



भारत सरकार GOVERNMENT OF INDIA
भाभा परमाणु अनुसंधान केंद्र BHABHA ATOMIC RESEARCH CENTRE
परमाणु ऊर्जा विभाग DEPARTMENT OF ATOMIC ENERGY



नाभिकीय अनुसंधान प्रयोगशाला
ज़कूरा, नसीम बाग, श्रीनगर – 190024
Nuclear Research Laboratory
Zakura, Naseem Bagh, Srinagar-190024
फोन Phone: 0194-2414240, 2421315
ईमेल: E-mail: nrlharloff@barc.gov.in

उच्च स्थानीय अनुसंधान प्रयोगशाला
एचएडब्ल्यूएस के पास, गुलमर्ग- 193403
High Altitude Research Laboratory
Near HAWS, Gulmarg -193403
फोन Ph: 9419300016,01954-294427

Ref. No. NRL/Adm/Tour/ 149

Dated: 24/04/2024

Sub: Educational tour to HARL Gulmarg

Principal, Govt. Degree College, Beerwah, Kashmir vide his letter No. GDCB/24/559 dated 23/04/2024 requested for the educational tour to High Altitude Research Laboratory, Bhabha Atomic Research Centre, Gulmarg, for the students of Physics Department and faculty members. They are hereby allowed to enter the High Altitude Research Laboratory, Bhabha Atomic Research Centre (HARL-BARC) premises for the said purpose on 25/04/2024 (Thursday). The students and faculty members may please be asked to carry their identity cards for identification purposes. Further, it may kindly be noted that tour cancellation/postponement, if any, may be informed before the tour date.

Jabiruddin
24/4/2024
(Mufti Sabi ud din)
Officer Incharge

ASO, NRL- HARL - for information HARL Security

Contact Nos: (7006158424, 7780818169, 9419522220)

Copy to:

1. Station Officer, HARL, Gulmarg -for information
2. Principal, Govt. Degree College, Beerwah, Kashmir
3. Commandant, HAWS Gulmarg-for information

P.S.- Photography is strictly prohibited inside the HAWS/HARL Campus. Smartphones with geotagging are not to be operated inside the HAWS/HARL, Campus .

फती/ S. MUFTI
प्राभारी अधिकारी / Officer-in-charge
भारत सरकार / Government of India
भाभा परमाणु अनुसंधान केंद्र / Bhabha Atomic Research Centre
खगोल भौतिकी विज्ञान प्रभाग / Astrophysical Sciences Division
एन. आर. एल-एच.ए.आर.एल / NRL-HARL
ज़कूरा, श्रीनगर - 190024 / Zakura, Srinagar - 190024



گورنمنٹ ڈگری کالج بیروہ کشمیر



**OFFICE OF THE PRINCIPAL
GOVERNMENT DEGREE COLLEGE BEERWAH, KASHMIR**

NAAC ACCREDITED GRADE - "B"

Fax: 01951275277, Phone No: 01951275276, Email ID: gdcbeerwah@gmail.com

Official site: www.gdcbeerwah.edu.in

NO.GDCB/24/559

DATE: 22/04/2024

The Director,
High Altitude Research Laboratory (HARL)
Gulmarg.


Subject: Grant of permission for Physics Students to visit HARL as part of experiential learning.

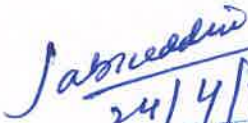
Sir,

Kindly refer to the above cited subject, it is requested to your goodself that a group of around 20 students escorted by faculty members of this college intend to visit High Altitude Research Laboratory to get an exposure for the science/research activities being carried there and future scope for the students. A suitable date of visit preferably 25-04-2024 may kindly be communicated at the earliest. List of Students and Faculty members visiting is enclosed.

An earlier action is solicited.

Yours sincerely


PRINCIPAL
Principal
G. D. C. Beerwah
Budgam


24/4/2024

एस. मुफ्ती / S. MUFTI
प्राभारी अधिकारी / Officer-in-charge
भारत सरकार / Government of India
भारत परमाणु अनुसंधान केंद्र / Bhabha Atomic Research Centre
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जकुरा, श्रीनगर - 190024 / Zaskura, Srinagar - 190024

ख.पी.बि.प्र./ApSD.

ना.अ.प्र.-अ.उ.अ.प्र./NRL-HARL.

आवती संख्या/Inward No. 15

तारीख/Date 24/4/2024

List of Students

S. No.	Name	Roll No
1	Mir Faisal	21225
2	Uzma Zehra	21229
3	Bintul Zehra	21228
4	Sobia Ahad	21202
5	Kulsum Jan	21224
6	Musharaf Ah Paul	21233
7	Mumin Ahmad	21221
8	Fayaz Ah Sofi	22153
9	Syed Irfan Hussain	22154
10	Mujeeb ur Rehman	22155
11	Muzamil Majeed Shah	22156
12	Sameena Hassan	22158
13	Nargis Khaton	22159
14	Aliyas Ahmad Para	22160
15	Snobar Mohi ud Din	22164
16	Kulsuma Parveen	22162
17	Dilawar Mohamad Mir	22171
18	Jan Tahir Hussain	22152
19	Sabreena Hassan	22163
20	Farhan Mushtaq	21204

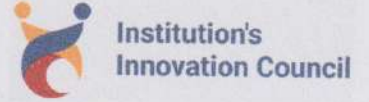
List of Faculty members

1. Dr. Mudasir Hassan Dar
2. Dr. Niyaz Ahmad Reshi
3. Dr. Mohammad Irshad ul Haq
4. Mr. Mushtaq Ahmad

70066 88934 (Cell No.)



گورنمنٹ ڈگری کالج بیروہ کشمیر
OFFICE OF THE PRINCIPAL



GOVERNMENT DEGREE COLLEGE BEERWAH, KASHMIR

NAAC ACCREDITED GRADE - "B"

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Official site: www.gdcbeerwah.edu.in

REF.NO: EL/IIC/2704/2024

DATE: 27-04-2024

High Altitude Research Laboratory visit report

Department of Physics in collaboration with Institution's Innovation Council organized experiential learning tour to High Altitude Research Laboratory, Bhabha Atomic Research Centre, Gulmarg (HARL-BARC) on 25th April 2024. The students were given demonstration about the research being carried out at HARL-BARC. The students visited the neutron detection laboratory and interacted with the scientists. Dr. Mushtaq Ahmad Darzi and his team gave a demonstration about the different components of the experiment and how the theoretical knowledge of physics acquired at the undergraduate level is implemented in the experiment. The students got acquainted with the neutron detection experiment, data acquisition, and analysis. Students also visited Magnetic Observatory, where the scientists demonstrated the measurement and variation of horizontal component of earth's magnetic field due to magnetic storms from the sun. The students were practically demonstrated how the fluctuations in geomagnetic storms are recorded per second in units of nanoTesla (nT). Moreover, the practical demonstration for the measurement of angle of declination and inclination at a given location was also carried out. The scientists have proposed to guide some of the interested students for mini project work in future. The department and the students are highly thankful to the Principal for facilitating this visit to HARL-BARC Gulmarg.




IIC Coordinator/HoD Physics


PRINCIPAL

Copy to

- 1) IQAC Coordinator
- 2) Office file