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MAHARAJA RANJIT SINGH COLLEGE OF PROFESSIONAL SCIENCES,  
INDORE

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PROJECT ON BIODIVERSITY





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## GENERAL DETAILS

Name of place --- Maharaja Ranjit Singh College of Professional Sciences, Indore

District --- Indore

State--- Madhya Pradesh

Habitat and Topography --- 630m above from sea level, 22 40'44" N and 75 52'52" E

Climate (Rainfall, Temperature and other Weather patterns) Maximum 44°C and Minimum 6°C).

---- April 8<sup>th</sup> 2021



5.	Amrood	<i>Psidium guajava</i>	Annually cultivated	Forest and Cultivated land	Both	Whole fruit, bark, leaves	Seasonal fruit, fresh leaves are used in gum diseases.	3
6.	Pipal	<i>Ficus religiosa</i>	Evergreen	Forest and Cultivated land	Both	Whole fruit, bark, leaves	Leaves are used to perform traditional rituals.	6
7.	Neem	<i>Azadirachta indica</i>	Evergreen	Forest and Cultivated land	Both	Leaves ,stem , fruits , gum	Aseptic properties used in many medicines.	15
8.	Bargad	<i>Ficus benghalensis</i>	Evergreen	Forest and Cultivated land	Both	Leaves , fruits	Seasonal fruits , leaves are used in many traditional rituals .	1
9.	Babool	<i>Vachellia nilotica</i>	Evergreen	Forest and Cultivated land	Both	Wood, gum, bark, stem	Used mainly for the extraction of gum and making of teeth cleaning chewing sticks .	2
10.	Sitafal	<i>Annona reticulata</i>	Annually cultivated	Forest and Cultivated land	Both	Fruit	Seasonal fruit	1

11.	Palash	<i>Butea monosperma</i>	Annual flowering	Forest and Cultivated land	Own	Whole fruit, bark, leaves Leaves, flowers, bark, seeds	Seeds, bark and leaves powder used in medicine due to its antioxidant properties,.	2
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**MANGO**



**JAMUN TREE**



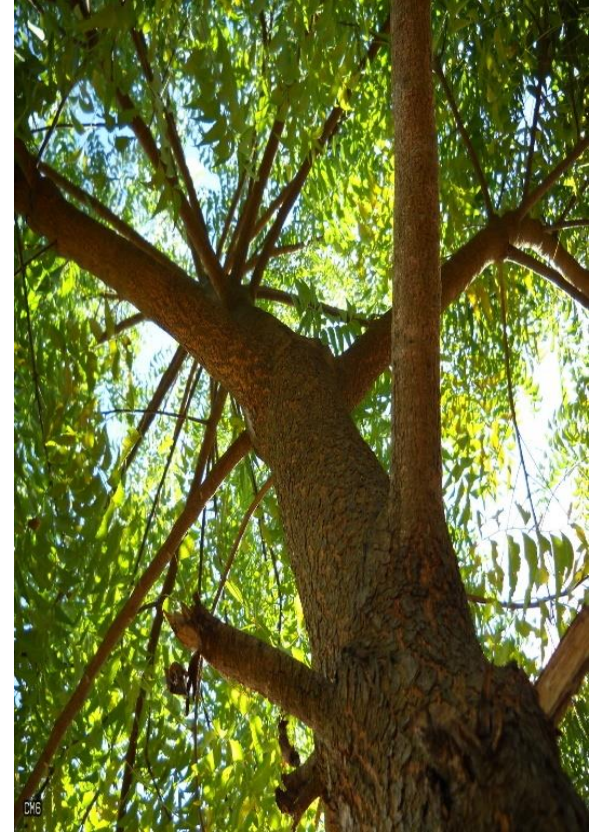
**ASHOKA TREE**



**AMLA TREE**



**AMROOD TREE**



**NEEM TREE**





**BARGAD TREE**



**BABOOL TREE**



**SITAFAL TREE**



**PALASH TREE**

## 1.2 Shrubs

S.NO.	Local Name	Botanical Name	Habit	Habitat	Commercial use / own use	Part collected	Other details	No. of plants
1.	Madar (Giant calotrope aak)	<i>Calorropis gigantea</i>	Evergreen	Forest and Cultivated land	Medicinal	Leaves, stem, roots	Leaves are used in external injuries and the latex as poison.	4
2.	Karonda	<i>Carissa carandas</i>	Evergreen	Forest and Cultivated land	Medicinal	Fruit	Used in several diseases as well as a meal.	1
3.	Sadabahar	<i>Catharanthus roseus</i>	Evergreen	Forest and Cultivated land	Medicinal	Flower, leaf, root	Leaf and fruit juice is used in cancer and diabetes.	16
4.	Jangli pudina	<i>Mentha arvensis</i>	Annually cultivated	Forest and Cultivated land	Medicinal	Leaves, stem	Used as medicine in Ayurveda.	1



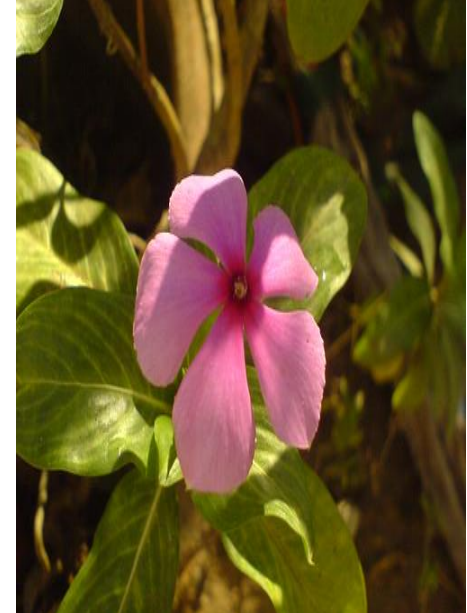
**KARONDA**



**AAK**



**SADABAHAR**



**SADABAHAR**

### 1.3 Herbs

S.NO.	Local Name	Botanical Name	Habit	Habitat	Commercial use / own use	Part collected	Other details	No. of plants
1.	Anar	<i>Punica granatum</i>	Annually cultivated	Forest and cultivated land	Medicinal	Fruit, stem, root	Seasonal fruit, haematinic fruit	3
2.	Lemon	<i>Citrus limon</i>	Annually cultivated	Forest and cultivated land	Medicinal	Fruit	Rich source of Vit.C	1
3.	Chikoo	<i>Manilkara zapota</i>	Annually cultivated	Forest and cultivated land	Seasonal fruit	Fruit	Seasonal fruit	2
4.	Papita	<i>Carica papaya</i>	Annually cultivated	Forest and cultivated land	Medicinal	Fruit	Seasonal fruit	5
5.	Tulsi	<i>Ocimum tenuiflorum</i>	Annually cultivated	Forest and cultivated land	Medicinal	Whole	Religious plant, used in many ayurvedic medicines.	7



**ANAR**



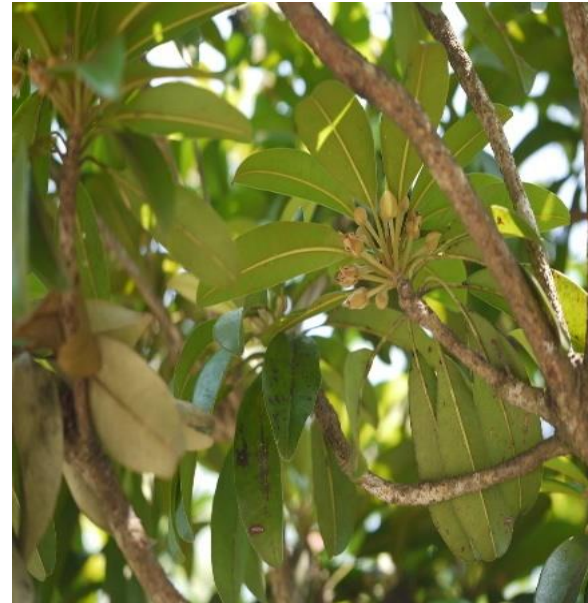
**NIMBU**



**PAPITA**



**TULSI**



**CHIKOO**

### 1.4 Grasses

S.NO.	Local Name	Botanical Name	Habit	Habitat	Commercial use / own use	Part collected	No. of plants
1.	Druva	<i>Cynodont dactylon</i>	Annual crop	Forest and cultivated land	Commercial use	Whole	-
2.	Parthenium	<i>Parthenium hysterophorus</i>	Annual crop	Forest and cultivated land	Commercial use	Whole	-
3.	Coco grass	<i>Cyperus rotundus</i>	Annual crop	Forest and cultivated land	Commercial use	Whole	-
4.	Khariya	<i>Dichanthium annulatum</i>	Annual crop	Forest and cultivated land	Commercial use	Whole	-



## 1.5 Climbers

S.NO.	Local Name	Botanical Name	Habit	Habitat	Commercial use / own use	Part collected	Other	No. of plants
1.	Amar bel	<i>Cuscuta reflexa</i>	Parasite	Forest and cultivated land	Medicinal	Plant	Mainly parasite on tree , and in medicine in ayurveda.	1
2.	Money plant (Devil's ivy)	<i>Epipremnum aureum</i>	Annually cultivated	Forest and cultivated land	Ornamental	Plant	Ornaments plant	2



**MONEY PLANT**



**AMAR BEL**



### 1.6 Medicinal important plant

S.NO.	Local Name	Botanical Name	Plant type	Habitat	Commercial use / own use	Part collected	Other details	No. of plants
1.	Tulsi	<i>Ocimum tenuiflorum</i>	Herb	Forest and cultivated land	Medicinal	Whole	Medicinal plant	7
2.	Aloe vera	<i>Aloe barbadensis</i>	Herb	Forest and cultivated land	Medicinal	Whole	Medicinal plant	2
3.	Amla	<i>Phyllanthus emblica</i>	Tree	Forest and cultivated land	Medicinal	Whole	Medicinal plant	1
4.	Pudina	<i>L. mentha</i>	Shrub	Forest and cultivated land	Medicinal	Whole	Medicinal plant	1
5.	Neem	<i>Azadirachta indica</i>	Tree	Forest and cultivated land	Medicinal	Whole	Medicinal plant	15
6.	Mithi neem	<i>Murraya koenigii</i>	Tree	Forest and cultivated land	Medicinal	Whole	Medicinal plant	7



**TULSI**



**PUDINA**



**AMLA**



**ALOE VERA**

## 1.7 Plants with Economic Importance

S.NO.	Local Name	Botanical Name	Habit	Habitat	Commercial use / own use	Part collected	Other details	No. of plants
1.	Jamun	<i>Rubus</i>	Annually cultivated	Forest and Cultivated land	Both	Fruit	Seasonal fruit	3
2.	Sitafal	<i>Anona squamosa</i>	Annually cultivated	Forest and Cultivated land	Both	Fruit	Seasonal fruit	1



**JAMUN**



**SITAFAL**

## 1.8 Weeds

S.NO.	Local Name	Botanical Name	Habit	Habitat	Commercial use / own use	Part collected	No. of plants
1.	Gajarghas	<i>Parthenium hysterophorus</i>	Annual crop	Forest and cultivated land	Both	Whole	-
2.	Badi dudhi	<i>Euphorbia hira</i>	Annual crop	Wild	Both	Whole	-
3.	Choti dudhi	<i>Euphorbia</i>	Annual crop	Wild	Both	Whole	-



### 1.9 Fruit plants

S.NO.	Local Name	Botanical Name	Habit	Habitat	Commercial use / own use	Part collected	Other details	No. of plants
1.	Lemon	<i>Citrus limon</i>	Annually cultivated	Forest and cultivated land	Medicinal	Fruit	Rich source of Vit.C	1
2.	Chikoo	<i>Manilkara zapota</i>	Annually cultivated	Forest and cultivated land	Seasonal fruit	Fruit	Seasonal fruit	2
3.	Anar	<i>Punica granatum</i>	Annually cultivated	Forest and cultivated land	Medicinal	Fruit, stem, root	Seasonal fruit, haematinic fruit	2
4.	Aam	<i>Mangifera indica</i>	Annually cultivated	Forest and Cultivated land	Both	Fruit	Seasonal fruit	26



**LEMON**



**CHIKOO**



**ANAR**



**MANGO**

### 1.10 Vegetable Plants

S.NO.	Local Name	Botanical Name	Habit	Habitat	Commercial use / own use	Part collected	Other details	No. of plants
1.	Lemon	<i>Citrus limon</i>	Annually cultivated	Forest and cultivated land	Medicinal	Fruit	Rich source of Vit.C	1
2.	Coriander	<i>Coriandrum sativum</i>	Annually cultivated	Cultivated land	Vegetable	Seeds , leaves	Used as food.	-



**CORIANDER**

### 1.11 Flower Plants

S.NO.	Local Name	Botanical Name	Habitat	Commercial use / own use	Plant type	No. of plants
1.	Rose	<i>Rosa Mister Lincoln</i>	Cultivated	Both	Flower	6
2.	Mogra	<i>Arabian jasmine</i>	Cultivated	Both	Flower	4
3.	Chandni	<i>Crepe jasmine</i>	Cultivated	Both	Flower	20
4.	Devil's backbone	<i>Euphorbia tithymaloides</i>	Cultivated	Both	Flower	2
5.	Witch hazel	<i>Hamamelis virginiana L.</i>	Cultivated	Both	Flower	6
6.	Olender	<i>Nerium oleander</i>	Cultivated	Both	Flower	1
7.	Red Hibiscus	<i>Hibiscus sabdariffa</i>	Cultivated	Both	Flower	200
8.	White Hibiscus	<i>Hibiscus rosa-sinensis</i>	Cultivated	Both	Flower	1



9.	Bougainvillea	<i>Bougainvillea glabra</i>	Cultivated	Both	Flower	8
10.	Jasmine	<i>Jasminum oleaceae</i>	Cultivated	Both	Flower	2
11.	Ixora dwarf	<i>Ixora coccinea</i>	Cultivated	Both	Flower	8
12.	Jatropha	<i>Jatropha curcas</i>	Cultivated	Both	Flower	4
13.	Chandni	<i>Tabernaemontana divaricata</i>	Cultivated	Both	Flower	10
14.	Kaner	<i>Cascabela thevetia</i>	Cultivated	Both	Flower	3
15.	Butterfly bush	<i>Callistemon lanceolatus</i>	Cultivated	Both	Flower	4



**ROSE**



**MOGRA**



**CHANDNI**



**DEVIL'S BACKBONE**



**WITCH HAZEL**



**OLEANDER**



**HIBISCUS**



**BOUGANVILLEA**



**JASMINE**



**JATROPHA**



**IXORA DWARF**



**CHANDNI**



**KANER**



**BUTTERFLY BUSH**

### 1.12 Ornamental Plants

S.NO.	Local Name	Botanical Name	Habit	Habitat	Commercial use / own use	Part collected	Other details	No. of plants
1.	Money plant (Devil's ivy)	<i>Epipremnum aureum</i>	Annually cultivated	Forest and cultivated land	Ornamental	Plant	Ornamental plant	3
2.	Ashok	<i>Saraca asoca</i>	Annually cultivated	Forest and Cultivated land	Both	Whole leaves , bark	Ornamental plant	79
3.	Rangoon creeper	<i>Combretum indicum</i>	Annually cultivated	Forest and Cultivated land	Both	Plant	Ornamental plant	8
4.	Palm	<i>Hyophorbe lagenjaculis</i>	Annually cultivated	Forest and Cultivated land	Ornamental	Plant	Ornamental plant	40
5.	Eucalyptus	<i>Eucalyptus globulus Labill</i>	Annually cultivated	Forest and cultivated land	Both	Plant	Ornamental plant	35
6.	Shisham	<i>Indiana rosewood</i>	Annually cultivated	Forest and Cultivated land	Both	Plant	Ornamental plant	20

7.	Bottle brush	<i>Callistemon lanceolatus</i>	Annually cultivated	Forest and Cultivated land	Both	Plant	Ornamental plant	3
8.	Amaltas	<i>Cassia fistula</i>	Annually cultivated	Forest and Cultivated land	Both	Plant	Ornamental plant	2



AMALTAS



SHISHAM



**EUKALYPTUS**



**PALM**



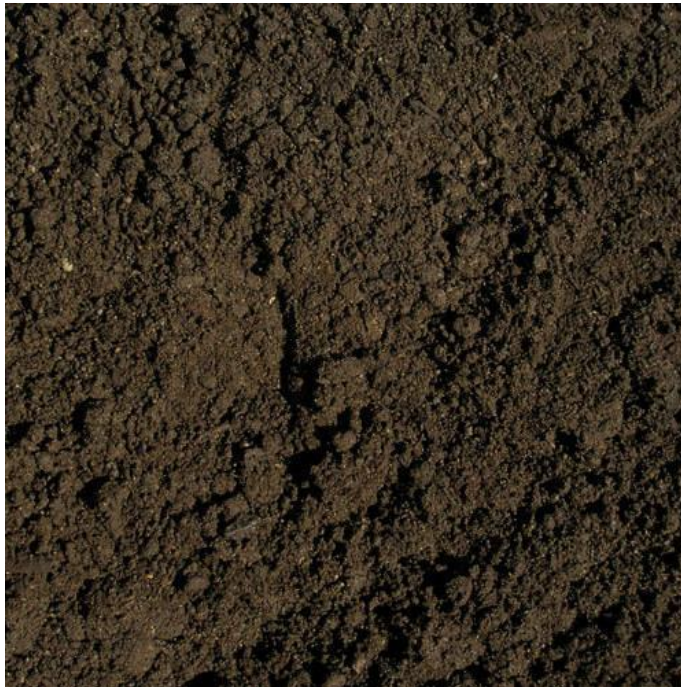
**RANGOON CREEPER**



**BOTTLE BRUSH**

## 2. Soil Type

Soil type	Colour and Texture	Soil management	Other details
Black soil	Brownish black soil	Managed by manure and fertilizer.	Suitable for all soil types



**BLACK SOIL**

### 3. Aves

S.NO.	Bird Type	Local Name	Scientific Name	Breed (Local / Hybrid)
1.	Indian Parrot	Tota	<i>Psittacula eupatria</i>	Local
2.	Pigeon	Kabutar	<i>Columba livia</i>	Local
3.	Grey Francolin	Chidiya	<i>Francolinus pondicerianus</i>	Local
4.	Grey headed Myna	Myna	<i>Sturine malabarica</i>	Local
5.	Owl	Ullu	<i>Bubo bengalensis</i>	Local
6.	Indian roller	Chidiya	<i>Coracias benfhalensis</i>	Local
7.	House sparrow	Chidiya	<i>Passer domesticu</i>	Local
8.	Crow	Kauwa	<i>Corvus splendens</i>	Local





**PARROT**



**PIGEON**



**SPARROW**



**GREY HEADED MYNA**

## 4. Reptiles

S.NO.	Reptile Type	Local Name	Scientific Name	Breed (Local /Hybrid)
1.	Frog	Mendak	<i>Rana temporaria</i>	Local
2.	Snake	Saanp	<i>Serpentes</i>	Local
3.	Snail	Ghonga	<i>Gastropoda</i>	Local



FROG



SNAIL



SNAKE

#### 4. Insects

S.NO.	Insect Type	Local Name	Scientific Name	Breed (Local / Hybrid)
1.	Spider	Makdi	<i>Araneae</i>	Local
2.	Insects	Keede	<i>Insecta</i>	Local
3.	Butterfly	Titli	<i>Rhopalocera</i>	Local



BEETLE



BEETLE



COCKROACH



SPIDER



**BUTTERFLY**



**SPIDER**

## 5. Other Animals

S.NO.	Animal Type	Local Name	Scientific Name	Breed (Local / Hybrid)
1.	Cat	Billi	<i>Felis catus</i>	Local



CAT