

NANDA NATH SAIKIA COLLEGE

TITABOR, ASSAM



PROJECT ON
STUDY THE KAZIRANGA NATIONAL ORCHID AND
BIO DIVERSITY PARK



SUBMITTED BY:-

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CLASS:-4th SEMESTER

SUB:-BOTANY {MAJOR}}

ROLL NO:-117

CERTIFICATE

This is to certify that the project Report entitled "Study the Kaziranga National orchid and bio diversity park" which is being submitted by Rhituraj Borah, B.Sc. 4th seam of Nandanath saikia college Titabar, and Affiliated to Dibrugarh university, Assam.

He has prepare and completed the study under my supervision and guidance.

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Teacher in-charge

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Head of the department

Botany

*Examined
Pallavi
6/4/18*

One day excursion to Kaziranga National orchid and Bio-Diversity park:-

The site to be visited by Botanical excursion was decided unanimously as Kaziranga national orchid and bio-Diversity park.

Our team:- The excursion team consisted of 35 student and supervised by Honorable department teachers.

The journey:- Our excursion to Kaziranga National orchid and Bio-Diversity park is a botanical excursion on the 21st of March, 2018.

About the site:- a dream orchid and bio-Diversity park has finally arrived. Orchids are the greatest after tea and petroleum we are known across the world for a great variety of orchids found in our forest, hills and mountain. Orchids are the symbol of our natural heritage and our pristine natural health. Assam's own state flower is kapou (*Rhyncostylis retusa*) a popular orchid.

This park has houses 600 more varieties of wild orchids.

A rice museum

The north-east India is also home to a large number of rice species, which are growing different season, Most of them have disappeared from our daily recipes. Some varieties can cope up with natural challenges etc. Most of these natural species are enriched with nutritional values.

A place of folk culture

The park also houses a center to promote native culture of Assam. These are regularly shown to tourists. Throughout the day our folk-artists are playing in a natural setting of their own. One might be playing flute or another one playing with her instrument. Tourists will also be able to get a taste of North-east India's food.

INTRODUCTION

Kaziranga National Park is one among the top ten most visited national park in India. Recently kaziranga national Orchid and Biodiversity park, established at a 2 kilometers distance from kohora charali spanning a wide area of 18 bighas of land at Durgapur village is the largest orchid park of its kind that has added a new dimension to the glory and pride of Kaziranga national park. Till date, scientist have discovered only 850 varieties of orchids in India's Northeast region . out of 1314 species of orchid found in India, Kaziranga national orchid park alone boasts of possessing a little more then 500 varieties of wild orchid collected from different parts of northeast India states



Kaziranga national orchid and Biodiversity park a noble initiative by Krishak Mukti Sangram Samiti led by Akhil Gogoi, chairman of the orchid park consists of a green house, photo gallery, medicinal herbal plants garden, product outlet corner, fruit garden, flower garden, rice museum, hotel and centre for folk-culture practices . The orchid park also offers the visitors to enjoy a nature walk in the forest adjacent to it.

Description of the Orchids species found there with photo graph:-

A) *Dendrobium lituiflorum*:-



A deciduous species found in tropical zones in mixed deciduous forests-more often found in Terminalia plantation. The long pendulous measuring up to 60cm bear purple flower all along leafless stem at the nodes in cluster of 3 to 5. Flowers are up to 6 cm across, there sepals and petals spreading. Lip white with purple transverse strips, trumpet shaped, puberulous. Flowering February to April.



B) *Dendrobium apyllum*:-

A lovely Orchids with long pendulous stems bearing flower all along. Generally found in tropical mixed deciduous forests or in evergreen forests. They are leafless. Flowers are pale rose with yellow pubescent lip, they are found in flowers during April to May.

C) *Dendrobium densiflora*:-



Most charming evergreen orchid producing golden yellow flowers densely do curved axis giving an appearance of a rip pineapple fruit. Leaves are cluster at apex giving a fan like appearance. The inflorescence is produced between the leaves bearing dense golden yellow flowers, the lip bearing orange yellow. Flower April to May.

CACTUS:-



A) *Echinocactus*:-

Members of the genus usually have heavy spination and relatively small flowers.



B) *Mammillaria hahniana*:-

It is a species of flowering plant in the family cactaceae, native to central Mexico. It grows to 25 cm (10 in) tall by 50 cm (20 in) broad. The solitary spherical stems, 12 cm in diameter, are covered in white down and white spines. Reddish purple flowers are borne in spring and summer, sometimes forming a complete ring around the apex of plant.

MEDICINAL PLANTS:-



A) Desmodium gangeticum:-

Parts used:- Roots, and whole plant.

Systems of Medicine:- Ayurveda, Folk, Homeopathy etc.

Uses:- Roots are used for cardiac disorders, fever, cough, difficult breathing, dysentery and vomiting, whole plant is a

rejuvenator used for edema, polyuria, piles and vomiting.

CONCLUSION

Kaziranga Orchid park is a important place due to the availability of its diversity of Orchids and other important plant species .I have visited this place with my college mates, our sir and mam. Very amazing and beautiful place – each and every part such as green house, photo gallery, folk dance cultural show, rice museum, boating facility etc. We enjoyed it a lot. But we have observed that this diversity is dehiscing due to its dense flora which mesmerizes the sit for tourists. It helps us to could extra knowledge and information about the orchids as well as other types of plant. I think such park should be present in every district. A very good job done by KMSS. This was a very important work that had to be done. I am greatly impressed by the different varieties of flower, fruit etc. I am goanna visit it soon. A big thank you all whoare behind this creation. And again thank our sir and mam who showing us Kaziranga Orcid park.