

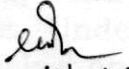
राष्ट्रीय विज्ञान संग्रहालय परिषद  
National Council of Science Museums  
Block-GN, Sector-V, Bidhan Nagar  
कोलकाता/Kolkata-700 091

संख्या/NoI- I-11013/3(123)/2019 / 2647 दिनांक/Dated: October 15, 2019

कार्यालय ज्ञापन/Office Memorandum

**Sub: Guidelines for close association with schools by Science Museums/Centres**

The Governing Body, NCSM in its 123<sup>rd</sup> meeting held on September 24, 2019 at National Science Centre, Delhi, approved, vide Agenda Item No.123.3, the guidelines for close association with schools by Science Museums/Centres under NCSM as per **Annexure 'A'**. However, emphasis may be given on students in Government schools/Public institutions away from Science Museums/Centres.

  
15/10/19  
(चंद्रकांत दास/C.K. Das)  
सचिव/Secretary

To :-

- 1) Directors [NSCM/NSCD/NCSM(Hqrs.)/Science City/CRTL/VITM/BITM/NE]/  
MD, CMD
- 2) PPS to DG, NCSM
- 3) CoA/Dy. CoA of all NCSM units
- 4) Dy. CoFA, NCSM (KKM/BC)
- 5) PRO & Hindi Cell, NCSM
- 6) Office copy

**National Council of Science Museums**

Block-GN, Sector-V, Bidhan Nagar

Kolkata - 700091

**GUIDELINES FOR CLOSE ASSOCIATION WITH  
SCHOOLS BY SCIENCE MUSEUM/CENTRE UNDER NCSM**

**OBJECTIVE:-**

Museums/Centres play an important role in propagating non-formal science education among students, teachers and general public through various activities like exhibitions and non-formal educational extension activities both in-house and outreach activities. Science education through non-formal education mode has been found to be very effective and popular among school students for creating interest in science.

In order to achieve this objective, several activities and programmes as suggested below may be organized/implemented by the Museum/Centre either by visiting the schools or by inviting them to Museum/Centre. Under this programme, initially each national level Museum/Centre may select one school and interact with the school for a period of one year on regular intervals with special focus to make science and mathematics learning innovative and participatory in nature.

**MODALITIES:-**

- 1) Initially the programme will start in national level Museum/Centre. After observing impact of such association, this may be extended to Regional level science centres in second phase.
- 2) Modalities of selecting schools will be decided by concerned Directors after following a transparent system and taking into consideration the feedback from the Principal/Headmaster of interested schools.
- 3) The target group shall be the underprivileged students of class VI to VIII as students in class IX and X would not show much interest due to their Board exams.
- 4) In case of difficulty in identifying interested schools, concerned Education authorities of respective State Government's/NGOs may consult to identify the school(s) for such association by Museum/Centre.

- 5) Designing a set of 10 experiments on each topic on science as per the syllabus of respective classes as many of them do not have a science laboratory in their schools.
- 6) Organizing visit of such students to Museum/Centre and organize special programmes for them. During such visit, free modest lunch and free low cost-no cost scientific and educational kits may be provided.
- 7) Four to five sets of experimental kits on the topics '*taught in the school*', may be developed to perform a number of experiments and such kits may be left with the school for subsequent use by teachers.
- 8) Organising hands-on activities on Science and Science Demonstration Lectures based on the topics in school curriculum and development Mobile Apps which may be shared with students.
- 9) Organising workshops to develop low-cost teaching aids on curriculum based topics involving the teachers and students which may be left in the school for further use.
- 10) Organising *meet the scientist* programme and popular lectures by experts on topics of general interest.
- 11) Organising sky observation programmes and film shows on various scientific topics.
- 12) Conducting Science Quiz contest, science debate contest.
- 13) Such other educational and scientific programme(s) on current topics from time to time.

**REVIEW:-**

Impact of each programme may be recorded through objective type feedback form from each student in order to improve the quality of the programme in future to make them more effective.

\*\*\*\*\*