



# INDIAN SOCIETY OF AGRICULTURAL ENGINEERS

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## NOTIFICATION FOR ISAE AWARDS (2020)

**(Last Date for Nominations/Applications: March 31<sup>st</sup>, 2021)**

ISAE invites nominations/applications for the following AWARDS to recognize the outstanding contributions of its Members in the field of Agricultural Engineering and their services to the profession and the society (ISAE). Only those candidates will be considered who are either Life Member or Corporate Member or Student Member as applicable in case of respective awards.

**1. Mason Vaugh Agricultural Engineering Pioneer Award (by Nominations only):** This award is the highest recognition by the Society. It will be awarded to the members fulfilling the following criteria:

- a) Life Member of ISAE for 25 years ISAE Fellow
- c) ISAE Gold Medalist
- d) Outstanding Professional contributions in one or more of the following areas:
  - i. Establishment/improvement of Agricultural Engineering Education in India
  - ii. Pioneering research contributions that led to greater recognition to Agricultural Engineering Profession
  - iii. Pioneering efforts in field applications of Agricultural Engineering technologies leading to mass adoption by industries/farmers
  - iv. Pioneering efforts made by Industry/Corporate Member in industrial sector of any recognized field of agricultural engineering with large scale employment of agricultural engineers and making available quality commercial product of international standards to Indian farmers.

*Nominations for this award are required to be sent directly to the President, ISAE. Only Gold Medalists & Past Presidents can nominate the candidates for this award.*

**2. ISAE GOLD MEDAL FOR LIFE TIME ACHIEVEMENTS (by nominations only) – The prestigious ISAE Gold Medal is awarded to any life member fulfilling the following criteria and to be nominated by ISAE Gold Medalists/Past Presidents:**

- a) Life Member of ISAE for 20 years
- b) ISAE FELLOW
- c) Contributions made to ISAE in various capacities including significant contributions made as executive committee/council member of ISAE and its Chapters, editors of ISAE publications, reviewer of journal articles, organizing national/regional conventions, enrolling large membership, improving financial position of ISAE, presiding over ISAE committee nominated by ISAE Executive Committee for its various activities and any other significant contribution made to ISAE as professional body to support mandate of ISAE at national/international level.

- d) Outstanding Professional contribution in one of the following area:
- i) **Education:** Establishment/improvement of Agricultural Engineering Education in India to be judged on the basis of establishment of new Agricultural Engineering Institution, design of new courses & contents, guidance to Ph.D. and Masters students leading to recognition of student's thesis by national/international awards.
  - ii) **Research:** Pioneering research contribution that lead to greater recognition to Agricultural Engineering Profession to be judged on the basis of quality of research publications in highly rated research journals, citation index, recognitions of research by national/international bodies, patents, product development & commercialization, adoption of research outcome by stakeholders including farmers.
  - iii) **Field/Extension:** Pioneering efforts in field applications of Agricultural Engineering technologies leading to mass adoption to be judged on the basis of supporting evidence in any of the following.

- (1) Introduction of new implements and tools technology with large scale adoption,
- (2) Introduction of innovative land water management treatments leading on large scale area treatment for soil moisture security,
- (3) Introduction of innovative irrigation system leading to mass adoption and evidence of enhanced water productivity.
- (4) Introduction of innovative energy gadgets leading to mass energy conservation as evidenced from local government reports,
- (5) Introduction of any post-harvest, processing, value addition technology and mass scale adoption by users as evidenced from market penetration of such products.

(6) **Industry:** Corporate Member with pioneering efforts in establishment of industry in any recognized field of agricultural engineering that led to large scale employment of agricultural engineers and making available quality commercial product of international standards to Indian farmers to be judged on the basis of number of agricultural engineers on roll, market share in Indian market, annual domestic sale and export. Industry should be at least 15-year-old and should have been recognized by central/state Government agencies for its quality product and services to farmers.

**3. ISAE FELLOW** – will be awarded to any Life Member fulfilling following criteria. The candidates may be recommended by any two ISAE Fellows:

- (a) Life Member of ISAE for 15 years.
- (b) Contributions made to ISAE in various capacities include significant contributions made as executive committee/council member of ISAE and its Chapters, editors of ISAE publications, reviewer of journal articles, organizing national/regional conventions, enrolling large membership, improving financial position of ISAE, presiding over ISAE committee nominated by ISAE Executive Committee for its various activities and/or any other significant contributions made to further the goals of ISAE as professional body in any of the thematic areas at state, national or international level.
- (c) Outstanding Professional contribution in one of the following area:
  - (i) **Education:** Establishment/improvement of Agricultural Engineering education in India to be judged on the basis of establishment of new Agricultural Engineering Institution, design of new courses & contents, guidance to Ph.D. and Masters students leading to recognition of students thesis at national/international level.

- (ii) **Research:** Pioneering research contribution that led to greater recognition to Agricultural Engineering Profession to be judged on the basis of quality of research publications in highly rated research journals, citation index, recognitions of research by national/international bodies, patents, product development & commercialization, evidence of adoption of research outcome by stakeholders including farmers.
- (iii) **Field/Extension:** Pioneering efforts in field applications of Agricultural Engineering technologies leading to mass adoption to be judged on the basis of supporting evidence of (a) introduction of new implements and tools technology with large scale adoption, **or** (b) introduction of innovative land water management treatments leading on large scale area treatment for soil moisture security, **or** (c) introduction of innovative irrigation system leading to mass adoption with evidence of enhanced water productivity, **or** (d) introduction of innovative energy gadgets leading to mass energy conservation as evidenced from local government reports, **or** (e) introduction of any post-harvest, processing, value addition technology and mass scale adoption by users as evidenced from market penetration of such products.
- (iv) **Industry:** Corporate Member with pioneering efforts in establishment of industry in any recognized field of agricultural engineering that led to large scale employment of agricultural engineers and making available quality commercial product of international standards to Indian farmers/consumers. Annual domestic sale and export record. Industry should be at least 15 year old and should have been recognized by central/state Government and evidence of consumer acceptance for its quality product and services to farmers.

**Note:** *Very senior Agricultural Engineers or Engineers with long experience with outstanding contribution in any field of Agricultural Engineering who could not become Member of ISAE for some reason should be eligible for awarding 'ISAE Fellow/Honorary Fellow' and may be exempted from (b) above on Membership duration criteria. Non Engineers who have made significant contribution to profession of Agricultural Engineering may be awarded with 'Honorary Fellow'. These decisions shall be exclusively made by the President ISAE with approval of Executive Committee and should be considered only in exceptionally deserving cases.*

#### **4. COMMENDATION MEDAL FOR PROFESSIONAL ACHIEVEMENTS**

Will be awarded to any Life Member fulfilling following criteria:

- a) Member in good standing /Life member of ISAE for 10 years
  - b) Recommendation by Head of the organization/ISAE chapter certifying the validity of claims made by candidate
  - c) Contribution of candidate in any one of the discipline i.e. (a ) Farm Power & Machinery (b) Soil & Water Conservation Engineering/ Irrigation & Drainage Engineering (c) Energy in Agriculture (d) Post harvest process and food engineering along **with supporting evidence** in one of the following thematic fields.
- (i) Development of innovative technology leading to mass adoption including information technology in agriculture
  - (ii) Field application of technology leading to enhancing productivity of soil/water/energy/crop/livestock
  - (iii) Industrial production, quality control and services to users including training, demonstrations and field services
  - (iv) Introduction of new course curricula with design and contents **and/or** introduction of innovative method of teaching/learning

**5. DISTINGUISHED SERVICE AWARD** – Merit Certificates in the similar fields as mentioned in Serial No. 4 above are awarded to the Life Members fulfilling the following criteria:

- a) ISAE Member of good standing/ Life member for 5 years
- b) Recommendation by Head of organization/ISAE chapter
- c) Professional Services to ISAE in any of the following areas with supporting evidences:
  - i. Enrollment of 20 or more ISAE Life Members in one year
  - ii. Generating significant finances to ISAE
  - iii. Organizing local/regional/national seminars under umbrella of ISAE
  - iv. Providing Agricultural Engineering Services in the state under ISAE Chapter
  - v. Promotion of Agricultural Engineering Profession at political and bureaucratic system at state, national and international level.

**Women professionals/Engineers working in State or Central Government /Professionals working in Industry. All three categories will be adjudged separately.**

**6. ISAE TEAM AWARD**-To be awarded to those Engineers/Scientists fulfilling the following criteria:

- a) Team leader must be Life Member of ISAE for 10 years.
- b) Interdisciplinary team work lead by Agricultural Engineer
- c) Significant contributions of team in research, teaching, extension, industries or field application as evidenced from published literature, innovative products and patents, adoptions levels of technology in any one of the disciplines of agricultural engineering leading to enhanced productivity, economic use of resources and improving economics of agriculture

**7. OUTSTANDING BOOK AWARD** – To be awarded to author(s) for good quality books in any area of Agricultural Engineering. First edition of the book published and in circulation prior to 2020 will only be considered. Authors must fulfill the following criteria:

- (i) First Author must be ISAE Life Member
- (ii) Original book authored on topic of agricultural engineering
- (iii) Importance of theme and quality of contents
- (iv) Organization of chapters, scientific editing and language
- (v) Foreword by distinguished experts and their views on contents
- (vi) Meeting expectations of desired audience/readers of book
- (vii) Edited books may not be considered for this award.

**8. STUDENT PAPER AWARDS** – To be awarded to any Under-Graduate or Post-Graduate student who is a Member of ISAE, and his/her paper is judged as the best paper based on the content, quality and presentation, by a panel of jury. Only the papers presented during the forthcoming 55<sup>th</sup> Annual Convention of ISAE being held in October, 2021 will be considered for this Award. The papers should preferably be by an individual student. The length of an Under-Graduate Student Paper shall not exceed 2000 words and that of Post-Graduate Student 3000 words. Best UG/PG student selected for this award will be awarded a cash prize of Rs. 5000/- by ISAE.

**9. JAIN IRRIGATION AWARD** – To be awarded to the Members for the (a) best student paper and (b) best professional paper presented in the area of drip irrigation during each Annual Convention. The papers should preferably not exceed 3000 words.

**10. BEST CHAPTER AWARD** – To be awarded to the best ISAE Chapter based on following criteria:

- (i) ISAE chapter that hosted previous Annual Convention shall be given top priority for this award in recognition of quantum of efforts put in by the chapter in organizing ISAE convention and mobilizing funds for ISAE.
- (ii) Other ISAE chapters may also be considered for award if they have organized regional conventions under umbrella of ISAE on mandated themes and also generated significant finances for ISAE.

**11. ISAE-TAFE Student Gold Medal Award** – Only ISAE Life members/student members with specialization in Farm Machinery and Power (Thesis/Dissertation should be related to Farm Mechanization). It must have been submitted during calendar years 2018 to 2020. The candidates should submit only Extended Abstract (not more than 4 pages in Times New Roman, Font 12). They should also submit soft copies of papers published/accepted for publication. From a College/Department, only one candidate be recommended each from B.E./B.Tech. M.Tech., and Ph.D. category. The application must be certified by the Dean/Head of the College/Department.

## GENERAL CRITERIA AND INSTRUCTION FOR AWARDS

Awards will be made only if, in the opinion of the Awards Committee, the recognition is due.

Awards will be given to only Life members/Corporate members/Student members as applicable to the concerned award.

In deserving cases, when the Committee so decides, under the same category, more than one award can be given.

The decision of the Committee is final and no appeal will be entertained.

(a) The recipient of any individual awards within last 3 years is not eligible for award. (b) Any office bearer of ISAE either Ex-Committee or Ex.-Council of ISAE is not eligible for any individual award during his / her tenure. (c) No one is eligible for award if his/her professional service/contribution to Profession for Agril. Engg. is less than 10 years unless mentioned. While deciding the awards, the contribution to ISAE must be given significant importance.

Nomination(s) for Awards at **Serial No. 1** should be by at least three ISAE Gold Medalists/Past Presidents and to be decided by Executive Committee of ISAE with the help of expert committee. Nominations for awards at **Serial No. 2** should be by ISAE Gold Medalists/Past Presidents. Recommendation for award at Serial No.3 should be by two ISAE Fellows. **For Serial No. 2** (Gold Medal) and **Serial No. 3** (Fellow) please use the prescribed **Proforma-1**.

Applications for awards at serial numbers 4 to 8 should be sent to ISAE HQ through proper channel (to be forwarded by the Head of Institution/Organization/Department/ISAE Chapter). For award at Serial No. 6, the team work should be reflected by published literature and a certificate from the Head of the Department/Institution.

For Award at Serial No. 7, the book should be related to any area of the Agricultural Engineering. This should be in the printed form and should be written in English or in Hindi only. A copy of the Book along with Application should be sent by registered post to the ISAE Head Quarters.

For awards at Serial No. 8 and 9, the Vice-President (Technical) in consultation with the respective Technical Directors will recommend the name(s) for these awards, based on the quality of papers presented in the technical sessions, during the 55<sup>th</sup> ISAE Annual Convention.

For awards at **Serial No. 8 and 9**, the abstract for the paper shall be sent to Secretary General, ISAE HQ by 30<sup>th</sup> July 2021. Full text of the paper should be brought for the presentation during the 55<sup>th</sup> Annual convention. The Award shall be subject to minimum number of 5 participants. The Director (Awards) may, however, relax this condition depending upon the quality of the papers received.

Nominations for award at Serial No. 10 shall be sent by the Chairman of the ISAE Chapters with full report and audited account for 2019-2020.

**For Serial No. 4, 5 & 7 please use the prescribed proforma – 2,  
For Serial No. 6 use proforma – 3,  
For Serial No. 9 please use proforma – 4  
For Serial no. 11, please use proforma – 5.**

Documentary evidence(s) should be attached wherever applicable.

The nominations/applications (soft copy) for awards in the prescribed proforma should be sent by email to the Secretary General, ISAE at [isae1960@gmail.com](mailto:isae1960@gmail.com) or online in [www.isae.in](http://www.isae.in) on or before March 31<sup>st</sup>, 2021. Hardcopy of Nominations/applications for awards in the prescribed proforma should be sent through Registered Post / Courier to ISAE at the following address by April 10<sup>th</sup>, 2021.

**Nominations/Applications received through email later than March 31<sup>st</sup>, 2021 will not be entertained. Also, if the hard copy is not received as per the deadline, the application will not be considered for the concerned award.**

**Address:**

**Secretary General**

Indian Society of Agricultural Engineers  
G-4, A-Block, (Ground Floor)  
National Agricultural Science Centre, NASC Complex  
Dev Prakash Shastri Marg,  
Pusa Campus, New Delhi-110012





9. **Outstanding Professional Contributions** (Education, Research, Field/Extension, Industry) with Publications, Technology/ Products/ Patents, Scientific/ Industrial Leadership, Development Works and Other Professional Achievements) Meriting Fellowship of ISAE:

10. **Citation:**

Name and Year of Birth:

Qualification and Fellowship of Professional Bodies: Designation and Address:

Citation (not exceeding 150 words):

**Nominated by: ISAE Gold Medalist/Past President in case of ISAE Gold Medal**

**Name and Address:**

**Dated:**

**Signature**

**Recommended by two ISAE Fellows for ISAE Fellow**

**1. Name and Address:**

**Dated:**

**Signature**

**2. Name and Address:**

**Dated:**

**Signature**

**INDIAN SOCIETY OF AGRICULTURAL ENGINEERS**

**PROFORMA FOR INDIVIDUAL AWARDS**

**COMMENDATION MEDAL/DISTINGUISHED SERVICE**

**AWARD/BOOK AWARDS**

(Tick the relevant one)

1. Name (Block letters) :
2. Address with Pin Code:  
Telephone No. : E-mail :
3. Qualifications:

S.No.	Degree	Year	Institution/University

4. ISAE Membership :

Membership No.	Year of joining	Whether discontinued at any time with period	Present status of Membership

5. Have you ever applied for ISAE Award for the same work? If so please give details and the end result
6. Have you applied for any other Award of ISAE for the year 2020? If so, please indicate the name of the Award (s):
7. Awards received so far:

S. No.	Name of the Award	Year	Work for which the said Award was conferred
	ISAE Award (s) i) ii		
	Any other Award (s) i ii		

Note: The Awards already conferred for the same work, for which you are applying now, the same should be mentioned.

8. Services rendered to the ISAE:

S.No.	Particulars	During last five years	Cumulative
i)	Members enrolled, No		
ii)	Subscribers enrolled for AET & JAE, No.		
iii)	Amount collected for advertisements, Rs.		
iv)	Any other monetary contribution, Rs.		
v)	Contribution to the profession like organizing local/regional/national Symposium/Seminar/Workshop/Exhibition/ Convention etc.		
vi)	Developing job opportunity for the Engineers		
vii)	Protecting the cause of fellow Engineers		
viii)	Promotion of Agricultural Engineering Profession at political and bureaucratic system at state, national and international level		

9. Services rendered to the profession:

- A. i) Field of work eg. Government/ICAR/SAU/PSU/Public Ltd. Co. / Pvt. Ltd. Co. /NGO
- ii) Field of specialization eg. FMP/SWCE or IDE/Energy/ Post harvest Process and Food Engineering

B. Details of Services rendered to the Profession:

S. No.	Particulars	During last Ten years, No.	Cumulative No.
i)	Papers published <ul style="list-style-type: none"> <li>a. International Journals</li> <li>b. National Journals</li> <li>c. Local Journals</li> <li>d. Extension Booklets</li> <li>e. Books/book chapters</li> <li>f. Papers presented</li> </ul>		
ii)	Equipment/Innovative Technology developed leading to mass adoption including information technology in agriculture		
iii)	Equipment/Technology commercialized/promoted		
iv)	Personnel trained <ul style="list-style-type: none"> <li>a. U.G student</li> <li>b. P.G/Ph.D. Student</li> <li>c. State Govt. Official/Farmers etc.</li> </ul>		
v)	Equipment tested/evaluated other than those developed by you/ your organization		
vi)	Introduction of new course curricula with design and contents <b>and/or</b> introduction of innovative method of teaching/learning		

vii)	List of Committees where you have been the Chairman/ Member Secretary/Member		
viii)	List of Developmental Schemes formulated in your field of specialization		
ix)	Equipments manufactured /sold a. Manual b. Animal drawn c. Power driven d. Self-propelled		

*Note: Attach a detailed list in chronological order in support of your claims for each attribute*

10. For Distinguished service award for enrolling 20 or more Life members of

ISAE in last one year, members enrolled in last one year .....

11. For Book Award only:

- a) Title of the Book
- b) Number of chapters and pages
- c) Name of author(s) with ISAE membership number
- d) Name of the publisher with full address
- e) Month and year of publishing along with edition
- f) Number of copies published and sold
- g) Any other information

12. Services rendered in remote/difficult areas

13. Any other significant achievements and contribution, NOT included above:

14. Give a brief write up not exceeding 300 words justifying your claim for the Award applied for :

15. Certified that the information furnished above is true and correct to the best of my Knowledge

Date

Signature of the Applicant

16. Recommendation of the Head of the Department/Organization/ISAE Chapter with, name, full address & official seal

Date

Signature

**INDIAN SOCIETY OF AGRICULTURAL ENGINEERS**

**PROFORMA FOR TEAM AWARD**

1. Name (Block letters) :

2. Address with Pin Code:

Telephone No. :

E-mail:

3. Qualifications:

S.No.	Degree	Year	Institution/University

4. ISAE Membership:

Membership No.	Year of joining	Whether discontinued at any time with period	Present status of Membership

5. Have you ever applied for ISAE Award for the same work? If so please give details and the end result:

6. Have you applied for any other Award of ISAE for the year 2020? If so, please indicate the name of the Award (s):

7. Awards received so far:

S.No.	Name of the Award	Year	Work for which the said Award was Conferred
	ISAE Award (s) i) ii)		
	Any other Award (s) i) ii)		

Note: The Awards already conferred for the same work, for which you are applying now, should be mentioned

8. Professional / Field experience:

9. Place(s) of work:

10. Details of team work (interdisciplinary) lead by Agricultural Engineer:

- i) Period
- ii) Name of the project
- iii) Detail of the project
- iv) Present status of the project
- v) Final outcome of the project
- vi) Innovative product and patents
- vii) Adoption level of technology
- viii) Economic viability/returns of the project

11. Any other information not included above:

12. Give brief write up not exceeding 300 words justifying your claim for the Award applied for :

13. Certified that the information furnished above is true & correct to the best of my knowledge

Date:

Signature of Applicants

14. Recommendation of the Head of the Department/Organization/ISAE Chapter with name, full address and his official seal

Date:

Signature

*Note:*

For Team Award, details of all the applicants shall be given in S.No. 1 to 8 above.

**INDIAN SOCIETY OF AGRICULTURAL ENGINEERS**

**PROFORMA FOR JAIN IRRIGATION AWARD (Student/Professional)**  
(Tick the relevant one)

1. Name (Block letters) :

2. Address with Pin Code:

Telephone No.

E-mail:

3. Qualifications :

SI.No.	Degree	Year	Institution/University

4. ISAE Membership:

Membership No.	Year of joining	Whether discontinued at any time with period	Present status of Membership

5. Named the degree which you are perusing, presently:

6. Institution & the Department where you are a student, presently:

7. Particulars of Co-curricular activities and significant contribution, if any :

8. Title of Paper:

9. Name of Advisor(s) with designation under whom the work has been carried out :

10. Any other information:

11. Brief Synopsis of the Paper/Thesis not exceeding 300 words:

12. Certified that the information furnished above are true & correct to the best of my knowledge.

Date

Signature of Applicant

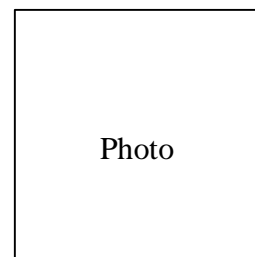
13. Certified that Shri/Kumari is a student of college/institution and he/she is a member of ISAE during 2019-20.

Date:

Head of the Department/  
ISAE Chapter Chairman with seal

**Application for ISAE-TAFE GOLD Medal**

1. Name of the student in full (underline surname)
2. Date and place of birth
3. Present postal address



4. Telephone, email, Fax etc.

5. Educational qualifications beginning with the B. Tech. degree

S. No.	Degree	Institution	Year

6. Date on which Degree (B.Tech./M.Tech./Ph.D.) passed
7. Transcript of the course work done (enclose photocopy)
8. Details of the dissertation/thesis submitted for the award
  - (i) Title of the dissertation/thesis
  - (ii) Department/Division/Institution/University where research work was done
  - (iii) Institution/University to which thesis/dissertation was submitted as a part of the degree programme.
  - (iv) Name and Designation of the thesis/dissertation supervisor
  - (v) Research problem: Brief description, scientific, technological, socio-economic relevance and priority (Limit to 01 page)
  - (vi) What standard methods and modern procedures were used in the experimental work? (limit to 01 page)
  - (vii) Were any special tools/procedures specially developed for the thesis/dissertation. Yes/No if yes give information (limit to 01 Page)
  - (viii) Briefly describe the significant results obtained? (not more than 02 page)
  - (ix) What is the level of originality and innovation compared to the present technology of farm mechanization



- (x) In what way these results have made the real possibility to transfer the innovation to market
  - (xi) In what way these results have resulted benefits for agricultural farmers and have impact
  - (xii) List the publications (published/accepted) that have arisen from this research work giving the NAAS rating (Please do not include the publication that have been submitted or symposia papers)
  - (xiii) List patent applied /obtained
9. An extended abstract (not more than 3 pages) need to be submitted otherwise application will not be considered.
10. Details about the Sports/Cultural/NCC/NSS/ISAE activities
11. Certificate by the Student

Signature

12. Certificate by the supervisor/Guide that the information submitted has been verified and true

Signature

13. Forwarding note by the Head/Deans of the institution

Name and Designation

Seal

*Note: The application may include only the essentially required facts and figures and should not contain unnecessary details about the individual achievements etc. The application must also contain a extended abstract which should be quantifiable and in perfect sync with the criteria laid out for the gold medal. One college may nominate not more than one each for B.Tech., M.Tech., and Ph.D., respectively.*