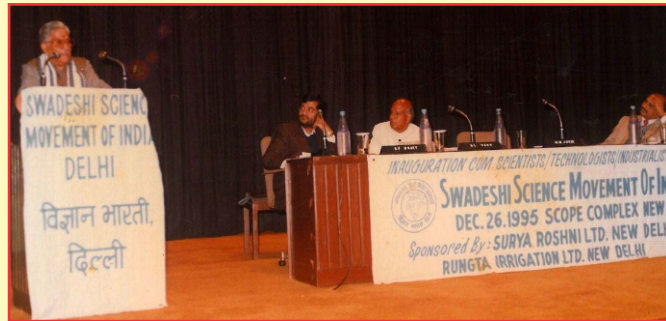


AIMS - Preamble

- To adopt and develop Bharatiya languages as media of Science, Engineering & Technology (SET) at all levels, especially in taking SET to the masses and to spread the splendid contributions of ancient SET, Bharatiya civilization, culture and art amongst students / youth for laying the foundation of modern sciences towards establishing that modern science is not all a western product.
- To undertake the challenge to connect a vast reservoir of innovations by the invisible informal sector viz. artisans, craftsmen, farmers and tribals to the visible established institutions through nurturing a culture of seamlessness in all facets of life and inputs of modern SET integrated with the traditional knowledge towards a major drive of an integrated outreach of targeted R & D for successfully replicating the technology as a sustainable & viable unit **towards Rural development using Make in India drive of the Govt.**
- Keeping in mind that the gap between the supply & demand in housing is bound to increase every year



due to population explosion, rapid industrialization and urbanization, migration of rural people to urban centres, breakup of joint families, general lack of housing standards throughout the country, etc., one could bring the gap within limits by improving existing villages, adopting appropriate and cost effective technologies in construction, optimum utilization of limited resources of land, finance & building materials, adopting modular co-ordination leading to standardization of building components & adopting prefabrication techniques in mass housing schemes providing better quality & safer buildings at a faster rate where the use of locally available materials, local employment generation, local people's participation, resource & energy conservations, environmental sustainability and **utilization of agricultural & industrial wastes like fly-ash, rice husk/straw,**

coconut husk, vegetable reinforced concrete, Bamboo Mat Board, Banana leaves & stalks, plastics, etc. as the reinforcing materials be considered for the meaningful prosperity of the targeted innovations.

- Mother earth as a raw building material satisfies all the criteria for a technology to be called appropriate to counter the seemingly unmanageable shelter problem in both rural and urban (slum) areas that is



severely limited by the shortage of supply of basic materials, mainly fired bricks, cement & steel and more so increased dependence on industrial materials & manpower, their rising cost being a major hurdle of the poor to adequate shelter which again hardly contribute to the local economy and are generally polluting in nature. At the same time, traditional earth buildings suffer from several limitations including water penetration, erosion of walls, attack by termites and pests, high maintenance requirements, etc. Use of compressed Earth Blocks though already developed in place of traditional raw earth (mud) bricks, has overcome the limitations by increasing block density & stability and possess the benefit of being manufactured locally with its contribution to the local economy as well due to the **local availability of the Raw material in abundance in rural areas that followed the use of Roofs made of prefabricated rafters (wooden), MCR tiles and Guna Vault Roof tiles, etc. by communities/tribals** (*Resource: DST Technology models for rural applications 2001*); the need of the hour still remains to augment the supply of affordable and energy-efficient building materials, which in turn calls for technological interventions to demonstrate it as an economically viable technology in the enterprise mode.

- With the National capital and its adjoining areas precariously placed in a seismically active zone & the tremors of the seismic shock elsewhere yet to die down and also there is no way that we can stop

quakes from striking anywhere in the world, what we can do, however, is to reduce the damage inflicted by seismic shocks **by constructing buildings and structures as per the Vastu & other quake resistance technological guidelines** wherein deliberations on the indigenous economically viable, durable and low-energy options type innovations is the need of the hour for the **development of suitable construction materials as an alternative to cement based construction.**

- Among the most serious problems in water resources is the degradation of ground water or water pollution which comes from industrial effluents, pesticides used in agriculture and waste disposal. Fearsome truth is that ground water pollution, once effected, is often irreversible which **requires** protection and



careful management of the water resource. The water crisis in our country is more due to water mismanagement than actual water scarcity. India has had a great tradition in harvesting water efficiently where outstanding examples of **successful management of water by communities need exposure and planning for rural housing definitely needs effective planning of water, energy and wastewater management with component of Integrated Water Resources Management in the region for accomplishing 'National Water Mission' and 'Namami Gange' type of noble endeavours of the Govt.** towards a Rural - Urban connect eg. low cost materials from say Bio-wastes could be used for water purification to meet the **drinking water necessity of the rural households.**

- SET should not have devil objective. SET shouldn't strive to commercialization against ethics/morals. SET shouldn't be above society. SET not contributing towards the welfare of people, should be considered useless.
- To cooperate, collaborate and coordinate with other societies or organizations pursuing allied aims.

AREAS TO BE COVERED

Innovative indigenous inter-disciplinary translational research & scientific efforts/Eco-friendly Technology

in the path of Traditional knowledge and Sustainable Consumption/Living/Development in the subjects such as Rural Areas, Rural households, Rural Urban Connections, Demographic Trends and Housing Needs, Access level of Housing Supply, Housing Conditions, House Construction Activities in Rural areas by Public Sector, Private Sector and PPP model, Environmental Impact of Rural housing, Rural housing Schemes running by Union and various State Governments, Sanitation, Drinking Water, Water harvesting, Energy (eg. Solar panels, Solar rooftop systems) and wastewater technology, Role of Cooperatives in Rural Development in present scenario, Materials & Technologies for Rural housing, Vastu & other quake resistance technological guidelines of disaster management and IPR Leveraging, the utilization/management of natural resources vis-à-vis New Economic Environment with a special focus on Rural Housing.

FEW SUCCESS STORIES OF THE SSM'D

- CSIR-Bharatiya Vaigyanik Evam Audhyogik Anusandhan Patrika: Vol. 12 (1), 2004, p. 1-180; Vol. 12(2), 2004, p. 181-348; Vol. 15(1), 2007, p. 1-108; Vol. 15 (2), 2007, p. 109-196; Vol. 18(1), 2010, p.1-108; Vol. 19(2), 2011, p. 105-222; Vol. 21 (1)2013, p. 1-96.
- A Special commemorative issue in the Journal of Environmental Nanotechnology Vol. 2, 2013; Vigyan Bharati Pradeepika (Joint Special Issue), Vol. 6 (1 & 2), 2000, p. 1-204 and a Book on Electroplating & Metal Finishing "Bilingual", 1997, Shipra Publications, Delhi, p. 1-309.
- National Conference on Innovations in Indian SET - 2006, 2009 & 2013, National Science Congress in Indian languages - 2010, 3rd Akhil Bharatiya Vigyan Sammelan - 2004, National Symposium on Ancient SET Interfaced with Modern Knowledge - 2001, National Conference on Swadeshi Vigyan - 2000 and Swadeshi Vigyan Mela - 2000.
- Bestowed with the International felicitation in the capital through Dr. A R Kidwai, His Excellency then Hon'ble Governor, Haryana during the 6th World Environment Congress 1999.
- SSM'D contributed in the area of societal obligations eg. a **Godly support** to the 2 families of 2 villages in the Guptakashi Dist. affected due to the Uttarakhand National Tragedy 2013.
- SSM (the parent organization grown up under the leadership of Prof. K I Vasu, Formerly Director, CSIR-CECRI) has developed a model village in Tamilnadu by establishing small & microenterprises in Kundrakkudi and adjoining villages in the Block Panchayat level through a voluntary S&T service modus-operandi.

PURASKARS

Continuing with our tradition to organize a public function on this occasion, different awards will be bestowed for the ninth time eg. **Swadeshi Vigyan Puraskar** will be given to those Nationalistic persons/institutions who have contributed

significantly in SET, Social and Skill Education of the nation. **Arya Bhatt Puraskar** will be given to the selected Science writers/Journalists who have had the distinction of reaching out to the common man through their scientific skill at the popular level. The selection committee will also decide "on the spot" for the **Arya Bhatt Samman** to be bestowed to those 5 innovators/tribals/artisans/ craftsmen/farmers who present the best paper/product demo. in the conference. Biography of the deserving persons is therefore invited for this purpose. Director-Generals/Directors/Vice-chancellors/Principals/ Managing Directors of research, educational & industrial organizations and the Parliamentarians can also nominate for the Puraskar. Decision of the organisers will be final in the selection.

SPONSORSHIPS AND PARTICIPATION

Sponsorship fee: ₹ 95,000/- (Min.) (includes free pass for 4 delegates, publication of free Advertisement in the Souvenir/Book or provision of 9 sq. m. space for exhibiting their products and projection of the sponsor's background through Banners during the Conference).

Lunch/Dinner sponsorship fee: ₹ 75,000/- (Min.) (includes free pass for 2 delegates and projection of the sponsor's background through Banners during the Conference).

High Tea sponsorship fee: ₹ 25,000/-

Advertisement Tariff for the Bilingual Souvenir, to be released at the time of the Conference:

Back page 4 (Multi colour): ₹ 25000/-; Inside page 2-front (Multi colour): ₹ 17000/-; Inside page 3-back (Multi colour): ₹ 14000/-; Inside Full page (B & W): ₹ 10000/-; Inside Half page (B&W): ₹ 5000/-; Inside Quarter page (B&W): ₹ 3000/-

Display and Demonstrations of Products & Technologies: Stall Size of 9 sq. m. is available at the nominal cost of ₹ 25000/-; ₹ 2600/- per sq. m. stall (Rate for the additional space). Different Scientific, Industrial/Educational institutions and NGO'S are invited to participate with their models. Grassroot innovators, Artisans, Craftsmen, Farmers will be given special rebate, on request (**Organiser: Sh. Anil Kumar, Chief Scientist, CSIR-NPL, Mob: 9818244100**).

Registration fee : ₹ 4000/- (Institutional)
for delegates : ₹ 1800/- (Individual)
*Post Docs are not included under : ₹ 4500/- (Group of three)
student category : ₹ 600/- (*Student/SSM member/Observers)
: ₹ 500/- (Accompanying person)

Life Membership subscription : ₹ 2500/-
of SSM'D (Optional) [Contact : **Dr. J.C. Sharma,**
Vice-President &
Dr. Sanjay Yadav, NPL

jcs281052@gmail.com, swadeshivigyan@gmail.com,
bhikham@nplindia.org

(For new members, registration fee will be waived)

Number of invited discourses (30 minutes each) plus oral (12 minutes each) and poster (space allotted: 1.2 m x 1 m) presentations are proposed. Registration of the delegates

has been planned on first come first served basis. Registration fee includes the provision for the delegate to receive the publication & complimentary materials of the conference, Food, Local transport arrangement, etc. All kinds of payments must be made as DD/Local cheque in favour of **Swadeshi Science Movement of India, Delhi**. Alternatively, on line payment in the S/B account may also be possible on request. It is proposed to publish the full Hindi papers in the CSIR-Bharatiya Vaigyanik Evam Audhyogik Anusandhan Patrika. Lively Cultural Evening is also to be scheduled.

PATRONS

Dr. D. K. Aswal
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Dabur (I) Ltd.	
Corporate Life Members, SSM'D	

Volunteers/Reception counters at the Delhi, Nizamuddin Railway Stations and IGI Airport will be available for information, guidance, transport facilities, etc.

A public function dealing with the popularization of Swadeshi products, Traditional Knowledge, Vedic science and related ones governing National pride & progress and the GBM of the Society will be held at 5 p.m. on March 5, 2017 for which the presence of all the Members is highly solicited (Agenda will be announced well in advance as per the Bye-law).

SPECIAL DATES OF SUBMISSION

(State-of-the-art research work and working models)

Two copies of abstracts Bilingual (250 words)	Oct. 19, 2016
Two copies of full papers (max. 5000 words) along with CD, after the acceptance of abstracts from the organisers	Jan. 20, 2017
Registration and other payments	Dec. 31, 2016

NATIONAL COORDINATOR, NCISSET 2017

Dr. Devendra Prakash Bhatt
Secretariat, NCISSET - 2017
Head, IPR Management Group
CSIR-National Physical Laboratory
Dr. K.S. Krishnan Marg, New Delhi - 110012
Gen. Secretary, Swadeshi Science Movement of India, Delhi

Mob. : 8510974923 (NCISSET), 9911900671 (D)
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E-mail : swadeshivigyan@gmail.com
vigyanbharati2@rediffmail.com
dpbhatt@nplindia.org
web. : www.swadeshisciences.org
(visit for details of NCISSET, etc.)

कृपया संलग्न पंजीकरण प्रपत्र को भरकर वापस भेजें।

स्वच्छता भगवान का दूसरा रूप है
-महात्मा गाँधी

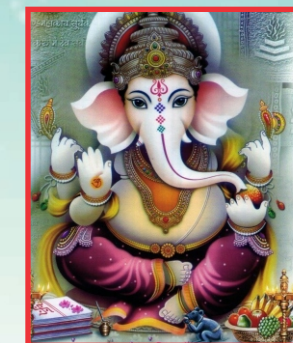


प्रथम परिपत्र

भारतीय विज्ञान, अभियांत्रिकी एवं प्रौद्योगिकी में अन्वेषणों पर चतुर्थ राष्ट्रीय संगोष्ठी

फोकस: ग्रामीण आवास

फाल्गुन शुक्लपक्ष, गते 13 एवं 14, विक्रमी संवत् 2073



4th National Conference on Innovations in Indian Science Engineering & Technology

(Bilingual: Hindi & English)

FOCUS: RURAL HOUSING

March 4-5, 2017

Venue :

**CSIR-National Physical Laboratory
New Delhi**

Organisers:



Swadeshi Science Movement of India, Delhi
www.swadeshisciences.org



CSIR-National Physical Laboratory (India)
www.nplindia.org

भारतीय विज्ञान, अभियांत्रिकी एवं प्रौद्योगिकी
में अन्वेषणों पर चतुर्थ राष्ट्रीय संगोष्ठी

प्रस्तुति माध्यम: हिन्दी/अंग्रेजी

फोकस: ग्रामीण आवास

स्थान एवं दिनांक:
राष्ट्रीय भौतिक प्रयोगशाला, नई दिल्ली
मार्च 4-5, 2017

पंजीकरण प्रपत्र
(अतिरिक्त पंजीकरण के लिए इसकी फोटो कॉपी कर सकते हैं)

नाम:

ई-मेल, फैक्स व दूरभाष विवरण सहित पत्राचार का पता:

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शोध पत्र का शीर्षक एवं लेखक:

.....

द्विभाषीय (हिन्दी व अंग्रेजी) शोध पत्र सारांश (250 शब्द) की 2

प्रतियां भेज रहा/रही हूँ: हाँ/नहीं

छपने के लिए विज्ञापन प्रारूप ड्राफ्ट सहित संलग्न है: हाँ/नहीं

प्रदर्शनी हेतु वर्गमीटर स्टाल की बुकिंग कर रहे हैं:

हाँ/नहीं

आगमन तिथि, समय व अन्य यात्रा विवरण:

15 जनवरी, 2017 तक प्रेषित होगी। हाँ/नहीं

अन्तिम तिथि: दिसंबर 31, 2016

हस्ताक्षर

सम्मेलन स्थल के नजदीक उपलब्ध अतिथि गृह व छात्रावासों में उन प्रतिनिधियों का आवास प्राथमिकता के आधार पर बुक कर दिया जायेगा जो जितना जल्दी पंजीकरण कर लेंगे। देरी से पंजीकरण करने पर अन्यत्र होटलों में आवास प्रबन्ध किया जायेगा।

इस प्रपत्र को भरकर वापस भेजने की स्थिति में ही आपको दूसरा परिपत्र /अन्य जानकारी बाद में उपलब्ध होगी। अन्तिम तिथि से 1 माह पूर्व पंजीकरण करने का प्रयास करें। **आग्रह है कि कृपया सम्मेलन के विषयों पर रुचि रखने वाले अन्य व्यक्तियों के पते आयोजकों को प्रेषित करें व संस्था की कार्यकारी अग्रिम पंक्ति में जुड़ें।**

**4th National Conference on Innovations
in Indian Science, Engineering & Technology**
(Bilingual: Hindi & English)

FOCUS: RURAL HOUSING

Venue and Date:

CSIR-National Physical Laboratory
New Delhi

March 4-5, 2017

Organisers:

• **Swadeshi Science Movement of India, Delhi**

• **CSIR-National Physical Laboratory
New Delhi (India)**

Registration Form

(more copies can be made on photo copier)

Name:

Address with E-mail/Fax/Phone:

.....

Title of the paper and authors:

.....

Abstract of the paper submitted in Hindi & English
in duplicate (250 words) for Bilingual Souvenir: **Yes/No**

(Soft copy of the abstract using MS word (preferable **Kruti Dev**
or **Narad** fonts for Hindi Typing) could also be sent)

Advertisement matter is enclosed for publication
alongwith the draft: **Yes/No**

Accommodation required: **Yes/No**

Stall size of sq. m. is booked for display & demo: **Yes/No**
DD/Local Cheque No.

Last date of submission: **31 Dec. 2016**

Date

Signature

MAILING ADDRESS

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(Broucher is also available here)