



Contest for the 'Development of Innovative Prototypes for Disaster Preparedness and Response'

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BACKGROUND

The technology that is transforming our lives in the present is the result of several experiments carried out in the past. Even in the area of disaster preparedness and response, several innovations are effectively helping in mitigating the risk of one or the other hazard. For example, a simple invention like smoke detector is immensely helpful in preventing and mitigating fire hazard. Considering the need to promote innovation in the area of disaster management, the Himachal Pradesh State Disaster Management Authority (HPSDMA) is going to organize a 'Contest for the Development of Innovative Prototypes for Disaster Preparedness and Response'.

The prototypes could be in the form of either hardware, software or models which can demonstrate the solution to mitigate the risk of one or more of the following hazards-

- *Earthquake, Landslide, Domestic Fire, Forest Fire, Flood, Road Accidents or Avalanche.*

Prototypes should aim at enhancing the safety of people and/or property, emergency preparedness, early detection of hazard, early warning, effectiveness of disaster response, etc.

Proposals to develop prototypes will be judged on the following parameters:

- Effectiveness (Ability to demonstrate its success as a solution to a major problem)
- Energy-efficiency (Requires less fuel and preferably works on renewable energy)
- Affordability (Can be developed with optimum funds and resources)
- Reliability (Can be used all weather conditions, has redundant features)
- Replicability (Can be customized and scaled up for different contexts and places)

HOW TO PARTICIPATE IN THE CONTEST?

Participating institutions/individuals should submit their proposals as email attachment (in MS Word or PDF format) at- sdma-hp@nic.in by **20 September, 2018 (5 PM)** clearly stating '**Proposal- Samarth 2018 Innovative Prototype Contest**' in the subject line. Proposals should be typed either in Hindi or English language and should not contain less than 2 and more than 5 pages. Proposals must contain the following details:

- Title of the Prototype
- Description of the Prototype (hazards to be addressed, benefits and limitations, technical information like design, working mechanism, etc. and illustrations, if any.)
- Total number of days and estimated budget needed for developing the prototype
- Name, Address, Mobile Number and Email Addresses of the Team Members

- Name and Signature of the Team Leader

WHO CAN PARTICIPATE IN THE CONTEST?

Academic & Research Institutions (IITs, Polytechnics, Schools, Colleges & Universities), Non-Governmental Organizations, Community Based Organizations or team of individuals (Residents of Himachal Pradesh Only). Each institution or team can submit a maximum of 3 proposals.

IMPORTANT DATES

- Last Date for the Submission of the Proposals: 20 September, 2018
- Announcement of the Shortlisted Proposals: 22 September, 2018
- Submission of short videos demonstrating the Prototypes: 4 October, 2018
- Announcement of Contest Winners: 8 October, 2018
- Exhibition of the Selected Prototypes: 12 & 13 October, 2018 (*Samarth 2018) at Shimla

FINANCIAL SUPPORT FOR PROTOTYPE DEVELOPMENT

Once the proposals are shortlisted, the concerned teams will be asked to develop and submit the videos demonstrating their prototypes latest by **4 October, 2018**. To support the prototype development, HPSDMA may provide financial support to the deserving teams based on their request. **Please note that the support will be in form of a mini-grant which is subjected to the quality and potential of the shortlisted proposals.** The Selection Committee will have the authority to review, approve, recommend or decline the request for mini-grant.

AWARDS AND RECOGNITION

- Top three prototypes will be felicitated on 13 October, 2018 during the Concluding Ceremony of Samarth 2018 at Shimla. Certificate of Participation will be awarded to every participating team.
- Two members from each winning team will be provided a Return Bus Ticket to & from Shimla and shared accommodation from 11 to 13 October, 2018.
- All shortlisted prototypes will be invited to showcase their prototypes in an Exhibition on 12 and 13 October, 2018 at Shimla.

NOTE: The winners who will be interested in developing their prototypes as a start-up idea will be provided all the necessary help and support for incubation at the accredited institution through the Department of Industries.

QUERY/HELP

In case of any further query regarding the contest, please contact Mr. Vivek Sharma, DM Specialist, HPSDMA at- 8851063017 or 8629880160. Alternatively, you can email us at: sdma-hp@nic.in stating '**Query- Samarth 2018 Innovative Prototype Contest**' in the subject line.