

# **NATIONAL GEOSCIENCE AWARDS 2010**



**REGULATIONS & NOMINATION FORM**

**GOVERNMENT OF INDIA  
MINISTRY OF MINES  
NEW DELHI**

# REGULATIONS GOVERNING NATIONAL GEOSCIENCE AWARDS

## 1. PREAMBLE

1.1 The National Mineral Awards Scheme was instituted in the year 1966 by the Ministry of Mines, Government of India. The scope of the awards scheme has been expanded and changed to National Geoscience Award (NGA) from the year 2009 onwards. The objective of the scheme is to honour individuals and teams of scientists for their extraordinary achievements and outstanding contributions in the field of fundamental / applied geosciences, mining and allied areas to provide incentive for striving toward excellence. Any citizen of India who is a professionally qualified geo-scientist / engineer / technologist / academician with significant contribution in any field of earth sciences is eligible.

The National Geoscience Award and National Geoscience Award of Excellence carry an award money Rs.2,00,000/- and Rs 5,00,000/-. The award money for Young Researcher Award is Rs. 50,000/-.

1.2 Nominations for National Geoscience Award for Excellence, National Geoscience Awards in four sections and sixteen fields and Young Researcher Award are invited. The Awards shall be given each year.

1.3 The awards shall be conferred on persons who, in the opinion of the Award Making Authority, have made outstanding contributions in the particular field of their endeavor with due consideration to the totality of the achievements of the nominee(s).

## 2. NATURE OF THE AWARDS

The National Geoscience Awards shall be given under three categories as stated below:

- i) National Geoscience Award for Excellence, hereinafter referred to as the **“Award for Excellence”**
- ii) National Geoscience Awards, hereinafter referred to as the **“Awards”** and
- iii) Young Researcher Award

## 3. BROAD DISCIPLINES

### SECTION - I : ***Mineral Discovery & Exploration***

#### ***Fields:***

- i) **Mineral Discovery & Exploration** (excluding fossil fuels) of economic and/or strategic importance and application of innovative techniques **(2 Awards)**
- ii) **Coal, Lignite and Coal Bed Methane Discovery & Exploration (1 Award)**
- iii) **Oil, Natural Gas and Gas Hydrates Discovery & Exploration** (including project development and planning leading to exploitation of resources and reservoir management) **(1 Award)**

- iv) **Groundwater Exploration** (including project development, hydrogeological studies and management of groundwater resources) **(1 Award)**

**SECTION-II : *Mining, Mineral Beneficiation and Sustainable Mineral Development***

***Fields:***

- v) **Mining Technology** (including, application of new methods, innovative techniques and development of technology for underground and open pit mining, research & development leading to increase in productivity, conservation of mineral resources, systematic mine planning, concurrent mine reclamation & rehabilitation and dimensional stone mining) **(2 Awards)**
- vi) **Mineral Beneficiation** (including mineral processing, project development and planning leading to utilization of low grade ores & production of value added mineral products and mineral economics). **(1 Award)**
- vii) **Sustainable Mineral Development** (including mine closure, project development, outstanding contribution to institutional development and capacity building)**(1 Award)**

**SECTION-III : *Basic Geo-sciences***

***Fields:***

- viii) **Stratigraphy, Structural Geology, Paleontology, Geomorphology, Economic Geology and Geodynamics** **(1 Award)**

- ix) **Petrology and Geochemistry** including Mineralogy, Geochronology and Isotope Geology **(1 Award)**

**SECTION-IV : *Applied Geosciences***

***Fields:***

- x) **Applied Geology:** Engineering Geology, Geo-thermal Energy, Seismotectonics, Photo-geology and Remote Sensing **(1 Award)**
- xi) **Geophysics / Applied Geophysics:** Theoretical development leading to new methodologies in geophysical exploration, Application of geophysical methods to the study of earth sciences, geo-magnetism, ground, airborne & marine geophysical survey techniques and instrumentation **(2 Awards)**
- xii) **Geo-Environmental Studies** relating to mining, urban, industrial, coastal and desert management, Paleoclimate, Paleoenvironment, climate change and studies related to their impact on ecosystem **(1 Award)**
- xiii) **Disaster Management** including scientific studies related to understanding and management of natural hazards such as underground mine hazards, earthquakes, landslides, floods and tsunamis **(1 Award)**
- xiv) **Ocean Development:** Oceanography and Marine Geology **(1 Award)**

xv) **Geo-Information System** including development of spatial data management applications, software packages, compilation of maps and related publications **(1 Award)**

xvi) **Glaciology and Antarctic Research** including Geo-Scientific Expeditions **(1 Award)**

#### **4. AWARD FOR EXCELLENCE (One)**

The Award for Excellence (**single award**) shall be conferred to an outstanding geo-scientist / engineer /technologist/academician with an exceptionally high lifetime achievement for a sustained and significant contribution in any of the disciplines mentioned in **Clause [3]**.

#### **5. NATIONAL GEOSCIENCE AWARDS**

**Nineteen (19)** annual awards shall be given to geo-scientists / engineers /technologists/academicians individually or to team(s) in recognition of their meritorious contribution in any of the above disciplines.

#### **6. YOUNG RESEARCHER AWARD (One)**

**“Young Researcher Award” (single award)** would be given for outstanding research work in any field of geoscience to Researchers / Scientists from Universities, academic and professional institutions who are below **30 years** of age on the 31<sup>st</sup> December of the Year of Award.

## 7. ELIGIBILITY FOR NATIONAL GEOSCIENCE AWARD

- (a) Any citizen of India who is a professionally qualified geo-scientist / engineer /technologist/academician having meritorious background with significant contribution in any of the fields specified in **Clause [3]** of the Regulation shall be eligible for the Awards and Award for Excellence.
- (b) The award shall be given on the basis of contributions made through work done for most part in India during the ***past ten years*** preceding the year of the award.
- (c) Though there is no upper limit of age, ***preference shall be given to geo-scientists / engineers / technologists /academicians below 40 years of age as on the 31<sup>st</sup> December preceding the year*** for which the award is given.
- (d) ***Not more than four team awards*** shall be given.
- (e) In case of each Award, a maximum of two individuals, an individual and a team or two teams may be selected, if they are adjudged to be of equivalent merit. However, such ***shared awards shall not exceed two***.

## 8. AWARD MONEY

- (a) Each Award will carry a cash prize of Rs. 200,000/-\*, a certificate, citation and trophy.
- (b) In case of shared award, each individual will get a cash prize of Rs. 200,000/-\* and in case of team(s) sharing the award, each team member shall receive a minimum of Rs. 60,000/-\*.

- (c) In case of team award, the prize money will be shared equally by the team members subject to a minimum of Rs. 60,000/-\* each.
- (d) The Award for Excellence shall carry a cash prize of Rs. 500,000/-\*, a certificate, citation and trophy.
- (e) The Young Researcher Award shall carry a cash prize of Rs. 50,000/-\*, a certificate, citation and trophy

## 9. NOMINATIONS

The nominations for Awards and the Award for Excellence can be forwarded every year by any of the following ***sponsoring organization through the designated authorities mentioned below:***

**(i) Central Government Ministries/Departments  
(nominations to be proposed / signed by the  
Secretary / Director General / Controller General /  
Chairman)**

- (a) Ministry of Mines
- (b) Ministry of Coal
- (c) Ministry of Petroleum & Natural Gas
- (d) Ministry of Steel
- (e) Ministry of Water Resources
- (f) Ministry of Home Affairs (Disaster Management Cell)
- (g) Ministry of Earth Sciences
- (h) Ministry of Environment & Forest
- (i) Department of Science & Technology

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\* The Award money is exempt from Income Tax under Section (10)(17A) of Income Tax Act, 1961.

- (j) Department of Atomic Energy (Atomic Minerals Division & Bhabha Atomic Research Centre)
- (k) Geological Survey of India
- (l) Indian Bureau of Mines
- (m) Survey of India (Geodetic Branch)
- (n) Indian Space Research Organization
- (o) Central Ground Water Board
- (p) India Metrological Department
- (q) Defence Research Development Organisation
- (r) Directorate General of Hydrocarbons
- (s) Oil and Natural Gas Corporation Ltd
- (t) Central Mine Planning and Design Institute

**(ii) Scientific /Professional / Academic Societies of All India Character (*nominations to be proposed / signed by the President*)**

- (a) Geological Society of India
- (b) Geological Mining & Metallurgical Society of India
- (c) Indian National Science Academy
- (d) Institute of Geoscientists (India)
- (e) Mining, Geological & Metallurgical Institute of India
- (f) Indian Geological Congress (Roorkee) etc.

**(iii) Academic and Research Institutions, Centres of Excellence etc. (*nominations to be proposed / signed by the Director General, Chairman, Vice Chancellor, Director, Chief Executive Officer*)**

- (a) Council of Scientific & Industrial Research (including Research Institutes/Laboratories dealing with Earth Sciences, Environmental & Mining Technology related R&D, Science & Technology etc.)
- (b) University Grants Commission

- (c) Universities/Deemed Universities and Autonomous academic institutions recognised to award post-graduate level degrees in geosciences and mining
  - (d) Wadia Institute of Himalayan Geology
  - (e) Centre for Earth Sciences Studies
  - (f) National Institute of Rock Mechanics
  - (g) National Geophysical Research Institute
  - (h) National Institute of Oceanography
  - (i) National Centre for Antarctic & Ocean Research
  - (j) Indian Institutes of Technology
  - (k) Indian School of Mines
  - (l) Central Mining Research Institute
  - (m) Indian Institute of Science
  - (n) Centre for Development of Stones
  - (o) Birbal Sahani Institute of Palaeobotany
  - (p) Central Arid Zone Research Institute
  - (q) G.B. Pant Institute of Himalayan Environment & Development
- (iv) **State Governments (*nominations to be proposed / signed by the Secretary (Mines & Geology)*)**
- (v) **Central and State Government Public Sector Undertakings** engaged in mining, mineral processing, production, mineral exploration including coal & lignite, groundwater development and oil & natural gas exploration (*nominations to be proposed / signed by the Chairman / CMD*).
- (vi) ***The recipients of Award for Excellence can also nominate an outstanding geo-scientist/engineer /technologist/academician every year for the Award of Excellence.***

(vii) For **Young Researcher Award** the nominations to be made by the Heads of the Institutions. Only those nominations forwarded by the respective Universities / Institutions where the research is being carried out will be considered

## 10. INSTRUCTIONS FOR SPONSORING ORGANISATIONS

- (a) Each organisation shall ordinarily be entitled to nominate only one person or a team of geo-scientists / engineers /technologists/academicians in **any one of the fields specified in Clause [3]. More than one nomination can be forwarded as a special case, provided the Sponsoring Authority fully justifies reasons for doing so on the grounds of the candidate's eminence.** Acceptance of such recommendations, however, will be subject to the decision of the Award Making Authority without further reference to the Sponsoring Authority.
- (b) **Organisations where multidisciplinary work is being carried out may make one nomination in each field of their activity, provided that for the Award for Excellence, each nominating organisation can sponsor only one candidate.**
- (c) A person can be nominated for the National Geoscience Award / Award for Excellence only three times (*including nomination for National Mineral Awards*) for the same or similar work for which he has to be nominated afresh each year. However, in exceptional cases, he/she may be nominated for significant contribution in a different field.

- (d) As person on whom National Geoscience Award has once been conferred will not ordinarily be considered for a second time for the Award. However, in exceptional cases, he/she may be considered for a second time if he/she has made an outstanding contribution in a totally different field.
- (e) ***While forwarding names for the team awards, the sponsoring organizations shall very carefully scrutinize the composition of the team and would ensure that only those persons associated with the project who have made meritorious contribution are included. .***
- (f) ***Nominations for the individual award can be sent through any of the sponsoring agencies as at Clause [8]. However, in case of team awards, the nominations sponsored only by organizations where the project work has been carried out will be accepted.***
- (g) ***Self nomination in any capacity shall not be acceptable and such applications would be considered invalid.***
- (h) ***The nominations should only be forwarded under the signatures of the designated authorities of the respective sponsoring organisations. Nomination form signed by any other authority will be rejected.***
- (i) ***Nominations made in any other format than the prescribed format and applications received beyond the stipulated date as well as incomplete nominations***

***will be rejected without any further reference to the sponsoring organization. No representation in this regard will be entertained.***

## **11. SELECTION PROCEDURE**

a) Selection Committees for each year's Awards and the Award for Excellence are constituted with the approval of the Chairman, Award Making Authority & Secretary, Ministry of Mines, Government of India. The '**Award Making Authority**' shall comprise of following members:

- |      |  |   |          |
|------|--|---|----------|
| (1)  | Secretary to the Government of India<br>Ministry of Mines  | : | Chairman |
| (2)  | Secretary to the Government of India<br>Department of Science & Technology                               | : | Member   |
| (3)  | Secretary to the Government of India<br>Ministry of Earth Sciences                                       | : | Member   |
| (4)  | Additional Secretary,<br>Ministry of Mines   | : | Member   |
| (5)  | Director General,<br>Geological Survey of India  | : | Member   |
| (6)  | Controller General,<br>Indian Bureau of Mines  | : | Member   |
| (7)  | An eminent <b>Geophysicist</b> (to be nominated<br>by Secretary, Ministry of Petroleum &<br>Natural Gas) | : | Member   |
| (8)  | An eminent <b>Mining Engineer</b> (to be<br>nominated by Secretary, Ministry of Coal)                    | : | Member   |
| (9)  | An eminent <b>Geologist</b> (to be nominated by<br>Chairman, UGC)  | : | Member   |
| (10) | An eminent <b>Geoscientist</b> (to be nominated<br>by DG, CSIR)  | : | Member   |
| (11) | Chairman, Screening Committee of Experts<br>for the National Geoscience Awards                           | : | Member   |

- (12) Chairman, High Level Experts' Committee : Member  
for the Award of Excellence
- (13) Director, Centre for Techno-Economic : Member  
Policy Options, Ministry of Mines Secretary

- (b) While the Chairman and Members at Sl. No. (2), (3), (4), (5), (6) and (13) of **Clause 11 [a]** above are ex-officio members, the tenure of the other members at Sl. No. (8), (9) and (10) shall be for 3 years. Any casual vacancy among such members may be filled up by nomination of a new member. No decision of the Authority shall be invalid because of the existence of any vacancy or vacancies in the membership of the Authority.
- a) If any Member of the Authority is to be considered for the Award, he/she shall cease to be a member of the Authority for the year in question.
- d) In assessing the nominations for the National Geoscience Awards, the Chairman of the Award Making Authority would constitute four '**Sectional Scrutiny Committees**' for discipline-wise evaluation and short-listing of the nominations and submitting its recommendations to the '**Screening Committee of Experts**'.
- e) The recommendations of four Sectional Scrutiny Committees would be placed before the '**Screening Committee of Experts**' constituted by the Chairman of the Authority for further evaluation and consideration of the '**Award Making Authority**'.
- (f) '**High Level Experts' Committee**' is constituted by the **Award Making Authority** for reviewing the nominations and recommendations for the Award for Excellence.

- (g) The selection for “***Young Researcher Award***” will be made by the ‘**Committee of Experts**’ constituted by the Chairman, Award Making Authority
- (h) **While considering the Award for Excellence as a lifetime achievement award for an exceptionally outstanding contribution in the area of geosciences, mining and allied fields, the Award Making Authority, if deem necessary, may consider credentials of any renowned geo-scientist / engineer /technologist /academician with very high life time attainments for conferring the Award for Excellence for the year.**
- (i) The composition of various selection committees, proceedings of the meetings and the procedure for consideration of the nominations, other than as detailed herein will be kept confidential.
- (j) The decision of the Award Making Authority on the Awards and the Award for Excellence shall be final and binding on all.
- (k) No representation will be entertained on the recommendations of the Sponsors.
- (l) Canvassing in any form during the selection procedure would lead to permanent disqualification of the nominee.

## **12. SCHEDULE**

The grant of Awards and the Award for Excellence for a particular year shall be based on the calendar year ending the 31<sup>st</sup> December. The time schedule for the Awards will be as follows:

- a) Circulars calling for nominations for the Award for Excellence and the Awards shall be issued by the *first week of January* each year or by any subsequent date as decided by the Chairman, Award Making Authority.
- b) Nominations (on the prescribed format) stating significant achievements made by the nominee upto the 31<sup>st</sup> December preceding the year of Award (the date of assessment) must reach the office of ***Shri A.K. Bhandari, Director, Centre for Techno-Economic Policy Options,(Registered Society under Ministry of Mines, Government of India), Room No. 527, 5<sup>th</sup> Floor, Block No. 11, C.G.O. Complex, Lodhi Road, New Delhi– 110 003,*** [Email:ak.bhandari@nic.in](mailto:ak.bhandari@nic.in) latest by the 30<sup>th</sup> April, 2011.

### 13. PRESENTATION CEREMONY

Presentation of the National Geoscience Awards will be made at an Award Presentation Ceremony on a date and time as may be decided by the Chairman of the Award Making Authority and the Chief Guest of the Award Ceremony.

#### **14. SECRETARIAT**

The Secretariat for implementing the scheme and servicing the Authority will be the Centre for Techno-Economic Policy Options,(Registered Society under Ministry of Mines, Government of India), Block No. 11, 5<sup>th</sup> Floor, C.G.O. Complex, Lodhi Road, New Delhi – 110 003. **Shri A. K. Bhandari, Director, Centre for Techno-Economic Policy Options, will be the Member-Secretary to various Selection Committees and the Award Making Authority.**

#### **15. REGULATIONS & NOMINATION FORM**

Regulations & Nomination Form for the National Geoscience Awards for Excellence, National Geoscience Awards and Young Researcher Award are given at **Annexure- I, II and III** respectively. These can also be downloaded from the website of the Ministry of Mines: [www.mines.nic.in](http://www.mines.nic.in)



10. (a) List of candidate's 10 most significant publications (**One set** of reprints to be enclosed) :
  - (b) Complete list of publications in standard refereed journals:
  - (c) List of papers presented in Conferences /Symposia/ Seminars, etc.:
  - (d) List of the most outstanding Technical Reports/ Review/ Articles:
  - (e) Details of Books published, if any
11. Details of Patents taken, if any:
  12. Any additional information of relevance (very briefly):
  13. Remarks of the Sponsoring Organisation / Authority.

**Sponsor's Signature with Official Seal**  
**Sponsor's name**  
**designation and address**

Place:

Date:

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12. (a) Summarise the significant contribution and achievements in any field enumerated under **Regulation 4 – Fields I to XVI** during the last ten years (entire career in case of the Award of Excellence) **(not exceeding 500 words)**
- (b) Assessment of the impact of the contributions made (in the form of Citation) in the field **(not exceeding 100 words)**
- (c) Mention the books and journals in which your **work of last 10 years** has been referred/ cited. Give its citation index of the contributing as per following format:
- |                       |  |                                   |                 |        |            |
|-----------------------|--|-----------------------------------|-----------------|--------|------------|
| (i) Title<br>of Paper | Name of the<br>Author who<br>has cited | Year of<br>his/her<br>publication | Name of Journal | Volume | Page<br>No |
| (ii) Title<br>of Book | Name of the<br>Author who<br>has cited | Year                              | Publisher       |        | Page<br>No |
13. (a) \* List of candidate's 10 most significant publications during the last 10 years (Life time for the Award for Excellence): **(One set of reprints to be enclosed)** (please also indicate candidate's status as the author):
- (b) \* Complete list of publications in standard refereed journals:
- (c) \* List of papers published in Conferences /Symposia/ Seminars, etc.:
- (f) \* List of the most outstanding Technical Reports/ Review/ Articles:
- (g) \* Details of Books published, if any
14. Details of Patents taken, if any:
15. Any additional information of relevance (very briefly):
16. **Remarks by the designated authority of the Sponsoring Organisation and to be certified that information provided in the above pro-forma is correct.**

**Sponsor's Signature with Official Seal \*\***

**Sponsor's name  
designation and address**

**\*\* (Sponsors should carefully read the instructions given under clause 9 of the Regulations before forwarding the nominations)**

Place:

Date:

**Please Note:**

- The nomination form should be neatly typewritten giving complete information about the candidate.
- Each copy of the nomination form should be properly tagged.
- Please do not attach any testimonial

**Specimen-A (Qualifications)**

S.No.	Degree	Subject	Class / Marks %	Year	University	Additional Particulars/Rank

**Specimen-B (Positions held from the beginning)**

S No	Period	Place of Employment	Designation	Scale of Pay

\* Listing of publications should be done in three columns giving:

- (i) Names of all the authors as they appear in each paper
- (ii) Title of the paper, and
- (iii) Name of the journal, volume, year and page

**NOMINATION FORM FOR**  
**YOUNG RESEARCHER AWARDS - 2010**

**( 2 hard copies of the completed form must be forwarded along with a soft copy in CD-R/RW using MS word format and 2 copies of passport size photographs (not to be pasted/ Stapled) latest by the 30<sup>th</sup> April, 2011)**

This form can also be downloaded from the website of the Ministry of Mines: [www.mines.nic.in](http://www.mines.nic.in)

- 
1. Name:  
(Candidate's full name - both in **English and Hindi**)
  2. Date of birth:  
(Enclose certificate of the age duly attested)
  3. Address with telephone/Fax/e-mail:  
(a) Official (b) Residential Address:
  6. Designation & Organisation
  7. Field under which to be considered (**only one to be mentioned**):  
(Candidate should clearly mention the section and field for which he has applied as per { **Clause-3** } )
  6. Candidate's field of specialization:
  7. Academic Qualifications (Bachelor's Degree onwards):  
[in a tabular form ]Also mention title of the Ph D thesis and name of the guide, if applicable
  8. Positions held (in chronological order)  
[in a tabular form ]:
  9. Membership of the academic, scientific bodies.
  10. Honours / Awards conferred earlier (please attach copy of citations)

11. (a) Summarise the significant contribution in the field of specialization **(not exceeding 500 words)**
- (b) Impact of the contributions made (in the form of Citation) in the field **(not exceeding 100 words)**
12. (a) List of candidate's publications (**One set** of reprints to be enclosed) (please also indicate candidate's status as the author):
- (b) Conferences /Symposia/ Seminars, attended
13. Details of Patents taken, if any:
14. Any additional information of relevance (very briefly):
15. **Remarks by the designated authority of the Sponsoring Organisation and to be certified that information provided in the above pro-forma is correct.**

**Sponsor's Signature with Official Seal \*\***  
**Sponsor's name**  
**designation and address**

**\*\* (Sponsors should carefully read the instructions given under clause 9 of the Regulations before forwarding the nominations)**

Place:

Date:

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