

**NEW AND RENEWABLE ENERGY
YOUNG SCIENTIST AWARDS**

Guidelines & Proforma

**MINISTRY OF NEW AND RENEWABLE ENERGY
R & D COORDINATION GROUP
GOVERNMENT OF INDIA
BLOCK, 14, C G O COMPLEX, LODI ROAD
NEW DELHI-110003**

2015

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**Last date for receipt of nominations for “New and Renewable Energy
Young Scientist Awards”: 30th December, 2015.**

Guidelines for “New and Renewable Energy Young Scientist Awards”

1. Introduction

1.1 The MNRE supports Research, Development and Demonstration (RD&D) to develop new and renewable energy technologies, processes, materials, components, sub-systems, products & services, standards and resource assessment so as to indigenously manufacture renewable energy devices and systems. The underlying purpose of RD&D efforts is to make industry competitive and renewable energy generation supply self-sustainable/profitable and thereby contribute to increase share in total energy mix in the country. A comprehensive policy on Research, Design, Development and Demonstration (RD&D) is in place to support RD&D in new and renewable energy sector, including associating and supporting RD&D earned out by industry for market development. R&D projects are supported to various R&D institutions, industries, expert NGOs, etc.

1.2 The focus of RD&D efforts is technology development leading to commercialization. Centres of Excellences have also been funded to carry out advanced research for faster development of technologies. In order to promote excellence in various areas of new and renewable energy technologies, the Ministry of New and Renewable Energy has introduced a scheme of “**New and Renewable Energy Young Scientist Awards**”.

2. Nature

2.1 The awards will be given annually, one on each area of the new and renewable energy, as follows:

(i) Solar thermal, (ii) solar photovoltaic, (iii) Wind energy, (iv) (biogas), (v) biofuels, (vi) biomass gasification, (vii) RE-Hybrid technology, (viii) Hydrogen, (ix) Fuel Cells, and (x) Geothermal, etc.

2.2 The award will consist of a citation, a cash prize of Rs.5,00,000/- (Rs. Five Lakh) and a plaque.

2.3 However, if adequate number of nominations, including self-nominations, is not there, or if no one is found suitable by the committee, no award will be given during that year or in that area.

3. Purpose of Awards

The objective of the scheme is to encourage young scientists to make outstanding achievements in research and development for technology development in new and renewable energy. The contributions should be in form of outstanding research publications in the field followed by patents development and also for their efforts of translating their innovation into prototype development for commercialization.

4. Eligibility

(i) The awards will be provided to any Scientists working in any R&D and academic institutions/industry, scientific departments, who have done innovation in the field of new and renewable energy, and who are not more than 40 years of age as on the independence day of the year of application.

- (ii) The evidence of the contributions towards renewable energy can be in the form of publications, patents or products. Such a scientist must have published at least ten research papers in his area of work in International Journals with high impact factor supported by number of citations. Due consideration will be given to any relevant products invented in actual use. Coverage in the media, journals, etc. could form supporting materials. Applications from Nobel Laureates and other scientists in the field of science will also strengthen the candidature.
- (iii) The work should have been done in India.
- (iv) The candidate should be Indian nationals.

5. Nomination

- (i) Nominations for the award will be invited by MNRE through its website and national/regional dailies.
- (ii) Head of the institutions/industries/Bhatnagar Awardees can propose nominations. Further, self-nomination is also permitted.
- (iii) Information regarding the nomination should be sent by the candidate as per the prescribed proforma on or before the closing date (as notified every year). The prescribed proforma for Young Scientist Awards is given at Annexure A.
- (iv) Emails will be sent to all educational institutions via MHRD/UGC, etc

6. Screening of Nominations

- (i) An Advisory Committee of seven members under the chairmanship of an eminent scientist and comprising eminent experts in relevant areas, including at least one CSIR Bhatnagar Awardee will be constituted for screening and for making selection for the awards.
- (ii) Selected nominees will be required to make a brief presentation about his/her research work/contribution before the Advisory Committee.

7. Presentation

The awards will be presented to the recipients on the occasion of Annual R&D Conclave on New and Renewable Energy organised by MNRE. At the ceremony, citations highlighting the work of the recipients will be read out.

8. Research Project

After the selections, Awardees will be encouraged to submit research projects in the prescribed format for the pursuit of research in his/her area of work for demonstration of technology (ies). The proposal should indicate clear cut objectives, deliverables, requirement of grant for equipment and other expenses.

Ministry of New and Renewable Energy
(R & D Coordination Group)

MNRE's "New and Renewable Energy Young Scientist Awards"

Nomination Proforma For the Year 2015

1 Full name of the nominee:

2. (a) Date and place of birth :

(b) Nationality:

(c) Gender: Male/Female

Nominee
Photograph

(d) Age as on 15th August of the year of application: _Year(s)_Month(s)_Day(s)

3. Address with telephone/fax/email/ Mobile number:

a) Official address (to include present designation, department and name of institutes/organization with contact details such as telephone number and email address:

b) Residential address:

4. Subject area of the research activity under which to be considered (**only one** to be marked/ encircled):

(i) Solar thermal, (ii) solar photovoltaic, (iii) Wind energy, (iv) (biogas), (v) biofuels, (vi) biomass gasification, (vii) RE-Hybrid technology, (viii) Hydrogen, (ix) Fuel Cells, and (x) Geothermal, etc.

5. Nominee's field of specialization (broad area):

6. Academic qualifications (Bachelor's Degree onwards):

(a) (in a tabular form with complete details including subject(s), name of institutions, marks obtained and year of passing)

(b) Title of Ph.D. thesis and name of the guide who supervised the Ph.D. work:

7. Date of joining the Institute/organization on regular scientific post:
(Designation & Scale)

8. Positions held earlier (in chronological order in tabular form)

9. Details of Fellowship/ Associate ship held, if any or from other sources/ agencies:

10. Details of R&D projects in new and renewable energy implemented:

11. Names and complete addresses of five (5) Distinguished Indian Scientists in the area (as possible referees):

Referee Name	Complete Address (with designation & department)	Specialization	Email-id

12. (a) Significant contributions to research in new and renewable energy by the nominee during the last ten years of his research career (in about 500 words):

(b) Summarize the most significant work of the nominee in terms of patents developed and translating patent into prototype development followed by performance evaluation and analysis for commercial potential on which the recommendation is based (in 500 words):

(c) Impact of the contributions in the field concerned in terms of technology development for commercialization.

(d) Places where work has been referred/ cited in Books, Reviews, like Annual Reviews etc. Please give Citation of the contribution as follows:

i	Paper	Name of the author who has cited	Year of his/her publication	Name of journal	Volume	Page No.
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ii	Book	Name of the author who has cited	Year	Publisher		Page No.
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12. Have the achievements already been recognized by Award(s) by any learned body? If so, the name of the body, award and the year of award may be given. A copy of the citation should be enclosed.

13. (a) Has the nominee delivered any invited lecture in India/ abroad? : (give details in a tabular, please mention date, month and year, institute and country visited and the purpose of visit)

(b) Total time spent abroad during last five years: ___ Year(s) __ Month(s)___ Day(s)

14. (a)* List of nominee's 10 most significant publications: (One set of reprints to be enclosed with proforma as annexure 14(a). softcopy of reprints in PDF are also required)

(b)* List of nominee's 5 most significant publications during the last 5 years: (Reprints of **two** most significant publications to be enclosed with proforma as annexure 14(b). softcopy of reprints in PDF are also required)

- (c)* Complete list of publications in standard refereed journals (Enclose as annexure 14(c)) :
Attach as annexure 14(c)
- (d) List of patents with complete details, and details of the prototypes developed :
- (e) List of papers published in Proceedings of Conferences/ Symposia/ Seminars, etc. (Enclose as annexure 14(e)):
- (f)* List of the most outstanding Technical Reports/Review Articles (Enclose as annexure 14(f)):

15. Details of Books published, if any:

16. Any additional information of relevance:

Certified that information given in the above proforma is correct.

Place

Sponsor's Signature

Date

Sponsor's name

Designation and complete address with email address

Or

Self-Nomination

* Listing of publications should be done with names of all authors as they appear in each paper, title of the paper, name of the Journal, Volume, year and page.

Note:

The prescribed proforma (Original + one copy) should be neatly typewritten giving complete information about the nominee should be sent to

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- Please strictly follow prescribed format for filling up nomination proforma. Incomplete nomination proforma will not be considered.
- A CD/DVD/USB flash drive is also required containing digital photograph (in JPEG format), duly filled proforma and significant publications (*in PDF format*) of the nominee.
- Please do not attach any testimonial.
- Enclose attested copy of certificate of age