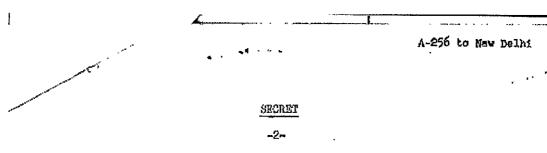
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1	AFC	ACID S	muclear weapons, a nuclear device could probably be ready for testing											
i	ا ئر	-6-147- *10010 a year rollowing such a decision. India necessary of the basis												
			facilities necessary to produce plutonium; its research and nuclear power programs are small-scale but well advanced; it has uranium metal, fuel element fabrication facilities, and a heavy water plant; and the capacity of the recently exceled plutonium separation plant (30 tons of fuel annually) apparently exceeds present requirements.											
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							İ			In the event of a decision to develop nuclear weapons, construction of a test site would probably be started well shead of the anticipated				
		ľ	India would presumably test underground. If so, construction of the test											
			site would require tunneling or extensive drilling operations. Nuclear scientists and engineers and possibly some military personnel would be											
			involved.											
		- 1	The Canada-India reactor is capable of producing enough plutonium											
			agreements with both Canada and the United States to employ the reactor											
									- 1	reactor after an average burnup of only 450-600 MMD/t, which is significantly lower than the 900 MMD/t burnup for which the reactor was designed. Mills this circumstance alone does not necessarily indicate that a decision				
		ͺ		mme driving magg 1100	GROUP I	icate that a decision								
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has been made to develop nuclear weapons, it hints strongly that suitable material is being produced to permit the rapid implementation of such a decision.

Electronic neutron generators and high-quality detonators—components likely to be used in the first Indian nuclear device—are readily available on the open market in Western Europe. The testing of high-explosive shapes, a necessary step toward the development of a nuclear weapon, would probably be carried out over a period of several months.

The Embassy is requested to report any of the following information on this subject which may become available:

- Signs of activity in remote areas which might portend the construction of a nuclear test site.
- 2. Indications that nuclear-associated research facilities are being established surreptitionally or that security is being tightened at existing facilities.
- 3. Evidence of continued operation of the Canada-India reactor at Trombay to produce relatively "clean" plutonium.
- it. Procurement or development by India of small electronic neutron generators and high-spality, electrically-initiated, high-applosive detonators.
- 5. Testing of highly instrumented high-explosive shapes or sections. Any reporting which may prove feacible in response to this requirement should cite SICR No. B-ST2-13788. Because of the high collection priority accorded this subject, even tenuous indications of nuclear weapons activity should be reported.

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