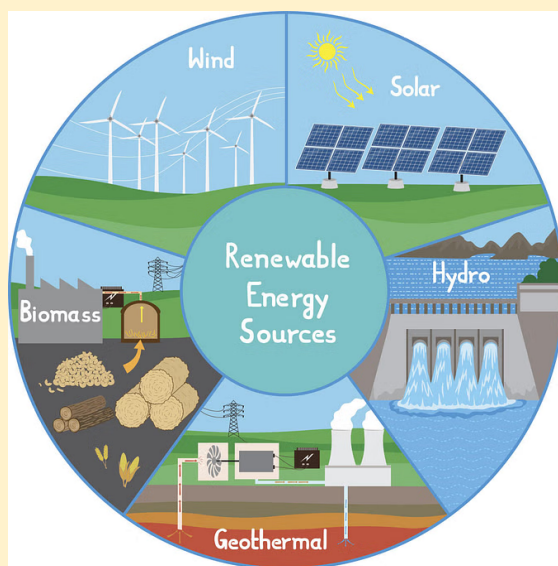




Sustainable Renewable Energy and its Impact on the Future of India

Contest

Middle School (Grades 6-8)

The **India Association of Charlotte** invites entries from Middle School students for a contest focused on this year's theme: ***"Sustainable Renewable Energy and its Impact on the Future of India"***.

2025 Contest Rules:

- Contest entries should be created by Middle school students in grades 6-8.
- Projects may be advised by a teacher; however, the teacher may assign a student or a parent to be the group leader.
- Students can form teams of 3, 4, or 5 (maximum), but all members must be from the same elementary school. A variety of skills should be included in each team, and one student may be designated as the group leader. Each team is encouraged to choose a special name.

Prizes for the winning entries:

- **First place:** \$200
- **Second place:** \$150
- **Third place:** \$100

Each winning team will be recognized on stage during the **Festival of India** on **September 20, 2025**, in Belk theatre Charlotte. The winning project will receive a

trophy, and each student will receive an e-certificate. The prize money will be given to the team leader/teacher, who will decide how the prizes are distributed among the team.

Deadline: Friday, May 24, 2025. Submit the registration form [here](#).

Requirements for the Contest:

Part 1: Research

- Present required information on a **TRIFOLD Board** in PDF format.
- Write the **Team Name**, **Lead's Name**, **Teacher's Name** and **School Name** on the top left or right corner of the Trifold (**mandatory**).
- Include a one-page description of **Sustainable Renewable Energy**: Explain what sustainable renewable energy is, choose any one form (solar, wind, hydro, geothermal, biomass), and **how it impacts the environment and future of India as well as the environmental considerations in the USA.**
- **Specify your model's location(s) in India.**
- Create a blueprint for the sustainable renewable energy model you plan to construct.
- Display **"Work in Progress"** pictures.
- Save the original 3D project for display at the venue.
- Submit the above information as a **PDF file** for the judges.

Additionally, **produce a video** showcasing the finished 3D model of your project. This will allow the judges to thoroughly assess the project.

Part 2: 3-D Model of Sustainable Renewable Energy

- **Model Construction:** Build a durable and visually appealing 3D model of a sustainable renewable energy device. **Size not more than 2 feet high by 2.5 feet wide.**
- Students can use everyday materials such as cardboard, wood, plastics, or recycled items.
- ***Incorporate Animations or Limited Movement:*** Add motion or animated elements to your model to showcase how sustainable renewable energy works in real life. For example, wind turbines that spin, solar panels that adjust to light, or robotic elements that demonstrate energy flow.
- If possible, integrate **basic robotics** or **programming** (e.g., motors, sensors, or Arduino/Raspberry Pi) to make the model more interactive.
- Include **pictures and videos** of the completed 3D model as part of your PDF submission.

Part 3: Reflection Video

- Collaboratively create a video (2-4 minutes) explaining the journey of sustainable renewable energy development and its potential for the future

of India.

- The video should showcase your understanding of sustainable renewable energy solutions and their impact on the environment and society.
- Video resolution must be **HD** or higher.

Submission Process

- Each team leader must fill out the **Registration/Parent Consent Form**.
- Reflection video must be an **original work** by the contestants.
- Upload your video to **YouTube** with the title format: "Team Name_Video Title".
- Set the video to "**unlisted**" to ensure only those with the link can view it. Any video set to "public" or "private" will not be considered.
- Follow these steps to upload your video to YouTube:
 - Sign into your YouTube account and click the **Upload** button.
 - Select the video to upload.
 - Add the title (Team Name_Video Title) and description.
 - Choose "Unlisted" in the privacy dropdown menu and click **Publish**.
- **Email the following by Friday, August 30, 2025:**
 - Completed Research PDF
 - Images and video of the completed 3D model
 - Reflection Video
 - Email to: kaul.amit@gmail.com

Last date for project submission: Friday, August 30, 2025.

Winners will be notified by **September 10, 2025** and will receive instructions for where to deliver the final project. Judging will be based on the Research PDF, 3D model images, and Reflection Video.

Winning entries will be displayed at the **Festival of India** on **September 20, 2025**, at **Belk Theatre in uptown Charlotte**. The projects will also be published on our website and social media for a broader audience. Winners will be invited to the venue on **September 19** for setup and **September 20** to receive their prizes.

Note: Family members of the organizing committee are not eligible to participate due to potential conflicts of interest.

Submission Evaluation Rubric(100 points):

- **Identification of the project(10 points):** Understanding of sustainable renewable energy concepts.
- **Final Design & Product(20 points):** Creativity in model design and use of materials.
- **Test & Evaluation(15 points):** Thorough testing and documentation of the model.

- **Reflection Questions(15 points):** Clear analysis of teamwork and the sustainable renewable energy challenge.
- **Video Concept(15 points):** Clarity and engagement in presenting sustainable renewable energy concepts.
- **Teamwork & Participation(25 points):** Collaboration and effort displayed by the team.

Judging Criteria

- Creativity, originality, and depth of knowledge shown in the project.
- Extra points may be awarded for innovative elements like advanced animations or interactive models.

For questions, please contact:

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Disclaimer:

The decision of the FOI School Committee is final and binding. The committee will conduct a meticulous review of all project models, evaluating each submission against a clearly defined set of criteria. These criteria include, but are not limited to, factors such as quality of design, creativity, technical execution, and overall presentation. After a thorough and impartial assessment of all models, the committee will determine the final rankings. This process ensures that every decision is made with fairness and objectivity, providing all participants with an equal and transparent evaluation based on the merits of their work.