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Explained | What are the ambiguities in India's nuclear liability law?

What are the provisions of the Indian nuclear liability law? What does it say about supplier liability in the event of a nuclear accident? Why do some provisions in the law continue to make foreign companies wary of signing deals with India?

April 26, 2023 10:50 pm | Updated April 27, 2023 11:01 am IST

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The story so far: The issues regarding India's nuclear liability law continue to hold up the more than a decade-old plan to build six nuclear power reactors in Maharashtra's Jaitapur, the world's biggest nuclear power generation site under consideration at present. An official at the French energy company Electricite de France (EDF), which submitted its techno-commercial offer for the construction of the 9,900 MW project two years ago, told *The Hindu* that the issues arising out of the liability law "would have to be solved before any contract" could be signed with India.

What is the law governing nuclear liability in India?

Laws on civil nuclear liability ensure that compensation is available to the victims for nuclear damage caused by a nuclear incident or disaster and set out who will be liable for those damages. The international nuclear liability regime consists of multiple treaties and was strengthened after the 1986 Chernobyl nuclear accident. The umbrella Convention on Supplementary Compensation (CSC) was adopted in 1997 with the aim of establishing a minimum national compensation amount. The amount can further be increased through public funds, (to be made available by the contracting parties), should the national amount be insufficient to compensate the damage caused by a nuclear incident.

Even though India was a signatory to the CSC, Parliament ratified the convention only in 2016. To keep in line with the international convention, India enacted the Civil Liability for Nuclear Damage Act (CLNDA) in 2010, to put in place a speedy compensation mechanism for victims of a nuclear accident. The CLNDA provides for strict and no-fault liability on the operator of the nuclear plant, where it will be held liable for damage regardless of any fault on its part. It also specifies the amount the operator will have to shell out in case of damage caused by an accident at ₹1,500 crore and requires the operator to cover liability through insurance or other financial security. In case the damage claims exceed ₹1,500 crore, the CLNDA expects the government to step in and has limited the government liability amount to the rupee equivalent of 300 million Special Drawing Rights (SDRs) or about ₹2,100 to ₹2,300 crore. The Act also specifies the limitations on the amount and time when action for compensation can be brought against the operator.

India currently has 22 nuclear reactors with over a dozen more projects planned. All the



What does the CLNDA say on supplier liability?

The international legal framework on civil nuclear liability, including the annex of the CSC is based on the central principle of exclusive liability of the operator of a nuclear installation and no other person. In the initial stages of the nuclear industry's development, foreign governments and the industry agreed that excessive liability claims against suppliers of nuclear equipment would make their business unviable and hinder the growth of nuclear energy, and it became an accepted practice for national laws of countries to channel nuclear liability to the operators of the plant with only some exceptions. Two other points of rationale were also stated while accepting the exclusive operator liability principle — one was to avoid legal complications in establishing separate liability in each case and the second was to make just one entity in the chain, that is the operator to take out insurance, instead of having suppliers, construction contractors and so on take out their own insurance.

Section 10 of the annex of the CSC lays down “only” two conditions under which the national law of a country may provide the operator with the “right of recourse”, where they can extract liability from the supplier — one, if it is expressly agreed upon in the contract or two, if the nuclear incident “results from an act or omission done with intent to cause damage”.

However, India, going beyond these two conditions, for the first time introduced the concept of supplier liability over and above that of the operator's in its civil nuclear liability law, the CLNDA. The architects of the law recognised that defective parts were partly responsible for historical incidents such as the Bhopal gas tragedy in 1984 and added the clause on supplier liability. So, apart from the contractual right of recourse or when “intent to cause damage” is established, the CLNDA has a Section 17(b) which states that the operator of the nuclear plant, after paying their share of compensation for damage in accordance with the Act, shall have the right of recourse where the “nuclear incident has resulted as a consequence of an act of supplier or his employee, which includes supply of equipment or material with patent or latent defects or sub-standard services”.

Why is the supplier liability clause an issue in nuclear deals?



suppliers can be asked to pay damages. Concerns about potentially getting exposed to unlimited liability under the CLNDA and ambiguity over how much insurance to set aside in case of damage claims have been sticking points for suppliers.

Suppliers have taken issue with two specific provisions in the law, Section 17(b) and Section 46. The latter clause goes against the Act's central purpose of serving as a special mechanism enforcing the channelling of liability to the operator to ensure prompt compensation for victims. Section 46 provides that nothing would prevent proceedings other than those which can be brought under the Act, to be brought against the operator. This is not uncommon, as it allows criminal liability to be pursued where applicable. However, in the absence of a comprehensive definition on the types of 'nuclear damage' being notified by the Central Government, Section 46 potentially allows civil liability claims to be brought against the operator and suppliers through other civil laws such as the law of tort. While liability for operators is capped by the CLNDA, this exposes suppliers to unlimited amounts of liability.

What are existing projects in India?

The Jaitapur nuclear project has been stuck for more than a decade — the original MoU was signed in 2009 with EDF's predecessor Areva. In 2016, EDF and NPCIL signed a revised MoU, and in 2018, the heads of both signed an agreement on the "industrial way forward" in the presence of Indian Prime Minister Narendra Modi and French President Emmanuel Macron. In 2020, the EDF submitted its techno-commercial offer for the construction of six nuclear power reactors but an EDF official told that the issue arising from India's nuclear liability law remains an item on the "agenda for both countries". Multiple rounds of talks have not yet led to a convergence on the issue. Other nuclear projects, including the nuclear project proposed in Kovvada, Andhra Pradesh, have also been stalled. Despite signing civil nuclear deals with a number of countries, including the U.S., France and Japan, the only foreign presence in India is that of Russia in Kudankulam — which predates the nuclear liability law.

What is the government's stand?



However, legal experts have pointed out that a plain reading of Section 17 of the CLNDA suggests that Section 17(a), (b) and (c) are distinctive and separate, meaning even if the right to recourse against the supplier is not mentioned in the contract [as provided by Section 17 (a)], the other two clauses stand. This effectively means that the supplier can be sued if defective equipment provided or if it can be established that the damage resulted from an act of intent. Besides, it would not be sound public policy if the NPCIL, a government entity, entered into a contract with a supplier and waived its right to recourse in the contract, despite the fact that the law provides for such recourse.

Further, the Ministry of External Affairs had said that Parliament debates over the CLNDA had rejected amendments to include the supplier, and therefore the supplier cannot be liable under this kind of “class-action suit”. However, private sector players were not convinced and experts point out that during a trial, what would be considered is what is enshrined in the statute and not what was discussed in Parliament.

As for the Jaitapur project, the government has said that the issues regarding the liability law would be resolved before French President Emmanuel Macron’s visit to India, which was first scheduled for March but has been pushed to September.

The issues regarding India’s nuclear liability law continue to hold up the more than a decade-old plan to build six nuclear power reactors in Maharashtra’s Jaitapur, the world’s biggest nuclear power generation site under consideration at present.

Laws on civil nuclear liability ensure that compensation is available to the victims for nuclear damage caused by a nuclear incident or disaster and set out who will be liable for those damages.

The central government has maintained that the Indian law is in consonance with the CSC. About Section 17(b), it said that the provision “permits” but “does not require” an operator to include in the contract or exercise the right to recourse.

