

# Department of Botany

## **TAG OUR PLANTS**

### **Digitalization of Plants at S.S. Bir Botanic Gardens**

**Duration of the project: 02 years**

**Coordinator: Head**

**Department of Botany**

- **S.S. Bir Botanic Gardens** attached to Department of Botany is over an area of 12 hectares of land.
- Plantations - **Bentham & Hooker's Natural System** of Classification
- Plant wealth - **750 species** of trees, shrubs and climbers from various regions of Himalayas and other parts of the country.
- **Cactus house, glass house, tropical plant house, rosarium, bougainville garden and aquatic garden** are of special interests
- **Guided tour** to the **Visitors** covering different sections of the garden and acquainted with the various sections of the garden.
- To make the visit of the various visitors more **interactive** the department proposes a project entitled "**TAG OUR PLANTS**"
- In this project all the plants will be labelled with **quick-response (QR)** codes and **Near field communication (NFC)** tags.
- The digital labelling will provide **detailed information** pertaining to the particular plant.

# Budget of the project

S. No.	Item	Quantity/ Duration	Rate	Total
1.	Web Space for URL (Universal Resource Locator)	10 years	12000.00/ year	120000.00
2.	Web Address domain name	10 years	1500.00	15000.00
3.	PVC/Aluminium Tags	2500	100.00	250000.00
4.	Metal cable tie (self ball locking)stainless steal	5000	20.00	100000.00
5.	Weather Proof QR codes and NFClabels	2500	100.00	250000.00
6.	NFC tag writer	01	20000.00	20000.00
7.	QR code printer	01	20000.00	20000.00
8.	Miscellaneous expenditure (Labour, Printing, Screws, Springs etc.)			35000.00
	<b>Grand Total</b>			<b>810000.00</b>

