



Government of Goa

**STATE COUNCIL OF EDUCATIONAL RESEARCH & TRAINING**

Porvorim – Goa 403521

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No. SCERT/SSE/360/2007-08/Part I/ **3803**

Dated: 13<sup>th</sup> December 2021

To,

The Headmaster/Headmistress/Principal,

\_\_\_\_\_

\_\_\_\_\_

**Subject: State Level Jawaharlal Nehru Science, Mathematics and Environment Exhibition for Children – 2021-22 (SLJNSMEE 2021-22)**

Sir/Madam,

The State Council of Educational Research & Training, Alto-Porvorim, has scheduled to organize the State Level Jawaharlal Nehru Science, Mathematics & Environment Exhibition (SLJNSMEE) for Children 2021-22 in collaboration with NCERT, New Delhi for the students of Secondary & Higher Secondary Schools in Goa, preferably for class IX to class XII. The theme for SLJNSMEE 2021-22 and JNNSMEE 2021-22 is **“Technology and Toys”** The five Sub themes are: -

1. Eco Friendly Material
2. Health and Cleanliness
3. Software and Apps
4. Transport
5. Environment & Climate Changes
6. Mathematical Modelling

(Note: Sub-theme listed above are suggestive. Students may also develop innovative models on any other sub- theme, pertaining to the main theme-Technology and Toys).

The Guidelines for the preparation of Exhibits and models is enclosed herewith. Also, it can be downloaded from the NCERT website [www.ncert.nic.in](http://www.ncert.nic.in).

This exhibition is proposed to be held from, 3<sup>rd</sup> to 5<sup>th</sup> February 2022 and one day Science seminar for science teachers of Pernem, Bardez & Bicholim is on 4<sup>th</sup> February 2022 on the subject **“Scientific Academic Institute of India”**. ***The residential / nonresidential exhibition will be at Harmal Panchakroshi Higher Secondary School, Vidya Sankul, Harmal, Pernem, Goa.*** The timings for the exhibition for all three days will be from 10.00 a.m. to 5.00 p.m. The Seminar is for regular Science Teachers only with a relaxation to Government High Schools for (LBTs).

P.T.O.

**PRIZES:** - It is proposed to award the following prizes at State Level Exhibition.

First Prize	Rs. 2,000/-
Second Prize	Rs. 1,500/-
Third Prize	Rs. 1,200/-
Fourth Prize	Rs. 1,000/-
Fifth Prize	Rs. 800/-
5 Special prizes @ Rs.500/-	Rs. 2,500/-

**The schools participating in the Exhibition should send their entries to this Council on or before 5<sup>th</sup> January 2022 along with the write-up of the exhibit.**

**The Science Teachers participating in Seminar should send their entries to this Council only through Google forms on the given link on or before 29<sup>th</sup> December 2021 (Link for Teachers Seminar: <https://forms.gle/nKttBoPvRUYLhdA59> )**


Each school can display two exhibits and each exhibit should be accompanied by **one student & a guide Teacher**. It may be noted that only one teacher will be allowed to accompany the exhibits even if the school is participating with two exhibits.

The exhibits could be static/working models. **The model exhibited should not occupy space beyond 90 cm x 60 cm.**

The Science/ Mathematics/ Environment Projects exhibited in the past either in the State Level Western India Science Fair, District/ State Level Exhibition for INSPIRE Awardees or in the State Level Jawaharlal Nehru Science, Mathematics & Environment Exhibition shall not be allowed and such exhibits shall be disqualified for participation.



Yours faithfully,

  
(N. G. Honnekeri)  
Director, SCERT, Goa

Encl:- As above.

Copy to:

1. The Director of Education, Directorate of Education, Panaji – Goa.
2. The Dy./Asst. Director of Education, North/Central/South Educational Zone, Mapusa/Panaji/Margao
3. All A.D.E.I.'s

49<sup>th</sup> JAWAHARLAL NEHRU NATIONAL SCIENCE, MATHEMATICS &  
ENVIRONMENT EXHIBITION (JNNSMEE 2021-22) FOR CHILDREN

**THEME: Technology and Toys**

**PROFORMA – I**

Information about the Exhibit / Model

1. Title of the Exhibit/Model \_\_\_\_\_  
(in BLOCK Letters) \_\_\_\_\_

2. Sub-theme:

- |   |                                 |                          |
|---|---------------------------------|--------------------------|
| 1 | Eco Friendly Material           | <input type="checkbox"/> |
| 2 | Health, Hygiene and Cleanliness | <input type="checkbox"/> |
| 3 | Interactive Software            | <input type="checkbox"/> |
| 4 | Historical Development          | <input type="checkbox"/> |
| 5 | Mathematical Modelling          | <input type="checkbox"/> |

Science  Mathematics  Environment

3. Name of contributing Student \_\_\_\_\_ ( M / F )  
(in BLOCK Letters)

Mobile No. \_\_\_\_\_

Email \_\_\_\_\_

4. Name of Guiding Teacher \_\_\_\_\_ ( M / F )  
(in BLOCK Letters)

Mobile No. \_\_\_\_\_

Email \_\_\_\_\_

5. Name of school with complete postal address (in BLOCK letters):

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State / UT \_\_\_\_\_ PIN: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

6. Type of the School Government /Local Body/Private Aided/Private  
Unaided/Any Other (Please specify) \_\_\_\_\_  
\_\_\_\_\_

7. Affiliation of the School: State Board/ICSE/CBSE, Any Other (Please specify)

\_\_\_\_\_

8. Location of the School: Tribal/Rural/Backward/Semi Urban/Urban

9. Nature of the Exhibit/Model: Innovative/Improved Apparatus  
Working/Static Model/Study Report  
Any Other (Please specify) \_\_\_\_\_  
\_\_\_\_\_

10. Whether Dark room space is needed for the display of exhibit: Yes/No

11. Approximate space required for the display of Exhibit \_\_\_\_\_ - \_\_\_\_\_

12. Source of inspiration/help for preparing the exhibit/model:

(Please explain briefly about the nature and form of help received from the following)

i. From Teachers/School

\_\_\_\_\_  
\_\_\_\_\_

ii. From Parents

\_\_\_\_\_  
\_\_\_\_\_

iii. From Peer Group

\_\_\_\_\_  
\_\_\_\_\_

iv. Any other

\_\_\_\_\_  
\_\_\_\_\_

13. Brief Summary (Please explain the purpose (or aim) and the scientific principle involved in the exhibit / model in not more than three lines).

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

14. WRITE-UP OF THE EXHIBIT / MODEL (not more than 1000 words) in the following format (**Note:** Proper submission of the Write-up will ensure that if selected for participation in the 49<sup>th</sup> Jawaharlal Nehru National Science, Mathematics & Environment Exhibition (JNNSMEE 2022) for Children – 2022, it will be considered for publication in the booklet entitled : Structure and Working of Exhibits. For convenience, examples of write-ups of exhibits are also given in this booklet.)

**i. Introduction :**

- \* Purpose (or Rationale) behind the development or construction of the exhibit ; and
- \* The scientific principle involved.

**ii. Description :**

- \* Materials used for the construction;
- \* Construction and working of the exhibit / model, and
- \* Applications, if any.

**iii. References :**

- \* Books, journals or magazines referred for preparation of the exhibit/model

**iv. Illustration :**

- \* Black and white line diagram of the model, illustrating the working of the exhibit/model.
- \* Close-up photographs of the exhibit/model.

15. **Five minutes video presentation in CD by the students** about the exhibit containing (i) title of the exhibit (ii) sub-theme of the exhibit (iii) working of the exhibit (iv) scientific principle involved in it (v) application, etc., should also be sent along with the write-ups.

- Note:
- i. Please do not pin or paste the photographs of the exhibits. Enclose them in a separate envelope. Description of the photograph may be written on its back.
  - ii. Please do not enclose the photographs of participating student (s) and their guide teacher (s).
  - iii Please do not send the scanned /soft copies of write-ups instead of video presentation.

**CERTIFICATE OF ORIGINALITY**

We, \_\_\_\_\_ hereby declare that the submitted exhibit/model is our original creative work / modified form of available work and to the best of our knowledge, this exhibit/model has never been developed by any other person in this form. (Strike off, whichever is not applicable.)

(Signatures of students and teachers)

Student:- \_\_\_\_\_

Guide Teacher: \_\_\_\_\_