

APPLICATION FOR LICENSE TO
EXPORT BYPRODUCT, SOURCE OR
SPECIAL NUCLEAR MATERIAL
SEE INSTRUCTIONS ON REVERSE

1. APPLICANT'S USE A. DATE OF APPLICATION 00251			2. NRC USE A. LICENSE NO. (10) Y 2000 11275 B. DOCKET NO. (04) 10000 211		
3. APPLICANT'S NAME & ADDRESS A. NAME B. STREET C. CITY STATE ZIP CODE D. TELEPHONE - AREA CODE - NUMBER - EXTENSION			4. SUPPLIER'S NAME AND ADDRESS RIS (11) RIS (12) <i>Complete if applicant not supplier of material</i> A. NAME B. STREET C. CITY STATE ZIP CODE		
5. FIRST SHIPMENT SCHEDULED	6. FINAL SHIPMENT SCHEDULED	7. APPLICANT'S CONTRACTUAL DELIVERY DATE	8. PROPOSED EXPIRATION DATE OF LICENSE	9. U.S. DEPT. OF ENERGY CONTRACT NUMBER <i>(if known) (06)</i>	
10. ULTIMATE CONSIGNEE A. NAME B. STREET C. CITY - STATE - COUNTRY RIS (23)			11. ULTIMATE END USE <i>(Include Plant or Facility Name)</i> RIS (24) 11a. EST. DATE OF FIRST USE 01		
12. INTERMEDIATE CONSIGNEE A. NAME B. STREET C. CITY - STATE - COUNTRY RIS (29-01)			13. INTERMEDIATE END USE RIS (30-01) 13a. EST. DATE OF FIRST USE		
14. INTERMEDIATE CONSIGNEE A. NAME B. STREET C. CITY - STATE - COUNTRY RIS (29-02)			15. INTERMEDIATE END USE RIS (30-02) 15a. EST. DATE OF FIRST USE		
16. FOR NRC USE 18 25 NO		17. MATERIAL TYPE AND DESCRIPTION <i>(Include chemical and physical form and gross wt.)</i> 103-comp.cube		19. MAX. ELEMENT WEIGHT (20) 19,858.8	20. MAX. U-235 ISOTOPE WT. (21) 487.3
22. COUNTRY OF ORIGIN - SOURCE MATERIAL		23. COUNTRY OF ORIGIN - SNM WHERE PRODUCED		24. COUNTRIES WHICH ATTACH SAFEGUARDS <i>(if known)</i>	
25. ADDITIONAL INFORMATION <i>(Use separate sheet if necessary)</i>					
26. THE APPLICANT CERTIFIES THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10 CODE OF FEDERAL REGULATIONS, AND THAT ALL INFORMATION IN THIS APPLICATION IS CORRECT TO THE BEST OF HIS KNOWLEDGE.				27. AUTHORIZED OFFICIAL A. SIGNATURE B. TITLE	

APPENDIX D

8006120361

दूरभाष :
TELEPHONE: 25 05 01
सार : "ATOMPOWER"
TELEGRAMS: DEIV BOMBAY.
U.S. NRC



छत्रपति शिवाजी महाराज मार्ग, बम्बई-४०० ०३९.
CHATRAPATI SHIVAJI MAHARAJ MARG,
B O M B A Y - 400 039.

1978 SEP 25 AM 11 07

EXPORT/IMPORT
AND
INTERNAT'L SFGDRS

भारत सरकार
GOVERNMENT OF INDIA
परमाणु विद्युत प्राधिकरण
ATOMIC POWER AUTHORITY

No.B/TAPS/10-E-XVI

September 11, 1978.

Director
Uranium Enrichment Operations Division
Department of Energy
P. O. Box E
Oak Ridge, TN 37830

Atten: Mr. H. Doran Fletcher

Dear Sir,

Subject: Authorisation for withdrawal of
enriched UF6 - Contract IN/IS/3.

1. With the receipt of 7.6 tonnes enriched uranium as UF6 in July 1978 we have so far received approximately 5050 kgs. contained U-235 against a total quantity of 14,500 kgs. contained U-235 in the enriched uranium to be supplied to us during the Agreement period (upto 1993). On receipt of material covered by our application No. XSNW-1222, the quantity received may go up to 5450 kgs. contained U-235.

2. We request authorisation for withdrawal of following quantities of enriched uranium as UF6 during 1979:

Nominal Enrichment %	Weight Kg U	Weight lbs UF6	Shipment Ex-U.S.A. by
2.66	6080	20,000	March 1979
2.66	6080	20,000	May 1979
1.6	1520	5,000	August 1979
2.1	6080	20,000	August 1979

3. It may be noted that the quantities and phasing of the above requirements are based on the schedule arrived at in consultation with Mr. Kiefer and Dr. Last, U.S. experts deputed to India by the US State Department in September 1976 for the purpose.

4. Kindly advise the Enrichment Facility from where the above quantities of enriched uranium will be made available.

5. Referring to the End Use Statement, I confirm that the transfer of material will be in accordance with the terms and conditions of the U.S./India Sale Contract IN/DS/3, as amended, pursuant to the Agreement for Co-operation between the Government of U.S.A. and India which entered into force on October 25, 1963, and the enriched UF6 will be used for making fuel assemblies required for the reload fuel requirements of Tarapur Atomic Power Station.

6. Edlow International Company will continue to act as our Transport Agents and Nuclear Audit & Testing Company will represent us for withdrawal and sampling as in the past.

7. As usual, Edlows, as Transport Agents, will be submitting the application for issue of the necessary export licence, etc. on our behalf in due course.

8. Our best estimates indicate that the total quantity of UF6 product required in the following years also will be of the same order, i.e. 18-20 tonnes U as UF6 of 2.71% maximum enrichment.

I take this opportunity to thank you and US DOE for co-operation.

Yours faithfully,

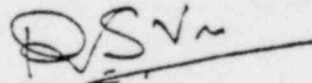
Sd/-

(R.S. Verma)
Commercial Manager

Ref: B/TAPS/10-E-XVI

September 11, 1978.

- Copy to:
1. ✓ Edlow International Company, Suite 404-5, 17th St. N.W. Washington DC 20036, USA (Atten: Mrs. Diane Harmon) - with a request to take immediate action for making the export licence application as usual.
 2. Nuclear Audit & Testing Company, 8206 Leesburg Pike, Vienna, Virginia 22180.
 3. Mr. William F. Courtney, Counsel General, Consulate-General of the U.S.A., Bhulabhai Desai Road, Bombay.
 4. Dr. M. Anandakrishnan, Counsellor (Science), Embassy of India, 2107 Massachusetts Avenue, N.W. Washington DC 20008, USA.



(R.S. Verma)
Commercial Manager

APPLICATION FOR LICENSE TO EXPORT NUCLEAR
MATERIAL AND EQUIPMENT (See Instructions on Reverse)

1. APPLICANT'S USE		a. DATE OF APPLICATION Aug. 17, 1979		b. APPLICANT'S REFERENCE INDC-3		2. NRC USE		c. LICENSE NO. 251401569		d. DOCKET NO. 17020787	
3. APPLICANT'S NAME AND ADDRESS a. NAME Bilow Int'l Co. as agent for Government of India b. STREET ADDRESS 1101 17th Street, N.W. #404 c. CITY Washington STATE DC ZIP CODE 20036						4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material) a. NAME Department of Energy b. STREET ADDRESS P.O. Box 8 c. CITY Oak Ridge STATE TN ZIP CODE 37830					
5. FIRST SHIPMENT SCHEDULED Feb. 1980		6. FINAL SHIPMENT SCHEDULED Sept. 1980		7. APPLICANT'S CONTRACTUAL DELIVERY DATE Feb. 1980		8. PROPOSED LICENSE EXPIRATION DATE Jan. 1981		9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known) IN/DC/3			
10. ULTIMATE CONSIGNEE a. NAME Tarapur Atomic Power Section b. STREET ADDRESS Dept. of Atomic Energy c. CITY - STATE - COUNTRY Bombay India						11. ULTIMATE END USE (Include plant or facility name) 01 11a. EST. DATE OF FIRST USE					
12. INTERMEDIATE CONSIGNEE a. NAME Dept. of Atomic Energy b. STREET ADDRESS Nuclear Fuel Complex c. CITY - STATE - COUNTRY Veda Ali, Hyderabad 10 India						13. INTERMEDIATE END USE 25 To make fuel assemblies required for the reload of the Tarapur Atomic Power Station. 13a. EST. DATE OF FIRST USE					
14. INTERMEDIATE CONSIGNEE a. NAME b. STREET ADDRESS c. CITY - STATE - COUNTRY						15. INTERMEDIATE END USE upon receipt 15a. EST. DATE OF FIRST USE					

19. NRC USE	17. DESCRIPTION (include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components)	18. MAX. ELEMENT WEIGHT	19. MAX. WT. %	20. MAX ISOTOPE WT.	21. UNIT
103	Uranium as uranium hexafluoride	19,858.8	2.71%	487.3	kg
APPENDIX D					

22. COUNTRY OF ORIGIN - SOURCE MATERIAL	23. COUNTRY OF ORIGIN - SNM WHERE ENRICHED OR PRODUCED	24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known)
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25. ADDITIONAL INFORMATION (Use separate sheet if necessary)
 Copy to PDR and ACC 8-31-79
 7909240777
 LP
 0000
 5000

26. The applicant certifies that this application is prepared in conformity with Title 10, Code of Federal Regulations; and that all information in this application is correct to the best of his/her knowledge.

27. AUTHORIZED OFFICIAL
 a. SIGNATURE
 b. TITLE
 Asst. to the VP

APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT (See Instructions on Reverse)

1. APPLICANT'S USE		a. DATE OF APPLICATION April 25, 1979		d. APPLICANT'S REFERENCE BDW-79108		2. NRC USE		e. LICENSE NO. XSNM 5240		b. DOCKET NO. 11575 623			
3. APPLICANT'S NAME AND ADDRESS RIS						4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material) RIS							
a. NAME General Electric Co., Attn: B. D. Wilson MC 838						a. NAME							
b. STREET ADDRESS 175 Curtner Avenue						b. STREET ADDRESS							
c. CITY San Jose			STATE CA		ZIP CODE 95125		b. STREET ADDRESS						
d. TELEPHONE NUMBER (Area Code - Number - Extension) 408-925-1380						c. CITY			STATE		ZIP CODE		
5. FIRST SHIPMENT SCHEDULED May 14, 1979		6. FINAL SHIPMENT SCHEDULED Jan. 31, 1980		7. APPLICANT'S CONTRACTUAL DELIVERY DATE May 21, 1979		8. PROPOSED LICENSE EXPIRATION DATE Jan. 1, 1981		9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known) N/A					
10. ULTIMATE CONSIGNEE RIS						11. ULTIMATE END USE (Include plant or facility name) Replacement in Tarapur reactor Units 1 and 2							
a. NAME Government of India						11a. EST. DATE OF FIRST USE							
b. STREET ADDRESS Department of Atomic Energy						13. INTERMEDIATE END USE							
c. CITY - STATE - COUNTRY Bombay 400 001 India						13a. EST. DATE OF FIRST USE							
12. INTERMEDIATE CONSIGNEE RIS						15. INTERMEDIATE END USE							
a. NAME						15a. EST. DATE OF FIRST USE							
b. STREET ADDRESS													
c. CITY - STATE - COUNTRY													
14. INTERMEDIATE CONSIGNEE RIS						15. INTERMEDIATE END USE							
a. NAME						15a. EST. DATE OF FIRST USE							
b. STREET ADDRESS													
c. CITY - STATE - COUNTRY													
16. NRC USE		17. DESCRIPTION (Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components)				18. MAX. ELEMENT WEIGHT		19. MAX. WT. %		20. MAX ISOTOPE WT.		21. UNIT	
		Replacement parts for use during period of operation covered by issued XSNM licenses. See attached list. Value approximately \$180,000.											
22. COUNTRY OF ORIGIN - SOURCE MATERIAL N/A						23. COUNTRY OF ORIGIN - SNM WHERE ENRICHED OR PRODUCED N/A		24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known) N/A					
25. ADDITIONAL INFORMATION (Use separate sheet if necessary)													
Copy to FDR 5/4/79						APPENDIX D							
26. The applicant certifies that this application is prepared in conformity with Title 10, Code of Federal Regulations, and that all information in this application is correct to the best of his/her knowledge.													
27. AUTHORIZED OFFICIAL		a. SIGNATURE [Signature]				b. TITLE Manager, Gov't Relations and Export Licensing							

April, 1979

GENERAL ELECTRIC ORDERS
FOR
TARAPUR REPLACEMENT PARTS

<u>Qty</u>	<u>Description</u>	<u>Approx Value</u>
6	Thermal Sleeve for control rod	12,450
20	Guide tube for TIP Detectors	2,300
2	Ion Chambers	17,500
12	Misc. parts for control rod drives	57,900
10	Recorder parts	1,950
various	Refueling platform control parts	2,750
various	Control rod drive mechanical parts	29,300
1	Index mechanism for TIP	9,250
2	IRM drive system mount & gear	7,250
2	Bearing assemblies for pump	38,500

APPLICATION FOR LICENSE TO EXPORT NUCLEAR
MATERIAL AND EQUIPMENT (See Instructions on Reverse)

1. APPLICANT'S USE		a. DATE OF APPLICATION May 7, 1979		b. APPLICANT'S REFERENCE BDW 79122		2. NRC USE		c. LICENSE NO. -2571250		d. DOCKET NO. 11000642			
3. APPLICANT'S NAME AND ADDRESS						4. SUPPLIER'S NAME AND ADDRESS							
a. NAME General Electric Co. Attn: B.D. Wilson M/C 838						RIS							
b. STREET ADDRESS 175 Curtner Avenue						a. NAME							
c. CITY San Jose				STATE Ca		ZIP CODE 95125		b. STREET ADDRESS					
d. TELEPHONE NUMBER (Area Code - Number - Extension) 408-925-1380						c. CITY				STATE		ZIP CODE	
5. FIRST SHIPMENT SCHEDULED		6. FINAL SHIPMENT SCHEDULED		7. APPLICANT'S CONTRACTUAL DELIVERY DATE		8. PROPOSED LICENSE EXPIRATION DATE		9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known)					
September 1, 1979		Same		September 24, 1979		September 1, 1980		N/A					
10. ULTIMATE CONSIGNEE						11. ULTIMATE END USE							
a. NAME Government of India						(Include plant or facility name) For use in Tarapur Units 1 and 2 Nuclear Power facilities							
b. STREET ADDRESS Department of Nuclear Energy						11a. EST. DATE OF FIRST USE							
c. CITY - STATE - COUNTRY Bombay 400 001 India						13. INTERMEDIATE END USE							
12. INTERMEDIATE CONSIGNEE						13a. EST. DATE OF FIRST USE							
a. NAME						15. INTERMEDIATE END USE							
b. STREET ADDRESS						15a. EST. DATE OF FIRST USE							
c. CITY - STATE - COUNTRY						18. MAX. ELEMENT WEIGHT							
14. INTERMEDIATE CONSIGNEE						19. MAX. WT. %							
a. NAME						20. MAX. ISOTOPE WT.							
b. STREET ADDRESS						21. UNIT							
c. CITY - STATE - COUNTRY						17. DESCRIPTION							
16. NRC USE		(Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components)				18. MAX. ELEMENT WEIGHT		19. MAX. WT. %		20. MAX. ISOTOPE WT.		21. UNIT	
		Six (6) Traversing Incore Probe detector assemblies. Value \$112,000.											
		*Copy to FDR and ACC. 5/14/79											
		APPENDIX D											
22. COUNTRY OF ORIGIN - SOURCE MATERIAL				23. COUNTRY OF ORIGIN - SNM WHERE ENRICHED OR PRODUCED				24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known)					
25. ADDITIONAL INFORMATION (Use separate sheet if necessary)													
Duke 7906150029 TP													
26. The applicant certifies that this application is prepared in conformity with Title 10, Code of Federal Regulations, and that all information in this application is correct to the best of his/her knowledge.													
27. AUTHORIZED OFFICIAL						a. SIGNATURE			b. TITLE				
						[Signature]			Manager - Government Relations and Export Licensing				

GENERAL ELECTRIC



RECEIVED
USNRC

79 OCT -5 P3:05

NUCLEAR POWER
SYSTEMS DIVISION

GENERAL ELECTRIC COMPANY, 175 CURTNER AVE., SAN JOSE, CALIFORNIA 95125

OFFICE OF
INTERNATIONAL
PROGRAMS

October 1, 1979

Mr. James R. Shea
Director
Office of International Programs
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUBJECT: Request for Expedited Processing - XCOM 250

Expedite!
*Forwarded to
States & E. O.
agencies
on 10/10/79*

Dear Mr. Shea:

On May 7, 1979 General Electric filed an application for the subject license. When issued, the license will authorize export of six (6) traversing incore probes - neutron detectors used to calibrate the power range monitors at the Tarapur Atomic Power Station (TAPS).

Recent inquiries on the status of this application indicate:

1. Executive branch views have not been completed and tend toward a final recommendation that only four of the six required detectors be approved for export;
2. Even after executive branch views are transmitted, the case will be referred to the Commissioners and will be taken up only at such time as they are prepared to consider all other pending applications for exports to TAPS.

As to the first point, TAPS has advised GE by wire dated September 27, 1979 that one of its installed detectors is inoperative and scheduled for replacement in October using the only currently available spare. Traversing probes operate under severe mechanical stress in a high temperature environment and are extremely vulnerable to damage. Two others are marginal and are to be replaced in December.

*Dye
8001140046
2PP*

Mr. J. R. Shea

- 2 -

October 1, 1979

Thus, if only four are supplied, the two then remaining spares will constitute the barest minimum number required for safe operation. If the license covers the six units TAPS has purchased, and GE has packaged and ready for transport, four spares - one for each installed unit - will be available after the December replacement.

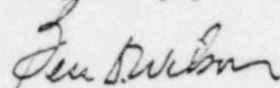
A single set of spare probes, in our view, could scarcely be characterized as excessive stockpiling; indeed, it is merely prudent operating practice.

The second point, further indefinite delay for Commissioner action, threatens to leave the Tarapur Station with no spare detectors after the October outage. As previously stated, the one spare unit will be used then. TAPS has repeatedly requested expedited shipment in recent months. They have approved premiums to cover the costs of transport by air. They know the probes are packaged and shipment awaits only the issuance of XCOM 250.

TAPS, without adequate spare instrumentation, clearly would not be in the interest of public health and safety. Nor would the continued withholding of XCOM 250 at this time contribute significantly to construction of stronger Tarapur safeguards.

Given these facts, we are confident you will now initiate all reasonably productive steps toward timely issuance of XCOM 250. Please keep us advised of progress toward that goal.

Very truly yours,


Ben D. Wilson, Manager
Governmental Relations &
Export Licensing

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cc: G.R. Helfrich
R.L. Williamson
V.H. Hudgins