30-12/31/90

Paragraph a. under Section G.2 - PROJECT OFFICER AUTHORITY is completed as follows:

"a. The Contracting Officer's authorized representative hereinafter referred to as the Project Officer for this contract is:

Name: Dr. Paul M. Lewis

Address: U.S. Nuclear Regulatory Commission

Office of Nuclear Regulatory Research

Division of Systems Research

Human Factors Branch Washington, DC 20555 Telephone Number: (301) 492-3552"

Section G.4 - REMITTANCE ADDRESS is completed as follows:

"Address: (W) Electric Corporation

P.O. Box 65933

Charlotte, NC 28265"

- Paragraph a. under Section H.1 KEY PERSONNEL is completed to read as follows:
 - "a. The following individuals are considered to be essential to the successful performance of the work hereunder:

Dr. Emilie M. Roth Dr. Harry E Pople, Jr. (Consultant)

The Contractor agrees that such personnel shall not be removed from the contract work or replaced without compliance with paragraphs b and c hereof."

- 8. Section H.3 PRIVATE USE OF CONTRACT INFORMATION AND DATA. Delete in its entirety.
- Under Section I CONTRACT CLAUSES, the following by-reference clause is DELETED in its entirety and REPLACED by:

DELETED: 52.215-31 SEP 1987 WAIVER OF FACILITIES CAPITAL COST OF MONEY

REPLACED BY: 52.215-30 SEP 1987 FACILITIES CAPITAL COST

10. Under Section I - CONTRACT CLAUSES, the following full-text clauses are DELETED in their entirety:

"52.222-2 APR 1984 PAYMENT FOR OVERTIME PREMIUMS 52.223-6 MAR 1989 DRUG-FREE WORKPLACE"

The following new full-text clauses are SUBSTITUTED in lieu of the above deleted full-text clauses and are hereby made a part of this contract:

"52.222-2 JUL 1990 PAYMENT FOR OVERTIME PREMIUMS 52.223-6 JUL 1990 DRUG-FREE WORKPLACE"

All other terms and conditions remain unchanged.

1.2 PAYMENT FOR OVERTIME PREMIUMS (FAR 52.222-2) (JUL 1990)

- (a) The use of overtime is authorized under this contract if the overtime premium cost does not exceed \$0 or the overtime premium is paid for work-
- (1) Necessary to cope with emergencies such as those resulting from accidents, natural disasters, breakdowns of production equipment, or occasional production bottlenecks of a sporadic nature;
- (2) By indirect-labor employees such as those performing duties in connection with administration, protection, transportation, maintenance, standby plant protection, operation of utilities, or accounting;
- (3) To perform tests, industrial processes, laboratory procedures, loading or unloading of transportation conveyances, and operations in flight or afloat that are continuous in nature and cannot reasonably be interrupted or completed otherwise; or
 - (4) That will result in lower overall costs to the Government.
- (b) Any request for estimated overtime premiums that exceeds the amount specified above shall include all estimated overtime for contract completion and shall--
- (1) Identify the work unit; e.g., department or section in which the requested overtime will be used, together with present workload, staffing, and other data of the affected unit sufficient to permit the Contracting Officer to evaluate the necessity for the overtime;
- (2) Demonstrate the effect that denial of the request will have on the contract delivery or performance schedule;
- (3) Identify the extent to which approval of overtime would affect the performance or payments in connection with other Government contracts, together with identification of each affected contract; and
- (4) Provide reasons why the required work cannot be performed by using multishift operations or by employing additional personnel.

(End of Clause)

I.3 DRUG-FREE WORKPLACE (FAR 52.223-6) (JUL 1990)

(a) Definitions. As used in this clause, "Controlled Substances" means a controlled substance in schedules I through V of section 202 of the Controlled Substances Act (21 U.S.C. 812) and as further defined in regulation at 21 CFR 1308.11-1308.15.

"Conviction" means a finding of guilt (including a plea of nolo contendere) or imposition of sentence, or both, by any judicial body charged with the responsibility to determine violations of the Federal or State criminal drug statutes.

"Criminal drug statute" means a Federal or non-Federal criminal statute involving the manufacture, distribution, dispensing, possession or use of any controlled substance.

"Drug-free workplace" means the site(s) for the performance of work done by the Contractor in connection with a specific contract at which employees of the Contractor are prohibited from engaging in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance.

"Employee" means an employee of a Contractor directly engaged in the performance of work under a Government contract. "Directly engaged" is defined to include all direct cost employees and any other Contractor employee who has other than a minimal impact or involvement in contract performance.

"Individual" means an offeror/contractor that has no more than one employee including the offeror/contractor.

- (b) The Contractor, if other than an individual, shall--within 30 calendar days after award (unless a longer period is agreed to in writing for contracts of 30 calendar days or more performance duration); or as soon as possible for contracts of less than 30 calendar days performance duration--
- (1) Publish a statement notifying its employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition;
- (2) Establish an ongoing drug-free awareness program to inform such employees about-
 - The dangers of drug abuse in the workplace;
 - (ii) The contractor's policy of maintaining a drug-free workplace;
- (iii) Any available drug counseling, rehabilitation, and employee assistance programs; and
- (i) The penalties that may be imposed upon employees for drug abuse violation, occurring in the workplace.

- (3) Provide all employees engaged in performance of the contract with a copy of the statement required by subparagraph (b)(1) of this clause;
- (4) Notify such employees in writing in the statement required by subparagraph (b)(1) of this clause, that as a condition of continued employment on this contract, the employee will-
 - (i) Abide by the terms of the statement; and
- (ii) Notify the employer in writing of the employee's conviction under a criminal drug statute for a violation occurring in the workplace no later than 5 days after such conviction;
- (5) Notify the Contracting Officer in writing within 10 calendar days after receiving notice under subdivision (b)(4)(ii) of this clause, from an employee or otherwise receiving actual notice of such conviction. The notice shall include the position title of the employee;
- (6) Within 30 days after receiving notice under subparagraph (b)(4)(ii) of this clause of a conviction, take one of the following actions with respect to any employee who is convicted of a drug abuse violation occurring in the workplace:
- (i) Taking appropriate personnel action against such employee, up to and including termination; or
- (ii) Require such employee to satisfactorily participate in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency.
- (7) Make a good faith effort to maintain a drug-free workplace through implementation of subparagraphs (b)(1) through (b)(6) of this clause.
- (c) The Contractor, if an individual, agrees by award of the contract or acceptance of a purchase order, not to engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in the performance of this contract.
- (d) In addition to other remedies available to the Government, the Contractor's failure to comply with the requirements of paragraphs (5) or (c) of this clause may, pursuant to FAR 23.506, render the Contractor subject to suspension of contract payments, termination of the contract for default, and suspension or debarment.

(End of Clause)