



सत्यमेव जयते



LETTER OF INTENT
BETWEEN
MINISTRY OF EARTH SCIENCES (MoES) OF THE REPUBLIC OF INDIA
AND
JAPAN AGENCY FOR MARINE-EARTH SCIENCE AND TECHNOLOGY (JAMSTEC),
ON
MUTUAL COLLABORATION IN OCEAN AND EARTH SCIENCE AND TECHNOLOGY

1. Ministry of Earth Sciences of the Republic of India (hereinafter referred to as MoES), having on office at Prithivi Bhavan Lodhi Road, New Delhi – 110003, India and the Japan Agency for Marine-Earth Science and Technology (hereinafter referred to as JAMSTEC), having on office at 2-15 Natsushima-cho, Yokosuka 237-0061, Japan (hereinafter collectively referred to as “the Participants”) enter into this Letter of Intent (LOI) to encourage collaboration in the areas of mutual interest and benefit to both. Based on the principles of equality and reciprocity, this LOI serves as a general framework for cooperation between the Participants and is intended to facilitate discussions for more specific programs of collaboration. Any specific program of collaboration or sharing of confidential information will be subject to formal agreement. A key focus of this LOI will be to:

i. Encourage joint research activities in the areas of ocean and earth science and technology. The scope of the LOI includes:

- (1) Exchanging related information in the fields of mutual interest;
- (2) Implementing cooperative research project, enhancing technical capabilities on research survey, exploring ocean science phenomena;
- (3) Developing and using facilities and equipment to conduct research survey activities;
- (4) Any activities related to the cooperation project as mutually agreed upon by both Participants.

ii. Identify the areas of possible cooperation project. (TBD)

- (1) Geophysical study of the Andaman subduction zone;
- (2) Exploration of the largest geoid anomaly in the Indian Ocean;
- (3) Ocean observation for climate variability study in the Indian Ocean;
- (4) Joint research at the Rodrigues Triple Junction and Carlsberg Ridges;
- (5) Development of cable network systems of early detection of earthquake and Tsunami
- (6) Deep sea technological developments on submersibles and Gas hydrates including participation in manned submersible dives.
- (7) Acoustic imaging techniques for shallow and deep water and power system technology
- (8) Marine Bio Technology research on deep sea microbes and deep sea flora and fauna
- (9) Other project as mutually agreed upon by both Participants.

2. A designated person of each of the Participants will manage and facilitate implementation of this LOI in cooperation with other appropriate administrators of the respective Participants. The cooperative areas and activities will be further discussed in the science workshop based on the needs and interest of both Participants. The JAMSTEC designates the Executive Director. The MoES designates the Secretary of MoES.
3. The scope of activities under this LOI will be determined by funds regularly available from both Participants for the types of collaboration undertaken and by such other financial assistance as may be obtained by either institution from external sources.
4. Notwithstanding anything contained in this LOI, each Participant retains its autonomy to conduct research independently of this LOI.
5. Each Participant's rights, title and interest in its intellectual property and confidential information remains unaffected by the existence of this LOI.
6. This LOI shall come into effect from the date of its signature by each Participant, this LOI shall be in effect for a period of 5 (five) years or until otherwise terminated in writing by either Participant. An evaluation of this arrangement will take place 5 (five) years after the date of signing. Either Participant may terminate this LOI by giving the other Participant at least one month in advance, notice of intention to terminate. Termination will incur no liability on either Side, and will not affect any agreements or other legally-binding arrangements in place between the two Participants.

7. This LOI is not governed by international or domestic law and does not constitute, nor is it intended to be a legally binding arrangement or contract. It does not create any legally binding or enforceable obligations, express or implied. It serves only as a record of each Participant's separate intention pending execution of specific agreements governing the undertaking of activities as contemplated by this document.
8. Nothing in this LOI is to be treated as creating a partnership, agency, trust, joint venture or otherwise.
- 9: Any dispute, controversy or difference as to the interpretation of this LOI will be settled amicably by mutual consent between the Participants. If there is any conflict between the translated versions of this LOI, the Participants shall comply with the English language version.

Signed at New Delhi, India onAug. 19.....2014, and at Yokosuka, Japan onAug. 28..... 2014, in three originals, each in English, Hindi and Japanese languages, each version being equally authentic.

Dr. Shailesh Nayak

Dr. Shailesh Nayak, Secretary
For
MINISTRY OF EARTH SCIENCES (MoES)

DATE: Aug. 19 2014

PLACE: New Delhi

Dr. Asahiko Taira

Dr. Asahiko Taira, President,
For
JAPAN AGENCY FOR MARINE-EARTH
SCIENCE AND TECHNOLOGY (JAMSTEC)

DATE: Aug. 28 2014

PLACE: Yokosuka

