

Strategic Young Researcher Overseas Visit Program for Accelerating Brain Circulation  
Dispatch Report

Year: 2013

Place of fieldwork: India (Delhi, Mumbai, and Chennai)

Name: Hiroaki Nakanishi

- **Research background**

In this Ph.D. study, the author examined changes to India's nuclear armaments and energy policies since 1998, focusing on multidimensional factors at both domestic and international levels.

- **Research purpose and aim**

The research analyzes the dynamics of transformation of nuclear armaments and energy policies from a multidimensional angle, including development and democracy in contemporary India. By doing this, this research aims to clarify what goals India is pursuing in its utilization of nuclear power.

- **Results and achievements in the fieldwork**

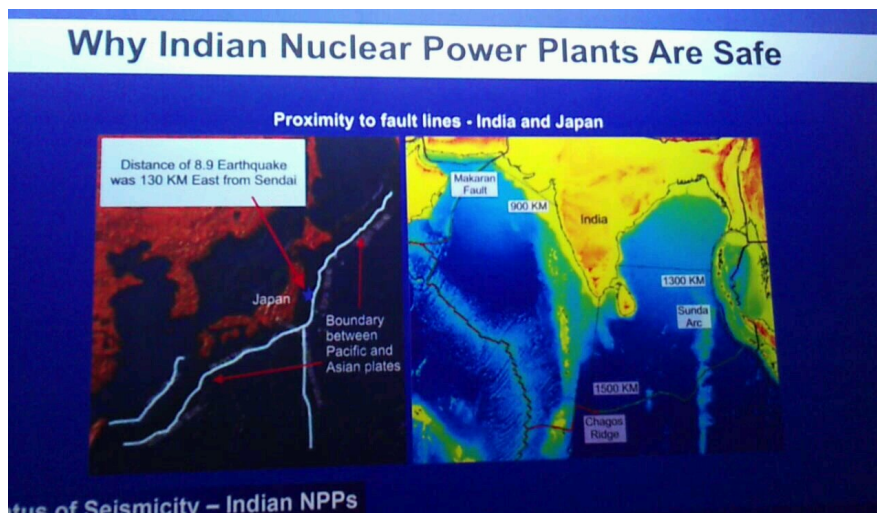
- 1) Convergence of debates on development and deployment of nuclear armaments

Debates concerning India's nuclear policy have gradually converged into a negative and passive attitude toward development and deployment. Even the Hawks apparently take a restrained posture. On the other hand, the minimalists or military servicemen are directly or indirectly supporting the development of nuclear arms at a quantitative level but not a qualitative way. Following the no-first use policy, they also emphasize it can prevent India from a nuclear attack by an adversary, and also provide assurance that there will not be an arms race. Remarkably, in an interview, an Indian military serviceman claimed that India may even accept a first strike under the non-first use policy.

- 2) Public opinion regarding peaceful use of atomic energy at the present

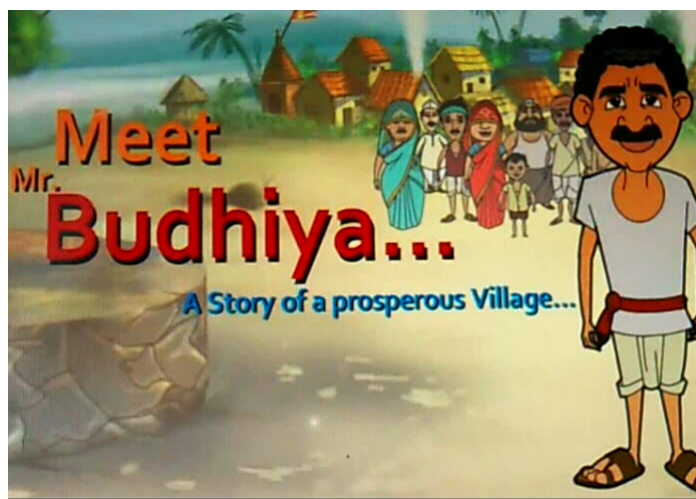
The Nehru Science Center, Mumbai, conducts programs to promote civic education regarding nuclear power. An exhibition, supported by the Nuclear Power Cooperation of India Limited (NPCIL), responding to the Fukushima accident, shows the differences in the geological conditions between Japan and India (e.g. fault lines) [see Picture 1, below]. It also provides a manga pamphlet explaining how a village can be transformed into a prosperous one by nuclear energy development to local citizens such as school kids [see Picture 2, below]. Some local schools teach their students about nuclear power by showing the exhibition [see picture 3, below].

[Picture 1]



Source: The author

[Picture 2]



Source: The author

[Picture 3]



Source: The author

- **Implications and impacts on future research**

Towards a sustainable humanosphere, the following two points should be considered:

- India's nuclear armament policy is apparently becoming more negative and passive than before;
- The Indian government is being aggressive in building internal and external acceptance of its development of high-tech nuclear technology, such as the enrichment and reprocessing of uranium and even thorium.

However, the study cannot immediately conclude that nuclear weapons are decreasing in importance. Nuclear energy and power is essential for achievement of India's development and a sustainable humanosphere. Therefore, it needs further elaborative and sensitive analysis.