

# **NATIONAL GEOSCIENCE AWARDS**

**2017**



## **REGULATIONS**

**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 has been expanded and the name changed to National Geoscience Awards (NGA) from 2009. The objective of the scheme is to honour individuals and teams for extraordinary achievements and outstanding contributions in the field of fundamental / applied geosciences, mining and allied areas. Any citizen of India with significant contribution in any field of earth sciences is eligible for the Award.

1.2 There are three categories of awards under National Geoscience Awards:

- 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 Scientist Award

1.3 Nominations for National Geoscience Award for Excellence, National Geoscience Awards in fourteen fields under four sections and the Young Scientist Award are invited.

## 2. BROAD DISCIPLINES

### **SECTION - I: *Mineral Discovery & Exploration (5 Awards)***

#### ***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** of economic and/or strategic importance and application of innovative techniques **(1 Award)**

- iii) **Oil, Natural Gas, Shale 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 (4 Awards)***

***Fields:***

- v) **Mining Technology** (including development and application of new methods and technologies, research & development, conservation of mineral resources, systematic mine planning, mine safety, mine fires, mine hazards, mine reclamation & rehabilitation) **(2 Awards)**
  
- vi) **Mineral Beneficiation** (including mineral processing, project development for 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, institutional development and capacity building) **(1 Award)**

**SECTION-III : *Basic Geo-sciences (2 Awards)***

***Field:***

- viii) **Basic Geo-sciences** (including Stratigraphy, Structural Geology, Paleontology, Geomorphology, Economic Geology, Geodynamics, Petrology, Geochemistry, Mineralogy, Geochronology and Isotope Geology) **(2 Awards)**

**SECTION-IV: *Applied Geosciences (8 Awards)***

***Fields:***

- ix) **Applied Geology:** Engineering Geology, Geo-thermal Energy, Seismotectonics, Geostatistics, Photo-geology, Remote Sensing and Geo-Information System (including spatial data management applications and data integration) **(2 Awards)**
  
- x) **Geophysics / Applied Geophysics:** New Technologies in geophysical exploration, application of geophysical methods, geo-magnetism, geophysical survey techniques and instrumentation **(2 Awards)**
  
- xi) **Geo-Environmental Studies** relating to mining, urban, industrial, coastal and desert management, paleoclimate, paleoenvironment, medical geology, climate change and studies related to their impact on ecosystem**(1 Award)**
  
- xii) **Natural Hazard Investigations** including scientific studies related to natural hazards such as earthquakes, landslides, floods and tsunamis **(1 Award)**
  
- xiii) **Ocean Development:** Oceanography and Marine Geology **(1 Award)**
  
- xiv) **Glaciology and Arctic & Antarctic Research** including Geo-Scientific Expeditions**(1 Award)**

**3. AWARD FOR EXCELLENCE**

Award for Excellence (**single award**) shall be given to an individual with an exceptionally high lifetime achievement for sustained and significant contributions in any of the disciplines mentioned in **Clause-2**.

#### 4. NATIONAL GEOSCIENCE AWARDS

National Geoscience Awards (**19 Awards**) shall be given to individuals or team(s) in recognition of meritorious contribution in any of the disciplines mentioned in Clause-2.

#### 5. YOUNG SCIENTIST AWARD

Young Scientist Award (**single award**) shall be given for outstanding research work in any field of geosciences to an individual below **35 years** of age as on the 31<sup>st</sup> December 2016.

#### 6. ELIGIBILITY FOR NATIONAL GEOSCIENCE AWARDS

- (a) Any citizen of India who is a professionally qualified geo-scientist / engineer /technologist/academician, having a meritorious background with significant contribution in any of the fields specified in **Clause-2** of the Regulation shall be eligible for consideration of the Awards.
- (b) The award shall be given on the basis of contributions made through work done for most part in India, in the *past ten years* preceding the year of the award.
- (c) For Geoscience Awards, the preferred age will be *below 45 years as on 31<sup>st</sup> December of the preceding year* for which the award is given. However, age shall not be a limiting factor for excellent work/achievement.
- (d) A nomination for a team award can comprise a maximum of four members. The number of team awards shall not exceed six.
- (e) The Award for Excellence and the Young Scientist Award shall be given to individuals only (no team award in these two categories).

## **7. AWARDS**

**7.1** Each award would be in the form of a Certificate and a Cash Prize

**7.2** The Cash Prize would be as under:

- (a) Award for Excellence: Rs.5,00,000/-\*.
- (b) National Geoscience Award: Rs. 3,00,000/-\*.
- (c) In case of team award, the award money will be equally divided.
- (d) Young Scientist Award: Rs.1,00,000/-\*.

## **8. NOMINATIONS**

- (i) Nominations for the Awards including Young Scientist Award and Award for Excellence can be made by either the individual nominee or by any one among the team nominees or by any former awardee or by the Head of any institution, government department, university, or research entity.
- (ii) The nominations have to be accompanied by a declaration either by the nominee or by the nominating entity containing the following text:
  - (a) That the information given in the nomination is correct.
  - (b) That the work is original.
  - (c) That the work has been done substantially in India except in respect of ocean expedition or space research or Arctic/Antarctic research which may have been done outside India but have direct or measurable impact on India.
  - (d) That the work has been done by the nominee or the nominee team.
  - (e) That the major portion of the work has been done in the last ten years (this would not apply to Award for Excellence).
- (iii) A certificate from the head of institution / head of department / supervisory officer that the work has been done by the respective nominee is desirable but not mandatory.

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**\*The Award money is exempt from Income Tax under Section (10)(17A) of Income Tax Act, 1961. The amount is subject to upward revision as may be notified later.**

- (iv) If any work or the information in the nomination is found to be false or non-original or plagiarized or the nominee's contribution is very minor/insignificant, such nominations would be summarily rejected. Further, such nominees would be permanently disqualified for the awards and their names circulated among Government Departments and Universities/Academic Institutions.
- (v) In case of team awards, not more than four persons would be considered for the award. At the nomination stage, the team has to indicate the names of only four persons who may have made the maximum contribution.
- (vi) Normally, a person who has been awarded once would not be considered for an award a second time. However, such person can apply for the Award for Excellence, and a Young Scientist/Researcher Awardee can apply for the other two categories of awards.
- (vii) Nominations made in any format other than the prescribed ones and applications received beyond the stipulated date as well as incomplete nominations will be outright rejected without further reference. No representation in this regard will be entertained.

## 9. SELECTION PROCEDURE

- a) The Selection Committees for the Awards are constituted with the approval of the Chairman, Award Making Authority & Secretary, Ministry of Mines, Government of India. The '*Award Making Authority*' (*AMA*) shall comprise the following members:
  - (1) Secretary, Ministry of Mines : Chairman
  - (2) Secretary, Department of Science & Technology : Member
  - (3) Secretary, Ministry of Earth Sciences : Member
  - (4) Additional Secretary, Ministry of Mines : Member
  - (5) Director General, Geological Survey of India : Member
  - (6) Controller General, Indian Bureau of Mines : Member

- (7) An eminent **Geophysicist** (to be nominated by Secretary, Ministry of Petroleum & Natural Gas) : Member
- (8) An eminent **Mining Engineer** (to be nominated by Secretary, Ministry of Coal) : Member
- (9) An eminent **Geologist** (to be nominated by Chairman, UGC) : Member
- (10) An eminent **Geoscientist** (to be nominated by DG, CSIR) : Member
- (11) Chairman, Screening Committee of Experts for the National Geoscience Awards : Member
- (12) Any other person to be invited by the Chairman for the meeting : Member
- (13) Joint Secretary, Ministry of Mines : Member Secretary

(b) While the Chairman and Members at Sl. No. (2), (3), (4), (5), (6) and (13) of **Clause 9 [a]** above are ex-officio members, the tenure of other members at Sl. No. (7), (8), (9) and (10) shall be 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 rendered invalid because of the existence of any vacancy or vacancies in the membership of the Authority.

(c) No Member of the Authority shall participate in the deliberations of the AMA if he/she is a candidate for an award.

(d) Chairman, AMA shall constitute the following two Committees:

**(i) Sectional Scrutiny Committee:**

There shall be as many Sectional Scrutiny Committees (SSCs) as the number of Sections given in para 2 above (presently, there are four Sections and corresponding four Sectional Committees).

Each SSC will comprise five members having expertise in the field/fields under the Section. The SSC shall consider the nominations received under their respective Sections and after discipline-wise examination and evaluation, short list and recommend the nominations to the Screening Committee of Experts.



**(ii) Screening Committee of Experts:**

There shall be a Screening Committee of Experts [SCE] constituted by the Chairman of the Award Making Authority. The SCE will comprise the chairmen of the SSCs and 3 other experts. The recommendations of the Sectional Scrutiny Committees would be placed before the SCE for further evaluation and recommendation to the ‘Award Making Authority’. Further, the shortlisting for “*Award for Excellence*” and “*Young Scientist Award*” will be made directly by the ‘Screening Committee of Experts’.

- (e) 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 deemed necessary, may consider the name of any renowned geo-scientist / engineer /technologist /academician with very high credentials and life time attainments for conferring the Award for Excellence for the year.
- (f) 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.
- (g) The decision of the Award Making Authority shall be final and binding on all.
- (h) Canvassing in any form during the selection procedure would lead to permanent disqualification of the nominee.

**10. SCHEDULE:**

- (a) Nominations for all Awards shall include a list of the work done and achievements up to the calendar year ending 31<sup>st</sup> December, 2016 by the nominee, individual or nominee group in the preceding ten years. For the Award for Excellence, the limit of preceding ten years shall not apply.

- (b) The last date for receipt of nominations is 05:30 PM of **31<sup>st</sup> May 2017, if submitted by hard copy and 05:30 PM of 15<sup>th</sup> June, 2017, if sent digitally** (in respect of hard copy, it will be the responsibility of the nominees to ensure that the hard copies are delivered in Shastri Bhawan before the date & time mentioned above. Delay by the postal authorities / courier would be the responsibility of the nominee).
- (c) Such nominations should be submitted by email to [ngawards-mines@gov.in](mailto:ngawards-mines@gov.in), or by post/ hand delivery to Director (Technical), Ministry of Mines, D-306, Shastri Bhawan, Dr. Rajendra Prasad Road, New Delhi – 110 001.

#### **11. 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.

#### **12. SECRETARIAT**

The Secretariat for servicing the Authority will be the office of the Director (Technical), Ministry of Mines, Room No 306-D, Dr. Rajendra Prasad Road, New Delhi-110001, Telefax:011-23385329, email: [ngawards-mines@gov.in](mailto:ngawards-mines@gov.in); Director (Technical), Ministry of Mines will be the Member Secretary to various Selection Committees.

#### **13. NOMINATION FORM**

Nomination Forms for the National Geoscience Award for Excellence, National Geoscience Awards and Young Scientist 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)

**NOMINATION FORM FOR NATIONAL  
GEOSCIENCEAWARD FOR EXCELLENCE - 2017**

If sent by post, 2 hard copies of the completed form along with a soft copy on a CD-R/RW in MS word format and 2 copies of passport size photographs (not to be pasted/ stapled) must reach latest by 05:30 PM of 31<sup>st</sup> May, 2017.

If sent by email, the soft copy of the completed form along with a digital passport size photograph must reach latest by 05:30 PM of 15<sup>th</sup> June, 2017.

This form can also be downloaded from the website of the Ministry of Mines: *www.mines.nic.in*

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1. Name:

.....; .....; ..... ; .....

LAST NAME FIRST NAME MIDDLE NAME PREFIX (Mr./ Mrs./Ms./Dr.)

2. Date of birth:

D	D	M	M	Y	Y	Y	Y
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3. Address with telephone/Fax/e-mail:

**(a) Official:**

Designation:

Address with PIN Code:

Email:

Fax:

Ph:

**(b) Residential Address:**

House No:

Street:

Locality:

District:

State with PIN Code:

Email:

Ph:

4. Candidate's field of specialization:

5. Academic Qualifications (Bachelor's Degree onwards):

[Mention title of the Ph D thesis and name of the guide, if applicable]

Sl.No.	Year	Degree	Subjects	Institution/College	University	Class/Marks %	Additional Particulars/Rank/ Comments, if any

6. Positions held earlier (in chronological order)

Sl. No	From	To	Designation	Employee Details	Additional Information/ Comments, if any

7. Membership of the academic, scientific and professional bodies:

8. Honours / Awards conferred:

9. (a) Summarize the significant contributions and achievements in entire career  
(not exceeding 1000 words)

(b) Assessment of the impact of the contributions (in the form of Citation)

10. Publications:

(a) Article/Paper:

Chronological list of all publications (indicate which are in refereed publications and which are not):

Papers presented in conferences/symposiums/seminars NOT to be mentioned

<b>Sl.No.</b>	<b>Year</b>	<b>Article Name</b>	<b>Author</b>	<b>Published in</b>	<b>URL of the publication</b>

(b) Books/Chapters in Books - chronological list

(c) Technical Reports/ Newspapers/Review – chronological list

(d) List which TEN of the above you consider the best:

11. Details of Patents, if any:

12. Any additional information of relevance (very briefly):

13 **Declaration of the nominee [as per clause 8(ii) of Regulations]:**

- (a) That the information given in the nomination is correct.
- (b) That the work is original.
- (c) That the work has been done substantially in India except in respect of ocean expedition or space research or Arctic/Antarctic research which may have been done outside India but have direct or measurable impact on India.
- (d) That the work has been done by the nominee or the nominee team.

**Signature of Nominee**

**Name:**

**Designation:**

**Address:**

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**Recommendation/ Remarks:**

**Signature of Nominating Entity**

**Name:**

**Designation:**

**Address:**

**(Nominees/Nominating Entities should carefully read the instructions given under clause 8 of the Regulations before submitting the nominations)**

Place:

Date:

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**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 testimonials

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AWARDS - 2017**

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2. Date of birth:

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3. Address with telephone/Fax/e-mail:

**(a) Official:**

Designation:

Address with PIN Code:

Email:

Fax:

Ph:

**(b) Residential Address:**

House No:

Street:

Locality:

District:

State with PIN Code:

Email:

Ph:

4. Designation & Organization:

5. Candidate's field of specialization:

6. Field under which to be considered (**only one field to be mentioned**):

(Candidate should clearly mention the section and the field for which he has applied as per {**Clause-2**})

7. Qualifications (Bachelor's Degree onwards):

[Mention title of the Ph D thesis and name of the guide, if applicable]

Sl.No.	Year	Degree	Subjects	Institution/College	University	Class/Marks %	Additional Particulars/Rank/ Comments, if any

8. Positions held earlier (in chronological order)

Sl. No	From	To	Designation	Employee Details	Additional Information/ Comments, if any

9. Membership of the academic, scientific and professional bodies.

10. Honours / Awards conferred

11. Applicant should mention if he was sponsored earlier for the National Geoscience (or Mineral) Awards / Award of Excellence/ Young Scientist (or Researcher) Award. If Yes, please mention the year-wise details along with the name of the sponsoring agency (s).



12. (a) Summarise the significant contribution and achievements in any field enumerated under **Clause 2 – Fields I to XV** during the last ten years (**not exceeding 500 words**)
- (b) Assessment of the impact of the contributions (in the form of Citation) on the field (**not exceeding 100 words**)
- (c) Mention the books and journals in which your **work of last 10 years** have been referred/ cited. Give its citation index in the following format:

(i) Title of Paper	Name of the Author who has cited	Title/ Year of his/her publication	Name of Journal	Volume	Page No
(ii) Title of Book	Name of the Author who has cited	Year	Publisher		Page No

13. Publications:

- (a) Article/Paper:

Chronological list of all publications (indicate which are in refereed publications and which are not):

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Sl.No.	Year	Article Name	Author	Published in	URL of the publication

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- (d) List which TEN of the above you consider the best:

14. Details of Patents, if any:
15. Any additional information of relevance (very briefly):
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- (d) That the work has been done by the nominee or the nominee team.
- (e) That the major part of the work has been done in the last ten years.

**Signature of Nominee**

**Name:**

**Designation:**

**Address:**

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**Recommendation/ Remarks:**

**Signature of Nominating Entity**

**Name:**

**Designation:**

**Address:**

**(Nominees/Nominating Entities should carefully read the instructions given under clause 8 of the Regulations before submitting the nominations)**

Place:

Date:

**Please Note:**

- The nomination form should be neatly typewritten giving complete information about the candidate.
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**NOMINATION FORM FOR  
YOUNG SCIENTIST AWARD - 2017**

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(2) Date of birth:

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**(a) Official:**

Designation:

Address with PIN Code:

Email:

Fax:

Ph:

**(b) Residential Address:**

House No:

Street:

Locality:

District:

State with PIN Code:

Email:

Ph:

(4) Designation & Organization:

(5) Field under which to be considered (**only one field to be mentioned**):

(Candidate should clearly mention the section and the field for which he has applied as per { **Clause-2** } )

(6) Candidate's field of specialization:

(7) Qualifications (Bachelor's Degree onwards):

[Mention title of the Ph D thesis and name of the guide, if applicable]

Sl.No.	Year	Degree	Subjects	Institution/College	University	Class/Marks %	Additional Particulars/Rank/Comments, if any

(8) Positions held earlier (in chronological order)

Sl. No	From	To	Designation	Employee Details	Additional Information/ Comments, if any

(9) Membership of the academic, scientific and professional bodies.

(10) Honours / Awards conferred

(11) (a) Summarise the significant contribution and achievements in any field enumerated under Regulation 2 – Fields I to XV during the last ten years (**not exceeding 500 words**)

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(a) Article/Paper:

Chronological list of all publications (indicate which are in refereed publications and which are not):

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- (d) That the work has been done by the nominee or the nominee team.
- (e) That the major part of the work has been done in the last ten years.

**Signature of Nominee**

**Name:**

**Designation:**

**Address:**

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**Recommendation/ Remarks:**

**Signature of Nominating Entity**

**Name:**

**Designation:**

**Address:**

**(Nominees/Nominating Entities should carefully read the instructions given under clause 8 of the Regulations before submitting the nominations)**

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