

**BID FOR “20<sup>th</sup> IEA WORLD CONGRESS 2018” IN INDIA**

**Submitted by**

**Indian Society of Ergonomics**

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## **1. PROPOSAL**

The Indian Society of Ergonomics (ISE), a Federated Society of IEA proposes to host the International Ergonomics Association World Congress 2018 (IEA 2018) in India. The proposed location for the Congress will be Mumbai. The proposed venue is Renaissance Mumbai Convention Centre Hotel. On behalf of the ISE the IEA 2018 World Congress will be jointly co-hosted by the National Institute of Industrial Engineering (NITIE), Mumbai and the Indian Institute of Technology (IIT) Bombay, Mumbai. Following are the standings of the ISE and the host organizations:

### **A. The Federated Society - Indian Society of Ergonomics (ISE)**

The Indian Society of Ergonomics was established in 1983 and is the only professional body representing ergonomics / human factors professionals in India. It is affiliated to the International Ergonomics Association (IEA) and nominates members to its committees. Presently Indian Society of Ergonomics has 370 paid life members. So far, six international conferences have been organized by the Indian Society of Ergonomics with full proceedings published. The Society publishes a quarterly newsletter. Members of the Indian Society of Ergonomics belong to a wide variety of fields, including physiology, psychology, home science, industrial design, product design, occupational health, industrial safety, and engineering, reflecting the amalgamation of multi-disciplinary nature of the society.

### **B. Host organizations**

#### **i) National Institute of Industrial Engineering, Mumbai**

The National Institute of Industrial Engineering (NITIE) was established in 1963 by the Government of India, Ministry of Human Resource Development (MHRD) with assistance of the United Nations Development Program (UNDP) through the International Labour Organisation (ILO). It endeavors to equip the managers, administrators and specialists in government, public utilities, industry and other service sectors with the necessary skill for efficient performance of their functions. Since its inception in 1963, NITIE has achieved significant milestones in the course of its progress. Sincere and dedicated pursuance of the objectives encrypted at the beginning, has led it to register itself as a pioneer educational institution and a peerless one in the field of Industry specific researches and teachings.

## **ii) Indian Institute of Technology Bombay, Mumbai**

Indian Institute of Technology Bombay, Mumbai, set up by an Act of Parliament, Government of India was established in 1958, at Powai, a northern suburb of Mumbai. Today the Institute is recognized as one of the best centers of academic excellence in the country. Over the years, there has been dynamic progress at IIT Bombay in all academic and research activities, and a parallel improvement in facilities and infrastructure, to keep it on par with the best institutions in the world. Institutes in positions of excellence grow with time. The ideas and ideals on which such institutes are built evolve and change with national aspirations, national perspectives, and trends world - wide. IIT Bombay, too, is one such institution.

**1.1 Degree of Risk:** The host society Indian Society of Ergonomics is a professional body of ergonomists / human factors professionals in India. Most of the life members are from various reputed academic and research organizations. A large number of members are from industries. Therefore, there is a perfect blend of industry and academia in the society. The members of the governing body hold senior administrative and scientific positions in their respective organizations. Also, various members of the society hold positions in different committees / associations internationally and nationally. Indian Society of Ergonomics organizes International Ergonomics Conference - 'Humanizing Work and Work Environment (HWWE)'. So far, six international conferences have been organized by the Indian Society of Ergonomics with full proceedings published. The next HWWE conference will be organized in December 2011 in the Indian Institute of Technology Chennai. A large number of International delegates including IEA Executive members attend the HWWE conference. The proposed host organizations IIT Mumbai and NITIE Mumbai also have conducted the HWWE conference in 2001 and 2004 respectively. Though the World Congress 2018 will be jointly co-hosted by NITIE Mumbai and IIT Mumbai but it will be the most desired event of the Indian Society of Ergonomics and professionals from various organizations / fields who will be actively involved to make the congress a grand success.

**1.2 Growth of congress:** Since there is an increase in the participation in the last two IEA World Congress, it is expected that the participation in the 2018 World Congress will be increased accordingly; therefore provision will be made to cope up with such growth.

**1.3 Participation:** No restriction will be made by the organizers (excepting any specific policy of the Govt. of India in 2018) on the attendance of delegates, members, participants or visitors to the Congress by reason of national or racial origin, political or religious beliefs, gender or age.

**1.4 Advantage to IEA:** IEA has Federated Societies in many Industrially Developing Countries. India being an Industrially Developing Country will get a chance to organize the World Congress. Various research works are carried out in the Industrially Developing Countries in small scale and craft sectors, agriculture, women workers, geriatric population, and other

occupations/sectors which will be brought forward and discussed in the World congress. This will help to establish collaborative researches between the East and West, North and south of the globe.

**1.5 Allocation of gain:** Preference will be accorded by the host societies who will offer a portion of excess fund to establish special IEA resource to be used for the research on ergonomics in agriculture, small scale industries, cottage industries, transportation, education, IT enabled services, manufacturing and craft sectors which are the few areas of interest in the Industrially Developing Countries. Developing a mechanism on supporting students exchange program across the globe will be a priority for ISE.

**1.6 Assistance to Participation:** Consideration will be given to sponsor the delegates and participants from the Developing Countries with special emphasis to the students. Consideration will also be given in accommodating the special needs of handicapped or elderly persons and women.

**1.7 Special events and tours:** Mumbai houses a large number of reputed institutes / organizations. Also, there are a many large scale industries / multinational companies in and around Mumbai. Special tours and technical visits for the participants will be arranged to the industries / organizations. Arrangements will be made by the host organization (NITIE and IIT) for the provision of transportation to and from all events authorized by the Congress. Such tours will be borne by the participants.

Mumbai is located in the shore of the Arabian Sea and is a favored destination for the international tourist. There are various places of tourist interest are present in Mumbai and also in the near vicinity of Mumbai. Tours and sightseeing facility will be arranged for the participants in and around Mumbai. Some of the examples are –

- **The Gateway of India:** The Gateway of India is a monument in Mumbai. Located on the waterfront in South Mumbai, the Gateway is a basalt arch 26 metres (85 feet) high. It was a crude jetty used by fisher folks and was later renovated and used as a landing place for British governors and other distinguished personages. In earlier times, the Gateway was the monument that visitors arriving by boat would have first seen in the city of Mumbai (previously Bombay). Its design is a combination of both Hindu and Muslim architectural styles, the arch is in Muslim style while the decorations are in Hindu style. The Gateway is built from yellow basalt and reinforced concrete.
- **Elephanta Caves:** The Elephanta Caves are a network of sculpted caves located on Elephanta Island, in Mumbai Harbour, 10 kilometres to the east of the city of Mumbai. The island, located on an arm of the Arabian Sea, consists of two groups of caves—the first is a large group of five Hindu caves, the second, a smaller group of two Buddhist caves. The Hindu caves contain rock cut stone sculptures, representing the Shaiva Hindu sect, dedicated to the god Shiva. The rock cut

architecture of the caves has been dated to between the 5th and 8th centuries. The caves are hewn from solid basalt rock.

- **Goa:** Renowned for its beaches, places of worship and world heritage architecture, Goa is visited by large numbers of international tourists each year, especially during December to March. It also has rich flora and fauna, owing to its location on the mountain range along the western side of India, is classified as a biodiversity hotspot.
- **Ajanta and Ellora Caves:** The Ajanta Caves are 29 rock-cut cave monuments which date from the 2nd century BCE. The caves include paintings and sculptures considered to be masterpieces of both Buddhist religious art as well as frescos which are reminiscent of the Sigiriya paintings in Sri Lanka. The caves were built in two phases starting around 200 BCE, with the second group of caves built around 600 CE. Since 1983, the Ajanta Caves have been a UNESCO World Heritage Site.

Well-known for its monumental caves, Ellora is a World Heritage Site. Ellora represents the epitome of Indian rock-cut architecture. The 34 "caves" – actually structures excavated out of the vertical face of the Charanandri hills – being Buddhist, Hindu and Jain rock-cut temples and monasteries, were built between the 5th century and 10th century. The 12 Buddhist (caves 1–12), 17 Hindu (caves 13–29) and 5 Jain (caves 30–34) caves, built in proximity, demonstrate the religious harmony prevalent during this period of Indian history.

- **Mahabaleshwar:** Mahabaleshwar is a popular holiday resort. The Venna lake is one of the major tourist attractions of Mahabaleshwar with boating facility. The lake is surrounded by trees on all sides. There are hills all around. Mahabaleshwar is also known for the honey and strawberries produced here.
- Apart from those few listed, above participants can also enjoy the vast tourist spots scattered all over India.

**1.8 Scope of Congress:** The congress will be international and intercontinental in nature. The theme speakers will be invited from various countries who are pioneers in their relevant areas of research.

**1.9 Length of Congress:** The world congress will be held over a period of 5 days including one day workshop in the beginning. The congress will be held in the month of February (preferably between 10 to 20<sup>th</sup> February), since the climatic condition in the month of February will be pleasant all over India and suitable for the International delegates.

**1.10 Attendance:** Since, there is increase in the numbers of the delegates through the last two congresses; the expected attendance will be approximately 2000, whereas planned attendance will be 2500.

**1.11 Financial Support:** The finance for the congress will be raised from the registration fees of the participants, product exhibits and also sponsorship from industries/organizations. A preliminary budget for the congress will be presented to the Council in IEA 2015 for approval.

**1.12 Location of the congress:** The location of the congress will be in Mumbai. Mumbai lies on the west coast of India located on the shore of the Arabian Sea. Mumbai is the economic and industrial capital of India, it is also one of the world's top 10 centers of commerce in terms of global financial flow, generating 5% of India's GDP, and accounting for 25% of industrial output, 70% of maritime trade in India and 70% of capital transactions to India's economy. Mumbai is home to important financial institutions such as the Reserve Bank of India, the Bombay Stock Exchange, the National Stock Exchange of India, the SEBI and the corporate headquarters of numerous Indian companies and multinational corporations. It houses some of India's premier scientific and nuclear institutes like BARC, IIT, NITIE, Mumbai University, SNDT Women University, TIFR, TISS etc. Mumbai is very well connected by air with the rest of the world. Also Mumbai is very well connected by rail and road with the rest of India.

**1.13 Congress Center:** The proposed congress center will be Renaissance Mumbai Convention Centre Hotel, which is about 25 - 30 min drive from the Mumbai National and International airport. The hotel is a 5-Star rated hotel which presently has a Ball room of 1500 capacity and 6-8 rooms for parallel scientific sessions with a capacity of 60 each. Beside this, the ball room can be split into smaller rooms with desired capacity. The hotel has a lawn adjacent to Powai lake that can accommodate a floating crowd of 3000. A presentation and the banquet layouts of the hotel have been attached. All the rooms are on the same floor. Also there are rooms with smaller capacities. Hotel Renaissance is very close to both the host organizations NITIE and IIT. Since the guest house and hostels of both the NITIE and IIT will be used to accommodate a major of the delegates, it will be easier for them to travel to the venue easily.

**1.14 Audio-visual facilities:** All kind of audiovisual facilities, like, computer-facilitated projection (latest version), projection of films and video recording equipment will be available.

**1.15 Signage:** Signage will be provided in English and local language to direct the delegates to all points of interest like, registration, information, tour assists, meeting rooms, press room, audio-visual room, photocopying room, wash rooms etc. Efforts will be made to use visuals/graphics in addition to the textual narrative.

**1.16 Translation:** Every effort will be made to appoint multi-lingual volunteers to communicate with the delegates in their own language during registration and other information. The Official language of the congress will be English. Facilities will be arranged to translate the

Plenary Session and the General Assembly in English if it is addressed in the language other than English.

**1.17 Accommodation:** Hotel Renaissance, the proposed venue of the congress has over 600 rooms which include single and double rooms of Superior Category, Deluxe Category and Executive Premiere. Also there are hotels ranging from Budget category to 5-Star rated in the near vicinity of the location. Blocks of the rooms will be reserved for the participants at a number of alternate hotels immediately after the approval of the council. Moreover, guest house and hostels of the host organizations NITIE and IIT can accommodate about 1200 participants. Where it is not possible to arrange for accommodations within reasonable walking from the Congress center, free transportation will be provided at frequent intervals during the day.

**1.18 Registration, Promotion and Publication:** Separate committees will be formed to look after registration, promotion and publication for the IEA 2018 World congress. Support of the IEA will be sought for promotion and advertising. Logo of the IEA will be displayed in all promotional material and publications. Announcement will be made in all related journals and advertising material distributed to the Federated Societies, ILO, WHO and other related organizations as well as at the related conferences within a year prior to the 2018 World Congress.

**1.19 Social Events:**

- i) A welcome reception for all delegates and accompanying persons will be extended on the first evening of the congress to facilitate the interpersonal relationship.
- ii) Cultural programme (one or two) with the flavor of Indian heritage will be conducted for the participants in the evening during the Congress.
- iii) A closing dinner for all the participants will also be organized by the organizers.

**1.20 Technical Programme:** The technical programme will be developed by a technical committee in close cooperation with the Science and Technology committee of IEA. The speakers at the plenary sessions will be selected with the advice of the Council, will be of an international standing or of other high reputation, and in total will represent the international scope of ergonomics and emerging interest. Themes and all the topics for the congress will be selected with the approval of the council.

**1.21 Provisions regarding IEA:**

- a) A meeting room will be provided in NITIE/IIT few days before the congress for the council meeting with all audio-visual facilities. The capacity of the meeting room will be 50 plus. Food and beverages will be provided to all the members attending the meeting. Secretarial support like, computer, printer and photocopying will be provided during the meeting.

- b) Additional meeting room will also be made available for the meeting of the IEA Executive Committee and sub-committees with all facilities as required.
- c) Suitable facilities will be provided to the President IEA for a period spanning the council meeting and the congress.
- d) The IEA president will be given space in the printed programme as well as be invited to give a 15-20 min address in the opening ceremony to welcome the delegates.
- e) The registration fee should, if possible, be waived for all IEA Executive Officers and Standing Committee Chairs. Defraying some of travel expenses of these individuals paying their own way to attend the congress will be considered.
- f) IEA Executive Officers and Standing Committee Chairs and Council members will be invited to chair technical sessions of the Congress.
- g) A table will be provided in the main exhibit hall or near the registration area exclusively for displaying IEA brochures, a slide show and other materials. Space should also be provided for the promotion of the next IEA congress.

All delegates to the Congress who are members of IEA Federated Societies will be entitled to a reduced registration fee.

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