

DRAFT FINAL REPORT ON

MEDICINAL PLANTS CONSERVATION AREA (MPCA), KANKRAJHORE



Submitted to
Principal Chief Conservator of Forests (PCCF)
Research, Monitoring & Development
Directorate of Forests, Government of West Bengal

Submitted by
Regional Centre, NAEB
Jadavpur University, Kolkata

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INTRODUCTION

India has one of the richest, medicinal plant related, health cultures in the world. It has a codified and an oral tradition with over 1.5 million carriers of this tradition. The oral culture has traditionally been rooted in the 4635 ethnic communities in the country. This tradition in India is largely due to the diverse medicinal plants resource base, cultural rootedness, flexibility, easy accessibility and affordability, especially for the poorest. Government of India has reported that for 65% of its population, traditional medicine is the only available source of health care (Planning Commission, Government of India, 2001). Over 1,00,000 herbal formulations are used for a wide range of health condition by both the local health cultures and the codified system of medicine (Singh, et. al., 2008).

Across various ecosystems, local communities know the use of around 8000 species (2000 spp. in Unani, Tibetan ,Siddha etc., 1800 spp. in Ayurvedic system, 500 in Homoeopathy, 4700 in Folk) out of 17,564 plants identified for human, veterinary and plant health care. These medicinal plants are distributed across all biogeographic regions, vegetation types and landscape elements in the country from the Trans Himalaya down to the coast (UNDP, 2003).

The rising trend in demand of herbal products, there is a possibility of an increasing tendency of indiscriminate and unrecorded removal of medicinal plants from forests and therefore the medicinal plants need to be conserved in places of their natural occurrence.

Medicinal plants are not only a major resource base for the traditional medicine and herbal industry but also provide livelihood and health security to a large segment of Indian population. Micro-level studies indicate that significant savings are made in family health expenditure on account of the use of locally available plants for human and livestock health care. This saving of millions of households if translated in money terms constitutes an enormous economic benefit to the local communities.

There are around 9,000 registered and licensed manufacturers of traditional medicines in the country. About 95% of them are in the cottage and small-scale sector and rest five percent in the small and medium scale range. The domestic trade of the 'Ayurveda, Yoga & Naturopathy, Unani, Siddha & Homeopathy' (AYUSH) industry is of the order of Rs. 80 to 90 billion (1US\$ = Rs.50). The Indian medicinal plants and their products also account for exports in the range of Rs. 10 billion (Department of AYUSH, 2007).

The economic potential of this sector both in terms of use values and market values is very promising. The dramatic growth of Complementary and Alternative Medicines (CAM) in the West is evidence of this which is due to concerns about the adverse effects of chemical drugs and greater public access to health information. Here the challenge lies in ensuring that the majority of the market benefits are equitably shared with the rural poor and tribal

communities who have been the conservators of both the natural resources as well as the traditional knowledge.

The National Medicinal Plants Board (NMPB) set-up in November 2002 by the Government of India has the primary mandate of coordinating all matters relating to medicinal plants and support policies and programmes for growth of trade, export, conservation and cultivation. The Board is located in the Department of AYUSH, which is now under Ministry of AYUSH.

The Ministry of AYUSH was formed on 9th November 2014 to ensure the optimal development and propagation of AYUSH systems of health care. Earlier it was known as the Department of Indian System of Medicine and Homeopathy (ISM&H) which was created in March 1995 and renamed as Department of Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homoeopathy (AYUSH) in November 2003, with focused attention for development of Education and Research in Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homoeopathy.

The National Biodiversity Strategy and Action Plan (NBSAP), Govt. of India (November 2008), supported by the MoEF&CC and UNDP, has underlined the need for both *in situ* and *ex situ* conservation of medicinal plant resources given their enormous social, cultural and economic role and potential.

Threatened Species Policies: The MoEF&CC is required under The Biodiversity Act (2002), to set up an effective mechanism for identifying and notifying “threatened taxa” and to regulate access and trade in threatened species.

In these general, economic and policy context, a multi-component, multi-stakeholder and multi-disciplinary project, titled “National Program on Promoting Conservation of Medicinal Plants and Traditional Knowledge for Enhancing Health and Livelihood Security” was implemented from 2006-07. The project was approved by the Ministry of Environment, Forests & Climate Change (MoEF&CC), Government of India with the financial assistance from UNDP. While MoEF&CC is the Executing agency, FRLHT was responsible for the technical coordination. The project had a geographical coverage across 9 states: Orissa, Madhya Pradesh, **West Bengal**, Rajasthan, Karnataka, Tamil Nadu, Kerala, Andhra Pradesh and Maharashtra.

For *in-situ* conservation it is important to explore medicinal plant rich areas and declare them as Medicinal Plants Conservation Areas (MPCAs). At present there are 108 MPCAs that have been established and working efficiently. Outcome of these MPCAs have been found to be encouraging and there is need for their expansion of MPCAs. To sustain the MPCAs, it will be necessary to promote and conserve the adjacent areas also. In MPCAs, wild

populations of selected species should be monitored, and threatened species should be restored. Furthermore, the protected areas should be free from invasive species. Finally legal backing for MPCAs will be needed if these were to serve as the main repositories of medicinal plants in the wild.

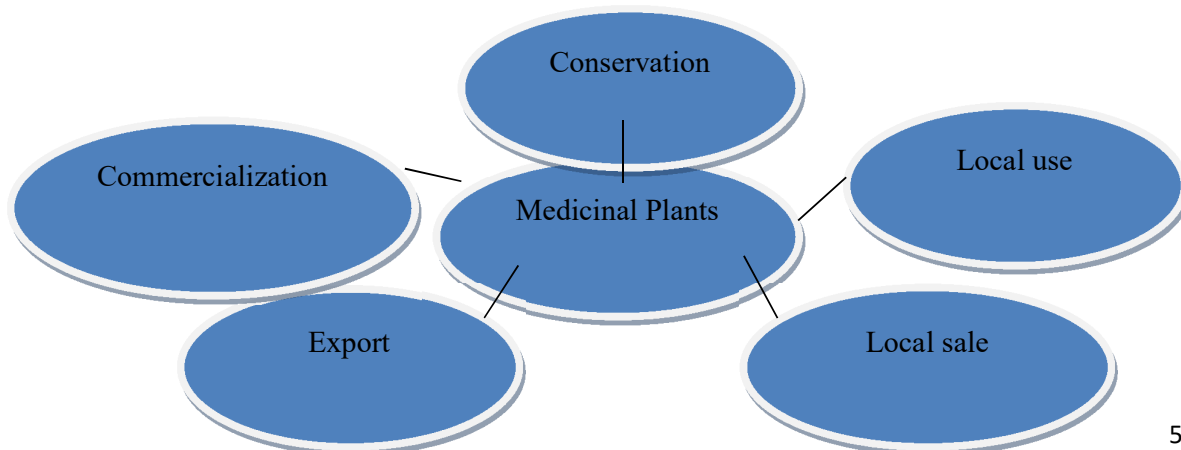
From the learning of earlier MPCAs, NMPB is exploring the new areas for establishment of new MPCAs. As part of the venture, West Bengal is also promoting another 7 MPCAs in addition to earlier 7 MPCAs.

The Kankrajhore MPCA is one of the 7 newly created MPCAs in West Bengal which is located in Amjharna and Mayurjharna Mouza of Binpur-II Block of West Midnapore district (presently under newly constructed district 'Jhargram').

According to National Medicinal Plants Board (2008), Indian forests are an important source of medicinal plants used in various traditional and modern medical systems. Forests are the main habitat of Medicinal Plants and a large number of species are also endemic which provides India a unique position in the world. Medicinal Plants form the major resource base of our traditional systems of medicine or AYUSH systems of medicines, folklore medicines etc. The various tribal communities of various districts of the country use these plant parts for curing several wounds like cuts, burns, abrasion and ulcers etc. in their daily life. Discovery of antibiotics is developing slowly in recent past because of the lack of cures for chronic diseases and side effects. Thus, a search is made to seek alternative medicine. Even in allopathic system, plant based raw materials are used for the preparation of medicine. However, due to various anthropogenic activities and unsustainable harvesting from wild habitat, many Medicinal Plants species in India have become endangered and have been included in Red Data Book of threatened species.

The Conservation and Sustainable Utilization of Medicinal Plants is a project of the National Medicinal Plant Board, Government of India executed by the Research Circle, Directorate of Forests, West Bengal.

Medicinal Plants Conservation Strategy



The value of medicinal plants

Medicinal plants play an important role in supporting healthcare in India. According to the World Health Organization (WHO), 80% of the rural population in developing countries utilizes locally available medicinal plants for their primary healthcare. About 8000 species of medicinal plants are in current use by local communities all over India. About 90% of the country's medicinal plants are found in forest habitats. Only 10% of the medicinal plants are distributed among other landscape elements like open grasslands, agricultural pastures and in and around fresh water bodies, etc. There is consequently an urgent need to conserve the wild populations of medicinal plant diversity in prioritized forest regions of India.

It may be noted that India is one amongst those nations, which possess a historical track record of having made a significant global contribution by virtue of its traditional knowledge of the properties of plants. In the 21st century, given the global resurgence of the consumer interest in natural products, India's rich medicinal plant heritage of 8000 species and an estimated 40,000 herbal formulations, if conserved and sustainably utilized, certainly has global relevance. For India's own health needs, conservation of herbal medicinal plants will contribute to self reliance of millions on primary healthcare.

The demand for medicinal plants is growing over the world. In 1947, the annual turnover of the herbal industry was Rs. 2,000 million. The Indian herbal industry's annual turnover is expected to touch Rs. 80,000 million by the end of 2025. India supplies 12% of the world's requirements of medicinal plants. Today, 90% of the medicinal plants consumed domestically and exported are collected from the wild, and only 70 out of around 700 species in the trade are obtained purely from cultivated sources.

In the past decade people used plants to cure their ailments by the form of infusion, decoction, poultice, powder or other form directly or in the form of paste along with boiled water, lime and turmeric. This practice is going on in the rural areas of Indian villages, where the people staying in forested areas and in remote villages which are far from the civilized or modern market. Not only that, other reason is that they are financially weak; therefore they cannot purchase all the available modern medicine from daily market. After all, the modern medicines have their side effects, therefore, scientists suggested using the traditional system which are employed in rural areas since time immemorial. People have their own land, so that they can easily cultivate, regenerate or sale all the usable medicinal plants in their own garden. Therefore, indigenous system of medicine practiced in India is based mainly on the use of plants.

History

In southern part of West Bengal, history of forest and its management can be traced to the 16th century when forests are free for use by local villagers for household purposes and cleaning for cultivation. During the Mughal period under land revenue system which was introduced by Todar Mal, local Zaminder had to pay "Ruba" or ¼th share of revenue to

Mughal Emperors for the protection being given by them. During 1890-1905 Bengal-Nagpur Railways opened railway lines and this was followed by two world wars that took a heavy toll of forest resources. The forests of this division are included in Jungle Mahal which was held by Zamindars who maintained their respective forests in a feudal tenure system. With the coming up of Bengal-Nagpur Railway lines from Kharagpur to Jamshedpur via Jhargram, the forests of this area became accessible. The value of forest produces suddenly increased as they can be transported to far off places by rail with less cost and in quick time.

Process for Preparing the Action Plan

In particular the following action plans are being attempted:

- a) **Public Hearings** in selected villages and towns seeking inputs from farmers, traditional health practitioners and other communities through practice locally.
- b) **Consultation** with various political decision makers at various levels by common discussion.
- c) **Inputs** from a range of expert and experienced individuals and organizations working on medicinal plants including Scientists, Scholars, Traditional health practitioners, Social workers, Academicians, Students, Teachers, Industrialists, Cultural leaders etc. by a group discussion or through a channel after common discussion.

OBJECTIVES

The main objectives of this assignment are:

- Survey and demarcation of the proposed MPCA area with application of GIS & remote sensing
- Floristic inventorisation including Collection and preparation of herbarium
- Biodiversity assessment, estimation of carbon stock and carbon sequestration measurement of major species
- Preparation of reports, management plan, leaflets etc.

GENERAL INFORMATION OF KANKRAJHORE MPCA

01.	<i>Name of the site</i>	Kankrajhore MPCA
02.	<i>Legal Status</i>	MPCA
03.	<i>Area</i>	300 ha
04.	<i>Division</i>	Jhargram Forest Division
05.	<i>Sub-Division</i>	Binpur
06.	<i>Forest Range</i>	Bhulabheda
07.	<i>Section</i>	Banspahari
08.	<i>Block</i>	Belpahari
09.	<i>Compartment</i>	JL no. 24
10.	<i>Beat</i>	Belpahari
11.	<i>Latitude</i>	22°42'57.05"
12.	<i>Longitude</i>	86°34'58.02"
13.	<i>Altitude</i>	200 - 300 m

Approach Information

	Approach Information	Name of the place	Distance from Kankrajhore MPCA
01.	<i>Approach by Road</i>	Belpahari	26 km
02.	<i>Approach by Train</i>	Jhargram station	64 km
03.	<i>Approach by Train</i>	Ghatsila (Jharkhand)	25 km

Nearest Town	Name of the place	Distance from Kankrajhore MPCA
<i>Town 1</i>	Belpahari	26 km
<i>Town 2</i>	Jhargram	64 km
<i>Town 3</i>	Midnapore	95 km
<i>Town 4</i>	Ghatsila (Jharkhand)	25 km
<i>Village 1</i>	Amlasole	2 km
<i>Village 2</i>	Kankrajhore	2.5 km
<i>Village 3</i>	Mayurjharna	3.5 km
<i>Village 4</i>	Bagdoba	3 km

TECHNICAL DESCRIPTION OF THE MPCA

Major Components of Forest	
<i>Forest Types</i>	Deciduous forest
<i>Top Storey</i>	Sal, Kendu, Mouha, Piyasal, Kurchi, Asan, Podasi, Baichi, Piyal, Velai, Dhaw, Raktaraheda, Petari, Tilai, Putula, etc.
<i>Middle & Urban storey</i>	
<i>Shrubs/Herbs</i>	Bonkaps, Bonkhejur, Orthosiphon, Woodfordia, Helicteres, Grewia, Rungia, Blumea, Vicoa, Lepidagathes, Canscora, Hybenthus, Byttneria, Bonhalud, Nilkantho, Eulophia, etc.
<i>Climbers</i>	Kumarika, Anantamool, Lygodium, Marsdenia, Latanopalash, Latanokanchan, Iswarmool, etc.

<i>Crown Density</i>	Medium
<i>Age structure of dominant species</i>	Natural species
<i>Presence of leaf litter/fallen trees</i>	Moderate
<i>Status of Regeneration</i>	Profuse
<i>Any Plant disease</i>	Not noticed
<i>Presence of weeds</i>	
<i>Status of Erosion</i>	
<i>Wild Life Status in the Area</i>	Snakes, Elephant, Wild bear, Birds, Leopard, Peacock etc.
<i>Rights and Concessions</i>	
<i>Disturbance in the Site</i>	
<i>Fuel wood collection</i>	
<i>Collection of Non-Wood Forest Product</i>	
<i>Availability of adjoining forest for grazing etc.</i>	
<i>Visitors, Tourists, through fair for local people etc.</i>	
<i>Dependence on forests</i>	

Protection against grazing or any other human interference in MPCA:

The target MPCA Site mostly ventured by local Forest dwellers for their collection of fuel wood, NTFPs etc. and it is fact, that the MPCA site is not free from grazing and other biotic interference like illicit felling etc.

Awareness meeting regarding rotational grazing as well as discarding of unproductive cattle and raring of high yielding mulching cow followed by stall feeding, illicit felling are the major issues are being discussed in the process of interaction with the FPC members adjoining to the MPCA with an objective to protect the MPCA from grazing and other human interference etc.

Criteria for selection of MPCA with its Biological Potential:

The particular MPCA has been established considering its natural diversity, visual richness of population and some other following criteria:-

- (a) The area is having a varied diversity of vegetation with some known plant species having proven medicinal value.
- (b) The area is relatively undisturbed and has a reasonable accessibility.
- (c) The vegetation cover of the areas is representative of forest/vegetation type.
- (d) The area is traditionally known for its medicinal plant richness.
- (e) The area is selected as a compact block under Biodiversity conservation and plain timber working circle in territorial and wild life areas that no felling operations are allowed even in future also. Therefore, the MPCA Site, selected /established can be conserved with proper future strategy.

The MPCA has tremendous potential particularly in terms of its species richness, population density etc. Therefore, it is too early to make any comments on population status of any specific target/ flagship species, because of floristic inventorization activities are in progress.

FACTORS CAUSING LOSS OF MEDICINAL PLANTS

Among the threats to the indigenous medicinal plants of the present project site, the most important anthropogenic, deforestation, cattle grazing, timber and fuel wood cutting, soil erosion, fire and the invasive species. The prospective conservation of such unmatched scenic beauty of the floristic composition as well as herbal wealth of the present study area is essential and also it is a home for lot of endemic plants are endangered animals which help in maintaining genetic diversity.

CONCEPT AND PRINCIPLE

While applying the concept of biodiversity to a forest ecosystem, we naturally take into consideration both richness and evenness. In the present study, the focus of measurement is species diversity, as the species are easily verifiable and the most common taxonomic unit in the ecosystem. As it is not feasible to count all the groups of organisms that a forest ecosystem contains, for the sake of convenience, scope of the study has been further restricted to plant community, and within the said community, to four specified vegetation layers, namely, trees, shrubs, herbs and climbers / lianas.

STUDY AREA

The area was already opted for establishment of Medicinal Plants Conservation Area (MPCA) by the West Bengal State Forest Department under the "National Programme on promoting conservation of Medicinal Plants and traditional knowledge for enhancing the Health and Livelihood Security". MPCA have been suggested to be managed as "hands off" area with certain interventions to encourage identification, preservation, natural regeneration, monitoring etc. by involving Forest Protection Committee (FPC) members through awareness and confidence building exercises.

West Medinipur is one of the South-western most districts of West Bengal, bordering Jharkhand and Orissa states in the Western and South-western part respectively. The district lies between 22°57'10" - 21°36'35" North latitudes and 88°12'40" - 89°33'50" East longitudes. The elevation above mean sea level is 170 m (Pandit and Bhakat, 2009).

The major river flows along the district are Kangsabati, Subarnarekha and Silabati. Annual average rainfall is 1390 mm. May-June are the hottest months and December-January the coldest. During summer maximum temperature reaches up to 45°C and during winter temperature may drop to 4°C at night. Maximum relative humidity is around 95% during rainy season. The soil is red lateritic type (Pandit and Bhakat, 2009).

The total area of the district is 9,786 km² having 4 sub-divisions, 27 civil blocks, 29 police stations, 7,580 villages and a total population of 59,13,457 with population density of 636 per km² (Anon., 2011) and percentage of scheduled castes and scheduled tribes population is 18 and 15 respectively (Anon., 2005). Agriculture is the main occupation of the tribal

people who are largely dependent on forest-based resource for their livelihood as the people live mostly (99%) in rural areas (Pandit and Bhakat, 2009).

Total forest area in respect to geographical area of the district is approximately 18 percent. The district is characterized by lateritic plains and hillocks clothed with mixed and dry deciduous forest rich in bio-diversity. The forest type is Northern Tropical Dry Deciduous Forests where *Shorea robusta* (Sal) is predominant species. Other species found are *Madhuca indica* (Mahua), *Diospyros melanoxylon* (Kend), *Soymida febrifuga* (Rahara), *Terminalia arjuna* (Arjun), *T. bellerica* (Baheera), *T. tonmentosa* (Asan), *T. chebula* (Haritaki), *Schleichera oleosa* (Kusum), *Buchanania lanzan* (Pial), *Anogeissus latifolia* (Dhaw), *Haldinia cordifolia* (Karam), *Pterocarpus marsupium* (Pia Sal) etc. (Anon., 2001). Most of the Sal bearing areas has more or less medicinal herbs, shrubs and climbers etc. which are naturally regenerated. The species mainly found are *Addrographis paniculata* (Kalmegh), *Asparagus racemosus* (Satmul), *Hemidesmus indicus* (Anantamul), *Dioscorea triphylla* (Chukra-Alu), *Holarrhena pubescens* (Kurchi), *Celastrus paniculatus* (Kujri), *Rauvolfia serpentine* (Sarpghandha) etc. (Anon., 2014).

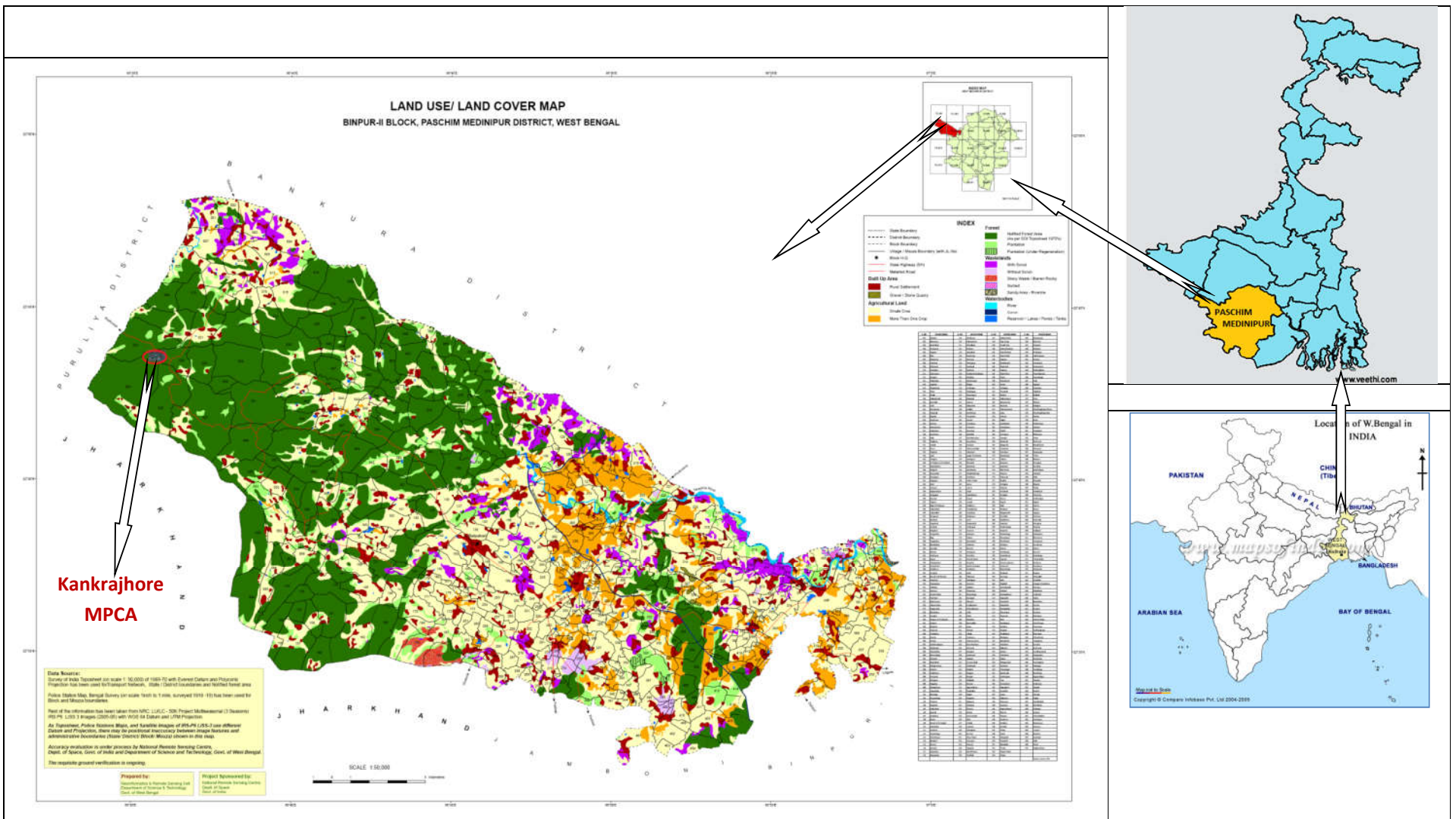


Figure 1: Location Map of Kankrajhore MPCA

METHODOLOGY

Survey & Demarcation

The designated area was delineated by using Geographical Positioning System (GPS) Receiver while walking along the boundary line. The GPS data was then plotted in Google map (through <http://www.earthpoint.us>) and the relevant portion was selected for map preparation of the sites.

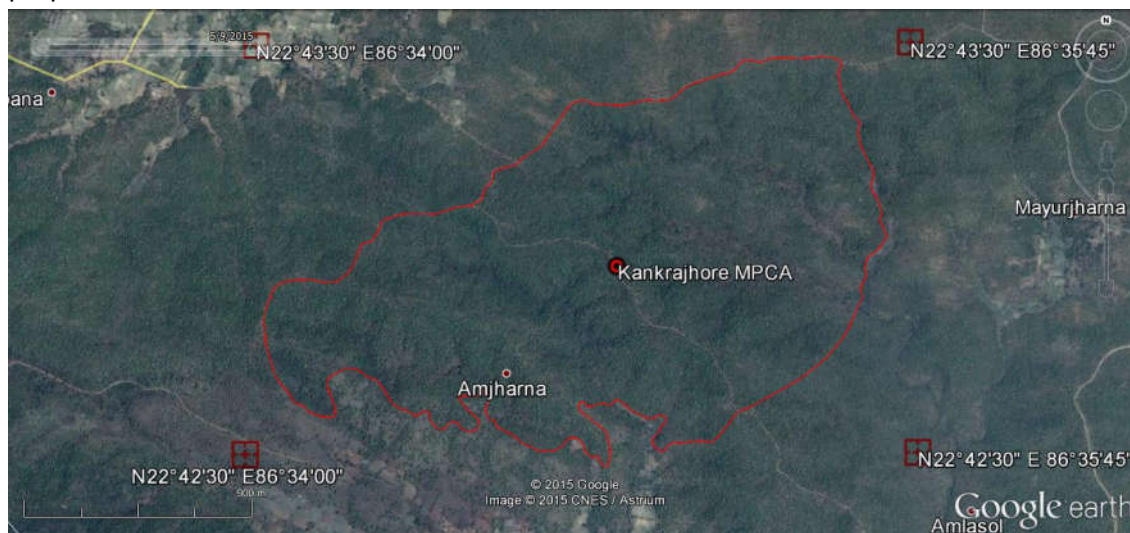


Figure 2: Demarcated area for field enumeration

The study area was found to be approximately 312 ha, and the boundary area is distinguishable by natural boundaries such as road, path, nallah or grass cultivation area.

Measurement of area for field enumeration

Name	Shape Type	Number of Points	Area (Hectares)	Perimeter/Length (Meters)	Centroid/Mid-Point (Deg. Min. Sec.)	Bounding Box Maximum (Deg. Min. Sec.)	Bounding Box Minimum (Deg. Min. Sec.)
Kankrajhore MPCA	Polygon	344	311.7241	9,195.4387	22°42'57.05" 86°34'58.02"	22°43'28.07" 86°35'41.12"	22°42'28.22" 86°34'02.99"

Sampling of the MPCA area

Virtual Grids

The total mapped area was divided by virtual Grids of 200 m apart in both East-West and North-South direction. The resultant squares of 40,000 sq.m. area i.e. 4 ha each were considered as sampling points.

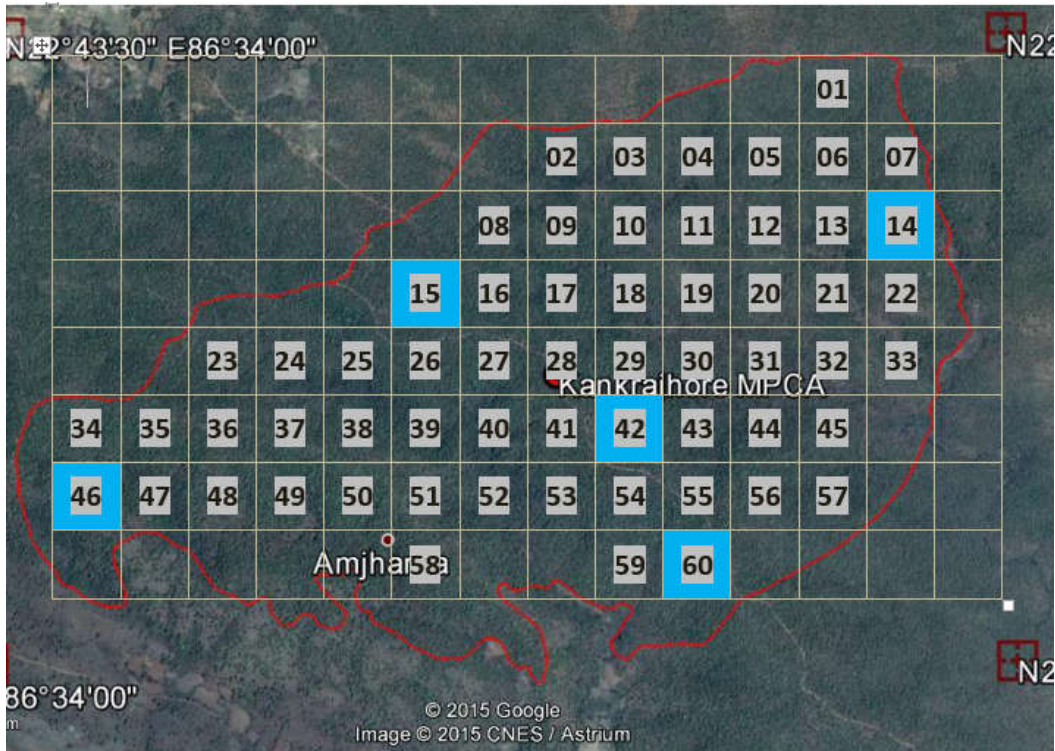


Figure 3: Layout of Sample plots

- a. Numbering blocks - 200mX200m grid alignment
- b. Coloured blocks are the sampling grids

Fig.-2: Grids (200 m apart) of study area

Drawing SAC and Finding Optimum Quadrats (R. S Ambasht, 1990)

For each plot size, averages of the three sets of values for cumulative number of species obtained from the three different areas are calculated and a graph is drawn showing Number of Species along Y axis against Area along X axis. The outcome is SAC curves separate for each layer. From the SACs that are generated, following quadrats are obtained.

Tree Quadrat – $400\text{ m}^2 = 20\text{m} \times 20\text{m}$

Shrub Quadrat – $25\text{ m}^2 = 5\text{m} \times 5\text{m}$

Herb Quadrat – $1\text{ m}^2 = 1\text{m} \times 1\text{m}$

Random stratified sampling is done in 5 grids for the enumeration of different life forms (trees, shrubs, herbs and climbers). Conventional nested quadrats are laid down. A random sampling with nested quadrat is utilized to study the strata of vegetation. Trees and tree saplings above 5 feet in height are classified as trees during the count. The tree and shrub layers are analyzed by quadrat method using the sizes

20m × 20m and 5m × 5m respectively and the herbs were analyzed by 1 × 1 m Quadrat. Basically a nested quadrat is placed having a size of 20m × 20m(for trees) within which 5m × 5m quadrat is placed for analyzing the shrubs within which 1m × 1m quadrat is placed for the study of herbaceous plant. Specimens of the different species are collected, tagged and herbarium prepared for identification. The diagrammatic sampling design for Phyto-sociological analysis has been provided in fig 1.

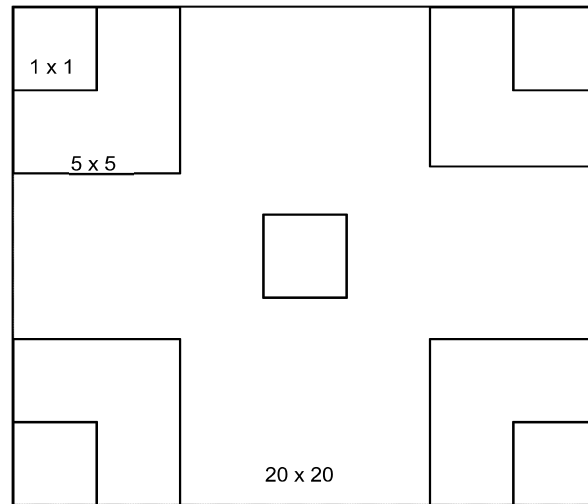


Figure 4: Sampling Design for phyto sociological analysis.

Geocordinates of major sample plots in Kankrajhore MPCA

Sl. No.	Grid No.	Sample Plot No.	Latitude	Longitude
1.	1	1A	22°43'06.896"	86°34'39.603"
2.		1B	22°43'07.560"	86°34'41.973"
3.		1C	22°43'08.111"	86°34'43.593"
4.		1D	22°43'09.470"	86°34'45.121"
5.		1E	22°43'10.495"	86°34'46.843"
6.	2	2A	22°42'50.383"	86°35'06.864"
7.		2B	22°42'51.464"	86°35'07.275"
8.		2C	22°42'52.311"	86°35'08.715"
9.		2D	22°42'54.121"	86°35'11.089"
10.		2E	22°42'55.355"	86°35'13.631"
11.	3	3A	22°42'36.941"	86°35'14.497"
12.		3B	22°42'37.505"	86°35'12.599"
13.		3C	22°42'38.212"	86°35'11.855"
14.		3D	22°42'37.933"	86°35'10.728"
15.		3E	22°42'38.035"	86°35'09.358"
16.	4	4A	22°42'43.192"	86°34'10.460"
17.		4B	22°42'44.831"	86°34'09.797"
18.		4C	22°42'46.269"	86°34'06.054"
19.		4D	22°42'47.644"	86°34'07.069"
20.		4E	22°42'49.198"	86°34'05.785"
21.	5	5A	22°43'13.187"	86°35'29.596"
22.		5B	22°43'13.476"	86°35'27.867"
23.		5C	22°43'12.160"	86°35'27.061"
24.		5D	22°43'12.510"	86°35'25.046"
25.		5E	22°43'11.123"	86°35'24.265"

Phyto-sociological analysis

The data for each life form are recorded in the study area which are divided into five altitudinal zone and are quantitatively analyzed for Density, Relative density, frequency, relative frequency, abundance, relative abundance etc. The importance value index for herbs and shrubs has been calculated through the abundance data according to Samanta and Das (1998), due to lack of sufficient data where importance value is calculated as the sum of relative density and relative frequency. Finally for trees the importance value index (IVI) is calculated according to Philips (1959) and Mishra (1969).

Density

Density is a numerical strength of a species in relation to a unit area. This parameter gives an idea about the dominance and rarity of a species and is also an indicator of the standing biomass and productivity of the region (Ambashat et al., 1995). The percentage of a species with respect to different species in the unit area is called as relative density. They are calculated as:

Density (D) = (Total number of individuals of a species in all the quadrant) / (Total quadrants studied)

Relative Density (RD) = (Density of a Species×100)/ (Sum of the Densities of all the Species)

Frequency

Frequency is the degree of dispersion in terms of percentage occurrence. In a sampling only the names of the species encountered in the different quadrat are listed. Frequency basically gives us an idea how frequent a species is encountered in the area. The frequency percentage of a species with respect to different species in the unit area is called as Relative Frequency.

Frequency (F%) = (Number of quadrants in which the species has occurred ×100)/Total quadrants studied

Relative Frequency (RF) = (Frequency of a Species × 100)/ (Sum of Frequencies of all Species)

Abundance

Abundance is the total number of individual of a species in a sampling area. It basically give us an idea of the occurrence and its common laity of a species in the sampling unit. Relative abundance is the percentage ratio between the abundance of species with that of sum of abundance of all species in the sampling unit.

Abundance (A) = (Number of Individual of a species occurring in all quadrants) / (Number of quadrants in which the species has occurred)

Relative Abundance (RA) = (Abundance of a Species ×100) / (Sum of Abundances of all Species)

Basal area

Basal area implies the area covered by the tree which is basically calculated by taking a measurement at breast height i.e., 1.37 m of a tree trunk above the ground. Basal area indicates the weight, size, volume and provides information regarding the proportion of its dominance in the sampling area. Basal area is calculated as;

$$\text{Basal area (BA)} = (\text{CBH})^2/4\pi$$

CBH: Circumference at Breast height.

Importance value Index (IVI)

The IVI gives an overall picture of a species and its importance in a community. The importance of a species in a community can be obtained by adding the value of relative density, relative dominance and relative frequency.

The IVI is calculated by the following formula

$$\text{IVI} = \text{RF} + \text{RD} + \text{RD (RA)}$$

Diversity indices

Diversity indices serve as important surrogates for measuring Biodiversity (Sarkar and Margules, 2003). A diversity index is a quantitative measure that reflects how many different types (such as species) there are in a dataset, and simultaneously takes into account how evenly the basic entities (such as individuals) are distributed among those types (http://en.wikipedia.org/wiki/Diversity_index). There are numerous indices formulated for diversity study but the commonly followed diversity indices have been adopted.

Species Diversity

It is the effective number of different species that are represented in a collection of individuals. Species richness and species evenness are the two components of species diversity. Shannon-Wiener index (1963), incorporates both the parameter and is one of the most widely used index for measuring species diversity in an ecosystem (Ilorkar and Khatri, 2003). Lower the dominance higher is the diversity.

Shannon–Wiener index (1963)

$$H' = -\sum [n_i/N] \ln(n_i/N)$$

Where 'H' is the index value

'n_i' is the number of individual of a species

'N' is the total number of species in the habitat area.

Concentration of dominance

Simpson index (1949) is used to measure the degree of concentration of dominance of species which basically gives priority to the dominant species. Its maximum value ranges between 0-1, which basically relates to the number of chance a particular species that can be encountered in a sampling unit.

Simpson's Index (1949) = $\sum p_i^2$

Where 'pi' is the proportional abundance of the ith species.

$$P_i = n_i/N$$

'ni' and 'N' are same as Shanon-Wiener index.

STUDY DETAILS

The study was initiated in 2015 and made several visits (2-3 visits in a season), covering 3 seasons. The last visit was completed in 2022.

- The trees were inventorized once with each tree identification and dimensions (species, height and girth at breast height) in all 30 major plots of 20mX20m in 5 grids
- The Shrubs were inventorized (species and number) on the basis of three seasons i.e. Pre-Monsoon, Post Monsoon and Winter Season in all 120 plots i.e. 4 plots in each major plot. Depending on the size of the plants, sometimes tree species is also listed under this category to have the regeneration status.
- The Herbs were inventorized (species and number) on the basis of three seasons i.e. Pre-Monsoon, Post Monsoon and Winter Season in all 125 plots i.e. 5 plots in each major plot. Depending on the size of the plants, sometimes tree and shrub species is also listed under this category to have the regeneration status.

FINDINGS & ANALYSIS

Tree data analysis

SL.NO	PLANT NAME	Total number of individuals of a species in all the quadrant	Total number of quadrat studied	Number of quadrants in which the species has occurred	Density (D)	Relative Density (RD)	Frequency (F)	Relative Frequency (RF)	Abundance (A)	Relative Abundance (RA)	IVI	pi ²	pi/npi
01.	<i>Shorea robusta</i> (Sal)	845	25	25	33.8	47.77	100	7.81	33.8	31.73	87.31	0.228169	0.352919
02.	<i>Croton persimilis</i> (Putula)	30	25	10	1.2	1.69	40	3.12	3	2.82	7.63	0.000287	0.069138
03.	<i>Cleistanthus collinus</i> (Podasi)	223	25	23	8.92	12.60	92	7.19	9.7	9.11	28.9	0.015891	0.261068
04.	<i>Pterocarpus marsupium</i> (Piyasal)	20	25	15	0.8	1.13	60	4.69	1.33	1.25	7.07	0.000127	0.050674
05.	<i>Buchanania cochinchinensis</i> (Piyal)	83	25	23	3.32	4.69	92	7.19	3.61	3.39	15.27	0.002201	0.143540
06.	<i>Cassia fistula</i> (Bandorlathi)	8	25	5	0.32	0.45	20	1.56	1.6	1.5	3.51	0.000020	0.024413
07.	<i>Terminalia alata</i> (Asan)	112	25	20	4.48	6.33	80	6.25	5.6	5.26	17.84	0.004008	0.174720
08.	<i>Anogeissus latifolia</i> (Dhau)	82	25	23	3.28	4.64	92	7.19	3.57	3.35	15.18	0.002148	0.142371
09.	<i>Holarrhena pubescens</i> (kurchi)	12	25	7	0.48	0.68	28	2.19	1.71	1.61	4.48	0.000046	0.033869
10.	<i>Milium velutina</i> (Chapati)	16	25	10	0.64	0.90	40	3.12	1.6	1.5	5.52	0.000081	0.042557
11.	<i>Diospyros melanoxylon</i> (Kendu)	87	25	23	3.48	4.92	92	7.19	3.78	3.55	15.66	0.002418	0.148143
12.	<i>Madhuca longifolia</i> (Mahua)	60	25	23	2.4	3.39	92	7.19	2.61	2.45	13.03	0.001150	0.114769
13.	<i>Terminalia chebula</i> (Haritaki)	20	25	8	0.8	1.13	32	2.5	2.5	2.35	5.98	0.000127	0.050674
14.	<i>Semecarpus anacardium</i> (Velai)	42	25	20	1.68	2.37	80	6.25	2.1	1.97	10.59	0.000563	0.088807
15.	<i>Albizia procera</i> (Sada shirish)	6	25	4	0.24	0.34	16	1.25	1.5	1.41	3.04	0.000011	0.019283
16.	<i>Meyna laxiflora</i> (Maina Kanta)	1	25	1	0.04	0.06	4	0.31	1	0.94	1.31	0.000001	0.004225
17.	<i>Lagerstroemia parviflora</i> (Sidha)	2	25	2	0.08	1.13	8	0.63	1	0.94	2.7	0.000001	0.007667
18.	<i>Glochidion ellipticum</i> (Petari)	7	25	3	0.28	0.40	12	0.94	2.33	2.19	3.53	0.000015	0.021891
19.	<i>Vitex glabrata</i> (Bhadu)	1	25	1	0.04	0.06	4	0.31	1	0.94	1.31	0.000001	0.004225
20.	<i>Syzygium cumini</i> (Jam)	5	25	4	0.2	0.28	16	1.25	1.25	1.17	2.7	0.000007	0.016585
21.	<i>Lannea coromandelica</i> (Jiol)	14	25	11	0.56	0.79	44	3.44	1.27	1.19	5.42	0.000062	0.038296
22.	<i>Wendlandia heynei</i> (Tilai)	3	25	2	0.12	0.17	8	0.63	1.5	1.41	2.21	0.000002	0.010814
23.	<i>Ehretia acuminata</i> (Kulu aja)	6	25	4	0.24	0.34	16	1.25	1.5	1.41	3	0.000011	0.019283
24.	<i>Gardenia gummifera</i> (Vudru/Korhor)	31	25	15	1.24	1.75	60	4.69	2.07	1.94	8.38	0.000307	0.070870
25.	<i>Careya arborea</i> (Asta) (Asta/ Kumbhi)	2	25	2	0.08	0.11	8	0.63	1	0.94	1.68	0.000001	0.007667
26.	<i>Nyctanthes arbor-tristis</i> (Shiuli)	2	25	2	0.08	0.11	8	0.63	1	0.94	1.68	0.000001	0.007667

27.	<i>Flacourtia indica</i> (Baichi)	14	25	8	0.56	0.79	32	2.5	1.75	1.64	4.93	0.000062	0.038296
28.	<i>Casearia tomentosa</i> (Churchmann)	3	25	3	0.12	0.17	12	0.94	1	0.94	2.05	0.000002	0.010814
29.	<i>Symplocos racemosa</i> (Lodh)	1	25	1	0.04	0.06	4	0.31	1	0.94	1.31	0.000001	0.004225
30.	<i>Haldina cordifolia</i> (Karam)	4	25	4	0.16	0.23	16	1.25	1	0.94	2.42	0.000005	0.013773
31.	<i>Soymida febrifuga</i> (Raktaraheda)	14	25	6	0.56	0.79	24	1.88	2.33	2.19	4.86	0.000062	0.038296
32.	<i>Terminalia bellirica</i> (Bahera)	4	25	4	0.16	0.23	16	1.25	1	0.94	2.42	0.000005	0.013773
33.	<i>Catunaregam spinosa</i> Syn. <i>Randia spinosa</i> (Karhar)	1	25	1	0.04	0.06	4	0.31	1	0.94	1.31	0.000001	0.004225
34.	<i>Dillenia pentagyna</i> (Banchalta) (Bonchalta)	2	25	2	0.08	0.11	8	0.63	1	0.94	1.68	0.000001	0.007667
35.	<i>Firmiana simplex</i> Syn. <i>Sterculia urens</i> (Bandarpichla)	1	25	1	0.04	0.06	4	0.31	1	0.94	1.31	0.000001	0.004225
36.	<i>Ougeinia oojinensis</i> (Panjan/Kalapalash)	3	25	2	0.12	0.17	8	0.63	1.5	1.41	2.21	0.000002	0.010814
37.	<i>Spathodea companulata</i> (Rudrapalash)	2	25	2	0.08	0.11	8	0.63	1	0.94	1.68	0.000001	0.007667
	Total	1769			70.76	100	1280	100	106.51	100	300	0.257799	2.07991

Simpson index = **0.257799**, i.e. concentration of dominance of species.

Shanon-weiner index = **2.07991**, i.e. measure of species diversity.

Shrub data analysis (Winter)

SL. NO	PLANT NAME	Total number of individuals of a species in all the quadrant	Total number of quadrat studied	No. of quadrants in which the species has occurred	Density (D)	Relative Density (RD)	Frequency (F)	Relative Frequency (RF)	Abundance (A)	Relative Abundance (RA)	IVI	pi ²	pinpi
1.	<i>Azanza lampas</i> (Ban kapas)	91	100	21	0.91	1.258296	21	1.810344	4.33	1.976446	5.045086	0.000158	0.055052
2.	<i>Pterocarpus marsupium</i>	636	100	73	6.36	8.794248	73	6.293103	8.71	3.975716	19.063067	0.007733	0.213793
3.	<i>Diospyros melanoxylon</i> (Kendu)	1012	100	75	10.12	13.993362	75	6.465517	13.49	6.157568	26.616447	0.019581	0.275191
4.	<i>Smilax ovalifolia</i> (Kumarika)	103	100	32	1.03	1.424226	32	2.758620	3.22	1.469782	5.652628	0.000202	0.060550
5.	<i>Croton persimilis</i> (Putula)	93	100	16	0.93	1.285951	16	1.379310	5.81	2.651999	5.31726	0.000165	0.055984
6.	<i>Hultholia mimosoides</i>	21	100	7	0.21	0.290376	7	0.603448	3	1.369362	2.263186	0.000008	0.016959
7.	<i>Hemidesmus indicus</i>	42	100	16	0.42	0.580752	16	1.379310	2.63	1.200474	3.160536	0.000033	0.029898
8.	<i>Holarrhena pubescens</i> (Kurchi)	297	100	55	2.97	4.106748	55	4.741379	5.4	2.464853	11.31298	0.001686	0.131108
9.	<i>Terminalia alata</i> (Asan)	147	100	44	1.47	2.032632	44	3.793103	3.34	1.524557	7.350292	0.000413	0.079187

10.	<i>Dregea volubilis</i> (Maronjibi)	39	100	14	0.39	0.539269	14	1.206896	2.79	1.273507	3.019672	0.000029	0.028161
11.	<i>Meyna laxiflora</i> (Maina kanta)	12	100	8	0.12	0.165929	8	0.689655	1.5	0.684681	1.540265	0.000002	0.010620
12.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	60	100	35	0.60	0.829646	35	3.017241	1.71	0.780536	4.627423	0.000068	0.039754
13.	<i>Cassia fistula</i> (Bandorlathi)	3	100	2	0.03	0.041482	2	0.172413	1.5	0.684681	0.898576	0.0000001	0.003224
14.	<i>Cleistanthus collinus</i> (Podasi)	593	100	83	5.93	8.199668	83	7.155172	7.14	3.259083	18.613923	0.006723	0.205078
15.	<i>Ehretia acuminata</i> (Kulu aja)	7	100	6	0.07	0.096792	6	0.517241	1.16	0.529486	1.143519	0.000001	0.006712
16.	<i>Flacourtia indica</i> (Baichi)	109	100	43	1.09	1.507190	43	3.706896	2.53	1.154829	6.368915	0.000227	0.063222
17.	<i>Shorea robusta</i> (Sal)	2276	100	94	22.76	31.471238	94	8.103448	24.21	11.05075	50.625443	0.099043	0.363837
18.	<i>Buchanania cochinchinensis</i>	118	100	46	1.18	1.631637	46	3.965517	2.57	1.173087	6.770241	0.000266	0.067150
19.	<i>Semecarpus anacardium</i> (Velai)	83	100	41	0.83	1.147676	41	3.534482	2.02	0.922037	5.604195	0.000131	0.051268
20.	<i>Chromolaena odorata</i> (Bagh dhoka)	1	100	1	0.01	0.013827	1	0.086206	1	0.456454	0.556487	0.0000001	0.001226
21.	<i>Casearia tomentosa</i> (Churchuman)	76	100	30	0.76	1.050884	30	2.586206	2.53	1.154829	4.791919	0.000110	0.047870
22.	<i>Lygodium</i> sp. (Bedajal)	9	100	5	0.09	0.124446	5	0.431034	1.8	0.821617	1.377097	0.000001	0.008321
23.	<i>Ichnocarpus frutescens</i> (Dudhilata)	3	100	1	0.03	0.041482	1	0.086206	3	1.369362	1.49695	0.0000001	0.003224
24.	<i>Dioscorea bulbifera</i>	20	100	4	0.20	0.276548	4	0.344827	5	2.282271	2.903646	0.000007	0.016287
25.	<i>Miliusa velutina</i> (Chapati)	14	100	11	0.14	0.193584	11	0.948275	1.27	0.579696	1.721555	0.000003	0.012089
26.	<i>Gardenia gummifera</i> (Vudru)	118	100	46	1.18	1.631637	46	3.965517	2.57	1.173087	6.770241	0.000266	0.067150
27.	<i>Grewia hirsuta</i> (Kukurbicha)	52	100	17	0.52	0.719026	17	1.465517	3.05	1.392185	3.576728	0.000051	0.035483
28.	<i>Madhuca longifolia</i> (Mahua)	281	100	43	2.81	3.885508	43	3.706896	6.53	2.980646	10.57305	0.001509	0.126197
29.	<i>Glochidion ellipticum</i> (Petari)	22	100	14	0.22	0.304203	14	1.206896	1.57	0.716633	2.227732	0.000009	0.017629
30.	<i>Anogeissus latifolia</i> (Dhau)	52	100	25	0.52	0.719026	25	2.155172	2.08	0.949424	3.823622	0.000051	0.035483
31.	<i>Erycibe paniculata</i> . (Karilata)	26	100	5	0.26	0.359513	5	0.431034	5.2	2.373562	3.164109	0.000012	0.020233
32.	<i>Soyimida febrifuga</i> (Raktaraheda)	184	100	33	1.84	2.544247	33	2.844827	5.58	2.547014	7.936088	0.000647	0.093406
33.	<i>Ziziphus oenopolia</i> (Shiakul)	30	100	13	0.30	0.414823	13	1.120689	2.30	1.049844	2.585356	0.000017	0.022752
34.	<i>Randia spinosa</i> (Karhar)	86	100	20	0.86	1.189159	20	1.724137	4.3	1.962753	4.876049	0.000141	0.052700
35.	<i>Curcuma aromatica</i> (Bonholud)	2	100	1	0.02	0.027654	1	0.086206	2	0.912908	1.026768	0.0000001	0.002261
36.	<i>Phoenix loureiroi</i> (Bonkhenjur)	173	100	24	1.73	2.392146	24	2.068965	7.21	3.291035	7.752146	0.000572	0.089297
37.	<i>Orthosiphon thymiflorus</i> (Bhulikari)	2	100	2	0.02	0.027654	2	0.172413	1	0.456454	0.656521	0.0000001	0.002261
38.	<i>Rivea hypocrateriformis</i> (Kindupata)	9	100	5	0.09	0.124446	5	0.431034	1.8	0.821617	1.377097	0.000001	0.008321
39.	<i>Nyctanthes arbor-tristis</i> (Shiuli)	2	100	1	0.02	0.027654	1	0.086206	2	0.912908	1.026768	0.0000001	0.002261
40.	<i>Asparagus officinalis</i> (Satamuli)	65	100	36	0.65	0.898783	36	3.103448	1.81	0.826182	4.828413	0.000080	0.042346
41.	<i>Terminalia chebula</i> (Haritaki)	8	100	6	0.08	0.110619	6	0.517241	1.3	0.593390	1.22125	0.000001	0.007528
42.	<i>Phyllanthus emblica</i> (Amlaki)	8	100	4	0.08	0.110619	4	0.344827	2	0.912908	1.368354	0.000001	0.007528

43.	<i>Dillenia pentagyna</i> (Banchalta)	4	100	4	0.04	0.055309	4	0.344827	1	0.456454	0.85659	0.000003	0.004147
44.	<i>Marsdenia tenacissima</i> (Jiti)	23	100	14	0.23	0.318030	14	1.206896	1.64	0.748584	2.27351	0.000010	0.018287
45.	<i>Lansea coromandelica</i> (Jiyol)	30	100	17	0.30	0.414823	17	1.465517	1.76	0.803359	2.683699	0.000017	0.022752
46.	<i>Tamilnadia uliginosa</i> (Pindra)	12	100	3	0.12	0.165929	3	0.258620	4	1.825817	2.250366	0.000002	0.010620
47.	<i>Dalbergia sissoo</i> (Sishu)	2	100	1	0.02	0.027654	1	0.086206	2	0.912908	1.026768	0.000001	0.002261
48.	<i>Aristolochia indica</i> (Isharmul)	10	100	7	0.10	0.138274	7	0.603448	1.43	0.652729	1.394451	0.000001	0.009099
49.	<i>Butea superba</i> (Lata palash)	4	100	3	0.04	0.055309	3	0.258620	1.3	0.593390	0.907319	0.000003	0.004147
50.	<i>Spatholobus parviflorus</i> (Bandolata)	13	100	8	0.13	0.179756	8	0.689655	1.62	0.739455	1.608866	0.000003	0.011359
51.	<i>Lagerstroemia parviflora</i> (Sidha)	3	100	2	0.03	0.041482	2	0.172413	1.5	0.684681	0.898576	0.000001	0.003224
52.	<i>Ampelocissus latifolia</i> (Kumarlata)	4	100	2	0.04	0.055309	2	0.172413	2	0.912908	1.14063	0.000003	0.004147
53.	<i>Helicteres isora</i> (Gamochra)	19	100	8	0.19	0.262721	8	0.689655	2.38	1.086361	1.038737	0.000006	0.015609
54.	<i>Coccinia grandis</i> (Ban kundri)	3	100	2	0.03	0.041482	2	0.172413	1.5	0.684681	0.898576	0.000001	0.003224
55.	<i>Woodfordia fruticosa</i> (Dhai)	1	100	1	0.01	0.013827	1	0.086206	1	0.456454	0.556487	0.000001	0.001226
56.	<i>Plumbago zeylanica</i> (Chita)	3	100	1	0.03	0.041482	1	0.086206	3	1.369362	1.49705	0.000001	0.003224
57.	<i>Dioscorea villosa</i>	7	100	4	0.07	0.096792	4	0.344827	1.75	0.798794	1.240413	0.000009	0.006712
58.	<i>Cissus repanda</i> (Panilata)	51	100	11	0.51	0.705199	11	0.948275	4.64	2.117947	3.771421	0.000049	0.034934
59.	<i>Careya arborea</i> (Asta)	3	100	2	0.03	0.041482	2	0.172413	1.5	0.684681	0.898576	0.000001	0.003224
60.	<i>Ougeinia oojeinensis</i> (Panjan)	8	100	5	0.08	0.110619	5	0.431034	1.6	0.730326	1.271979	0.000001	0.007528
61.	<i>Luffa aegyptiaca</i> (Purul)	4	100	1	0.04	0.055309	1	0.086206	4	1.825817	1.967332	0.000003	0.004147
62.	<i>Terminalia bellirica</i> (Bahera)	39	100	3	0.39	0.539269	3	0.258620	13	5.933905	6.731794	0.000029	0.028161
63.	<i>Albizia procera</i> (Sada shirish)	3	100	2	0.03	0.041482	2	0.172413	1.5	0.684681	0.898576	0.000001	0.003224
64.	<i>Spathodea campanulata</i> (Rudra Palash)	1	100	1	0.01	0.013827	1	0.086206	1	0.456454	0.556487	0.000001	0.001226
	Total	7232			72.32	100	1160	100	219.08	100	300	0.140066	2.681082

Simpson index = **0.140066**, i.e. concentration of dominance of species.

Shanon-weiner index = **2.681082**, i.e. measure of species diversity

Shrub data analysis (Pre-monsoon)

Sl.	Name	Total no. of individuals of a species in all the quadrant	Total number of quadrat studied	No. of quadrants in which the species has occurred	Density (D)	Relative Density (RD)	Frequency (F)	Relative Frequency (RF)	Abundance (A)	Relative Abundance (RA)	IVI	pi ²	piInpi
1	<i>Albizia procera</i>	1	100	1	0.010	0.018	1.000	0.107	1.000	0.505	0.630	0.000000	0.001543
2	<i>Anogeissus latifolia</i> (Dhau)	40	100	20	0.400	0.715	20.000	2.139	2.000	1.010	3.865	0.000051	0.035338
3	<i>Aristolochia indica</i>	8	100	5	0.080	0.143	5.000	0.535	1.600	0.808	1.486	0.000002	0.009370
4	<i>Asparagus officinalis</i> (Satamuli)	2	100	1	0.020	0.036	1.000	0.107	2.000	1.010	1.153	0.000000	0.002838
5	<i>Azanza lampas</i> (Ban kapas)	53	100	16	0.530	0.948	16.000	1.711	3.313	1.673	4.332	0.000090	0.044155
6	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	11	100	2	0.110	0.197	2.000	0.214	5.500	2.778	3.189	0.000004	0.012257
7	<i>Buchanania cochinchinensis</i> (Piyal)	118	100	47	1.180	2.110	47.000	5.027	2.511	1.268	8.405	0.000445	0.081418
8	<i>Butea superba</i>	2	100	1	0.020	0.036	1.000	0.107	2.000	1.010	1.153	0.000000	0.002838
9	<i>Caesalpinia mimosoides</i> (Kundrulota)	16	100	6	0.160	0.286	6.000	0.642	2.667	1.347	2.275	0.000008	0.016757
10	<i>Careya arborea</i>	3	100	2	0.030	0.054	2.000	0.214	1.500	0.758	1.025	0.000000	0.004040
11	<i>Casearia tomentosa</i> (Churchumann)	50	100	17	0.500	0.894	17.000	1.818	2.941	1.486	4.198	0.000080	0.042177
12	<i>Cassia fistula</i> (Bandorlathi)	3	100	2	0.030	0.054	2.000	0.214	1.500	0.758	1.025	0.000000	0.004040
13	<i>Catunaregam spinosa</i>	20	100	6	0.200	0.358	6.000	0.642	3.333	1.684	2.683	0.000013	0.020148
14	<i>Chromolaena odorata</i> (<i>Eupatorium</i> sp.)	1	100	1	0.010	0.018	1.000	0.107	1.000	0.505	0.630	0.000000	0.001543
15	<i>Cissus repanda</i> (Panilata)	38	100	7	0.380	0.680	7.000	0.749	5.429	2.742	4.170	0.000046	0.033919
16	<i>Cleistanthus collinus</i> (Podasi)	529	100	81	5.290	9.460	81.000	8.663	6.531	3.299	21.422	0.008949	0.223075
17	<i>Coccinia grandis</i>	1	100	1	0.010	0.018	1.000	0.107	1.000	0.505	0.630	0.000000	0.001543
18	<i>Croton persimilis</i> (Putula)	89	100	16	0.890	1.592	16.000	1.711	5.563	2.810	6.113	0.000253	0.065898
19	<i>Dalbergia sissoo</i> (Sishu)	2	100	1	0.020	0.036	1.000	0.107	2.000	1.010	1.153	0.000000	0.002838
20	<i>Dillenia pentagyna</i>	3	100	3	0.030	0.054	3.000	0.321	1.000	0.505	0.880	0.000000	0.004040
21	<i>Dioscorea bulbifera</i> (Shikorpanja)	16	100	4	0.160	0.286	4.000	0.428	4.000	2.021	2.734	0.000008	0.016757
22	<i>Dioscorea villosa</i>	6	100	3	0.060	0.107	3.000	0.321	2.000	1.010	1.438	0.000001	0.007336
23	<i>Diospyros melanoxylon</i> (Kendu)	883	100	75	8.830	15.790	75.000	8.021	11.773	5.947	29.759	0.024934	0.291454
24	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	34	100	12	0.340	0.608	12.000	1.283	2.833	1.431	3.323	0.000037	0.031025
25	<i>Ehretia acuminata</i>	5	100	4	0.050	0.089	4.000	0.428	1.250	0.631	1.149	0.000001	0.006277
26	<i>Erycibe paniculata</i> (Kajrilata)	21	100	4	0.210	0.376	4.000	0.428	5.250	2.652	3.455	0.000014	0.020972
27	<i>Flacourtia indica</i> (Baichi)	47	100	22	0.470	0.840	22.000	2.353	2.136	1.079	4.273	0.000071	0.040166
28	<i>Gardenia gummifera</i> (Vudru/Korhor)	95	100	41	0.950	1.699	41.000	4.385	2.317	1.170	7.254	0.000289	0.069232
29	<i>Glochidion ellipticum</i> (Petari)	21	100	14	0.210	0.376	14.000	1.497	1.500	0.758	2.631	0.000014	0.020972
30	<i>Grewia hirsute</i> (Kukurbicha)	33	100	9	0.330	0.590	9.000	0.963	3.667	1.852	3.405	0.000035	0.030289

31	<i>Helicteres isora</i>	12	100	6	0.120	0.215	6.000	0.642	2.000	1.010	1.867	0.000005	0.013185
32	<i>Hemidesmus indicus</i> (Anantamool)	18	100	10	0.180	0.322	10.000	1.070	1.800	0.909	2.301	0.000010	0.018472
33	<i>Holarrhena pubescens</i> (Kurchi)	174	100	36	1.740	3.112	36.000	3.850	4.833	2.441	9.403	0.000968	0.107973
34	<i>Ichnocarpus frutescens</i> (Duhi lata)	2	100	1	0.020	0.036	1.000	0.107	2.000	1.010	1.153	0.000000	0.002838
35	<i>Lagerstroemia parviflora</i>	1	100	1	0.010	0.018	1.000	0.107	1.000	0.505	0.630	0.000000	0.001543
36	<i>Lannea coromandelica</i> (Jiyol)	25	100	13	0.250	0.447	13.000	1.390	1.923	0.971	2.809	0.000020	0.024187
37	<i>Luffa aegyptiaca</i> (Purul)	4	100	1	0.040	0.072	1.000	0.107	4.000	2.021	2.199	0.000001	0.005181
38	<i>Lygodium sp.</i> (Bedajal)	8	100	4	0.080	0.143	4.000	0.428	2.000	1.010	1.581	0.000002	0.009370
39	<i>Madhuca longifolia</i> (Mahua)	236	100	43	2.360	4.220	43.000	4.599	5.488	2.772	11.592	0.001781	0.133584
40	<i>Marsdenia tenacissima</i>	19	100	12	0.190	0.340	12.000	1.283	1.583	0.800	2.423	0.000012	0.019315
41	<i>Meyna laxiflora</i> (Maina kanta)	10	100	6	0.100	0.179	6.000	0.642	1.667	0.842	1.662	0.000003	0.011313
42	<i>Milium velutina</i> (Chanpati)	10	100	8	0.100	0.179	8.000	0.856	1.250	0.631	1.666	0.000003	0.011313
43	<i>Nyctanthes arbor-tristis</i> (Shiuli)	2	100	1	0.020	0.036	1.000	0.107	2.000	1.010	1.153	0.000000	0.002838
44	<i>Orthosiphon thymiflorus</i>	1	100	1	0.010	0.018	1.000	0.107	1.000	0.505	0.630	0.000000	0.001543
45	<i>Ougeinia oojeinensis</i>	5	100	3	0.050	0.089	3.000	0.321	1.667	0.842	1.252	0.000001	0.006277
46	<i>Phanera vahlii</i> (Chihurlata)	19	100	14	0.190	0.340	14.000	1.497	1.357	0.686	2.523	0.000012	0.019315
47	<i>Phoenix loureiroi</i> (Bonkhenjur)	143	100	22	1.430	2.557	22.000	2.353	6.500	3.283	8.193	0.000654	0.093754
48	<i>Phyllanthus emblica</i> (Amlaki)	3	100	2	0.030	0.054	2.000	0.214	1.500	0.758	1.025	0.000000	0.004040
49	<i>Plumbago zeylanica</i>	1	100	1	0.010	0.018	1.000	0.107	1.000	0.505	0.630	0.000000	0.001543
50	<i>Pterocarpus marsupium</i> (Piyasal)	581	100	73	5.810	10.390	73.000	7.807	7.959	4.020	22.218	0.010795	0.235262
51	<i>Randia spinose</i> (Gurmann)	38	100	11	0.380	0.680	11.000	1.176	3.455	1.745	3.601	0.000046	0.033919
52	<i>Rivea hypocrateriformis</i>	8	100	4	0.080	0.143	4.000	0.428	2.000	1.010	1.581	0.000002	0.009370
53	<i>Semecarpus anacardium</i> (Velai)	58	100	30	0.580	1.037	30.000	3.209	1.933	0.977	5.222	0.000108	0.047386
54	<i>Shorea robusta</i> (Sal)	1652	100	93	16.520	29.542	93.000	9.947	17.763	8.973	48.462	0.087274	0.360223
55	<i>Smilax ovalifolia</i> (Ramdantan/ Kumarika)	33	100	11	0.330	0.590	11.000	1.176	3.000	1.515	3.282	0.000035	0.030289
56	<i>Soymida febrifuga</i> (Raktaraheda)	161	100	33	1.610	2.879	33.000	3.529	4.879	2.464	8.873	0.000829	0.102142
57	<i>Spatholobus perviflorus</i>	9	100	5	0.090	0.161	5.000	0.535	1.800	0.909	1.605	0.000003	0.010352
58	<i>Tamilnadia uliginosa</i>	12	100	4	0.120	0.215	4.000	0.428	3.000	1.515	2.158	0.000005	0.013185
59	<i>Terminalia alata</i> (Asan)	138	100	40	1.380	2.468	40.000	4.278	3.450	1.743	8.489	0.000609	0.091354
60	<i>Terminalia bellirica</i>	27	100	4	0.270	0.483	4.000	0.428	6.750	3.410	4.320	0.000023	0.025751
61	<i>Terminalia chebula</i> (Haritaki)	7	100	5	0.070	0.125	5.000	0.535	1.400	0.707	1.367	0.000002	0.008366
62	<i>Thespesia lampas</i> (Ban kapas)	4	100	2	0.040	0.072	2.000	0.214	2.000	1.010	1.296	0.000001	0.005181
63	<i>Woodfordia fruticosa</i>	1	100	1	0.010	0.018	1.000	0.107	1.000	0.505	0.630	0.000000	0.001543
64	<i>Ziziphus oenopolia</i>	19	100	10	0.190	0.340	10.000	1.070	1.900	0.960	2.369	0.000012	0.019315
	Total	5592		935	55.920	100.000	935.000	100.000	197.971	100.000	300.000	0.138560	2.625480

Simpson index = **0.138560**, i.e. concentration of dominance of species.

Shanon weiner index = **2.625480**, i.e. measure of species diversity.

Shrub data analysis (Post-monsoon)

Sl.	Name	Total number of individuals of a species in all the quadrant	Total number of quadrat studied	No. of quadrants in which the species has occurred	Density (D)	Relative Density (RD)	Frequency (F)	Relative Frequency (RF)	Abundance (A)	Relative Abundance (RA)	IVI	pi ²	piInpi
1	<i>Albizia procera</i>	3	100	2	0.030	0.039	2.000	0.172	1.500	0.608	0.819	0.000000	0.003075
2	<i>Ampelocissus latifolia</i>	4	100	2	0.040	0.052	2.000	0.172	2.000	0.811	1.035	0.000000	0.003950
3	<i>Anogeissus latifolia</i> (Dhau)	56	100	26	0.560	0.732	26.000	2.234	2.154	0.874	3.839	0.000054	0.035987
4	<i>Aristolochia indica</i>	10	100	7	0.100	0.131	7.000	0.601	1.429	0.579	1.312	0.000002	0.008678
5	<i>Asparagus officinalis</i> (Satamuli)	70	100	36	0.700	0.915	36.000	3.093	1.944	0.789	4.796	0.000084	0.042942
6	<i>Azanza lampas</i> (Ban kapas)	88	100	19	0.880	1.150	19.000	1.632	4.632	1.879	4.661	0.000132	0.051353
7	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	22	100	8	0.220	0.288	8.000	0.687	2.750	1.116	2.090	0.000008	0.016824
8	<i>Buchanania cochinchinensis</i> (Piyal)	130	100	47	1.300	1.699	47.000	4.038	2.766	1.122	6.859	0.000289	0.069233
9	<i>Butea superba</i>	4	100	3	0.040	0.052	3.000	0.258	1.333	0.541	0.851	0.000000	0.003950
10	<i>Caesalpinia mimosoides</i> (Kundrulota)	26	100	6	0.260	0.340	6.000	0.515	4.333	1.758	2.613	0.000012	0.019315
11	<i>Careya arborea</i>	3	100	2	0.030	0.039	2.000	0.172	1.500	0.608	0.819	0.000000	0.003075
12	<i>Casearia tomentosa</i> (Churchumann)	87	100	30	0.870	1.137	30.000	2.577	2.900	1.176	4.891	0.000129	0.050899
13	<i>Cassia fistula</i> (Bandorlathi)	3	100	2	0.030	0.039	2.000	0.172	1.500	0.608	0.819	0.000000	0.003075
14	<i>Catunaregam spinosa</i>	45	100	10	0.450	0.588	10.000	0.859	4.500	1.825	3.273	0.000035	0.030204
15	<i>Chromolaena odorata</i> (Eupatorium sp.)	1	100	1	0.010	0.013	1.000	0.086	1.000	0.406	0.505	0.000000	0.001169
16	<i>Cissus repanda</i> (Panilata)	55	100	11	0.550	0.719	11.000	0.945	5.000	2.028	3.692	0.000052	0.035474
17	<i>Cleistanthus collinus</i> (Podasi)	637	100	84	6.370	8.325	84.000	7.216	7.583	3.076	18.617	0.006930	0.206946
18	<i>Coccinia grandis</i>	3	100	2	0.030	0.039	2.000	0.172	1.500	0.608	0.819	0.000000	0.003075
19	<i>Croton persimilis</i> (Putula)	102	100	17	1.020	1.333	17.000	1.460	6.000	2.434	5.227	0.000178	0.057555
20	<i>Curcuma aromatic</i> (Bonholud)	2	100	1	0.020	0.026	1.000	0.086	2.000	0.811	0.923	0.000000	0.002156
21	<i>Dalbergia sissoo</i> (Sishu)	2	100	1	0.020	0.026	1.000	0.086	2.000	0.811	0.923	0.000000	0.002156
22	<i>Dillenia pentagyna</i>	4	100	4	0.040	0.052	4.000	0.344	1.000	0.406	0.802	0.000000	0.003950
23	<i>Dioscorea bulbifera</i> (Shikorpanja)	24	100	4	0.240	0.314	4.000	0.344	6.000	2.434	3.091	0.000010	0.018081
24	<i>Dioscorea villosa</i>	9	100	4	0.090	0.118	4.000	0.344	2.250	0.913	1.374	0.000001	0.007934
25	<i>Diospyros melanoxylon</i> (Kendu)	1118	100	76	11.180	14.611	76.000	6.529	14.711	5.967	27.107	0.021347	0.281023
26	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	43	100	14	0.430	0.562	14.000	1.203	3.071	1.246	3.011	0.000032	0.029117
27	<i>Ehretia acuminata</i>	11	100	6	0.110	0.144	6.000	0.515	1.833	0.744	1.403	0.000002	0.009408
28	<i>Erycibe paniculata</i> (Kajrilata)	26	100	5	0.260	0.340	5.000	0.430	5.200	2.109	2.879	0.000012	0.019315
29	<i>Flacourtia indica</i> (Baichi)	114	100	43	1.140	1.490	43.000	3.694	2.651	1.075	6.259	0.000222	0.062669
30	<i>Gardenia gummifera</i> (Vudru/Korhor)	125	100	46	1.250	1.634	46.000	3.952	2.717	1.102	6.688	0.000267	0.067211
31	<i>Glochidion ellipticum</i> (Petari)	25	100	13	0.250	0.327	13.000	1.117	1.923	0.780	2.224	0.000011	0.018700

32	<i>Grewia hirsute</i> (Kukurbicha)	53	100	17	0.530	0.693	17.000	1.460	3.118	1.265	3.418	0.000048	0.034441
33	<i>Helicteres isora</i>	20	100	8	0.200	0.261	8.000	0.687	2.500	1.014	1.963	0.000007	0.015544
34	<i>Hemidesmus indicus</i> (Anantamool)	45	100	16	0.450	0.588	16.000	1.375	2.813	1.141	3.104	0.000035	0.030204
35	<i>Holarrhena pubescens</i> (Kurchi)	312	100	55	3.120	4.077	55.000	4.725	5.673	2.301	11.104	0.001662	0.130464
36	<i>Ichnocarpus frutescens</i> (Duhi lata)	3	100	1	0.030	0.039	1.000	0.086	3.000	1.217	1.342	0.000000	0.003075
37	<i>Lagerstroemia parviflora</i>	3	100	2	0.030	0.039	2.000	0.172	1.500	0.608	0.819	0.000000	0.003075
38	<i>Lannea coromandelica</i> (Jiyol)	32	100	17	0.320	0.418	17.000	1.460	1.882	0.764	2.642	0.000017	0.022904
39	<i>Luffa aegyptiaca</i> (Purul)	5	100	1	0.050	0.065	1.000	0.086	5.000	2.028	2.179	0.000000	0.004792
40	<i>Lygodium sp.</i> (Bedajal)	11	100	5	0.110	0.144	5.000	0.430	2.200	0.892	1.466	0.000002	0.009408
41	<i>Madhuca longifolia</i> (Mahua)	308	100	43	3.080	4.025	43.000	3.694	7.163	2.906	10.625	0.001620	0.129311
42	<i>Marsdenia tenacissima</i>	27	100	14	0.270	0.353	14.000	1.203	1.929	0.782	2.338	0.000012	0.019925
43	<i>Meyna laxiflora</i> (Maina kanta)	13	100	8	0.130	0.170	8.000	0.687	1.625	0.659	1.516	0.000003	0.010835
44	<i>Miliusa velutina</i> (Chanpati)	14	100	11	0.140	0.183	11.000	0.945	1.273	0.516	1.644	0.000003	0.011533
45	<i>Nyctanthes arbor-tristis</i> (Shiuli)	2	100	1	0.020	0.026	1.000	0.086	2.000	0.811	0.923	0.000000	0.002156
46	<i>Orthosiphon thymiflorus</i>	3	100	2	0.030	0.039	2.000	0.172	1.500	0.608	0.819	0.000000	0.003075
47	<i>Ougeinia oojeinensis</i>	8	100	5	0.080	0.105	5.000	0.430	1.600	0.649	1.183	0.000001	0.007175
48	<i>Phanera vahlii</i> (Chihurlata)	42	100	27	0.420	0.549	27.000	2.320	1.556	0.631	3.499	0.000030	0.028569
49	<i>Phoenix loureiroi</i> (Bonkhenjur)	187	100	24	1.870	2.444	24.000	2.062	7.792	3.161	7.666	0.000597	0.090705
50	<i>Phyllanthus emblica</i> (Amlaki)	8	100	4	0.080	0.105	4.000	0.344	2.000	0.811	1.259	0.000001	0.007175
51	<i>Plumbago zeylanica</i>	3	100	1	0.030	0.039	1.000	0.086	3.000	1.217	1.342	0.000000	0.003075
52	<i>Pterocarpus marsupium</i> (Piyasal)	686	100	73	6.860	8.965	73.000	6.271	9.397	3.812	19.048	0.008037	0.216221
53	<i>Randia spinose</i> (Gurmann)	48	100	12	0.480	0.627	12.000	1.031	4.000	1.623	3.281	0.000039	0.031813
54	<i>Rivea hypocrateriformis</i>	9	100	5	0.090	0.118	5.000	0.430	1.800	0.730	1.277	0.000001	0.007934
55	<i>Semecarpus anacardium</i> (Velai)	93	100	41	0.930	1.215	41.000	3.522	2.268	0.920	5.658	0.000148	0.053599
56	<i>Shorea robusta</i> (Sal)	2284	100	93	22.840	29.848	93.000	7.990	24.559	9.962	47.800	0.089093	0.360879
57	<i>Smilax ovalifolia</i> (Ramdantan/ Kumarika)	109	100	32	1.090	1.424	32.000	2.749	3.406	1.382	5.555	0.000203	0.060559
58	<i>Soymida febrifuga</i> (Raktaraheda)	200	100	33	2.000	2.614	33.000	2.835	6.061	2.458	7.907	0.000683	0.095254
59	<i>Spathodea campanulata</i>	1	100	1	0.010	0.013	1.000	0.086	1.000	0.406	0.505	0.000000	0.001169
60	<i>Spatholobous perviflorus</i>	13	100	8	0.130	0.170	8.000	0.687	1.625	0.659	1.516	0.000003	0.010835
61	<i>Tamilnadia uliginosa</i>	13	100	3	0.130	0.170	3.000	0.258	4.333	1.758	2.185	0.000003	0.010835
62	<i>Terminalia alata</i> (Asan)	155	100	44	1.550	2.026	44.000	3.780	3.523	1.429	7.235	0.000410	0.078985
63	<i>Terminalia bellirica</i>	42	100	3	0.420	0.549	3.000	0.258	14.000	5.679	6.486	0.000030	0.028569
64	<i>Terminalia chebula</i> (Haritaki)	10	100	6	0.100	0.131	6.000	0.515	1.667	0.676	1.322	0.000002	0.008678
65	<i>Thespesia lampas</i> (Ban kapas)	10	100	2	0.100	0.131	2.000	0.172	5.000	2.028	2.331	0.000002	0.008678
66	<i>Woodfordia fruticosa</i>	1	100	1	0.010	0.013	1.000	0.086	1.000	0.406	0.505	0.000000	0.001169
67	<i>Ziziphus oenopolia</i>	27	100	13	0.270	0.353	13.000	1.117	2.077	0.843	2.312	0.000012	0.019925
	Total	7652		1164	76.520	100.000	1164.000	100.000	246.519	100.000	300.000	0.132514	2.731048

Simpson index = **0.1325147**, i.e. concentration of dominance of species.

Shanon weiner index = **2.731048**, i.e. measure of species diversity.

Herb data analysis (Winter)

SL. NO.	PLANT NAME	Total number of individuals of a species in all the quadrant	Total number of quadrat studied	Number of quadrants in which the species has occurred	Density (D)	Relative Density (RD)	Frequency (F)	Relative Frequency (RF)	Abundance (A)	Relative Abundance (RA)	IVI	pi ²	pinpi
01.	<i>Cyperus sp</i>	177	125	35	1.416	9.028309	28	5.761316	5.057	2.567239	17.356864	0.007469	0.211609
02.	<i>Chromolaena odorata</i> (Bagh dhoka)	11	125	7	0.088	0.561081	5.6	1.152263	1.571	0.797534	2.510878	0.000028	0.028072
03.	<i>Cyanthillium cinereum</i> (Sahadebi)	120	125	49	0.96	6.120887	39.2	8.065843	2.448	1.242753	15.429483	0.003433	0.166236
04.	<i>Imperata cylindrica</i> (Chirughas)	15	125	1	0.12	0.765110	0.8	0.164609	15	7.614908	8.544627	0.000053	0.036009
05.	<i>Curcuma aromatica</i> (Bonholud)	40	125	7	0.32	2.040816	5.6	1.152263	5.714	2.900772	6.093851	0.000381	0.076869
06.	<i>Curculigo orchioides</i> (Talmuli)	42	125	12	0.336	2.142310	9.6	1.975308	3.5	1.776812	5.89443	0.000420	0.079710
07.	<i>Smilax ovalifolia</i> (Kumarika)	10	125	6	0.08	0.510073	4.8	0.987654	1.666	0.845762	2.343489	0.000023	0.025982
08.	<i>Cynodon dactylon</i> (Durba)	12	125	3	0.096	0.612088	2.4	0.493827	4	2.030642	3.136557	0.000034	0.030113
09.	<i>Dregea volubilis</i> (Maronjibi)	4	125	2	0.032	0.204029	1.6	0.329818	2	1.015321	1.549168	0.000003	0.012183
10.	<i>Geodorum densiflorum</i> (Paglaguri)	3	125	1	0.024	0.153022	0.8	0.164609	3	1.522981	1.840612	0.000002	0.009554
11.	<i>Diospyros melanoxylon</i> (Kendu)	22	125	4	0.176	1.122162	3.2	0.658436	5.5	2.722133	4.502731	0.000115	0.048699
12.	<i>Rungia pectinata</i> (Chhotosibjata)	211	125	34	1.688	10.762560	27.2	5.596707	6.205	3.150034	19.509301	0.010614	0.234156
13.	<i>Lygodium sp</i> (Berdajal)	20	125	13	0.16	1.020147	10.4	2.139917	1.538	0.780782	3.940846	0.000095	0.045201
14.	<i>Cyanotis sp</i>	1	125	1	0.008	0.051007	0.8	0.164609	1	0.507660	0.723276	0.0000002	0.003721
15.	<i>Asparagus officinalis</i> (Satamuli)	39	125	25	0.312	1.989288	20	4.115226	1.56	0.791950	6.896464	0.000362	0.075427
16.	<i>Blumea flava</i>	171	125	32	1.368	8.722264	25.6	5.267489	5.343	2.712430	16.702183	0.006971	0.207316
17.	<i>Chlorophytum sp</i>	24	125	10	0.192	1.224177	8	1.646090	2.4	1.218385	4.088652	0.000137	0.052105
18.	<i>Triumfetta rhomboidea</i> (Ban okra)	14	125	5	0.112	0.714103	4	0.823045	2.8	1.421449	2.958597	0.000046	0.034077
19.	<i>Aristolochia indica</i> (Isharmul)	4	125	3	0.032	0.204029	2.4	0.493827	1.333	0.676711	1.374567	0.000003	0.012183
20.	<i>Pentanema indicum Syn.Vicoa indica</i> (Katiapuru)	109	125	20	0.872	5.559806	16	3.292181	5.45	2.766750	11.618737	0.002832	0.156115
21.	<i>Azanza lampas</i> (Ban kapas)	9	125	4	0.072	0.459066	3.2	0.658436	2.25	1.142236	2.259738	0.000019	0.023848
22.	<i>Grewia hirsuta</i> (Kukurbicha)	29	125	9	0.232	1.479214	7.2	1.481481	3.222	1.635682	4.596377	0.000200	0.060283
23.	<i>Ziziphus oenopolia</i> (Shiakul)	12	125	5	0.096	0.612088	4	0.823045	2.4	1.218385	2.659518	0.000034	0.030113
24.	<i>Lepidagathis sp</i>	77	125	30	0.616	3.927569	24	4.938271	2.566	1.302657	10.168497	0.001413	0.123349
25.	<i>Canscora diffusa</i> (Burrurria)	74	125	19	0.592	3.774547	15.2	3.127572	3.894	1.976830	8.878949	0.001305	0.119979
26.	<i>Centotheca sp</i>	6	125	1	0.048	0.306044	0.8	0.164609	6	3.045963	3.516616	0.000008	0.017085
27.	<i>Orthosiphon thymiflorus</i> (Bhulikari)	14	125	5	0.112	0.714103	4	0.823045	2.8	1.421449	2.958594	0.000046	0.034077

28.	<i>Crotalaria albida</i> (Saralpata Banmethi)	27	125	9	0.216	1.377199	7.2	1.481481	3	1.522981	4.381661	0.000173	0.057066
29.	<i>Evolvulus nummularius</i> (Bhuikamri)	10	125	3	0.08	0.510073	2.4	0.493827	3.333	1.692032	2.595932	0.000023	0.025982
30.	<i>Hybanthus enneaspermus</i> (Nunbora)	78	125	13	0.624	3.978576	10.4	2.139917	6	3.045963	9.164456	0.001450	0.124459
31.	<i>Cheilanthes sp</i>	8	125	3	0.064	0.433562	2.4	0.493827	2.666	1.353423	2.280812	0.000015	0.021659
32.	<i>Hemidesmus indicus</i> (Anantamul)	13	125	8	0.104	0.663096	6.4	1.316872	1.625	0.824948	2.804916	0.000040	0.032114
33.	<i>Sida cordata</i>	6	125	3	0.048	0.306044	2.4	0.493827	2	1.015321	1.815192	0.000008	0.017085
34.	<i>Fimbristylis sp</i>	23	125	4	0.184	1.173170	3.2	0.658436	5.75	2.919048	4.750654	0.000126	0.050413
35.	<i>Flacourtia indica</i> (Baichi)	5	125	3	0.04	0.255036	2.4	0.493827	1.25	0.634575	1.383438	0.000005	0.014683
36.	<i>Phoenix loureiroi</i> (Bonkhenjur)	7	125	4	0.056	0.357051	3.2	0.658436	1.75	0.888406	1.903893	0.000011	0.019405
37.	<i>Murdannia edulis</i> (Sia Mushli)	15	125	5	0.12	0.765110	4	0.823045	3	1.522981	3.111136	0.000053	0.036009
38.	<i>Byttneria herbacea</i> (Kambraj)	31	125	15	0.248	1.581229	12	2.469135	2.066	1.048826	5.09919	0.000229	0.063430
39.	<i>Eulophia explanata</i>	24	125	7	0.192	1.224177	5.6	1.152263	3.428	1.740260	4.116704	0.000137	0.052105
40.	<i>Leucas angularis</i>	20	125	7	0.16	1.020147	5.6	1.152263	2.857	1.450386	3.622796	0.000095	0.045201
41.	<i>Shorea robusta</i> (Sal)	176	125	45	1.408	8.977301	36	7.407407	3.911	1.985460	18.670168	0.007385	0.210901
42.	<i>Cleistanthus collinus</i> (Podasi)	10	125	7	0.08	0.510073	5.6	1.152263	1.428	0.724939	2.387275	0.000023	0.025982
43.	<i>Croton persimilis</i> (Putula)	10	125	4	0.08	0.510073	3.2	0.658436	2.5	1.269151	2.43766	0.000023	0.025982
44.	<i>Pterocarpus marsupium</i>	29	125	17	0.232	1.479214	13.6	2.798353	1.705	0.865561	5.143128	0.000200	0.060283
45.	<i>Polygala crotalarioides</i> (Nelkantha)	79	125	35	0.632	4.029584	28	5.761316	2.257	1.145789	10.936653	0.001487	0.125565
46.	<i>Dalbergia sissoo</i> (Sishu)	15	125	10	0.12	0.765110	8	1.646090	1.5	0.761490	3.17269	0.000053	0.036009
47.	<i>Lannea coromandelica</i> (Jiyol)	7	125	6	0.056	0.357051	4.8	0.987654	1.166	0.591932	1.936637	0.000011	0.019405
48.	<i>Randia spinosa</i> (Karhar)	3	125	1	0.024	0.153022	0.8	0.164609	3	1.522981	1.840612	0.000002	0.009554
49.	<i>Holarrhena pubescens</i> (Kurchi)	3	125	1	0.024	0.153022	0.8	0.164609	3	1.522981	1.840612	0.000002	0.009554
50.	<i>Meyna laxiflora</i>	1	125	1	0.008	0.051007	0.8	0.164609	1	0.507660	0.733276	0.000002	0.003721
51.	<i>Cissus repanda</i> (Panilata)	18	125	5	0.144	0.918133	4	0.823045	3.6	1.827578	3.568756	0.000077	0.041609
52.	<i>Eulaliopsis binata</i> (Babui)	95	125	13	0.76	4.845702	10.4	2.139917	7.307	3.709475	10.695094	0.002151	0.142440
53.	<i>Albizia procera</i> (Sada shirish)	8	125	6	0.064	0.433562	4.8	0.987654	1.333	0.676711	2.097927	0.000015	0.021659
54.	<i>Rivea hypocrateriformis</i> (Kindupata)	5	125	5	0.04	0.255036	4	0.823045	1	0.507660	1.585741	0.000005	0.014683
55.	<i>Helicteres isora</i> (Gamochra)	2	125	1	0.016	0.102014	0.8	0.164609	2	1.015321	1.281944	0.0000009	0.006765
56.	<i>Ougeinia oojainensis</i> (Panjan)	2	125	2	0.016	0.102014	1.6	0.329818	1	0.507660	0.939492	0.0000009	0.006765
57.	<i>Casearia tomentosa</i> (Churchuman)	1	125	1	0.008	0.051007	0.8	0.164609	1	0.507660	0.733276	0.0000002	0.003721
58.	<i>Buchanania cochinchinensis</i>	15	125	6	0.12	0.765110	4.8	0.987654	2.5	1.269151	3.021915	0.000053	0.036009
59.	<i>Pteridium sp</i>	3	125	2	0.024	0.153022	1.6	0.329818	1.5	0.761490	1.24433	0.000002	0.009554
60.	<i>Tamilnadia uliginosa</i> (Pindra)	10	125	5	0.08	0.510073	4	0.823045	2	1.015321	2.348439	0.000023	0.025982
61.	<i>Anisomeles sp</i>	3	125	1	0.024	0.153022	0.8	0.164609	3	1.522981	1.840612	0.000002	0.009554

62.	<i>Terminalia bellirica</i> (Bahera)	3	125	1	0.024	0.153022	0.8	0.164609	3	1.522981	1.840612	0.000002	0.009554
63.	<i>Soyimida febrifuga</i> (Raktaraheda)	1	125	1	0.008	0.051007	0.8	0.164609	1	0.507660	0.733276	0.0000002	0.003721
64.	<i>Phyllanthus emblica</i> (Amlaki)	3	125	2	0.024	0.153022	1.6	0.329818	1.5	0.761490	1.24433	0.000002	0.009554
65.	<i>Plumbago zeylanica</i> (Chita)	4	125	3	0.032	0.204029	2.4	0.493827	1.333	0.676711	1.374567	0.000003	0.012183
66.	<i>Ampelocissus latifolia</i> (Kumarlata)	1	125	1	0.008	0.051007	0.8	0.164609	1	0.507660	0.733276	0.0000002	0.003721
67.	<i>Indigofera heterantha</i> (Himalayan Indigo)	3	125	2	0.024	0.153022	1.6	0.329818	1.5	0.761490	1.24433	0.000002	0.009554
68.	<i>Terminalia chebula</i> (Haritaki)	1	125	1	0.008	0.051007	0.8	0.164609	1	0.507660	0.733276	0.0000002	0.003721
	Total	2048			15.684	100	486	100	196.982	100	300	0.049934	3.411387

Simpson index = 0.049934, i.e. concentration of dominance of species.

Shanon-weiner index = 3.411387, i.e. measure of species diversity

Herb data analysis (Pre-monsoon)

Sl	Name	Total number of individuals of a species in all the quadrant	Total number of quadrat studied	No. of quadrants in which the species has occurred	Density (D)	Relative Density (RD)	Frequency (F)	Relative Frequency (RF)	Abundance (A)	Relative Abundance (RA)	IVI	pi ²	pi/ni
1	<i>Albizia procera</i> (Sadashirish)	4	125	4	0.040	0.266	3.200	0.849	1.000	0.589	1.704	0.000007	0.015796
2	<i>Anisomeles sp</i>	1	125	1	0.010	0.067	0.800	0.212	1.000	0.589	0.868	0.000000	0.004873
3	<i>Aristolochia indica</i>	3	125	2	0.030	0.200	1.600	0.425	1.500	0.883	1.508	0.000004	0.012422
4	<i>Asparagus officinalis</i> (Satamuli)	4	125	4	0.040	0.266	3.200	0.849	1.000	0.589	1.704	0.000007	0.015796
5	<i>Azanza lampas</i> (Ban kapas)	7	125	3	0.070	0.466	2.400	0.637	2.333	1.374	2.477	0.000022	0.025034
6	<i>Blumea flava</i>	150	125	30	1.500	9.993	24.000	6.369	5.000	2.944	19.306	0.009987	0.230172
7	<i>Buchanania cochinchinensis</i> (Piyal)	9	125	4	0.090	0.600	3.200	0.849	2.250	1.325	2.773	0.000036	0.030680
8	<i>Byttneria hebacea</i>	18	125	10	0.180	1.199	8.000	2.123	1.800	1.060	4.382	0.000144	0.053047
9	<i>Canscora diffusa</i>	58	125	16	0.580	3.864	12.800	3.397	3.625	2.134	9.395	0.001493	0.125716
10	<i>Centotheca sp</i>	4	125	1	0.040	0.266	0.800	0.212	4.000	2.355	2.834	0.000007	0.015796
11	<i>Cheilanthes sp</i>	2	125	6	0.020	0.133	4.800	1.274	0.333	0.196	1.603	0.000002	0.008822
12	<i>Chlorophytum sp</i>	18	125	8	0.180	1.199	6.400	1.699	2.250	1.325	4.222	0.000144	0.053047
13	<i>Chromolaena odorata</i> (Eupatorium sp.)	7	125	6	0.070	0.466	4.800	1.274	1.167	0.687	2.427	0.000022	0.025034
14	<i>Cissus repanda</i>	14	125	2	0.140	0.933	1.600	0.425	7.000	4.121	5.478	0.000087	0.043603
15	<i>Cleistanthus collinus</i> (Podasi)	8	125	7	0.080	0.533	5.600	1.486	1.143	0.673	2.692	0.000028	0.027898

16	<i>Crotalaria albida</i>	19	125	7	0.190	1.266	5.600	1.486	2.714	1.598	4.350	0.000160	0.055309
17	<i>Croton persimilis</i> (Putula)	10	125	4	0.100	0.666	3.200	0.849	2.500	1.472	2.987	0.000044	0.033386
18	<i>Curculigo orchioides</i> (Talmuli)	17	125	8	0.170	1.133	6.400	1.699	2.125	1.251	4.082	0.000128	0.050747
19	<i>Curcuma aromatica</i> (Bonholud)	29	125	7	0.290	1.932	5.600	1.486	4.143	2.439	5.857	0.000373	0.076250
20	<i>Cyanthillium cinereum</i>	96	125	37	0.960	6.396	29.600	7.856	2.595	1.527	15.779	0.004091	0.175853
21	<i>Cynodon dactylon</i>	12	125	3	0.120	0.799	2.400	0.637	4.000	2.355	3.791	0.000064	0.038606
22	<i>Cyperus niveus</i>	125	125	27	1.250	8.328	21.600	5.732	4.630	2.726	16.786	0.006935	0.206993
23	<i>Dalbergia sissoo</i> (Sishu)	9	125	7	0.090	0.600	5.600	1.486	1.286	0.757	2.843	0.000036	0.030680
24	<i>Diospyros melanoxylon</i> (Kendu)	15	125	2	0.150	0.999	1.600	0.425	7.500	4.415	5.839	0.000100	0.046028
25	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	4	125	2	0.040	0.266	1.600	0.425	2.000	1.177	1.869	0.000007	0.015796
26	<i>Eulaliopsis binata</i>	63	125	12	0.630	4.197	9.600	2.548	5.250	3.091	9.836	0.001762	0.133083
27	<i>Eulophia explanata</i>	18	125	6	0.180	1.199	4.800	1.274	3.000	1.766	4.239	0.000144	0.053047
28	<i>Evolvulus nummularius</i>	10	125	3	0.100	0.666	2.400	0.637	3.333	1.962	3.266	0.000044	0.033386
29	<i>Fimbristylis sp</i>	19	125	4	0.190	1.266	3.200	0.849	4.750	2.796	4.912	0.000160	0.055309
30	<i>Flacourtia indica</i> (Baichi)	1	125	1	0.010	0.067	0.800	0.212	1.000	0.589	0.868	0.000000	0.004873
31	<i>Geodorum densiflorum</i>	3	125	1	0.030	0.200	0.800	0.212	3.000	1.766	2.178	0.000004	0.012422
32	<i>Grewia hirsuta</i> (Kukurbicha)	22	125	7	0.220	1.466	5.600	1.486	3.143	1.850	4.802	0.000215	0.061894
33	<i>Helicteres isora</i>	1	125	1	0.010	0.067	0.800	0.212	1.000	0.589	0.868	0.000000	0.004873
34	<i>Hemidesmus indicus</i> (Anantamul)	11	125	6	0.110	0.733	4.800	1.274	1.833	1.079	3.086	0.000054	0.036027
35	<i>Holarrhena pubescens</i> (Kurchi)	1	125	1	0.010	0.067	0.800	0.212	1.000	0.589	0.868	0.000000	0.004873
36	<i>Hybanthus enneaspermus</i>	66	125	12	0.660	4.397	9.600	2.548	5.500	3.238	10.183	0.001933	0.137375
37	<i>Imperata cylindrica</i> (Chirughas)	12	125	1	0.120	0.799	0.800	0.212	12.00	7.065	8.076	0.000064	0.038606
38	<i>Indigofera heterantha</i>	1	125	1	0.010	0.067	0.800	0.212	1.000	0.589	0.868	0.000000	0.004873
39	<i>Lannea coromandelica</i> (Jiyol)	5	125	5	0.050	0.333	4.000	1.062	1.000	0.589	1.983	0.000011	0.019002
40	<i>Lepidagathis incurva</i>	66	125	25	0.660	4.397	20.000	5.308	2.640	1.554	11.259	0.001933	0.137375
41	<i>Leucas angularis</i>	12	125	5	0.120	0.799	4.000	1.062	2.400	1.413	3.274	0.000064	0.038606
42	<i>Lygodium sp.</i> (Bedajal)	12	125	9	0.120	0.799	7.200	1.911	1.333	0.785	3.495	0.000064	0.038606
43	<i>Meyna laxiflora</i>	1	125	1	0.010	0.067	0.800	0.212	1.000	0.589	0.868	0.000000	0.004873
44	<i>Murdannia edulis</i>	14	125	4	0.140	0.933	3.200	0.849	3.500	2.061	3.843	0.000087	0.043603
45	<i>Polygala crotalarioides</i> (Nelkantha)	48	125	19	0.480	3.198	15.200	4.034	2.526	1.487	8.719	0.001023	0.110093
46	<i>Orthosiphon thymiflorus</i>	11	125	5	0.110	0.733	4.000	1.062	2.200	1.295	3.090	0.000054	0.036027
47	<i>Ougeinia oojeinensis</i>	1	125	1	0.010	0.067	0.800	0.212	1.000	0.589	0.868	0.000000	0.004873
48	<i>Pentanema indicum Syn. Vicoa indica</i>	94	125	20	0.940	6.262	16.000	4.246	4.700	2.767	13.276	0.003922	0.173508
49	<i>Phoenix sylvestris</i>	4	125	4	0.040	0.266	3.200	0.849	1.000	0.589	1.704	0.000007	0.015796
50	<i>Phyllanthus emblica</i>	3	125	2	0.030	0.200	1.600	0.425	1.500	0.883	1.508	0.000004	0.012422
51	<i>Plumbago zeylanica</i>	1	125	1	0.010	0.067	0.800	0.212	1.000	0.589	0.868	0.000000	0.004873
52	<i>Pteridium sp</i>	2	125	1	0.020	0.133	0.800	0.212	2.000	1.177	1.523	0.000002	0.008822
53	<i>Pterocarpus marsupium</i> (Piyasal)	25	125	15	0.250	1.666	12.000	3.185	1.667	0.981	5.831	0.000277	0.068205
54	<i>Randia spinose</i> (Gurmann)	3	125	1	0.030	0.200	0.800	0.212	3.000	1.766	2.178	0.000004	0.012422
55	<i>Rivea hypocrateriformis</i>	4	125	4	0.040	0.266	3.200	0.849	1.000	0.589	1.704	0.000007	0.015796

56	<i>Rungia pectinata</i>	173	125	34	1.730	11.526	27.200	7.219	5.088	2.996	21.740	0.013284	0.249023
57	<i>Shorea robusta</i> (Sal)	115	125	33	1.150	7.662	26.400	7.006	3.485	2.052	16.720	0.005870	0.196822
58	<i>Sida cordata</i>	6	125	3	0.060	0.400	2.400	0.637	2.000	1.177	2.214	0.000016	0.022074
59	<i>Smilax ovalifolia</i> (Ramdantan/Kumarika)	3	125	1	0.030	0.200	0.800	0.212	3.000	1.766	2.178	0.000004	0.012422
60	<i>Soymida febrifuga</i> (Raktaraheda)	1	125	1	0.010	0.067	0.800	0.212	1.000	0.589	0.868	0.000000	0.004873
61	<i>Tamilnadia uliginosa</i>	5	125	3	0.050	0.333	2.400	0.637	1.667	0.981	1.951	0.000011	0.019002
62	<i>Terminalia chebula</i>	1	125	1	0.010	0.067	0.800	0.212	1.000	0.589	0.868	0.000000	0.004873
63	<i>Triumfetta rhomboidea</i>	11	125	5	0.110	0.733	4.000	1.062	2.200	1.295	3.090	0.000054	0.036027
64	<i>Ziziphus oenopolia</i> (Shiakul)	9	125	4	0.090	0.600	3.200	0.849	2.250	1.325	2.773	0.000036	0.030680
	Total	1501			15.010	100.000	376.800	100.000	169.8 59	100.000	300.00 0	0.055046	3.318719

Simpson index = **0.055046**, i.e. concentration of dominance of species.

Shanon weiner index= **3.318719**, i.e. measure of species diversity.

Herb data analysis (Post-monsoon)

Sl	Name	Total number of individuals of a species in all the quadrant	Total number of quadrat studied	No. of quadrants in which the species has occurred	Density (D)	Relative Density (RD)	Frequency (F)	Relative Frequency (RF)	Abundance (A)	Relative Abundance (RA)	IVI	pi ²	piInpi
1	<i>Albizia procera</i> (Sada shirish)	8	125	6	0.080	0.341	4.800	0.955	1.333	0.621	1.917	0.000012	0.019352
2	<i>Ampelocissus latifolia</i>	1	125	1	0.010	0.043	0.800	0.159	1.000	0.466	0.667	0.000000	0.003304
3	<i>Anisomeles sp</i>	3	125	1	0.030	0.128	0.800	0.159	3.000	1.397	1.684	0.000002	0.008510
4	<i>Aristolochia indica</i>	6	125	3	0.060	0.255	2.400	0.478	2.000	0.931	1.664	0.000007	0.015249
5	<i>Asparagus officinalis</i> (Satamuli)	41	125	25	0.410	1.745	20.000	3.981	1.640	0.764	6.490	0.000305	0.070658
6	<i>Azanza lampas</i> (Ban kapas)	10	125	4	0.100	0.426	3.200	0.637	2.500	1.164	2.227	0.000018	0.023240
7	<i>Blumea flava</i>	186	125	32	1.860	7.918	25.600	5.096	5.813	2.706	15.720	0.006270	0.200807
8	<i>Buchanania cochinchinensis</i> (Piyal)	17	125	6	0.170	0.724	4.800	0.955	2.833	1.319	2.998	0.000052	0.035668
9	<i>Byttneria hebecea</i>	33	125	15	0.330	1.405	12.000	2.389	2.200	1.024	4.818	0.000197	0.059920
10	<i>Canscora diffusa</i>	80	125	20	0.800	3.406	16.000	3.185	4.000	1.862	8.453	0.001160	0.115103
11	<i>Casearia tomentosa</i> (Churchuman)	1	125	1	0.010	0.043	0.800	0.159	1.000	0.466	0.667	0.000000	0.003304
12	<i>Centotheca sp</i>	7	125	1	0.070	0.298	0.800	0.159	7.000	3.259	3.717	0.000009	0.017331
13	<i>Cheilanthes sp</i>	9	125	3	0.090	0.383	2.400	0.478	3.000	1.397	2.258	0.000015	0.021320
14	<i>Chlorophytum sp</i>	27	125	10	0.270	1.149	8.000	1.592	2.700	1.257	3.999	0.000132	0.051332

15	<i>Chromolaena odorata</i> (Eupatorium sp.)	11	125	7	0.110	0.468	5.600	1.115	1.571	0.732	2.315	0.000022	0.025118
16	<i>Cissus repanda</i>	20	125	5	0.200	0.851	4.000	0.796	4.000	1.862	3.510	0.000072	0.040579
17	<i>Cleistanthus collinus</i> (Podasi)	10	125	7	0.100	0.426	5.600	1.115	1.429	0.665	2.206	0.000018	0.023240
18	<i>Crotalaria albida</i>	29	125	9	0.290	1.235	7.200	1.433	3.222	1.500	4.168	0.000152	0.054252
19	<i>Croton persimilis</i> (Putula)	10	125	4	0.100	0.426	3.200	0.637	2.500	1.164	2.227	0.000018	0.023240
20	<i>Curculigo orchioides</i> (Talmuli)	46	125	12	0.460	1.958	9.600	1.911	3.833	1.785	5.654	0.000383	0.077021
21	<i>Curcuma aromatica</i> (Bonholud)	43	125	7	0.430	1.831	5.600	1.115	6.143	2.860	5.805	0.000335	0.073233
22	<i>Cyanotis sp</i>	1	125	1	0.010	0.043	0.800	0.159	1.000	0.466	0.667	0.000000	0.003304
23	<i>Cyanthillium cinereum</i>	138	125	49	1.380	5.875	39.200	7.803	2.816	1.311	14.989	0.003451	0.166522
24	<i>Cynodon dactylon</i>	15	125	3	0.150	0.639	2.400	0.478	5.000	2.328	3.444	0.000041	0.032271
25	<i>Cyperus niveus</i>	203	125	35	2.030	8.642	28.000	5.573	5.800	2.701	16.916	0.007468	0.211602
26	<i>Dalbergia sissoo</i> (Sishu)	15	125	10	0.150	0.639	8.000	1.592	1.500	0.698	2.929	0.000041	0.032271
27	<i>Diospyros melanoxylon</i> (Kendu)	24	125	4	0.240	1.022	3.200	0.637	6.000	2.794	4.452	0.000104	0.046832
28	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	5	125	2	0.050	0.213	1.600	0.318	2.500	1.164	1.695	0.000005	0.013096
29	<i>Eulaliopsis binata</i>	131	125	20	1.310	5.577	16.000	3.185	6.550	3.050	11.811	0.003110	0.160978
30	<i>Eulophia explanata</i>	26	125	7	0.260	1.107	5.600	1.115	3.714	1.729	3.951	0.000123	0.049849
31	<i>Evolvulus nummularius</i>	13	125	4	0.130	0.553	3.200	0.637	3.250	1.513	2.704	0.000031	0.028760
32	<i>Fimbristylis sp</i>	25	125	4	0.250	1.064	3.200	0.637	6.250	2.910	4.611	0.000113	0.048349
33	<i>Flacourtia indica</i> (Baichi)	5	125	3	0.050	0.213	2.400	0.478	1.667	0.776	1.467	0.000005	0.013096
34	<i>Geodorum densiflorum</i>	3	125	1	0.030	0.128	0.800	0.159	3.000	1.397	1.684	0.000002	0.008510
35	<i>Grewia hirsuta</i> (Kukurbicha)	33	125	10	0.330	1.405	8.000	1.592	3.300	1.537	4.534	0.000197	0.059920
36	<i>Helicteres isora</i>	2	125	1	0.020	0.085	0.800	0.159	2.000	0.931	1.176	0.000001	0.006018
37	<i>Hemidesmus indicus</i> (Anantamul)	18	125	9	0.180	0.766	7.200	1.433	2.000	0.931	3.131	0.000059	0.037329
38	<i>Holarrhena pubescens</i> (Kurchi)	3	125	1	0.030	0.128	0.800	0.159	3.000	1.397	1.684	0.000002	0.008510
39	<i>Hybanthus enneaspermus</i>	84	125	12	0.840	3.576	9.600	1.911	7.000	3.259	8.746	0.001279	0.119114
40	<i>Imperata cylindrica</i> (Chirughas)	15	125	1	0.150	0.639	0.800	0.159	15.000	6.984	7.782	0.000041	0.032271
41	<i>Indigofera heterantha</i>	5	125	2	0.050	0.213	1.600	0.318	2.500	1.164	1.695	0.000005	0.013096
42	<i>Lannea coromandelica</i> (Jiyol)	6	125	5	0.060	0.255	4.000	0.796	1.200	0.559	1.610	0.000007	0.015249
43	<i>Lepidagathis incurva</i>	114	125	37	1.140	4.853	29.600	5.892	3.081	1.435	12.179	0.002355	0.146834
44	<i>Leucas angularis</i>	22	125	7	0.220	0.937	5.600	1.115	3.143	1.463	3.515	0.000088	0.043744
45	<i>Lygodium sp.</i> (Bedajal)	24	125	13	0.240	1.022	10.400	2.070	1.846	0.860	3.951	0.000104	0.046832
46	<i>Meyna laxiflora</i>	1	125	1	0.010	0.043	0.800	0.159	1.000	0.466	0.667	0.000000	0.003304
47	<i>Murdannia edulis</i>	18	125	5	0.180	0.766	4.000	0.796	3.600	1.676	3.239	0.000059	0.037329
48	<i>Polygala crotalarioides</i> (Nelkantha)	87	125	35	0.870	3.704	28.000	5.573	2.486	1.157	10.434	0.001372	0.122068
49	<i>Orthosiphon thymiflorus</i>	15	125	5	0.150	0.639	4.000	0.796	3.000	1.397	2.832	0.000041	0.032271
50	<i>Ougeinia oojeinensis</i>	2	125	2	0.020	0.085	1.600	0.318	1.000	0.466	0.869	0.000001	0.006018
51	<i>Pentanema indicum</i> Syn. <i>Vicoa indica</i>	119	125	20	1.190	5.066	16.000	3.185	5.950	2.770	11.021	0.002566	0.151099
52	<i>Phoenix sylvestris</i>	7	125	4	0.070	0.298	3.200	0.637	1.750	0.815	1.750	0.000009	0.017331
53	<i>Phyllanthus emblica</i>	3	125	2	0.030	0.128	1.600	0.318	1.500	0.698	1.145	0.000002	0.008510
54	<i>Plumbago zeylanica</i>	4	125	3	0.040	0.170	2.400	0.478	1.333	0.621	1.269	0.000003	0.010856

55	<i>Pteridium sp</i>	3	125	2	0.030	0.128	1.600	0.318	1.500	0.698	1.145	0.000002	0.008510
56	<i>Pterocarpus marsupium</i> (Piyasal)	39	125	17	0.390	1.660	13.600	2.707	2.294	1.068	5.435	0.000276	0.068041
57	<i>Randia spinose</i> (Gurmann)	3	125	1	0.030	0.128	0.800	0.159	3.000	1.397	1.684	0.000002	0.008510
58	<i>Rivea hypocrateriformis</i>	6	125	5	0.060	0.255	4.000	0.796	1.200	0.559	1.610	0.000007	0.015249
59	<i>Rungia pectinata</i>	224	125	34	2.240	9.536	27.200	5.414	6.588	3.068	18.018	0.009093	0.224105
60	<i>Shorea robusta</i> (Sal)	225	125	45	2.250	9.579	36.000	7.166	5.000	2.328	19.072	0.009175	0.224679
61	<i>Sida cordata</i>	8	125	3	0.080	0.341	2.400	0.478	2.667	1.242	2.060	0.000012	0.019352
62	<i>Smilax ovalifolia</i> (Ramdantan/Kumarika)	10	125	6	0.100	0.426	4.800	0.955	1.667	0.776	2.157	0.000018	0.023240
63	<i>Soymida febrifuga</i> (Raktaraheda)	1	125	1	0.010	0.043	0.800	0.159	1.000	0.466	0.667	0.000000	0.003304
64	<i>Tamilnadia uliginosa</i>	13	125	5	0.130	0.553	4.000	0.796	2.600	1.211	2.560	0.000031	0.028760
65	<i>Terminalia belerica</i> (Bahera)	3	125	1	0.030	0.128	0.800	0.159	3.000	1.397	1.684	0.000002	0.008510
66	<i>Terminalia chebula</i>	1	125	1	0.010	0.043	0.800	0.159	1.000	0.466	0.667	0.000000	0.003304
67	<i>Triumfetta rhomboidea</i>	15	125	5	0.150	0.639	4.000	0.796	3.000	1.397	2.832	0.000041	0.032271
68	<i>Ziziphus oenopolia</i> (Shiakul)	14	125	5	0.140	0.596	4.000	0.796	2.800	1.304	2.696	0.000036	0.030531
	Total	2349		628	23.490	100.000	502.400	100.000	214.770	100.000	300.000	0.050554	3.393295

Simpson index = **0.050554**, i.e. concentration of dominance of species.

Shanon weiner index= **3.393295**, i.e. measure of species diversity.

List of Climbers, Lianus, Stem Parasitise, Ground Orchids and Epiphytes

Plants Name	Family
<i>Aristolochia indica</i>	Aristolochiaceae
<i>Hemidesmus indicus</i>	Apocynaceae
<i>Erycibe paniculata</i>	Convolvulaceae
<i>Bauhinia vahlii</i>	Fabaceae
<i>Spatholobous parviflorous</i>	Fabaceae
<i>Smilax zeylanica</i>	Smilacaceae
<i>Combretum roxburghii</i>	Combretaceae
<i>Asparagus officinalis</i>	Asparagaceae
<i>Marsdenia tenacissima</i>	Apocynaceae
<i>Dregea volubilis</i>	Asclepiadaceae
<i>Ampelocissus latifolia</i>	Vitaceae
<i>Dioscorea pentaphylla</i>	Dioscoreaceae
<i>Hultholia mimosoides</i>	Fabaceae
<i>Rivea hypocrateriformis</i>	Convolvulaceae
<i>Cissus repanda</i>	Vitaceae
<i>Dendrophthoe falcata</i>	Loranthaceae
<i>Viscum album</i>	Santalaceae
<i>Viscum articulatum</i>	Santalaceae
<i>Vanda tessellata</i>	Orchidaceae
<i>Oberonia sp</i>	Orchidaceae
<i>Dendrobium sp</i>	Orchidaceae
<i>Rhynchostylis sp</i>	Orchidaceae
<i>Eulophia explanata</i>	Orchidaceae
<i>Geodorum densiflorum</i>	Orchidaceae
<i>Butea superba</i>	Fabaceae
<i>Luffa aegyptiaca</i>	Cucurbitaceae
<i>Dioscorea villosa</i>	Dioscoreaceae
<i>Dioscorea bulbifera</i>	Dioscoreaceae
<i>Coccinia grandis</i>	Cucurbitaceae
<i>Ichnocarpus frutescens</i>	Apocynaceae

In addition to above mentioned species found in the sample plot, the following species has also been noted in the MPCA while making grids, transects, aligning plots, making movements within the MPCA and demarcated boundary.

Sl. No.	Botanical name	Local Name	Habit
1.	<i>Adiantum lunulatum</i> Burm.f.	Kalohapi	Fern
2.	<i>Wrightia arborea</i> (Dennst.) Mabb.	Aro Kurchi	Tree
3.	<i>Amorphophallus sylvaticus</i> (Roxb.) Kunth	Ban ole	Herb
4.	<i>Iphigenia indica</i> (L.) Kunth	Ban piaj	Herb
5.	<i>Baccharoides anthelmintica</i> (L.) Moench	Ban Somraj	Herb
6.	<i>Oroxylum indicum</i> (L.) Kurz	Bhaluksakti	Tree
7.	<i>Ipomoea mauritiana</i> Jacq.	Bhui Kumra	Trailing Shrub
8.	<i>Erioglossum rubiginosum</i> (Roxb.) Blume	Bhur Kusum	Tree
9.	<i>Kydia calycina</i> Roxb.	Bhuri Kapas	Tree
10.	<i>Miliusa velutina</i> (A.DC.) Hook.f. & Thomson	Chapati	Tree
11.	<i>Dioscorea pentaphylla</i> L.	Churka Alu	Climbing shrub
12.	<i>Dioscorea esculenta</i> (Lour.) Burkill	Dhan alu	Climbing shrub
13.	<i>Gardenia latifolia</i> Aiton.	Dom Bhurru	Tree
14.	<i>Schrebera swietenoides</i> Roxb.	Ghanta parul	Tree
15.	<i>Ziziphus nummularia</i> (Burm. f.) Wight. & Arn.	Ghut kul	Low shrub
16.	<i>Albizia odoratissima</i> (L.f.) Benth.	Kala Siris	Tree
17.	<i>Andrographis paniculata</i> (Burm.f.) Nees	Kalmegh	Herb
18.	<i>Bauhinia purpurea</i> Linn.	Kanchan	Tree
19.	<i>Bridelia retusa</i> (L.) A.Juss.	Kasoi	Tree
20.	<i>Mitragyna parviflora</i> (Roxb.) Korth.	Kelikadam	Tree
21.	<i>Celastrus paniculatus</i> Willd.	Kujri	Scandent shrub
22.	<i>Litsea glutinosa</i> (Lour.) C.B. Rob.	Kukurchita	Tree
23.	<i>Schleichera oleosa</i> (Lour.) Merr.	Kusum	Tree
24.	<i>Elephantopus scaber</i> Linn.	Mayur Jhuti	Herb
25.	<i>Cassine glauca</i> (Rottb.) Kuntze.	Meroi	Tree
26.	<i>Polygala crotalarioides</i> Buch.-Ham. ex DC.	Neelkantho	Herb
27.	<i>Antidesma ghaesembilla</i> Gaertn.	Photka	Tree
28.	<i>Cordia macleodii</i> Hook.f. & Thomson	Sitapatra	Tree
29.	<i>Salvia plebeia</i> R. Br.	Sukri pota	Herb
30.	<i>Antidesma acidum</i> Retz.	Suramatha	Tree
31.	<i>Wendlandia heynei</i> (Schult) Santapau & Merchant Syn. <i>W.exserta</i> (Roxb.) DC	Tilai	Tree
32.	<i>Syzygium zeylanicum</i> (L.) DC.	Tita Jam	Tree
33.	<i>Ageratum conyzoides</i> (L.) L.	Uchunti	Herb

FIELD DATA SHEETS OF EACH SAMPLE PLOT

Field Data Sheet-1A

Grid No.: 1

Name of the site: Bagdoba

Plot no.: 1A

Slope angle:

Layer 1A: Tree (20×20 m)

Latitude: 22°43'06.896" N

Longitude: 86°34'39.603" E

Altitude: 982 ft

Aspect:

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
1.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	50	12
2.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	6.5
3.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	32	13.30
4.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	45	18.40
5.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	8.50
6.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	6.50
7.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	49	12.40
8.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	51	22
9.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	9.50
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	80	10
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	29	13
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	49	22.50
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	10.50
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	10
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	4.50
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	128	30
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	4
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	26	12
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	26	10.5
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	8.40
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	3.50
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	45	23
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	60	18
24.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	5
25.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	6.50
26.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	9.50
27.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	10.50
28.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	3.50
29.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	45	8
30.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	30	8.40
31.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	33	7
32.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	43	12
33.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	23	48
34.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	22	6.30
35.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	24	6

36.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	32	12
37.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	30	8
38.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	61	10
39.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	14	5
40.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	41	8.5
41.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	3.40
42.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	3.40
43.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	1.3
44.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	3
45.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	26	4
46.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	1.5
47.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	22	8.50
48.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	8	2.50
49.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	14	6
50.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	14	3.50
51.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	14	2
52.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	19	5.50
53.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	10	4
54.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	17	5.50
55.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	10	3.50
56.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	13	5.30
57.	<i>Cassia fistula</i> (Bandorlathi)	Fabaceae	17	10.5
58.	<i>Cassia fistula</i> (Bandorlathi)	Fabaceae	32	10
59.	<i>Cassia fistula</i> (Bandorlathi)	Fabaceae	20	8
60.	<i>Terminalia alata</i> (Asan)	Combretaceae	27	8.50
61.	<i>Terminalia alata</i> (Asan)	Combretaceae	45	22.50
62.	<i>Terminalia alata</i> (Asan)	Combretaceae	30	15.40
63.	<i>Terminalia alata</i> (Asan)	Combretaceae	24	8
64.	<i>Terminalia alata</i> (Asan)	Combretaceae	33	9.30
65.	<i>Terminalia alata</i> (Asan)	Combretaceae	15	4
66.	<i>Terminalia alata</i> (Asan)	Combretaceae	100	14
67.	<i>Terminalia alata</i> (Asan)	Combretaceae	16	3.5
68.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	40	15.30
69.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	70	18
70.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	66	18
71.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	54	20.50
72.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	73	22
73.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	11	3.50
74.	<i>Holarrhena pubescens</i> (kurchi)	Apocynaceae	23	8
75.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	9	2
76.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	12	5
76.	<i>Milium velutina</i> (Chapati)	Annonaceae	10	30
77.	<i>Milium velutina</i> (Chanpati)	Annonaceae	13	40

Layer 1AS1: Shrub (5×5 m) [22°43'06.896" N; 86°34'39.603" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
1.	<i>Thespesia lampas</i> (Ban kapas)	Malvaceae	4	2	5
2.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	7	7	7
3.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	6	5	6
4.	<i>Smilax ovalifolia</i> (Ramdantan/Kumarika)	Smilacaceae	2	-	3
5.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	3	3	3
6.	<i>Hultholia mimosoides</i> (Kundrulota)	Fabaceae	1	-	1
7.	<i>Hemidesmus indicus</i> (Anantamul)	Apocynaceae	3	-	4
8.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	7	5	8
9.	<i>Terminalia alata</i> (Asan)	Combretaceae	1	1	1
10.	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	Apocynaceae	1	1	1
11.	<i>Meyna laxiflora</i> (Maina kanta)	Rubiaceae	1	-	1
12.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	2	1	2
13.	<i>Cassia fistula</i> (Bandorlathi)	Fabaceae	1	1	1
14.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	1	-	1
15.	<i>Ehretia acuminata</i> (Kulu aja)	Boraginaceae	1	1	2

Layer 1AS2: Shrub (5×5 m) [22°43'06.509" N; 86°34'39.795" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
1.	<i>Thespesia lampas</i> (Ban kapas)	Malvaceae	5	2	5
2.	<i>Hultholia mimosoides</i> (Kundrulota)	Fabaceae	10	7	12
3.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	7	7	7
4.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	3	3	3
5.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	14	12	17
6.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	2	2
7.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	15	22
8.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	1	1	1
9.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	1	1
10.	<i>Chromolaena odorata</i> (Bagh dhoka) (<i>Eupatorium</i> sp.)	Asteraceae	1	1	1
11.	<i>Meyna laxiflora</i> (Maina kanta)	Rubiaceae	1	-	1
12.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	3	3	3
13.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	2	2	2

Layer 1AS3: Shrub (5×5 m) [22°43'06.509" N; 86°34'39.795" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
1.	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	Apocynaceae	1	1	1
2.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	8	6	9
3.	<i>Lygodium</i> sp. (Bedajal)	Lygodiaceae	1	1	1
4.	<i>Smilax zeylanica</i> (Ramdantan/Kumarika)	Smilacaceae	2	-	2

5.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	10	7	10
6.	<i>Ichnocarpus frutescens</i> (Dudhilata)	Apocynaceae	3	2	3
7.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	3	3	3
8.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	6	6	6
9.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	1	1	1
10.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	2	-	2
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	14	20
12.	<i>Terminalia alata</i> (Asan)	Combretaceae	5	5	5
13.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	3	3	3
14.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	4	3	4
15.	<i>Dioscorea bulbifera</i> (Shikorpanja)	Dioscoreaceae	1	1	1
16.	<i>Miliusa velutina</i> (Chapati)	Annonaceae	2	2	2
17.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	1	1	1
18.	<i>Grewia hirsuta</i> (Kukurbicha)	Malvaceae	4	3	6

Layer 1AS4: Shrub (5×5 m) [22°43'07.305" N; 86°34'39.993" E]

Sl. No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Grewia hirsuta</i> (Kukurbicha)	Malvaceae	13	10	12
02.	<i>Madhuca longifolia</i> (Mahua)	Sapotaceae	1	1	1
03.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	5	3	5
04.	<i>Miliusa velutina</i> (Chapati)	Annonaceae	2	2	2
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	31	22	34
06.	<i>Smilax ovalifolia</i> (Ramdantan/Kumarika)	Smilacaceae	1	-	1
07.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	3	3	3
08.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	2	2	2
09.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	7	7	7
10.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	3	1	3
11.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	1	1
12.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	2	2
13.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	5	5	5
14.	<i>Hultholia mimosoides</i> (Kundrulota)	Fabaceae	3	2	4
15.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	2	-	2
16.	<i>Ehretia acuminata</i> (Kulu aja)	Boraginaceae	1	-	1

Layer 1AH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyperus sp</i>	Cyperaceae	1	-	1
02.	<i>Chromolaena odorata</i> (Bagh dhoka) (<i>Eupatorium sp.</i>)	Asteraceae	1	1	1

Layer 1AH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	1	1	1

Layer 1AH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Imperata cylindrica</i> (Chirughas)	Poaceae	15	12	15
02.	<i>Curcuma aromatica</i> (Bonholud)	Zingiberaceae	5	5	5
03.	<i>Curculigo orchioides</i> (Talmuli)	Hypoxidaceae	8	2	9
04.	<i>Smilax ovalifolia</i> (Ramdantan/Kumarika)	Smilacaceae	1	-	1

Layer A1H4: Herb (1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	1	-	1
02.	<i>Curculigo orchioides</i> (Talmuli)	Hypoxidaceae	4	2	4

Layer 1AH5 (Middle): Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cynodon dactylon</i> (Durba)	Poaceae	1	1	1
02.	<i>Curcuma aromatica</i> (Bonholud)	Zingiberaceae	3	1	3
03.	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	Apocynaceae	1	1	1
04.	<i>Curculigo orchioides</i> (Talmuli)	Hypoxidaceae	4	1	5
05.	<i>Geodorum densiflorum</i> (Paglaguri)	Orchidaceae	3	3	3
06.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	1	-	1

Field Data Sheet-1B

Grid No.: 1

Name of the site: Bagdoba

Plot no.: 1B

Slope angle:

Layer 1B: Tree (20×20 m)

Latitude: 22°43'07.560" N

Longitude: 86°34'41.973"E

Altitude: 982 ft

Aspect:

SI No.	Name/Code of species	Family	Girth (cm)	Height (m)
1.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	26	15
2.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	58	22
3.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	9.50
4.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	32	10.50
5.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	2.50
6.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	51	18
7.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	85	22.5
8.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	5
9.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	59	25
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	10
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	27	14
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	2.50
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	6
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	39	15
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	22	5.50
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	58	16
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	10
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	38	16
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	10
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	4
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	49	18
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	26	10
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	60	18
24.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	26	12
25.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	30	14
26.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	38	16
27.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	3.50
28.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	51	14.60
29.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	44	16
30.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	6
31.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	4
32.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	8
33.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	33	18.50
34.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	2.50
35.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	39	14
36.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	41	16
37.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	69	22
38.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	37	16

39.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	45	16
40.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	12
41.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	7.5
42.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	5
43.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	27	10
44.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	21	9
45.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	32	15.50
46.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	59	22
47.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	4
48.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	34	14.50
49.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	67	20.50
50.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	40	10
51.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	3
52.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	13.5
53.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	4
54.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	18	3.50
55.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	24	12
56.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	69	13
57.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	43	11
58.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	9	2.50
59.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	16	6
60.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	63	16
61.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	42	12.50
62.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	15	3.50
63.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	46	15
64.	<i>Madhuca longifolia</i> (Mahua)	Sapotaceae	8	6.50
65.	<i>Madhuca longifolia</i> (Mahua)	Sapotaceae	13	4
66.	<i>Madhuca longifolia</i> (Mahua)	Sapotaceae	7	2.50
67.	<i>Madhuca longifolia</i> (Mahua)	Sapotaceae	9	2.50
68.	<i>Madhuca longifolia</i> (Mahua)	Sapotaceae	26	10
69.	<i>Madhuca longifolia</i> (Mahua)	Sapotaceae	8	2
70.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	29	11
71.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	20	5
72.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	4.5
73.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	29	8
74.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	4.5
75.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	2
76.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	4.5
77.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	3.5
78.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	11	3
79.	<i>Terminalia alata</i> (Asan)	Combretaceae	17	7
80.	<i>Terminalia alata</i> (Asan)	Combretaceae	17	6
81.	<i>Terminalia alata</i> (Asan)	Combretaceae	17	6
82.	<i>Terminalia alata</i> (Asan)	Combretaceae	15	8

83.	<i>Terminalia alata</i> (Asan)	Combretaceae	13	4.5
84.	<i>Terminalia alata</i> (Asan)	Combretaceae	12	3
85.	<i>Terminalia alata</i> (Asan)	Combretaceae	13	6
86.	<i>Terminalia alata</i> (Asan)	Combretaceae	45	16
87.	<i>Terminalia alata</i> (Asan)	Combretaceae	38	15
88.	<i>Terminalia alata</i> (Asan)	Combretaceae	48	18
89.	<i>Terminalia alata</i> (Asan)	Combretaceae	23	10.5
90.	<i>Terminalia alata</i> (Asan)	Combretaceae	11	6
91.	<i>Terminalia alata</i> (Asan)	Combretaceae	27	10
92.	<i>Terminalia alata</i> (Asan)	Combretaceae	53	18
93.	<i>Terminalia alata</i> (Asan)	Combretaceae	32	13
94.	<i>Terminalia alata</i> (Asan)	Combretaceae	22	8
95.	<i>Terminalia alata</i> (Asan)	Combretaceae	24	2
96.	<i>Terminalia alata</i> (Asan)	Combretaceae	25	14
97.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	39	15
98.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	12	4.5
99.	<i>Milium velutina</i> (Chapati)	Annonaceae	10	3.5
100.	<i>Milium velutina</i> (Chanpati)	Annonaceae	17	7.5
101.	<i>Milium velutina</i> (Chapati)	Annonaceae	16	3.5
102.	<i>Milium velutina</i> (Chanpati)	Annonaceae	31	16
103.	<i>Albizia procera</i> (Sada shirish)	Fabaceae	81	12
104.	<i>Albizia procera</i> (Sada shirish)	Fabaceae	69	20
105.	<i>Meyna laxiflora</i> (Maina Kanta)	Rubiaceae	7	2
106.	<i>Lagerstroemia parviflora</i> (Sidha)	Lythraceae	9	3.5
107.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	18	10
108.	<i>Vitex glabrata</i> (Bhadu)	Lamiaceae	15	3.5
109.	<i>Syzygium cumini</i> (Jam)	Myrtaceae	19	8
110.	<i>Lanea coromandelica</i> (Jiol)	Anacardiaceae	9	3
111.	<i>Wendlandia heynei</i> (Tilai)	Rubiaceae	60	15
112.	<i>Wendlandia heynei</i> (Tilai)	Rubiaceae	32	10
113.	<i>Ehretia acuminata</i> (Kulu aja)	Boraginaceae	37	10

Layer 1BS1: Shrub (5x5 m) [22°43'07.560" N; 86°34'41.973"E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5x5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	66	59	68
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	10	10	10
03.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	2	2
04.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	10	10	10
05.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	4	2	4
06.	<i>Milium velutina</i> (Chanpati)	Annonaceae	2	1	2
07.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	2	-	2
08.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i>	Fabaceae	1	-	1

	(Chihurlata)				
09.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	6	6	6

Layer 1BS2: Shrub (5×5 m) [22°43'07.532" N; 86°34'42.550"E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	53	50	55
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	14	10	15
03.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	2	2
04.	<i>Madhuca longifolia</i> (Mahua)	Sapotaceae	23	18	25
05.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	1	1	1
06.	<i>Azanza lampas</i> (Ban kapas)	<i>Malvaceae</i>	1	-	1
07.	<i>Smilax zeylanica</i> (Ramdantan/Kumarika)	Smilacaceae	5	2	5
08.	<i>Casearia tomentosa</i> (Churchumann)	Salicaceae	1	-	1

Layer1BS3: Shrub (5×5 m) [22°43'08.065" N; 86°34'42.284"E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	2	2	2
02.	<i>Madhuca longifolia</i> (Mahua)	Sapotaceae	6	5	6
03.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	8	4	10
04.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	3	3	3
05.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	1	1
06.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	2	2	2
07.	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	Apocynaceae	2	1	2

Layer 1BS4: Shrub (5×5 m) [22°43'08.045" N; 86°34'41.568"E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	10	10
02.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	2	2	2
03.	<i>Madhuca longifolia</i> (Mahua)	Sapotaceae	6	6	6
04.	<i>Cassia fistula</i> (Bandorlathi)	Fabaceae	2	2	2
05.	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	Apocynaceae	20	18	23
06.	<i>Terminalia alata</i> (Asan)	Combretaceae	1	1	1
07.	<i>Miliusa velutina</i> (Chanpati)	Annonaceae	1	-	1
08.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	1	1	1

Layer 1BH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	4	2	4
02.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	3	3	4

Layer 1BH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Lygodium</i> sp (Berdajal)	Lygodiaceae	2	2	3
02.	<i>Cyanotis</i> sp	Commelinaceae	1	-	1

Layer 1BH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	2	-	2
02.	<i>Lygodium</i> sp (Berdajal)	Lygodiaceae	2	2	3
03.	<i>Blumea flava</i>	Asteraceae	1	-	1

Layer 1BH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	2	2	2
02.	<i>Chlorophytum</i> sp	Asparagaceae	1	1	1

Layer 1BH5(Middle): Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Chlorophytum</i> sp	Asparagaceae	3	2	3
02.	<i>Triumfetta rhomboidea</i> (Ban okra)	Malvaceae	1	1	2
03.	<i>Lygodium</i> sp (Berdajal)	Lygodiaceae	1	-	1
04.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	2	2	2

Field Data Sheet-1C

Grid No.: 1

Name of the site: Bagdoba

Plot no.: 1C

Slope angle:

Layer 1C: Tree (20×20 m)

Latitude: 22°43'08.111" N

Longitude: 86°34'43.953"E

Altitude: 982 ft

Aspect:

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
1.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	9
2.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	46	21
3.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	5
4.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	40	12.50
5.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	31	10.50
6.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	53	16
7.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	21	9.50
8.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	60	14.50
9.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	7	2.50
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	3.50
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	16
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	75	18.50
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	6.50
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3.50
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	111	10
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	9.50
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	9.50
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	33	12
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	2.50
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	3
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	5
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	22	8
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	43	14
24.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	29	9.50
25.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	10.50
26.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	22	10
27.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	33	8.50
28.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	128	22
29.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	7
30.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	15
31.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	27	10
32.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	21	9.50
33.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	3.50
34.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3.50
35.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	33	12
36.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	4
37.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	33	16
38.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	38	12
39.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	8	3
40.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	7.60
41.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3.50
42.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	2.50

43.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	37	11.50
44.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	38	10
45.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	16
46.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	10
47.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	12
48.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	50	16
49.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	9
50.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	8.50
51.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	27	9.50
52.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3
53.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	46	18.50
54.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	6.50
55.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	26	16
56.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	41	20
57.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	42	15.50
58.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	8
59.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	6
60.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	39	10
61.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3.50
62.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	8
63.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	3.50
64.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	22	8
65.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	27	9.50
66.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	55	21
67.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	55	22
68.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	4.50
69.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	27	9.50
70.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	13.50
71.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	3
72.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	5.50
73.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	20	5
74.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	37	15
75.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	9	2.50
76.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	23	9.50
78.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	24	8
79.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	12	3.50
80.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	10	3.50
81.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	66	18
82.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	56	25
83.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	16	5
84.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	12	4
85.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	6	2
86.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	21	8
87.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	7	2.50
88.	<i>Madhuca longifolia</i> (Mahua)	Sapotaceae	59	18
89.	<i>Madhuca longifolia</i> (Mahua)	Sapotaceae	25	18.50
90.	<i>Madhuca longifolia</i> (Mahua)	Sapotaceae	16	3.50
91.	<i>Cassia fistula</i> (Bandorlathi)	Fabaceae	28	10.50
92.	<i>Cassia fistula</i> (Bandorlathi)	Fabaceae	10	4.50
93.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	11	4

94.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	19	3
95.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	2.50
96.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	6	3
97.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	3.50
98.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	15	5
99.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	8	2
100.	<i>Terminalia alata</i> (Asan)	Combretaceae	50	20
101.	<i>Terminalia alata</i> (Asan)	Combretaceae	53	21
102.	<i>Terminalia alata</i> (Asan)	Combretaceae	18	9.50
103.	<i>Terminalia alata</i> (Asan)	Combretaceae	51	16.50
104.	<i>Terminalia alata</i> (Asan)	Combretaceae	40	16
105.	<i>Terminalia alata</i> (Asan)	Combretaceae	24	10.50
106.	<i>Terminalia alata</i> (Asan)	Combretaceae	27	4.50
107.	<i>Terminalia alata</i> (Asan)	Combretaceae	17	6
108.	<i>Terminalia alata</i> (Asan)	Combretaceae	10	4.50
109.	<i>Terminalia alata</i> (Asan)	Combretaceae	26	10
110.	<i>Terminalia alata</i> (Asan)	Combretaceae	15	6
111.	<i>Terminalia alata</i> (Asan)	Combretaceae	30	20
112.	<i>Terminalia alata</i> (Asan)	Combretaceae	28	10.50
113.	<i>Terminalia alata</i> (Asan)	Combretaceae	14	3
114.	<i>Terminalia alata</i> (Asan)	Combretaceae	21	4.50
115.	<i>Terminalia alata</i> (Asan)	Combretaceae	29	18
116.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	14	6
117.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	20	7
118.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	13	6
119.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	6	2.50
120.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	25	9.50
121.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	24	8
122.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	24	9.50
123.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	9	3.50
124.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	19	8.50
125.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	44	14.50
126.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	17	8.50
127.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	9	2.50
128.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	12	2
129.	<i>Careya arborea</i> (Asta) (Asta/ Kumbhi)	Lecythidaceae	7	2
130.	<i>Nyctanthes arbor-tristis</i> (Shiuli)	Oleaceae	20	5
131.	<i>Syzygium cumini</i> (Jam)	Myrtaceae	43	3.50
132.	<i>Ehretia acuminata</i> (Kulu aja)	Boraginaceae	66	16
133.	<i>Ehretia acuminata</i> (Kulu aja)	Boraginaceae	64	18
134.	<i>Ehretia acuminata</i> (Kulu aja)	Boraginaceae	84	21

Layer 1CS1: Shrub (5×5 m) [22°43'08.111" N; 86°34'43.953"E]

SI No.	Name/Code of species	Family	No. of individual (s) in the plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	56	35	60
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	9	9	9
03.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	1	1	1
04.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	8	6	9
05.	<i>Erycibe paniculata</i> . (Karilata)	Convolvulaceae	3	3	3

06.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	2	2	2
07.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	1	1	1
08.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	4	2	4
09.	<i>Dioscorea bulbifera</i> (Shikorpanja)	Dioscoreaceae	1	1	1
10.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	1	1
11.	<i>Smilax ovalifolia</i> (Ramdantan/Kumarika)	Smilacaceae	9	2	10
12.	<i>Casearia tomentosa</i> (Churchumann)	Salicaceae	1	-	1

Layer 1CS2: Shrub (5×5 m) [22°43'08.136" N; 86°34'44.482"E]

SI No.	Name/Code of species	Family	No. of individual (s) in the plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	22	25
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	23	20	25
03.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	5	5	5
04.	<i>Madhuca longifolia</i> (Mahua)	Sapotaceae	24	18	25
05.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	1	1	1
06.	<i>Terminalia alata</i> (Asan)	Combretaceae	1	1	1
07.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	1	1
08.	<i>Smilax ovalifolia</i> (Ramdantan/Kumarika)	Smilacaceae	10	5	10
09.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	1	-	1

Layer 1CS3: Shrub (5×5 m) [22°43'08.688" N; 86°34'44.696"E]

SI No.	Name/Code of species	Family	No. of individual (s) in the plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	22	18	25
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	17	15	19
03.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	2	2
04.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	2	1	2
05.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	1	1
06.	<i>Milusa velutina</i> (Chanpati)	Annonaceae	1	1	1
07.	<i>Smilax zeylanica</i> (Ramdantan)	Smilacaceae	11	5	10
08.	<i>Ehretia acuminata</i> (Kulu aja)	Boraginaceae	1	1	1

Layer 1CS4: Shrub (5×5 m) [22°43'08.879" N; 86°34'43.981"E]

SI No.	Name/Code of species	Family	No. of individual (s) in the plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	79	50	80
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	10	10	10
03.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	2	2	2
04.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	1	-	1
05.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	4	4	5
06.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	4	2	4
07.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	1	1	1
08.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	2	2	3
09.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	1	1	1

Layer 1CH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Aristolochia indica</i> (Isharmul)	Aristolochiaceae	1	1	1
02.	<i>Triumfetta rhomboidea</i> (Ban okra)	Malvaceae	5	4	5
03.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	2	2	3

Layer 1CH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pentanema indicum</i> Syn. <i>Vicoa indica</i> (Katiapuru)	Asteraceae	7	5	8
02.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	2	-	2
03.	<i>Lygodium</i> sp. (Bedajal)	Lygodiaceae	2	1	2
04.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	4	4	4
05.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	2	2	3

Layer 1CH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	2	-	2
02.	<i>Pentanema indicum</i> Syn. <i>Vicoa indica</i> (Katiapuru)	Asteraceae	2	2	2
03.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	3	3	4

Layer 1CH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	2	1	2
02.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	2	2	3
03.	<i>Smilax zeylanica</i> (Ramdantan/Kumarika)	Smilacaceae	2	-	2
04.	<i>Pentanema indicum</i> Syn. <i>Vicoa indica</i> (Katiapuru)	Asteraceae	2	2	2

Layer 1CH5 (Middle): Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	3	1	3
02.	<i>Pentanema indicum</i> Syn. <i>Vicoa indica</i> (Katiapuru)	Asteraceae	4	4	4
03.	<i>Triumfetta rhomboidea</i> (Ban okra)	Malvaceae	2	2	3
04.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	2	1	2

Field Data Sheet-1D

Grid No.: 1

Name of the site: Bagdoba

Plot no.: 1D

Slope angle:

Layer 1D: Tree (20×20 m)

Latitude: 22°43'09.470" N

Longitude: 86°34'45.121"E

Altitude: 982 ft

Aspect:

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
1.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	29	13
2.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	32	10
3.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	22	8
4.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	2.50
5.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	65	25
6.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	3
7.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	39	12.50
8.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	6
9.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	73	22
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	8
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	22	8.50
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	6
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	45	12
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	8
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3.50
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	8	2.50
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	5
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	66	15
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	7
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	8.50
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	6
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	44	14
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	21	8
24.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	3.50
25.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3.50
26.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	3
27.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	8
28.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	4
29.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	109	20
30.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	49	16
31.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	8	2.50
32.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	4.50
33.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	4.40
34.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	7	4
35.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	5	3.50
36.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	8	3
37.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	7	3
38.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	6.50
39.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	29	11
40.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	7	2.50
41.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	39	13
42.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	3.50

43.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3
44.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3.50
45.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	3
46.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	2.50
47.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	45	13
48.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	6
49.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	8
50.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	76	22
51.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	9.50
52.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	22	10
53.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	7
54.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	33	16.50
55.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	9.50
56.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	28	9
57.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	6
58.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	10
59.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	6
60.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	9.50
61.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	5.50
62.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	21	8
63.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	2.50
64.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	38	9.50
65.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	10
66.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	32	9
67.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	38	12
68.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	2
69.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	47	10
70.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	24	3
71.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	83	25
72.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	41	15
73.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	42	9.50
74.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	33	11.50
75.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	11	3.50
76.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	9	2.50
77.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	20	5.50
78.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	9	2.50
79.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	10	5
80.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	12	3.50
81.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	24	9.50
82.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	13	4
83.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	11	2.50
84.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	13	3.50
85.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	35	12
86.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	6	2
87.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	31	8.50
88.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	61	18
89.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	10	4
90.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	35	9.50
91.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	15	4.50
92.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	8	2

93.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	15	5
94.	<i>Terminalia alata</i> (Asan)	Combretaceae	24	9.50
95.	<i>Terminalia alata</i> (Asan)	Combretaceae	24	8
96.	<i>Terminalia alata</i> (Asan)	Combretaceae	78	18
97.	<i>Terminalia alata</i> (Asan)	Combretaceae	10	2
98.	<i>Terminalia alata</i> (Asan)	Combretaceae	10	3.50
99.	<i>Terminalia alata</i> (Asan)	Combretaceae	10	6
100.	<i>Terminalia alata</i> (Asan)	Combretaceae	10	2
101.	<i>Terminalia alata</i> (Asan)	Combretaceae	24	6
102.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	39	13
103.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	34	13
104.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	17	4
105.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	33	9
106.	<i>Miliusa velutina</i> (Chapati)	Annonaceae	13	6
107.	<i>Miliusa velutina</i> (Chanpati)	Annonaceae	21	10
108.	<i>Syzygium cumini</i> (Jam)	Myrtaceae	82	15
109.	<i>Albizia procera</i> (Sada shirish)	Fabaceae	99	18
110.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	77	15
111.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	77	12
112.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	10	4
113.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	71	14
114.	<i>Lagerstroemia parviflora</i>	Lythraceae	16	4
115.	<i>Casearia tomentosa</i> (Churchumann)	Salicaceae	20	8
116.	<i>Nyctanthes arbor-tristis</i> (Shiuli)	Oleaceae	9	3
117.	<i>Symplocos racemosa</i> (Lodh)	Symplocaceae	7	2

Layer 1DS1: Shrub (5×5 m) [22°43'09.470" N; 86°34'45.121" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	27	25	30
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	5	5	5
03.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	9	8	9
04.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	53	50	55
05.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	3	1	3
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	2	2
07.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	2	-	2
08.	<i>Grewia hirsuta</i> (Kukurbicha)	Malvaceae	3	3	3
09.	<i>Smilax zeylanica</i> (Ramdantan/Kumarika)	Smilacaceae	7	3	7
10	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	1	1	1
11.	<i>Ziziphos oenopolia</i> (Shiakul)	Rhamnaceae	2	2	2

Layer 1DS2: Shrub (5×5 m) [22°43'09.344" N; 86°34'45.932" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	20	25
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	6	6	6
03.	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	Apocynaceae	1	1	1
04.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	19	15	20
05.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	6	6	6
06.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	1	1	1
07.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	5	2	5
08.	<i>Smilax zeylanica</i> (Ramdantan/Kumarika)	Smilacaceae	5	3	6
09.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	1	-	1
10.	<i>Ziziphus oenopolia</i> (Shiakul)	Rhamnaceae	2	2	2
11.	<i>Erycibe paniculata</i> (Kajrilata)	Convolvulaceae	6	6	6
12.	<i>Hemidesmus indicus</i> (Anantamul)	Asclepiadaceae	12	6	14

Layer 1DS3: Shrub (5×5 m) [22°43'09.748" N; 86°34'46.034" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	63	60	65
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	17	15	17
03.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	7	7	7
04.	<i>Casearia tomentosa</i> (Churchumann)	Salicaceae	5	3	6
05.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	3	3	3
06.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	3	1	4
07.	<i>Terminalia alata</i> (Asan)	Combretaceae	6	6	6
08.	<i>Randia spinosa</i> (Karhar)	Rubiaceae	2	2	2
09.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	3	2	3
10.	<i>Curcuma aromatica</i> (Bonholud)	Zingiberaceae	2	-	2
11.	<i>Phoenix sylvestris</i> (Bonkhenjur)	Arecaceae	2	1	2

Layer 1DS4: Shrub (5×5 m) [22°43'09.948" N; 86°34'45.382" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	40	32	44
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	5	5	5
03.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	20	20	20
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	2	2
05.	<i>Terminalia alata</i> (Asan)	Combretaceae	6	6	6
06.	<i>Randia spinosa</i> (Karhar)	Rubiaceae	6	3	6
07.	<i>Miliusa velutina</i> (Chapati)	Annonaceae	1	-	1
08.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	6	3	6
09.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	1	1	2
10.	<i>Erycibe paniculata</i> (Kajrilata)	Convolvulaceae	6	5	6
11.	<i>Orthosiphon thymiflorus</i> (Bhutikari)	Lamiaceae	1	-	1

Layer 1DH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Grewia hirsuta</i> (Kukurbicha)	Malvaceae	2	1	2
02.	<i>Triumfetta rhomboidea</i> (Ban okra)	Malvaceae	3	3	3
03.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	4	2	4
04.	<i>Chlorophytum sp</i>	Asparagaceae	3	3	4
05.	<i>Blumea flava</i>	Asteraceae	4	3	4

Layer 1DH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Chlorophytum sp</i>	Asparagaceae	2	2	2
02.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	4	3	4
03.	<i>Lygodium sp.</i> (Bedajal)	Lygodiaceae	2	1	2
04.	<i>Blumea flava</i>	Asteraceae	4	4	5
05.	<i>Pentanema indicum Syn.Vicoa indica</i> (Katiapuru)	Asteraceae	5	4	5

Layer 1DH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Chlorophytum sp</i>	Asparagaceae	4	2	4
02.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	4	4	5
03.	<i>Triumfetta rhomboidea</i> (Ban okra)	Malvaceae	2	1	2
04.	<i>Grewia hirsuta</i> (Kukurbicha)	Malvaceae	3	1	3
05.	<i>Ziziphus oenopolia</i> (Shiakul)	Rhamnaceae	1	-	1

Layer 1DH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Chlorophytum sp</i>	Asparagaceae	3	3	3
02.	<i>Lygodium sp.</i> (Bedajal)	Lygodiaceae	1	-	1
03.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	7	5	8
04.	<i>Pentanema indicum Syn.Vicoa indica</i> (Katiapuru)	Asteraceae	6	4	6
05.	<i>Blumea flava</i>	Asteraceae	4	4	5

Layer 1DH5(Middle): Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Lygodium sp.</i> (Bedajal)	Lygodiaceae	1	-	1
02.	<i>Pentanema indicum Syn.Vicoa indica</i> (Katiapuru)	Asteraceae	3	3	4
03.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	3	1	3

Field Data Sheet-1E

Grid No.: 1

Name of the site: Bagdoba

Plot no.: 1E

Slope angle:

Layer 1E: Tree (20×20 m)

Latitude: 22°43'10.495" N

Longitude: 86°34'46.843"E

Altitude: 982 ft

Aspect:

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	44	11
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	42	10.50
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	4
04.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	2.50
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	33	12
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	8
07.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	5
08.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	49	12
09.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	5
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	30	10
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	56	13
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	6
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	41	10
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	50	13
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	45	10
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	6
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	8	3
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	60	10
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	4
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	32	9.50
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	27	8
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	5.50
24.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	6
25.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3
26.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	32	10
27.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	6
28.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	8.50
29.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	64	24
30.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	31	8
31.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	40	12
32.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	62	15
33.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	22	6
34.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	48	10
35.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	8	2
36.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	2.50
37.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	6	2
38.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	6	3.50
39.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	27	10
40.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	4.50
41.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	5
42.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	6

43.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	4.50
44.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	4
45.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	7	2
46.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	8	2
47.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	8	3
48.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	3
49.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	22	6
50.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	37	10
51.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	4.50
52.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	5.50
53.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	27	6.50
54.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	51	12
55.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	60	22
56.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	57	16
57.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	26	9.50
58.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	4.50
59.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	2.50
60.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	8
61.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	18	2
62.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	6	2.50
63.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	56	16
64.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	79	18
65.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	25	9.50
66.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	43	10
67.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	89	18
68.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	7	2
69.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	22	5.50
70.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	38	6
71.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	47	8
72.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	29	9.50
73.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	16	4
74.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	12	3
75.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	99	16
76.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	22	8.50
77.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	11	2.50
78.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	18	5
79.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	30	8
80.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	18	8.50
81.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	8	2.50
82.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	7	2
83.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	16	5
84.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	4
85.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	10	2
86.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	10	4
87.	<i>Terminalia alata</i> (Asan)	Combretaceae	22	7
88.	<i>Terminalia alata</i> (Asan)	Combretaceae	23	8
89.	<i>Terminalia alata</i> (Asan)	Combretaceae	20	7
90.	<i>Terminalia alata</i> (Asan)	Combretaceae	20	5
91.	<i>Terminalia alata</i> (Asan)	Combretaceae	25	6
92.	<i>Terminalia alata</i> (Asan)	Combretaceae	27	8

93.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	18	5.50
94.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	42	9
95.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	42	10
96.	<i>Miliusa velutina</i> (Chapati)	Annonaceae	7	2.50
97.	<i>Miliusa velutina</i> (Chanpati)	Annonaceae	7	2
98.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	35	10
99.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	39	6
100.	<i>Haldina cordifolia</i> (Karam)	Rubiaceae	22	5
101.	<i>Syzygium cumini</i> (Jam)	Myrtaceae	138	15
102.	<i>Syzygium cumini</i> (Jam)	Myrtaceae	25	9

Layer 1ES1: Shrub (5×5 m) [22°43'10.495" N; 86°34'46.843" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	63	50	66
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	6	6	6
03.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	1	1	1
04.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	2	2
05.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	4	4	4
06.	<i>Casearia tomentosa</i> (Churchumann)	Salicaceae	1	-	1
07.	<i>Terminalia alata</i> (Asan)	Combretaceae	2	2	2
08.	<i>Randia spinosa</i> (Karhar)	Rubiaceae	4	4	4
09.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	1	2
10.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	6	3	7
11.	<i>Smilax zeylanica</i> (Ramdantan/Kumarika)	Smilacaceae	1	-	1
12.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	2	2	3
13.	<i>Rivea hypocrateriformis</i> (Kindupata)	Convolvulaceae	1	-	1

Layer 1ES2: Shrub (5×5 m) [22°43'10.223" N; 86°34'47.460" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	42	40	45
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	2	2	2
03.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	2	2	2
04.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	10	10	12
05.	<i>Randia spinosa</i> (Karhar)	Rubiaceae	5	5	5
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	6	6	6
07.	<i>Miliusa velutina</i> (Chapati)	Annonaceae	1	1	1
08.	<i>Smilax zeylanica</i> (Ramdantan/Kumarika)	Smilacaceae	13	6	14
09.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	2	2	2
10.	<i>Erycibe paniculata</i> (Kajrilata)	Convolvulaceae	8	7	8

Layer 1ES3: Shrub (5×5 m) [22°43'10.638" N; 86°34'47.436" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	26	22	28
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	12	12	12
03.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	1	1	1
04.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	17	15	17
05.	<i>Casearia tomentosa</i> (Churchmann)	Salicaceae	1	-	1
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	2	2
07.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	5	3	5
08.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	2	2	3
09.	<i>Grewia hirsuta</i> (Kukurbicha)	Malvaceae	4	3	4
10.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	1	-	1

Layer 1ES4: Shrub (5×5 m) [22°43'10.983" N; 86°34'46.810" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	60	50	66
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	10	10	10
03.	<i>Nyctanthes arbor-tristis</i> (Shiuli)	Oleaceae	2	2	2
04.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	9	9	9
05.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	2	2
06.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	5	5	5
07.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	1	1	1
08.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	1	1	1
09.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	3	-	3
10.	<i>Meyna laxiflora</i>	Rubiaceae	1	1	2

Layer 1EH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Lepidagathis sp</i>	Acanthaceae	7	5	7
02.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	4	4	5
03.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	4	3	4
04.	<i>Pentanema indicum</i> Syn. <i>Vicoa indica</i> (Katiapuru)	Asteraceae	4	4	5
05.	<i>Blumea flava</i>	Asteraceae	2	1	2

Layer 1EH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Lepidagathis sp</i>	Acanthaceae	4	4	5

02.	<i>Blumea flava</i>	Asteraceae	2	2	2
03.	<i>Curculigo orchioides</i>	Hypoxidaceae	1	-	1
04.	<i>Smilax zeylanica</i> (Ramdantan/Kumarika)	Smilacaceae	1	-	1
05.	<i>Pentanema indicum</i> Syn. <i>Vicoa indica</i> (Katiapuru)	Asteraceae	6	5	6

Layer 1EH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Lepidagathis sp</i>	Acanthaceae	2	2	2
02.	<i>Pentanema indicum</i> Syn. <i>Vicoa indica</i> (Katiapuru)	Asteraceae	4	4	5
03.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	4	3	4
04.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	1	-	1
05.	<i>Lygodium sp.</i> (Bedajal)	Lygodiaceae	2	1	2

Layer 1EH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pentanema indicum</i> Syn. <i>Vicoa indica</i> (Katiapuru)	Asteraceae	7	5	8
02.	<i>Lepidagathis sp</i>	Acanthaceae	6	6	6
03.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	4	4	4
04.	<i>Smilax zeylanica</i> (Ramdantan/Kumarika)	Smilacaceae	2	-	2
05.	<i>Blumea flava</i>	Asteraceae	4	4	5
06.	<i>Centotheca sp</i>	Poaceae	6	4	7

Layer 1EH5: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	4	4	4
02.	<i>Lepidagathis sp</i>	Acanthaceae	6	6	6
03.	<i>Lygodium sp.</i> (Bedajal)	Lygodiaceae	2	1	2
04.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	3	2	3
05.	<i>Grewia hirsuta</i> (Kukurbicha)	Malvaceae	3	3	4

Field Data Sheet-2A

Grid No.: 2

Name of the site: Amlasol

Plot no.: 2A

Slope angle:

Latitude: 22°42'50.383" N

Longitude: 86°35'06.864" E

Altitude: 982 ft

Aspect:

Layer 2A: Tree (20×20 m)

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
01.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	69	12
02.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	19	4.50
03.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	13	2
04.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	69	15
05.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	23	4.50
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	30	9.50
07.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	74	13
08.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	59	9
09.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	38	9
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	96	15
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	30	8.50
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	4.40
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	6
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	28	7
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	80	10
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	28	9
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	65	14
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	9
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	3
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	33	10.50
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	60	16
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	55	16
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	3.50
24.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	115	14
25.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	12
26.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	6
27.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	45	16.50
28.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	6.50
29.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	26	10
30.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	26	7.50
31.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	4.50
32.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	47	15
33.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	38	13
34.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	5
35.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	43	13.50
36.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3.50
37.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	48	7.50
38.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	68	13
39.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	78	13
40.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	49	10
41.	<i>Terminalia alata</i> (Asan)	Combretaceae	38	11.50

42.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	12	2
43.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	15	2.50
44.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	60	14
45.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	11	2.50
46.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	62	14.50
47.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	12	4.80
48.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	42	14.50
49.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	52	11
50.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	11	4
51.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	14	5
52.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	38	6.50
53.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	19	8
54.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	13	4.50
55.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	21	5
56.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	15	5.50
57.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	24	3
58.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	15	2
59.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	14	2.50
60.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	29	2

Layer 2AS1: Shrub (5×5 m) [22°42'50.063" N; 86°35'07.444" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	1	1	1
02.	<i>Madhuca longifolia</i> (Mahua)	Sapotaceae	18	12	20
03.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	13	10	15
04.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	1	1	1
05.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	2	-	2
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	9	9
07.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	9	9	9
08.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	9	9	9
09.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	10	14
10.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	13	12	15
11.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	1	1	1

Layer 2AS2: Shrub (5×5 m) [22°42'50.460" N; 86°35'07.651" E]

SI.No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	7	5	10
02.	<i>Madhuca longifolia</i> (Mahua)	Sapotaceae	13	12	13
03.	<i>Terminalia alata</i> (Asan)	Combretaceae	4	4	4
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	12	12
05.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	4	4	5
06.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	2	1	2
07.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	1	1	1

Layer 2AS3: Shrub (5×5 m) [22°42'50.727" N; 86°35'07.100" E]

Sl.No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Meyna laxiflora</i> (Maina kanta)	Rubiaceae	1	1	1
02.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	7	7	7
03.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	15	12	16
04.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	2	2	2
05.	<i>Phoenix sylvestris</i>	Arecaceae	4	4	4
06.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	30	25	32
07.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	5	5	6
08.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	2	1	2
09.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	1	-	1

Layer 2AS4: Shrub (5×5 m) [22°42'51.605" N; 86°35'08.127"E]

Sl.No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	7	5	7
02.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	3	1	3
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	15	20
04.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	1	-	1
05.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	2	2	2
06.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	5	5	5
07.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	2	2	3
08.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	10	8	11
09.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	1	1	1
10.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	4	2	4
11.	<i>Phoenix sylvestris</i>	Arecaceae	2	1	2

Layer 2AH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Rungia pectinate</i>	Acanthaceae	5	4	5
02.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	1	1	1
03.	<i>Crotalaria albida</i> (Saralpatha Banmethi)	Fabaceae	2	-	2
04.	<i>Blumea flava</i>	Asteraceae	2	2	3
05.	<i>Orthosiphon thymiflorus</i> (Bhutikari)	Lamiaceae	3	2	3

Layer 2AH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Evolvulus nummularius</i> (Bhuikamri)	Convolvulaceae	1	1	1
02.	<i>Hybanthus enneaspermus</i> (Nunbora)	Violaceae	8	5	9
03.	<i>Cyperus sp</i>	Cyperaceae	20	16	22
04.	<i>Blumea flava</i>	Asteraceae	8	8	8
05.	<i>Cheilanthes sp</i>	Pteridaceae	2	-	2
06.	<i>Hemidesmus indicus</i> (Anantamul)	Apocynaceae	1	-	1
07.	<i>Curcuma aromatica</i>	Zingiberaceae	5	5	6

Layer 2AH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	4	4	5
02.	<i>Cyperus sp</i>	Cyperaceae	1	1	1
03.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	2	1	2
04.	<i>Sida cordata</i>	Malvaceae	1	1	2

Layer 2AH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cheilanthes sp</i>	Pteridaceae	5	5	6
02.	<i>Blumea flava</i>	Asteraceae	6	5	6
03.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	9	9	9
04.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	1	-	1

Layer 2AH5: Middle Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyperus sp</i>	Cyperaceae	5	5	5
02.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	1	-	1
03.	<i>Hybanthus enneaspermus</i> (Nunbora)	Violaceae	3	3	3
04.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	2	-	2
05.	<i>Blumea flava</i>	Asteraceae	3	3	4
06.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	3	2	3

Field Data Sheet-2B

Grid No.: 2

Latitude: 22°42'51.464" N

Name of the site: Amlasol

Longitude: 86°35'07.275" E

Plot no.: 2B

Altitude: 982 ft

Slope angle:

Aspect:

Layer 2B: Tree (20×20 m)

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	6
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	29	10
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	43	12
04.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	26	11
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	48	15
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	30	10.50
07.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	5.50
08.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	6.50
09.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	4.50
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	47	9.50
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	64	10.50
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	3
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	34	10
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	31	10.50
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	30	11
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	7.50
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	58	9.50
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	21	5.50
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	7.50
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	9
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	7.50
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	36	10.50
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	6.50
24.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	56	9
25.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	6
26.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	43	9.50
27.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	3
28.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	31	8
29.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	8
30.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	5
31.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	38	9.50
32.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	13	3
33.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	28	7
34.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	38	9.50
35.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	13	3.50
36.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	11	9
37.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	135	12
38.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	41	10
39.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	73	13
40.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	56	9
41.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	78	12
42.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	59	13

43.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	18	6
44.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	45	8
45.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	22	4.20
46.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	88	18
47.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	113	18
48.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	11	2.40
49.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	78	14
50.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	26	7
51.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	7	2
52.	<i>Cassia fistula</i> (Bandorlathi)	Fabaceae	6	2.50
53.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	3
54.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	19	2.50
55.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	17	5
56.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	20	3
57.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	45	10
58.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	19	6.50
59.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	44	8.50
60.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	14	4
61.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	20	2.50
62.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	75	12
63.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	119	17
64.	<i>Terminalia bellirica</i> (Bahera) (Bahera)	Combretaceae	20	6.50
65.	<i>Miliusa velutina</i> (Chapati)	Annonaceae	11	3.30
66.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	51	12

Layer 2BS1: Shrub (5×5 m) [22°42'51.464" N; 86°35'07.275" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	7	7	10
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	19	14	22
03.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	5	5	5
04.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	3	3	3
05.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	2	2	2
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	11	11	12
07.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	5	4	5
08.	<i>Randia spinosa</i> (Karhar)	Rubiaceae	1	1	1
09.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	1	1	2
10.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	1	1
11.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	2	-	2
12.	<i>Ziziphus oenoplia</i> (Shiakul)	Rhamnaceae	3	3	4

Layer 2BS2: Shrub (5×5 m) [22°42'51.623" N; 86°35'07.553" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	10	15
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	30	25	32

03.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	13	12	14
04.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	7	7	8
05.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	7	6	7
06.	<i>Terminalia alata</i> (Asan)	Combretaceae	7	7	7
07.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	4	4	4
08.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	-	1
09.	<i>Randia spinosa</i> (Karhar)	Rubiaceae	3	2	3
10.	<i>Ziziphus oenopolia</i> (Shiakul)	Rhamnaceae	2	1	2

Layer 2BS3: Shrub (5×5 m) [22°42'51.134" N; 86°35'08.194" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	9	12
02.	<i>Phyllanthus emblica</i> (Amlaki)	Phyllanthaceae	1	1	1
03.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	5	5	5
04.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	13	9	15
05.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	1	-	1
06.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	4	4	5

Layer 2BS4: Shrub (5×5 m) [22°42'51.392" N; 86°35'07.427" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	4	4	4
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	19	25
03.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	17	15	17
04.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	12	8	14
05.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	3	1	3

Layer 2BH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Blumea flava</i>	Asteraceae	12	10	14
02.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	6	5	6
03.	<i>Pentanema indicum</i> Syn. <i>Vicoa indica</i> (Katiapuru)	Asteraceae	7	6	8
04.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	5	4	5
05.	<i>Ziziphus sp</i>	Rhamnaceae	3	3	4
06.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	3	2	3

Layer 2BH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Blumea flava</i>	Asteraceae	21	15	22

02.	<i>Pentanema indicum</i> Syn. <i>Vicoa indica</i> (Katiapuru)	Asteraceae	6	6	6
03.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	9	9	10
04.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	4	3	4
05.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	2	-	2

Layer 2BH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	8	6	8
02.	<i>Evolvulus nummularius</i> (Bhuikamri)	Convolvulaceae	7	7	7
03.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	4	3	4
04.	<i>Pentanema indicum</i> Syn. <i>Vicoa indica</i> (Katiapuru)	Asteraceae	6	6	7
05.	<i>Fimbristylis</i> sp	Cyperaceae	7	6	7
06.	<i>Sida cordata</i>	Malvaceae	4	4	5
07.	<i>Crotalaria albida</i> (Saralpata Banmethi)	Fabaceae	1	-	1

Layer 2BH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	7	7	8
02.	<i>Fimbristylis</i> sp	Cyperaceae	8	6	9
03.	<i>Blumea flava</i>	Asteraceae	14	12	14
04.	<i>Hemidesmus indicus</i>	Apocynaceae	3	2	3
05.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	6	6	7
06.	<i>Ziziphus</i> sp	Rhamnaceae	2	1	2

Layer 2BH5(Middle): Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Blumea flava</i>	Asteraceae	11	10	12
02.	<i>Pentanema indicum</i> Syn. <i>Vicoa indica</i> (Katiapuru)	Asteraceae	13	11	14
03.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	6	5	6
04.	<i>Fimbristylis</i> sp	Cyperaceae	3	3	4
05.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	2	1	2
06.	<i>Hybanthus enneaspermus</i> (Nunbora)	Violaceae	6	5	7

Field Data Sheet-2C

Grid No.: 2

Name of the site: Amlasol

Plot no.: 2C

Slope angle:

Latitude: 22°42'52.311" N

Longitude: 86°05'38.715" E

Altitude: 982 ft

Aspect:

Layer 2C: Tree (20×20 m)

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	93	16
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	3
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	4
04.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	30	9.50
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	3.50
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	27	9.50
07.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	3.50
08.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	7
09.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	6
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	7
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	3.50
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	6
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	5
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	6
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	44	9.50
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	7.50
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	4
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	3.50
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	5.50
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	34	9
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	34	10
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	4.50
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	3
24.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	31	7.50
25.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	30	9
26.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	11	3
27.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	9	3.50
28.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	81	18
29.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	15	4
30.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	29	8
31.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	12	3.50
32.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	15	5
33.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	9	2
34.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	90	18
35.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	70	17
36.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	10	1.50
37.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	5	2
38.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	25	6
39.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	11	4.50
40.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	15	4

41.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	11	2
42.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	2.50
43.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	16	6
44.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	3
45.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	6	2
46.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	2.50
47.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	21	6
48.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	25	8
49.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	40	10
50.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	33	8
51.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	2.50
52.	<i>Terminalia alata</i> (Asan)	Combretaceae	90	18.50
53.	<i>Terminalia alata</i> (Asan)	Combretaceae	60	14
54.	<i>Terminalia alata</i> (Asan)	Combretaceae	114	22
55.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	24	8
56.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	57	11
57.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	32	11
58.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	20	6.50
59.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	11	4
60.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	50	8
61.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	23	7
62.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	53	9.50
63.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	25	7
64.	<i>Miliusa velutina</i> (Chapati)	Annonaceae	25	8
65.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	23	2
66.	<i>Catunaregam spinosa</i> Syn. <i>Randia spinosa</i> (Karhar)	Rubiaceae	12	2
67.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	62	16
68.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	39	9

Layer 2CS1: Shrub (5×5 m) [22°42'52.311" N; 86°35'08.715" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	31	28	32
02.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	4	4	4
03.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	1	1	1
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	22	20	25
05.	<i>Phoenix loureiroi</i>	Arecaceae	1	-	1

Layer 2CS2: Shrub (5×5 m) [22°42'52.538" N; 86°35'09.419" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	32	25	34
02.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	9	9	10
03.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	1	1	1
04.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	2	2	2
05.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	17	15	18

06.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	3	1	3
07.	<i>Terminalia alata</i> (Asan)	Combretaceae	4	4	4
08.	<i>Phoenix sylvestris</i>	Arecaceae	2	1	2
09.	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	Apocynaceae	1	-	1

Layer 2CS3: Shrub (5×5 m) [22°42'52.513" N; 86°35'08.577" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	8	7	8
02.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	2	2
03.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	16	12	17
04.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	1	1	1
05.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	14	12	15
06.	<i>Miliusa velutina</i> (Chapati)	Annonaceae	1	-	1

Layer 2CS4: Shrub (5×5 m) [22°42'52.085" N; 86°35'08.377" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	12	18
02.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	2	2
03.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	3	3	4
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	9	12
05.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	1	-	1

Layer 2CH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Hybanthus enneaspermus</i> (Nunbora)	Violaceae	15	12	16
02.	<i>Blumea flava</i>	Asteraceae	8	7	8
03.	<i>Pentanema indicum</i> Syn. <i>Vicoa indica</i> (Katiapuru)	Asteraceae	18	15	20
04.	<i>Crotalaria albida</i> (Saralpata Banmethi)	Fabaceae	4	3	4
05.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	18	15	20
06.	<i>Fimbristylis</i> sp	Cyperaceae	5	4	5
07.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	2	-	2
08.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	4	4	4

Layer 2CH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	6	5	6
02.	<i>Ziziphus sp</i>	Rhamnaceae	2	2	3
03.	<i>Hemidesmus indicus</i>	Apocynaceae	3	3	3
04.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	8	7	8
05.	<i>Blumea flava</i>	Asteraceae	4	4	5

Layer 2CH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Blumea flava</i>	Asteraceae	16	15	16
02.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	3	1	3
03.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	8	7	8
04.	<i>Hybanthus enneaspermus</i> (Nunbora)	Violaceae	10	10	11
05.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	12	10	14
06.	<i>Crotalaria albida</i> (Saralpata Banmethi)	Fabaceae	3	2	3
07.	<i>Chlorophytum sp</i>	Asparagaceae	3	3	4
08.	<i>Phoenix sylvestris</i>	Arecaceae	2	1	2
09.	<i>Pentanema indicum Syn.Vicoa indica</i> (Katiapuru)	Asteraceae	1	1	1

Layer 2CH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Hybanthus enneaspermus</i> (Nunbora)	Violaceae	6	5	6
02.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	12	10	12
03.	<i>Pentanema indicum Syn.Vicoa indica</i> (Katiapuru)	Asteraceae	2	2	2
04.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	1	-	1
05.	<i>Lygodium sp.</i> (Bedajal)	Lygodiaceae	2	2	3
06.	<i>Phoenix sylvestris</i>	Arecaceae	2	1	2

Layer 2CH5(Middle): Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	9	8	9
02.	<i>Crotalaria albida</i> (Saralpata Banmethi)	Fabaceae	4	4	5
03.	<i>Blumea flava</i>	Asteraceae	6	5	6
04.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	5	5	6
05.	<i>Phoenix sylvestris</i>	Arecaceae	2	1	2

Field Data Sheet-2D

Grid No.: 2

Name of the site: Amlasol

Plot no.: 2D

Slope angle:

Layer 2D: Tree (20×20 m)

Latitude: 22°42'54.121" N

Longitude: 86°35'11.089" E

Altitude: 912 ft

Aspect

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	89	15
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	28	5
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	2.50
04.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	32	9
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	3
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	8.50
07.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	3
08.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	29	8
09.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	5
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	7
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	84	14
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	21	5.50
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	5
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	4
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	45	9
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	8.50
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	3
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	45	7.50
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	5
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	34	8.50
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	39	11
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	3
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	92	13
24.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	19	4.50
25.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	85	18.50
26.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	57	11
27.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	42	9
28.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	63	13
29.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	35	6.50
30.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	47	9
31.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	15	4
32.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	23	6
33.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	12	3
34.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	9	2.50
35.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	96	17
36.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	43	5.50
37.	<i>Terminalia alata</i> (Asan)	Combretaceae	89	18
38.	<i>Terminalia alata</i> (Asan)	Combretaceae	66	15
39.	<i>Terminalia alata</i> (Asan)	Combretaceae	110	21
40.	<i>Terminalia alata</i> (Asan)	Combretaceae	51	10
41.	<i>Terminalia alata</i> (Asan)	Combretaceae	42	8
42.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	15	3

43.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	17	5
44.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	3.50
45.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	8	2.50
46.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	29	8
47.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	21	5
48.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	26	6
49.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	44	11
50.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	34	8
51.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	2
52.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	59	15
53.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	41	10
54.	<i>Dillenia pentagyna</i> (Banchalta) (Bonchalta)	Dilleniaceae	17	4
55.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	25	7
56.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	59	12
57.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	35	9
58.	<i>Milium velutina</i> (Chapati)	Annonaceae	24	8
59.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	21	2

Layer 2DS1: Shrub (5×5 m) [22°42'54.215" N; 86°35'10.515" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	10	14
02.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	2	2	2
03.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	5	5	6
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	15	12	16
05.	<i>Phoenix loureiroi</i>	Arecaceae	3	2	3
06.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	2	2
07.	<i>Terminalia alata</i> (Asan)	Combretaceae	1	1	1
08.	<i>Marsdenia tenacissima</i> (Jiti)	Apocynaceae	2	1	2
09.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	4	4	5
10.	<i>Dillenia pentagyna</i> (Banchalta)	Dilleniaceae	1	1	1
11.	<i>Rivea hypocrateriformis</i> (Kindupata)	Convolvulaceae	2	2	2
12.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	1	-	1
13.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	3	3	4

Layer 2DS2: Shrub (5×5 m) [22°42'53.305" N; 86°35'10.507" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	7	6	7
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	10	14
03.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	2	1	2
04.	<i>Marsdenia tenacissima</i> (Jiti)	Apocynaceae	3	2	3
05.	<i>Terminalia alata</i> (Asan)	Combretaceae	5	5	5
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	9	10

07.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	4	2	4
08.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	1	1	1
09.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	2	2	2
10.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	3	2	3
11.	<i>Miliusa velutina</i> (Chapati)	Annonaceae	1	1	1
12.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	3	3	4

Layer 2DS3: Shrub (5×5 m) [22°42'53.317" N; 86°35'11.605" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	28	32
02.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	1	-	1
03.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	6	6	6
04.	<i>Terminalia alata</i> (Asan)	Combretaceae	1	1	1
05.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	2	2	2
06.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	1	1	1
07.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	2	2	2
08.	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	Apocynaceae	1	-	1
09.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	7	6	7
10.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	2	2	3
11.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	3	2	3

Layer 2DS4: Shrub (5×5 m) [22°42'54.423" N; 86°35'11.659" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	20	25
02.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	9	10
03.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	4	3	4
03.	<i>Marsdenia tenacissima</i> (Jiti)	Apocynaceae	2	2	3
04.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	5	4	5
05.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	2	2
06.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	1	-	1
07.	<i>Terminalia alata</i> (Asan)	Combretaceae	3	3	4

Layer 2DH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Hybanthus enneaspermus</i> (Nunbora)	Violaceae	7	6	8
02.	<i>Blumea flava</i>	Asteraceae	3	3	4
03.	<i>Pentanema indicum</i> Syn. <i>Vicoa indica</i> (Katiapuru)	Asteraceae	4	3	4
04.	<i>Crotalaria albida</i> (Saralpata)	Fabaceae	2	2	3

	Banmethi)				
05.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	9	7	9
06.	<i>Curcuma aromatica</i>	Zingiberaceae	8	5	9

Layer 2DH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	5	2	5
02.	<i>Ziziphus sp</i>	Rhamnaceae	4	3	4
03.	<i>Hemidesmus indicus</i>	Apocynaceae	1	-	1
04.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	6	2	6
05.	<i>Cyperus niveus</i>	Cyperaceae	21	20	22

Layer 2DH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Blumea flava</i>	Asteraceae	11	11	12
02.	<i>Chlorophytum tuberosum</i>	Asparagaceae	2	2	2
03.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	3	3	3
04.	<i>Hybanthus enneaspermus</i> (Nunbora)	Violaceae	5	5	6
05.	<i>Murdannia edulis</i> (Sia Mushli)	Commelinaceae	4	4	5
06.	<i>Crotalaria albida</i> (Saralpata Banmethi)	Fabaceae	3	2	3

Layer 2DH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Hybanthus enneaspermus</i> (Nunbora)	Violaceae	8	8	9
02.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	11	11	12
03.	<i>Pentanema indicum</i> Syn. <i>Vicoa indica</i> (Katiapuru)	Asteraceae	2	2	2
04.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	1	-	1
05.	<i>Lygodium sp.</i> (Bedajal)	Lygodiaceae	1	1	1
06.	<i>Byttneria herbacea</i> (Kambraj)	Malvaceae	5	5	6
07.	<i>Murdannia edulis</i> (Sia Mushli)	Commelinaceae	3	3	4
08.	<i>Eulophia explanata</i>	Orchidaceae	6	5	6

Layer 2DH5(Middle): Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	4	4	5
02.	<i>Crotalaria albida</i> (Saralpata Banmethi)	Fabaceae	5	4	5
03.	<i>Cyperus niveus</i>	Cyperaceae	9	5	12
04.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	2	1	2
05.	<i>Phoenix sylvestris</i>	Arecaceae	1	1	1
06.	<i>Byttneria herbacea</i> (Kambraj)	Malvaceae	5	3	5
07.	<i>Grewia hirsuta</i> (Kukurbicha)	Malvaceae	3	3	3
08.	<i>Curculigo orchioides</i>	Hypoxidaceae	8	6	9

Field Data Sheet-2E

Grid No.:

Latitude: 22°42'55.355" N

Name of the site: Amlasol

Longitude: 86°35'13.631" E

Plot no.: 2E

Altitude: 889 ft

Slope angle:

Aspect

Layer 2E: Tree (20×20 m)

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
01.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	35	6.50
02.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	18	3
03.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	23	4
04.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	73	16
05.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	26	5
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	39	10
07.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	84	14
08.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	108	19
09.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	32	8
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	98	16
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	33	8
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	4
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	29	7
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	98	17
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	83	11
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	27	6
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	60	12
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	34	9
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	2.50
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	83	13.50
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	67	16
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	52	14
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	3
24.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	117	14.50
25.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	55	12
26.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	22	6
27.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	75	16
28.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	6
29.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	58	8
30.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	61	10
31.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	72	12
32.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	42	8
33.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	98	14
34.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	33	7
35.	<i>Terminalia alata</i> (Asan)	Combretaceae	42	11
36.	<i>Terminalia alata</i> (Asan)	Combretaceae	36	9.50
37.	<i>Terminalia alata</i> (Asan)	Combretaceae	52	12
38.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	63	15
39.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	35	7
40.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	65	14
41.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	10	2

42.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	23	4
43.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	69	15
44.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	47	14
45.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	26	4
46.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	16	2.50
47.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	2
48.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	21	7
49.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	56	10.50
50.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	15	4
51.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	45	11
52.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	17	3.50
53.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	8	2
54.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	35	6
55.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	18	3
56.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	26	4
57.	<i>Wendlandia heynei</i> (Tilai)	Rubiaceae	46	8

Layer 2ES1: Shrub (5×5 m) [22°42'55.339" N; 86°35'13.714" E]

Sl No.	Name/Code of species	Family	No. of individual (s) in the plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	2	2
02.	<i>Madhuca longifolia</i> (Mahua)	Sapotaceae	13	10	15
03.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	5	4	5
04.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	3	3	3
05.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	1	-	1
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	16	14	16
07.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	12	18
08.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	3	3	3
09.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	2	1	2
10.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	7	7	8
11.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	1	1	1
12.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	2	1	2

Layer 2ES2: Shrub (5×5 m) [22°42'54.708" N; 86°35'13.693" E]

Sl.No.	Name/Code of species	Family	No. of individual (s) in the plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	15	18
02.	<i>Madhuca longifolia</i> (Mahua)	Sapotaceae	3	3	3
03.	<i>Terminalia alata</i> (Asan)	Combretaceae	5	5	5
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	14	12	15
05.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	3	3	3
06.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	6	5	5
07.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	7	5	8
08.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	1	-	1
09.	<i>Phoenix loureiroi</i>	Arecaceae	2	2	3
10.	<i>Meyna laxiflora</i> (Maina kanta)	Rubiaceae	3	3	3
11.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	4	3	4

Layer 2ES3: Shrub (5×5 m) [22°42'54.817" N; 86°35'12.603" E]

Sl.No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	18	15	20
02.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	5	4	5
03.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	13	11	12
04.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	9	14
05.	<i>Phoenix loureiroi</i>	Arecaceae	3	3	3
06.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	1	1	1
07.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	3	1	3
08.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	2	2	2
09.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	3	2	3
10.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	2	2	3
11.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	1	-	1
12.	<i>Marsdenia tenacissima</i> (Jiti)	Apocynaceae	1	1	2
13.	<i>Meyna laxiflora</i> (Maina kanta)	Rubiaceae	2	2	2

Layer 2ES4: Shrub (5×5 m) [22°42'55.619" N; 86°35'12.917"E]

Sl.No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	28	25	30
02.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	6	3	6
03.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	12	10	14
04.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	3	2	3
05.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	1	1	1
06.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	2	2	2
07.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	1	1	1
08.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	17	14	18
09.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	3	3	3
10.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	2	-	2
11.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	3	2	3

Layer 2EH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Eulophia explanata</i>	Orchidaceae	2	2	2
02.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	3	2	3
03.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	9	7	10
04.	<i>Crotalaria albida</i> (Saralpata Banmethi)	Fabaceae	3	2	3
05.	<i>Blumea flava</i>	Asteraceae	1	-	1
06.	<i>Orthosiphon thymiflorus</i> (Bhutikari)	Lamiaceae	4	2	4
07.	<i>Cyperus niveus</i>	Cyperaceae	5	1	5

Layer 2EH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Evolvulus nummularius</i> (Bhuikamri)	Convolvulaceae	2	2	2
02.	<i>Hybanthus enneaspermus</i> (Nunbora)	Violaceae	3	3	4
03.	<i>Cyperus niveus</i>	Cyperaceae	12	9	15
04.	<i>Blumea flava</i>	Asteraceae	3	3	3
05.	<i>Cheilanthes sp</i>	Pteridaceae	1	1	1
06.	<i>Hemidesmus indicus</i> (Anantamul)	Apocynaceae	1	-	1
07.	<i>Curcuma aromatica</i>	Zingiberaceae	7	5	8
08.	<i>Aristolochia indica</i> (Isharmul)	Aristolochiaceae	1	-	1

Layer 2EH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	2	2	2
02.	<i>Cyperus niveus</i>	Cyperaceae	10	2	12
03.	<i>Murdannia edulis</i> (Sia Mushli)	Commeliniaceae	4	4	5
04.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	7	5	9
05.	<i>Byttneria herbacea</i> (Kambraj)	Malvaceae	2	-	2

Layer 2EH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Grewia hirsuta</i>	Malvaceae	11	9	12
02.	<i>Blumea flava</i>	Asteraceae	3	3	4
03.	<i>Rungia pectinata</i> (Chhotosibjata)	Acanthaceae	7	4	7
04.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	1	-	1
05.	<i>Leucas angularis</i>	Lamiaceae	2	-	2

Layer 2EH5: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyperus niveus</i>	Cyperaceae	5	5	5
02.	<i>Canscora diffusa</i> (Burrurria)	Gentianaceae	1	-	1
03.	<i>Hybanthus enneaspermus</i> (Nunbora)	Violaceae	3	3	4
04.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	2	-	2
05.	<i>Blumea flava</i>	Asteraceae	3	3	4
06.	<i>Eulophia explanata</i>	Orchidaceae	3	1	3
07.	<i>Chlorophytum tuberosum</i>	Asparagaceae	1	-	1

Field Data Sheet-3A

Grid No.: 3

Name of the site: Bagdoba

Plot no.: 3A

Slope angle:

Latitude: 22°42'36.941" N

Longitude: 86°35'14.497" E

Altitude: 872 ft

Aspect:

Layer 3A: Tree (20×20 m)

SI No.	Name/Code of species	Family	Girth (cm)	Height (m)
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	68	14
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	2.5
04.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	8
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	8
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	28	12
07.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	51	14
08.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	62	18
09.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	10
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	74	23
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	50	16
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	3.50
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	32	11
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	3
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	30	10
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	2
18.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	16	8.50
19.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	2.50
20.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	3
21.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	19	6
22.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	10	2
23.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	11	2.50
24.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	45	12
25.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	21	8
26.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	15	7
27.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	20	8
28.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	15	6
929.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	29	9
30.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	17	4
31.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	19	4
32.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	42	12
33.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	31	10
34.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	35	9
35.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	17	5
36.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	38	9
37.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	30	9
38.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	34	8
39.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	32	9
40.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	2
41.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	7	2

42.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	18	5
43.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	21	5
44.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	24	8
45.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	54	12
46.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	24	6
47.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	21	2
48.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	15	6
49.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	3
50.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	32	11
51.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	14	3.50
52.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	25	6
53.	<i>Terminalia alata</i> (Asan)	Combretaceae	64	16
54.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	26	10
55.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	67	15
56.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	16	9
57.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	42	8
58.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	63	16
59.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	52	8
60.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	38	9
61.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	8	2
62.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	7	3.50
63.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	35	10
64.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	9	1
65.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	54	12
66.	<i>Ehretia acuminata</i> (Kulu aja)	Boraginaceae	10	2
67.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	60	10
68.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	60	10

Layer 3AS1: Shrub (5×5 m) [22° 42' 37.402" N; 86° 35' 14.257" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	29	25	32
02.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	25	20	28
03.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	1	1	1
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	9	9
05.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	5	2	5
06.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	32	32	35
07.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	28	22	32
08.	<i>Terminalia alata</i> (Asan)	Combretaceae	5	5	5
09.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	5	4	5
10.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	1	2
11.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	3	-	3
12.	<i>Orthosiphon thymiflorus</i> (Bhutikari)	Lamiaceae	1	1	2

Layer 3AS2: Shrub (5×5 m) [22° 42' 36.765" N; 86° 35' 14.024" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	7	6	9

02.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	35	32	38
03.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	2	2	2
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	12	12
05.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	11	10	12
06.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	11	8	12
07.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	1	-	1
08.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	1	2

Layer 3AS3: Shrub (5×5 m) [22°42'36.628" N; 86°35'14.281" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	1	1	1
02.	<i>Randia spinosa</i> (Karhar)	Rubiaceae	2	2	2
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	17	19	22
04.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	5	5	5
05.	<i>Hemidesmus indicus</i> (Anantamul)	Apocynaceae	1	-	1
06.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	23	18	25
07.	<i>Terminalia alata</i> (Asan)	Combretaceae	11	11	11
08.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	4	2	5
09.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	5	2	5
10.	<i>Cissus repanda</i> (Panilata) (Panilata)	Vitaceae	4	3	4
11.	<i>Smilax zeylanica</i> (Ramdantan/Kumarika)	Smilacaceae	3	3	4
12.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	7	7	7
13.	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	Apocynaceae	1	1	1
14.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	1	-	1
15.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	7	5	8
16.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	1	1
17.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	2	1	2

Layer 3AS4: Shrub (5×5 m) [22°42'37.350" N; 86°35'14.803" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	14	12	15
02.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	5	5	5
03.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	17	10	18
04.	<i>Terminalia alata</i> (Asan)	Combretaceae	3	3	3
05.	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	Apocynaceae	1	1	1
06.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	1	-	1
07.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	7	7	7
08.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	1	-	1
09.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	10	12
10.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	1	1

11.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	2	2	2
12.	<i>Grewia hirsuta</i> (Kukurbicha)	Malvaceae	1	-	1
13.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	7	6	7
14.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	1	-	1
15.	<i>Ehretia acuminata</i> (Kulu aja)	Boraginaceae	2	2	3

Layer 3AH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	6	5	8
02.	<i>Cyperus niveus</i>	Cyperaceae	1	-	1

Layer 3AH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Polygala crotalarioides</i> (Nelkantha)		3	2	3
02.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	3	2	4
03.	<i>Eulophia explanata</i>	Orchidaceae	4	4	5

Layer 3AH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Curculigo orchioides</i> (Talmuli)	Hypoxidaceae	1	1	1
02.	<i>Polygala crotalarioides</i> (Nelkantha)		2	1	2
03.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	3	3	4
04.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	2	2	2

Layer 3AH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	1	1	2
02.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	1	2

Layer 3AH5: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	3	3	3
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	2	2	2
03.	<i>Polygala crotalarioides</i> (Nelkantha)		1	-	1
04.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	1	1	2
05.	<i>Cyperus sp</i>	Cyperaceae	2	-	2

Field Data Sheet-3B

Grid No.: 3

Name of the site: Bagdoba

Plot no.: 3B

Slope angle:

Latitude: 22°42'37.505" N

Longitude: 86°35'12.559" E

Altitude: 847ft

Aspect:

Layer 3B: Tree (20×20 m)

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	54	12
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	9
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	6
04.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	67	15
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	4
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	28	9
07.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	3036	1410
08.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	26	9
09.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	56	12
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	41	14
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	39	12
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	37	10
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	44	14
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	45	12
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	37	12
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	21	9
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	52	15
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	27	10
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	5
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	9
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	52	15
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	50	16
24.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	36	14
25.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	6
26.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	7
27.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	48	16
28.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	27	8
29.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	8
30.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	21	9
31.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	36	10
32.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	31	12
33.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	38	9
34.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	78	16
35.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	31	10
36.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	5
37.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	18	6
38.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	23	5
39.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	22	5
40.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	6
41.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	3

42.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	23	8
43.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	10	2.50
44.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	4	3
45.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	30	10
46.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	24	3
47.	<i>Terminalia alata</i> (Asan)	Combretaceae	53	16
48.	<i>Terminalia alata</i> (Asan)	Combretaceae	56	16
49.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	24	7
50.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	91	18
51.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	48	15
52.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	132	22
53.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	9	2.50
54.	<i>Cassia fistula</i> (Bandorlathi)	Fabaceae	24	10
55.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	55	12
56.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	54	12
57.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	62	14
58.	<i>Casearia tomentosa</i> (Churchumann)	Salicaceae	24	3
59.	<i>Firmiana simplex</i> Syn. <i>Sterculia urens</i> (Bandarpichla)	Malvaceae/ Sterculaceae	36	7

Layer 3BS1: Shrub (5×5 m) [22°42'37.444" N; 86°35'13.347" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	12	10	12
02.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	12	12	14
03.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	5	3	5
04.	<i>Terminalia alata</i> (Asan)	Combretaceae	8	8	8
05.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	6	5	6
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	12	17
07.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	-	1
08.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	3	3	3
09.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	1	1	1
10.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	1	1	1
11.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	1	-	1

Layer 3BS2: Shrub (5×5 m) [22°42'36.938" N; 86°35'13.552" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	16	15	17
02.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	12	10	12
03.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	6	4	6
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	7	7	7
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	18	22
06.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	2	2	2
07.	<i>Casearia tomentosa</i> (Churchumann)	Salicaceae	1	-	1

Layer 3BS3: Shrub (5×5 m) [22°42'36.807" N; 86°35'12.415" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	3	3	3
02.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	14	11	15
03.	<i>Terminalia alata</i> (Asan)	Combretaceae	4	4	4
04.	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	Apocynaceae	2	2	2
05.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	10	9	10
06.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	2	1	2
07.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	4	4	5
08.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	1	1	1
09.	<i>Randia spinosa</i> (Karhar)	Rubiaceae	1	-	1

Layer 3BS4: Shrub (5×5 m) [22°42'37.505" N; 86°35'12.559" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	5	5	5
02.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	5	3	5
03.	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	Apocynaceae	2	2	2
04.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	1	-	1
05.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	4	4	5
05.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	3	2	3
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	5	5	7
07.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	9	9	10
08.	<i>Casearia tomentosa</i> (Churchumann)	Salicaceae	1	-	1
09.	<i>Randia spinosa</i> (Karhar)	Rubiaceae	2	2	3

Layer 3BH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	2	2	2
02.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	1	-	1
03.	<i>Sida cordata</i>	Malvaceae	1	1	1
04.	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	Apocynaceae	3	3	4

Layer 3BH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	4	4	4
02.	<i>Curculigo orchioides</i> (Talmuli)	Hypoxidaceae	1	-	1
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	3	3	5
04.	<i>Cynodon dactylon</i>	Poaceae	9	9	12
05.	<i>Blumea flava</i>	Asteraceae	2	1	2

Layer 3BH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Curculigo orchioides</i> (Talmuli)	Hypoxidaceae	4	2	4
02.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	1	-	2

Layer 3BH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Polygala crotalarioides</i> (Nelkantha)		3	3	3
02.	<i>Blumea flava</i>	Asteraceae	4	4	4
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	1	1	3
04.	<i>Curculigo orchioides</i> (Talmuli)	Hypoxidaceae	1	-	1

Layer 3BH5(middle) Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Chromolaena odorata</i> (Bagh dhoka) (<i>Eupatorium</i> sp.)	Asteraceae	1	1	1
02.	<i>Curculigo orchioides</i> (Talmuli)	Hypoxidaceae	1	-	1
03.	<i>Cyperus niveus</i>	Cyperaceae	1	1	2

Field Data Sheet-3C

Grid No.: 3

Name of the site: Bagdoba

Plot no.: 3C

Slope angle:

Latitude: 22°42'38.212" N

Longitude: 86°35'11.855" E

Altitude: 835ft

Aspect:

Layer 3C: Tree (20×20 m)

SI No.	Name/Code of species	Family	Girth (cm)	Height (m)
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	76	15
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	30	11
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	60	15
04.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	37	14
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	40	14
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	52	16
07.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	6
08.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	3
09.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	51	13
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	33	10
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	32	10
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	6
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	45	14
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	70	18
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	16
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	4
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	51	10
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	47	13
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	8
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	33	8
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	9
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	55	10
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	45	12
24.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	37	11
25.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3
26.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	6
27.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	6
28.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	43	12
29.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3.50
30.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	8	2
31.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	8
32.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	9
33.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	77	16
34.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	4
35.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	47	13
36.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	5
37.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	18	4
38.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	20	4
39.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	18	7
40.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	34	9
41.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	2

42.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	2.50
43.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	8	2
44.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	2
45.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	5
46.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	4.50
47.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	17	5
48.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	8	2
49.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	14	5
50.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	3
51.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	8	3
52.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	11	4
53.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	2
54.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	14	5
55.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	18	4
56.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	6
57.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	3
58.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	23	8
59.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	52	10
60.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	23	8
61.	<i>Terminalia alata</i> (Asan)	Combretaceae	19	6
62.	<i>Terminalia alata</i> (Asan)	Combretaceae	61	9
63.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	63	15
64.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	13	4
65.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	114	25
66.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	65	14
67.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	50	11
68.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	71	16
69.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	18	2
70.	<i>Miliusa velutina</i> (Chapati)	Annonaceae	19	6
71.	<i>Cassia fistula</i> (Bandorlathi)	Fabaceae	9	8
72.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	46	12
73.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	63	15
74.	<i>Careya arborea</i> (Asta) (Asta/ Kumbhi)	Lecythidaceae	17	4
75.	<i>Haldina cordifolia</i> (Karam)	Rubiaceae	19	4

Layer 3CS1: Shrub (5×5 m) [22°42'38.003" N; 86°35'12.312" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	10	8	10
02.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	8	8	8
03.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	3	2	3
04.	<i>Terminalia alata</i> (Asan)	Combretaceae	4	4	5
05.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	1	-	1
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	15	15	18
07.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	6	5	7
08.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	1	1
09.	<i>Casearia tomentosa</i> (Churchmann)	Salicaceae	13	10	15

10.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	2	-	2
11.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	1	1	1
12.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	1	1	2
13.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	1	1	1
14.	<i>Randia spinosa</i> (Karhar)	Rubiaceae	2	1	2

Layer 3CS2: Shrub (5×5 m) [22°42'38.490" N; 86°35'12.139" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	14	14	15
02.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	13	12	15
03.	<i>Terminalia alata</i> (Asan)	Combretaceae	3	3	3
04.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	2	1	2
05.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	3	3	3
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	10	15
07.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	1	-	1
08.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	2	2	2
09.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	2	1	2
10.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	1	1	2

Layer 3CS3: Shrub (5×5 m) [22°42'38.124" N; 86°35'11.591" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	4	4	5
02.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	10	8	10
03.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	6	6	7
04.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	2	1	2
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	6	6	8
06.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	1	1	1
07.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	4	4	5
08.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	1	1	1
09.	<i>Grewia hirsuta</i> (Kukurbicha)	Malvaceae	1	-	1
10.	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	Apocynaceae	2	2	2

Layer 3CS4: Shrub (5×5 m) [22°42'38.808" N; 86°35'11.710" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	1	1	1
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	19	15	20
03.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	10	8	12
04.	<i>Smilax zeylanica</i> (Ramdantan/Kumarika)	Smilacaceae	1	-	1
05.	<i>Hultholia mimosoides</i> (Kundrulota)	Fabaceae	1	1	1

06.	<i>Hemidesmus indicus</i> (Anantamul)	Apocynaceae	2	-	2
07.	<i>Terminalia alata</i> (Asan)	Combretaceae	1	1	1
08.	<i>Meyna laxiflora</i> (Moynakanta)	Rubiaceae	2	2	2
09.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	2	1	2
10.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	1	1
11.	<i>Lygodium sp</i> (Bedjal)	Lygodiaceae	1	1	2
12.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	2	2	2
13.	<i>Tamilnadia uliginosa</i> (Pindra)	Rubiaceae	1	1	1
14.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	1	-	1
15.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	1	1	1
16.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	1	-	1
17.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	1	1	1
18.	<i>Marsdenia tenacissima</i> (Jiti)	Apocynaceae	1	-	1

Layer 3CH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	3	1	3
02.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	2	2
03.	<i>Eulophia explanata</i>	Orchidaceae	4	4	5

Layer 3CH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Dalbergia sissoo</i> (Sishu)	Fabaceae	2	2	2
02.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	3	3	4
03.	<i>Blumea flava</i>	Asteraceae	2	2	2
04.	<i>Chromolaena odorata</i> (Bagh dhoka)	Asteraceae	3	1	3

Layer 3CH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Randia spinosa</i> (Karhar)	Rubiaceae	3	3	3
02.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	1	-	1
03.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	1	1	1

Layer 3CH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Dalbergia sissoo</i> (Sishu)	Fabaceae	1	1	1
02.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	2	1	2
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	2	2	4

Layer 3CH5: Herb (Middle)(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Blumea flava</i>	Asteraceae	2	2	2
02.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	1	1	1
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	1	-	1

Field Data Sheet-3D

Grid No.: 3

Name of the site: Bagdoba

Plot no.: 3D

Slope angle:

Latitude: 22°42'37.933" N

Longitude: 86°35'10.728" E

Altitude: 825ft

Aspect:

Layer 3D: Tree (20×20 m)

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
1.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	75	15
2.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	73	14.50
3.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	3
4.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	31	11
5.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	59	12.50
6.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	39	13
7.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	41	12
8.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	51	16
9.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	6
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	51	13.50
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	32	10
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	5.50
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	44	14
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	71	18
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	14
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	5
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	50	10
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	48	13
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	7
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	33	9
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	4
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	56	10
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	45	11
24.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	37	12
25.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	2.50
26.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	5
27.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	6
28.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	47	12
29.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3.50
30.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	8	2
31.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	4
32.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	6
33.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	4.50
34.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	19	7
35.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	18	5
36.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	3
37.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	4.50
38.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	2.20
39.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	34	8
40.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	21	4

41.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	7	2
42.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	15	4
43.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	6
44.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	25	8
45.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	11	5
46.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	54	11
47.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	21	7.50
48.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	27	6
49.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	61	12
50.	<i>Terminalia alata</i> (Asan)	Combretaceae	25	6.50
51.	<i>Terminalia alata</i> (Asan)	Combretaceae	56	8
52.	<i>Terminalia alata</i> (Asan)	Combretaceae	31	7
53.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	12	5
54.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	57	11
55.	<i>Miliusa velutina</i> (Chapati)	Annonaceae	45	9.50
56.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	36	12
57.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	75	14
58.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	19	3.50
59.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	43	8
60.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	29	4
61.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	17	3.50
62.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	51	9
63.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	58	13
64.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	13	2
65.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	15	3
66.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	9	2
67.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	25	7
68.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	51	13

Layer 3DS1: Shrub (5×5 m) [22°42'38.346" N; 86°35'11.032" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	15	18
02.	<i>Dalbergia sissoo</i> (Sishu)	Fabaceae	2	2	2
03.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	3	3	3
04.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	2	2	2
05.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	11	10	12
06.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	1	-	1
07.	<i>Terminalia alata</i> (Asan)	Combretaceae	2	2	2
08.	<i>Phoenix sylvestris</i>	Arecaceae	3	3	4
09.	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	Apocynaceae	1	1	1
10.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	5	4	5

Layer 3DS2: Shrub (5×5 m) [22°42'37.796" N; 86°35'11.037" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	15	12	17
02.	<i>Terminalia alata</i> (Asan)	Combretaceae	7	7	8
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	16	19
04.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	1	-	1
05.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	6	6	7
06.	<i>Marsdenia tenacissima</i> (Jiti)	Apocynaceae	2	2	2
07.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	1	-	1
08.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	3	3	4
09.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	1	1	1
10.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	2	2	2
11.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	5	5	7

Layer 3DS3: Shrub (5×5 m) [22°42'38.106" N; 86°35'10.227" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	9	15
02.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	7	7	7
03.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	9	9
04.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	3	3	3
05.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	1	1	2
06.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	1	1	1
07.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	2	2	2
08.	<i>Butea superba</i> (Lata palash)	Fabaceae	1	-	1
09.	<i>Grewia hirsuta</i> (Kukurbicha)	Malvaceae	5	4	5
10.	<i>Dregea volubilis</i> (Vabrilota/Maronjibi)	Apocynaceae	3	3	4
11.	<i>Aristolochia indica</i> (Isharmul)	Aristolochiaceae	1	-	1
12.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	2	1	2

Layer 3DS4: Shrub (5×5 m) [22°42'38.498" N; 86°35'10.477" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	15	15	16
02.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	3	2	3
03.	<i>Marsdenia tenacissima</i> (Jiti)	Apocynaceae	1	1	1
04.	<i>Smilax zeylanica</i> (Ramdantan/Kumarika)	Smilacaceae	2	1	2
05.	<i>Hultholia mimosoides</i> (Kundrulota)	Fabaceae	1	1	1
06.	<i>Hemidesmus indicus</i> (Anantamul)	Apocynaceae	1	-	1
07.	<i>Terminalia alata</i> (Asan)	Combretaceae	2	2	2
08.	<i>Meyna laxiflora</i> (Moynakanta)	Rubiaceae	1	1	1

09.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	2	2	2
10.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	1	1
11.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	12	12	15
12.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	2	2	2
13.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	1	1	2
14.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	1	-	1
15.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	1	1	1
16.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	1	-	2
17.	<i>Rivea hypocreteriformis</i>	Convolvulaceae	2	2	2

Layer 3DH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Orthosiphon thymiflorus</i> (Bhulikari)	Lamiaceae	3	3	3
02.	<i>Rivea hypocreteriformis</i>	Convolvulaceae	1	1	1
03.	<i>Eulophia explanata</i>	Orchidaceae	2	-	2
04.	<i>Blumea flava</i>	Asteraceae	1	1	2

Layer 3DH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Curcuma aromatica</i>	Zingiberaceae	5	3	5
02.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	3	3	4
03.	<i>Chromolaena odorata</i> (Bagh dhoka)	Asteraceae	3	2	3

Layer 3DH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Blumea flava</i>	Asteraceae	3	2	3
02.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	1	1	2
03.	<i>Eulophia explanata</i>	Orchidaceae	3	2	3
04.	<i>Leucas angularis</i>	Lamiaceae	2	2	2
05.	<i>Grewia hirsuta</i>	Malvaceae	1	-	1

Layer 3DH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Grewia hirsuta</i>	Malvaceae	4	4	4
02.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	1	-	1
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	3	2	3
04.	<i>Rivea hypocreteriformis</i>	Convolvulaceae	1	1	2

Layer 3DH5: Herb (Middle)(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Curcuma aromatica</i>	Zingiberaceae	7	5	7
02.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	1	1	2
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	1	1	1

Field Data Sheet-3E

Grid No.: 3

Latitude: 22°42'38.035" N

Name of the site: Bagdoba

Longitude: 86°35'09.358" E

Plot no.: 3E

Altitude: 812ft

Slope angle:

Aspect:

Layer 3E: Tree (20×20 m)

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
1.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	6
2.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	48	12
3.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	2.50
4.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	2
5.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	29	10
6.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	51	16
7.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	54	16
8.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	9
9.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	56	17
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	73	15
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	26	9
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	4
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	91	23
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	3
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	71	22
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	26	9
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	68	7
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	8
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	8
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	46	11
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	74	10
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	30	10
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	51	16
24.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	51	15
25.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	7
26.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	4.50
27.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	30	6
28.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	38	9
29.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	3
30.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	21	3
31.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	29	5
32.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	27	6
33.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	27	7
34.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	15	5
35.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	10	2
36.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	18	6
37.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	11	2.50
38.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	17	5
39.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	14	4
40.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	21	6
41.	<i>Terminalia alata</i> (Asan)	Combretaceae	24	8.50
42.	<i>Terminalia alata</i> (Asan)	Combretaceae	48	14

43.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	33	10
44.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	28	9
45.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	32	10
46.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	27	9
47.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	29	10
48.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	33	3
49.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	22	6
50.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	22	9
51.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	8	2.50
50.	<i>Haldina cordifolia</i> (Karam)	Rubiaceae	10	2.50

Layer 3ES1: Shrub (5×5 m) [22°42'38.071" N; 86°35'09.912" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	9	9	10
02.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	9	8	9
03.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	3	1	3
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	8	8	8
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	12	20
06.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	2	2
07.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	2	1	2
08.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	3	3	3
09.	<i>Grewia hirsuta</i> (Kukurbicha)	Tiliaceae	1	-	1
10.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	1	1	2
11.	<i>Randia spinosa</i> (Karhar)	Rubiaceae	12	9	12

Layer 3ES2: Shrub (5×5 m) [22°42'37.624" N; 86°35'09.684" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	5	5	5
02.	<i>Hemidesmus indicus</i> (Anantamool)	Apocynaceae	3	1	3
03.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	4	2	4
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	9	9
05.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	1	-	1
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	10	15
07.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	6	6	6
08.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	-	1
09.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	1	-	1
10.	<i>Lygodium sp</i>	Lygodiaceae	3	3	4
11.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	4	4	5

Layer 3ES3: Shrub (5×5 m) [22°42'37.793" N; 86°35'09.144" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	7	7	7
02.	<i>Hemidesmus indicus</i> (Anantamool)	Apocynaceae	5	2	5
03.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	1	-	1
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	6	6	6
05.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	3	3	4
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	15	20
07.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	2	2
08.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	-	1
09.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	2	-	2
10.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	1	1	1
11.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	2	2	2
12.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	3	3	4

Layer 3ES4: Shrub (5×5 m) [22°42'38.321" N; 86°35'09.200" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	2	1	2
02.	<i>Hemidesmus indicus</i> (Anantamool)	Apocynaceae	1	-	1
03.	<i>Grewia hirsuta</i> (Kukurbicha)	Tiliaceae	5	4	5
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	3	3	3
05.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	1	-	1
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	12	18
07.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	1	1	1
08.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	2	-	2
09.	<i>Lygodium sp</i> (Bedajal)	Lygodiaceae	3	3	3
10.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	2	2	3
11.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	1	1	1
12.	<i>Randia spinosa</i> (Karhar)	Rubiaceae	7	7	7
13.	<i>Marsdenia tenacissima</i> (Jiti)	Apocynaceae	2	2	3
14.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	1	-	1

Layer 3EH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Chromolaena odorata</i> (Bagh dhoka)	Asteraceae	1	1	1
02.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	1	-	1
03.	<i>Dalbergia sissoo</i> (Sishu)	Fabaceae	1	1	1
04.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	2	2	3
05.	Nilkantho	Fabaceae	1	-	1

Layer 3EH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	3	2	3
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	1	1	1
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	1	1	2

Layer 3EH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	3	3	3
02.	<i>Byttneria herbacea</i> (Kambraj)	Malvaceae	1	-	1
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	2	2	3
04.	<i>Dalbergia sissoo</i> (Sishu)	Fabaceae	2	1	2
05.	<i>Nilkantho</i>	Fabaceae	2	2	3

Layer 3EH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	3	3	3
02.	<i>Cyperus niveus</i>	Cyperaceae	2	2	3
03.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	1	-	1
04.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	3	3	3
05.	<i>Lygodium sp</i>		1	-	1

Layer 3EH5: Herb (Middle)(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	2	2	2
02.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	2	2	2
03.	<i>Blumea flava</i>	Asteraceae	1	1	1
04.	<i>Dalbergia sissoo</i> (Sishu)	Fabaceae	1	1	1
05.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	1	-	1
06.	<i>Nilkantho</i>	Fabaceae	2	2	3

Field Data Sheet-4A

Grid No.: 4

Name of the site: Aamjharna

Plot no.: 4A

Slope angle:

Layer 4A: Tree (20×20 m)

Latitude: 22°42'43.192" N

Longitude: 86°34'10.460" E

Altitude: 687ft

Aspect:

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
1.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	60	18
2.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	3
3.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	15
4.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	8
5.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	22	4
6.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	2.50
7.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	3
8.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	28	7
9.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	2.50
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	3
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	124	30
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	5
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	4
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	4
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	4
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	65	18
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	2
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	4
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	3
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	6
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	2
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	2.50
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	3
24.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	17	3
25.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	10	2
26.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	14	3
27.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	28	4
28.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	24	4
29.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	27	5
30.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	17	4
31.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	4
32.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	44	10
33.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	9	3
34.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	11	3
35.	<i>Terminalia alata</i> (Asan)	Combretaceae	9	2
36.	<i>Terminalia alata</i> (Asan)	Combretaceae	18	3
37.	<i>Terminalia alata</i> (Asan)	Combretaceae	11	2.50
38.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	145	25
39.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	36	5
40.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	9	3
41.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	20	5
42.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	129	18

43.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	71	18
44.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	78	16
45.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	17	5
46.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	14	4
47.	<i>Ehretia acuminata</i> (Kulu aja)	Boraginaceae	9	2.50
48.	<i>Albizia procera</i> (Sada shirish)	Fabaceae	101	18
49.	<i>Terminalia bellirica</i> (Bahera)	Combretaceae	8	2.50
50.	<i>Haldina cordifolia</i> (Karam)	Rubiaceae	28	5
51.	<i>Ougeinia oojeinensis</i> (Panjan/Kalapalash)	Fabaceae	40	12
52.	<i>Ougeinia oojeinensis</i> (Panjan/Kalapalash)	Fabaceae	113	16

Layer 4AS1: Shrub (5×5 m) [22°42'43.124" N; 86°34'10.687" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Azanza lampas</i> (Ban kapas)	Malvaceae	2	1	2
02.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	6	4	7
03.	<i>Hemidesmus indicus</i> (Anantamool)	Apocynaceae	3	1	3
04.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	4	3	4
05.	<i>Terminalia alata</i> (Asan)	Combretaceae	6	5	6
06.	<i>Bauhinia vahlii</i> Syn. <i>Phanera vahlii</i> (Chihurlata)	Fabaceae	1	-	2
07.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	7	5	9
08.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	6	5	6
09.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	12	20
10.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	1	1	1
11.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	1	1
12.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	5	2	6
13.	<i>Phoenix loureiroi</i> (Bonkhenjur)	Arecaceae	1	1	1
14.	<i>Grewia hirsuta</i> (Kukurbicha)	Tiliaceae	4	4	4
15.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	3	2	4
16.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	3	-	3
17.	<i>Lanea coromandelica</i> (Jiyol)	Anacardiaceae	3	3	3
18.	<i>Spatholobus parviflorus</i> (Bandolata)	Fabaceae	1	-	1

Layer 4AS2: Shrub (5×5 m) [22°42'43.571" N; 86°34'10.492" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	5	5	5
02.	<i>Smilax zeylanica</i> (Ramdantan)	Smilacaceae	1	-	1
03.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	3	3	5
04.	<i>Terminalia alata</i> (Asan)	Combretaceae	2	2	2
05.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	1	-	1
06.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	4	2	5
07.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	15	22
08.	<i>Phoenix loureiroi</i> (Bonkhenjur)	Arecaceae	1	-	1
09.	<i>Dioscorea bulbifera</i> (Shikorpanja)	Dioscoreaceae	8	4	10
10.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	4	4	4
11.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	1	-	1

12.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	3	3	3
13.	<i>Spatholobus parviflorus</i> (Bandolata)	Fabaceae	2	-	2
14.	<i>Erycibe paniculata</i>	Convolvulaceae	3	-	3

Layer 4AS3: Shrub (5×5 m) [22°42'43.133" N; 86°34'10.156" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	-	-	2
02.	<i>Smilax zeylanica</i> (Ramdantan)	Smilacaceae	1	-	2
03.	<i>Hemidesmus indicus</i> (Anantamool)	Apocynaceae	1	1	1
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	1	2
05.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	3	-	2
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	14	25
07.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	2	2
08.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	-	1
09.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	3	-	4
10.	<i>Lagerstroemia parviflora</i> (Sidha)	Lythraceae	2	-	2
11.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	3	1	3
12.	<i>Catunaregam spinosa</i>	Rubiaceae	1	-	1
13.	<i>Butea superva</i>	Fabaceae	2	2	2

Layer 4AS4: Shrub (5×5 m) [22°42'42.697" N; 86°34'10.615" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	8	6	9
02.	<i>Smilax zeylanica</i> (Ramdantan)	Smilacaceae	2	-	2
03.	<i>Hemidesmus indicus</i> (Anantamool)	Apocynaceae	2	2	2
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	5	3	5
05.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	1	1	1
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	11	19
07.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	1	1	1
08.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	2	1	2
09.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	1	-	1
10.	<i>Lagerstroemia parviflora</i> (Sidha)	Lythraceae	1	1	1
11.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	2	2	2
12.	<i>Ampelocissus latifolia</i> (Kumarlata)	Vitaceae	2	-	2
13.	<i>Butea superva</i>	Fabaceae	1	-	1
14.	<i>Helicteres isora</i> (Gamochra)	Malvaceae	3	2	3

Layer 4AH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Chromolaena odorata</i> (Bagh dhoka)	Asteraceae	1	1	1
02.	<i>Byttneria herbacea</i> (Kambraj)	Malvaceae	1	-	1
03.	<i>Dalbergia sissoo</i> (Sishu)	Fabaceae	2	2	2
04.	<i>Hemidesmus indicus</i>	Apocynaceae	1	1	1
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	2	-	3
06.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	1	1	1

Layer 4AH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Hemidesmus indicus</i>	Apocynaceae	3	3	3
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	4	2	5
03.	<i>Azanza lampas</i>	Malvaceae	3	3	3
04.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	1	-	1
05.	<i>Albizia procera</i> (Sada shirish)	Fabaceae	1	1	2
06.	Nilkantho	Fabaceae	1	-	1

Layer 4AH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Asparagus officinalis</i>	Asparagaceae	1	1	1
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	4	-	6
03.	<i>Eulaliopsis binata</i> (Babui)	Poaceae	4	2	4
04.	Nilkantho	Fabaceae	1	-	2

Layer 4AH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Byttneria herbacea</i> (Kambraj)	Malvaceae	1	1	1
02.	<i>Eulaliopsis binata</i> (Babui)	Poaceae	5	2	5
03.	<i>Cynodon dactylon</i>	Poaceae	2	2	2
04.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	5	1	6
05.	Nilkantho	Fabaceae	2	2	2
06.	<i>Murdannia edulis</i> (Sia Mushli)	Convolvulaceae	1	-	1
07.	<i>Chlorophytum tuberosum</i>	Asparagaceae	2	-	3

Layer 4AH5: Herb (Middle)(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Byttneria herbacea</i> (Kambraj)	Malvaceae	1	1	1
02.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	2	-	2
03.	<i>Cyperus niveus</i>	Cyperaceae	10	5	12
04.	<i>Dalbergia sissoo</i> (Sishu)	Fabaceae	1	-	1
05.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	1	-	1
06.	<i>Hemidesmus indicus</i>	Apocynaceae	2	1	2
07.	<i>Meyna laxiflora</i>	Rubiaceae	1	1	1
06.	<i>Cissus repanda</i> (Panilata)	Vitaceae	1	-	1
07.	<i>Lepidagathis incurva</i>	Acanthaceae	3	2	5

Field Data Sheet-4B

Grid No.: 4

Latitude: 22°42'44.831" N

Name of the site: Aamjharna

Longitude: 86°34'09.797" E

Plot no.: 4B

Altitude: 748ft

Slope angle:

Aspect:

Layer 4B: Tree (20×20 m)

SI No.	Name/Code of species	Family	Girth (cm)	Height (m)
1.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	46	15
2.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	47	14
3.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	3
4.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	2
5.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	9
6.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	87	20
7.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	2
8.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	5
9.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	4
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	47	15
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	46	15
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	5
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	48	15
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	47	16
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	48	16
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	21	4.50
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	21	5
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	3
19.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	10	2
20.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	61	15
21.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	45	13
22.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	30	10
23.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	22	8
24.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	39	10
25.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	51	12
26.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	98	16
27.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	92	15
28.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	90	14
29.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	34	14
30.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	16	7
31.	<i>Dillenia aurea</i> (Bonchalta)		8	1.50

Layer 4BS1: Shrub (5×5 m) [22°42'44.281" N; 86°34'09.708" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	5	2	6
02.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	3	3	3
03.	<i>Terminalia alata</i> (Asan)	Combretaceae	3	3	3
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	5	12
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	22	12	25
06.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	2	2
07.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	10	5	12

08.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	3	3	3
09.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	9	7	10
10.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	2	-	2
11.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	6	2	6
12.	<i>Coccinia grandis</i> (Ban kundri)	Cucurbitaceae	2	-	2
13.	<i>Phyllanthus emblica</i> (Amlaki)	Phyllanthaceae	2	-	2

Layer 4BS2: Shrub (5×5 m) [22°42'44.801" N; 86°34'10.170" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	7	5	10
02.	<i>Terminalia alata</i> (Asan)	Combretaceae	1	-	1
03.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	6	4	6
03.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	5	2	5
04.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	5	12
05.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	2	2	2
06.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	1	-	1
07.	<i>Catunaregam spinosa</i>	Rubiaceae	1	-	1
08.	<i>Ziziphus oenoplia</i>	Rhamnaceae	2	1	1

Layer 4BS3: Shrub (5×5 m) [22°42'44.794" N; 86°34'09.364" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	12	10	12
02.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	11	11	11
03.	<i>Smilax ovalifolia</i> (Ramdantan/Kumarika)	Smilacaceae	1	-	1
04.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	4	-	4
05.	<i>Terminalia alata</i> (Asan)	Combretaceae	5	2	6
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	10	10	10
07.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	3	-	3
08.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	8	16
09.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	4	4	4
10.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	2	2	2
11.	<i>Lygodium sp</i>	Lygodiaceae	1	-	1
12.	<i>Woodfordia fruticosa</i> (Dhai)	Lythraceae	1	1	1
14.	<i>Plumbago zeylanica</i> (Chita)	Plumbaginaceae	3	1	3
15.	<i>Rivea hypocreteriformis</i>	Convolvulaceae	3	3	3
16.	<i>Ampelocissus latifolia</i> (Kumarlata)	Vitaceae	2	-	2
18.	<i>Dioscorea villosa</i>	Dioscoreaceae	1	1	1
19.	<i>Grewia hisuta</i>	Malvaceae	2	-	2
20.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	5	5	5
21.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	2	1	2
22.	<i>Ziziphus oenoplia</i>	Rhamnaceae	1	-	1
23.	<i>Asparagus officinalis</i>	Asparagaceae	4	-	5

Layer 4BS4: Shrub (5×5 m) [22°42'45.124" N; 86°34'09.773" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	6	6	6
02.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	9	8	9
03.	<i>Terminalia alata</i> (Asan)	Combretaceae	1	-	1
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	10	15
05.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	6	2	6
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	12	22
07.	<i>Ziziphus oenopolia</i>	Rhamnaceae	1	-	1
08.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	3	3	3
09.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	1	-	1
10.	<i>Phyllanthus emblica</i> (Amlaki)	Phyllanthaceae	3	2	3

Layer 4BH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Eulaliopsis binata</i> (Babui)	Poaceae	15	10	18
02.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	1	-	1
03.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	1	1	1
04.	Nilkantho	Fabaceae	1	-	1
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	6	2	7

Layer 4BH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	1	1	1
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	2	-	2
03.	<i>Eulaliopsis binata</i> (Babui)	Poaceae	3	1	3
04.	<i>Cyperus niveus</i>	Cyperaceae	5	2	5
05.	<i>Albizia procera</i> (Sada shirish)	Fabaceae	3	1	2
06.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	3	-	4

Layer 4BH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Phyllanthus emblica</i> (Amlaki)	Phyllanthaceae	2	2	2
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	1	-	1
03.	<i>Eulaliopsis binata</i> (Babui)	Poaceae	11	10	11
04.	<i>Byttneria herbacea</i> (Kambraj)	Malvaceae	3	1	3
05.	<i>Plumbago zeylanica</i> (Chita)	Plumbaginaceae	2	-	2

Layer 4BH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Byttneria herbacea</i> (Kambraj)	Malvaceae	2	-	2
02.	<i>Asparagus officinalis</i> (Satamuli)	Asparagaceae	2	-	3
03.	<i>Albizia procera</i> (Sada shirish)	Fabaceae	1	1	1
04.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	2	1	3
05.	<i>Ampelocissus latifolia</i> (Kumarlata)	Vitaceae	1	-	1
06.	<i>Indigofera heterantha</i> (Himalayan Indigo)	Fabaceae	3	1	3

Layer 4BH5: Herb (Middle)(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	1	1	1
02.	<i>Eulaliopsis binate</i>	Poaceae	12	10	15
03.	<i>Indigofera heterantha</i> (Himalayan Indigo)	Fabaceae	2	-	2

Field Data Sheet-4C

Grid No.: 4

Latitude: 22°42'46.269" N

Name of the site: Aamjharna

Longitude: 86°34'06.054" E

Plot no.: 4C

Altitude: 785ft

Slope angle:

Aspect:

Layer C: Tree (20×20 m)

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
1.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	63	15
2.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	37	10
3.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	46	9
4.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	12
5.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	37	14
6.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	43	15
7.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	61	9
8.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	6
9.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	47	14
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	53	8
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	28	5
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	44	10
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	28	8
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	41	8
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	51	10
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	73	12
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	56	16
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	4
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	48	14
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	50	10
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	48	10
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	40	5
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	36	11
24.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	5
25.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	36	10
26.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	81	16
27.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	106	18
28.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	36	10
29.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	21	3
30.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	51	14
31.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	4
32.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	8	3
33.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	15	3
34.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	17	5
35.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	22	8
36.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	65	14
37.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	46	12
38.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	83	18
39.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	31	4
40.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	80	25
41.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	90	17

42.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	10	3
43.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	8	3
44.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	10	3
45.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	10	4
46.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	35	10
47.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	74	15
48.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	23	6
49.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	10	3
50.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	10	4
51.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	34	3
52.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	31	8
53.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	10	3
54.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	37	8

Layer 4CS1: Shrub (5×5 m) [22°42'46.251" N; 86°34'06.695" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	13	10	15
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	5	5	5
03.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	1	-	1
04.	<i>Terminalia alata</i> (Asan)	Combretaceae	1	-	1
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	10	20
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	15	10	18
07.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	4	2	4
08.	<i>Ziziphus oenopolia</i>	Rhamnaceae	1	-	1
09.	<i>Cissus repanda</i> (Panilata)	Vitaceae	3	3	3
10.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	1	1	1
11.	<i>Grewia hirsute</i>	Malvaceae	1	-	1
12.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	13	9	14
13.	<i>Tamilnadia uliginosa</i> (Pindra)	Rubiaceae	6	6	6
14.	<i>Asparagus officinalis</i>	Asparagaceae	1	-	1
15.	<i>Helicteres isora</i> (Gamochra)	Malvaceae	1	-	1

Layer 4CS2: Shrub (5×5 m) [22°42'45.995" N; 86°34'06.381" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	7	5	8
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	9	9	9
03.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	3	-	3
04.	<i>Phanera vahlii</i>	Fabaceae	11	10	11
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	9	18
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	20	15	22
07.	<i>Smilax zeylanica</i>	Smilacaceae	2	-	2
08.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	1	1	1
09.	<i>Cissus repanda</i> (Panilata)	Vitaceae	1	-	1
10.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	2	2	2

11.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	1	1	1
12.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	5	2	5
13.	<i>Terminalia chebula</i>	Combretaceae	2	2	2
14.	<i>Asparagus officinalis</i>	Asparagaceae	2	-	2
15.	<i>Spatholobus parviflorus</i>	Fabaceae	1	-	1

Layer 4CS3: Shrub (5×5 m) [22°42'46.065" N; 86°34'05.732" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	9	5	10
02.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	7	-	7
03.	<i>Marsdenia tenacissima</i> (Jiti)	Apocynaceae	1	1	1
04.	<i>Phanera vahlii</i>	Fabaceae	1	-	1
05.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	14	10	15
06.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	3	-	3
07.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	14	22
08.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	5	5	5
09.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	3	3	3
10.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	1	-	1
11.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	3	2	3
12.	<i>Asparagus officinalis</i>	Asparagaceae	2	-	2

Layer 4CS4: Shrub (5×5 m) [22°42'46.898" N; 86°34'06.459" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	16	12	17
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	9	9	9
03.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	5	-	5
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	18	15	20
05.	<i>Smilax zeylanica</i>	Smilacaceae	1	1	1
06.	<i>Ziziphus oenopolia</i>	Rhamnaceae	3	3	3
07.	<i>Grewia hirsute</i>	Malvaceae	2	-	2
08.	<i>Asparagus officinalis</i>	Asparagaceae	2	2	2
09.	<i>Helicteres isora</i> (Gamochra)	Malvaceae	1	-	1
10.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	6	6	6

Layer 4CH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Byttneria herbacea</i> (Kambraj)	Malvaceae	4	2	5
02.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	1	1	1
03.	<i>Albizia procera</i> (Sada shirish)	Fabaceae	1	-	1
04.	<i>Dalbergia sissoo</i>	Fabaceae	2	-	2
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	3	3	4
06.	<i>Grewia hirsute</i>	Malvaceae	1	-	1

Layer 4CH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyperus niveus</i>	Cyperaceae	4	4	4
02.	<i>Asparagus officinalis</i>	Asparagaceae	1	-	1
03.	<i>Terminalia chebula</i>	Combretaceae	1	1	1
04.	Nilkantha	Fabaceae	1	-	1
05.	<i>Helicteres isora</i> (Gamochra)	Malvaceae	2	1	2

Layer 4CH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	1	1	1
02.	<i>Cyperus niveus</i>	Cyperaceae	10	8	15
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	5	-	8

Layer 4CH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Albizia procera</i> (Sada shirish) (Sadashirish)	Fabaceae	1	1	1
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	2	1	3
03.	<i>Rivea hypocrateriformis</i> (Kindupata)	Convolvulaceae	1	1	1
04.	<i>Lepidagathis incurve</i>	Acanthaceae	1	-	1
05.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	1	1	2

Layer 4CH5: (Middle)Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Dalbergia sissoo</i>	Fabaceae	1	1	1
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	2	1	4
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	1	1	1
04.	<i>Cyperus niveus</i>	Cyperaceae	2	-	2

Field Data Sheet-4D

Grid No.: 4

Latitude: 22°42'47.644" N

Name of the site: Aamjharna

Longitude: 86°34'07.069" E

Plot no.: 4D

Altitude: 895ft

Slope angle:

Aspect:

Layer D: Tree (20×20 m)

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
1.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	30	8
2.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	3
3.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	37	11
4.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	36	8
5.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	26	4
6.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	37	5
7.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	39	5
8.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	39	4
9.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	30	3
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	44	12
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	3
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	60	18
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	73	16
14.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	10	3
15.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	15	3
16.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	18	3
17.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	101	16
18.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	78	15
19.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	148	18
20.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	102	18
21.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	13	3
22.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	48	12
23.	<i>Diospyros melanoxyton</i> (Kendu)	Ebenaceae	115	19
24.	<i>Ougeinia oojeinensis</i> (Panjan/Kalapalash)	Fabaceae	16	4
25.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	15	3
26.	<i>Albizia procera</i> (Sada shirish) (Sadashirish)	Fabaceae	54	10
27.	<i>Albizia procera</i> (Sada shirish) (Sadashirish)	Fabaceae	151	25
28.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	96	16

Layer 4DS1: Shrub (5×5 m) [22°42'47.293" N; 86°34'07.265" E]

Sl No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxyton</i> (Kendu)	Ebenaceae	5	5	5
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	9	8	10
03.	<i>Helicteres isora</i> (Gamochra)	Malvaceae	3	3	3
04.	<i>Asparagus officinalis</i>	Asparagaceae	2	-	2

05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	10	16
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	7	5	7
07.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	1	1
08.	<i>Ziziphus oenopolia</i>	Rhamnaceae	2	1	2
09.	<i>Cissus repanda</i> (Panilata)	Vitaceae	1	-	1

Layer 4DS2: Shrub (5×5 m) [22°42'47.559" N; 86°34'06.887" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	3	3	3
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	2	2	2
03.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	2	-	2
04.	<i>Phanera vahlii</i>	Fabaceae	1	-	1
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	5	12
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	2	2
07.	<i>Smilax zeylanica</i>	Smilacaceae	2	-	2
08.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	1	1	1
09.	<i>Asparagus officinalis</i>	Asparagaceae	2	-	2
10.	<i>Spatholobus parviflorus</i>	Fabaceae	1	1	1
11.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	2	1	4

Layer 4DS3: Shrub (5×5 m) [22°42'48.354" N; 86°34'06.528" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	11	5	14
02.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	2	1	2
03.	<i>Marsdenia tenacissima</i> (Jiti)	Apocynaceae	1	1	1
04.	<i>Phanera vahlii</i>	Fabaceae	1	-	1
05.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	4	4	4
06.	<i>Careya arborea</i> (Asta)	Lecythidaceae	1	1	1
07.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	27	15	30
08.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	3	3	3
09.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	-	1
10.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	1	1	1
11.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	2	-	2
12.	<i>Asparagus officinalis</i>	Asparagaceae	3	-	5

Layer 4DS4: Shrub (5×5 m) [22°42'47.974" N; 86°34'07.307" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Ougeinia oojeinensis</i> (Panjan)	Fabaceae	2	2	2
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	1	1	1
03.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	1	-	1
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	12	15
05.	<i>Smilax zeylanica</i>	Smilacaceae	2	-	2
06.	<i>Ziziphus oenopolia</i>	Rhamnaceae	2	2	2
07.	<i>Grewia hirsute</i>	Malvaceae	3	1	3
08.	<i>Asparagus officinalis</i>	Asparagaceae	1	-	1
09.	<i>Helicteres isora</i> (Gamochra)	Malvaceae	2	1	3
10.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	3	1	5
11.	<i>Dillenia aurea</i>	Dilleniaceae	1	-	1

Layer 4DH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	3	1	5
02.	<i>Ougeinia oojeinensis</i> (Panjan)	Fabaceae	1	-	1
03.	<i>Grewia hirsute</i>	Malvaceae	1	1	1
04.	Nilkantha	Fabaceae	1	-	1

Layer 4DH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Lepidagathis incurve</i>	Acanthaceae	1	1	1
02.	<i>Cyperus niveus</i>	Cyperaceae	2	-	2
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	2	1	3
04.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	2	-	2
05.	<i>Eulaliopsis binate</i>	Poaceae	25	12	30

Layer 4DH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Lepidagathis incurve</i>	Acanthaceae	2	2	3
02.	<i>Eulaliopsis binate</i>	Poaceae	2	1	2
03.	<i>Cyperus niveus</i>	Cyperaceae	5	2	5
04.	<i>Smilax zeylanica</i>	Smilacaceae	1	-	1
05.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	1	-	1

06.	<i>Lygodium sp</i>	Lygodiaceae	1	1	2
07.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	1	1	1

Layer 4DH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Dalbergia sissoo</i>	Fabaceae	2	-	2
02.	<i>Plumbago zeylanica</i> (Chita)	Plumbaginaceae	1	1	1
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	3	3	4
04.	<i>Cyperus niveus</i>	Cyperaceae	4	2	4
05.	Nilkantha	Fabaceae	1	-	1

Layer 4DH5: (Middle)Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Eulaliopsis binate</i>	Poaceae	6	6	6
02.	<i>Cyperus niveus</i>	Cyperaceae	10	10	12
03.	<i>Byttneria herbacea</i> (Kambraj)	Malvaceae	2	2	2
04.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	1	-	1
05.	<i>Asparagus officinalis</i>	Asparagaceae	1	-	1
06.	Nilkantha	Fabaceae	1	1	1

Field Data Sheet-4E

Grid No.: 4

Name of the site: Aamjharna

Plot no.: 4E

Slope angle:

Layer E: Tree (20×20 m)

Latitude: 22°42'49.198" N

Longitude: 86°34'05.785" E

Altitude: 803ft

Aspect:

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
1.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	38	9
2.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	74	13
3.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	37	9
4.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	39	8
5.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	96	14
6.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	57	7
7.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	49	6
8.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	69	14
9.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	4
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	54	12
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	3.50
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	61	16
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	27	4
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	49	11
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	54	13
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	4
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	2.50
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	36	9.50
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	97	19
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	3
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	5
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	4.50
23.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	59	17
24.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	15	4
25.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	17	4
26.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	51	11
27.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	30	6.50
28.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	17	3
29.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	93	15
30.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	97	17
31.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	14	3.50
32.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	32	9
33.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	78	16
34.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	25	6
35.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	70	13
36.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	15	2.50
37.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	21	4
38.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	36	5
39.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	76	12
40.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	36	7
41.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	15	3.50

42.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	2
43.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	24	3
44.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	38	5

Layer 4ES1: Shrub (5x5 m) [22°42'49.331" N; 86°34'06.263" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5x5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	4	4	4
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	7	7	7
03.	<i>Helicteres isora</i> (Gamochra)	Malvaceae	5	2	5
04.	<i>Asparagus officinalis</i>	Asparagaceae	7	-	7
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	16	28
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	3	3	3
07.	<i>Cissus repanda</i> (Panilata)	Vitaceae	1	-	1
08.	<i>Ziziphus oenopolia</i>	Rhamnaceae	2	2	2

Layer 4ES2: Shrub (5x5 m) [22°42'49.771" N; 86°34'05.490" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5x5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	13	10	15
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	1	1	1
03.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	2	2	2
04.	<i>Phanera vahlii</i>	Fabaceae	3	-	3
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	10	17
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	3	3	3
07.	<i>Smilax zeylanica</i>	Smilacaceae	1	-	1
08.	<i>Dillenia aurea</i>	Dilleniaceae	1	1	1
09.	<i>Asparagus officinalis</i>	Asparagaceae	1	-	1
10.	<i>Spatholobus parviflorus</i>	Fabaceae	2	2	2
11.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	6	5	6
12.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	2	-	2
13.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	6	2	5

Layer 4ES3: Shrub (5x5 m) [22°42'49.172" N; 86°34'05.167" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5x5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	16	12	16
02.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	3	1	3
03.	<i>Marsdenia tenacissima</i> (Jiti)	Apocynaceae	3	3	3
04.	<i>Phanera vahlii</i>	Fabaceae	2	-	2
05.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	11	10	14
06.	<i>Careya arborea</i> (Asta)	Lecythidaceae	2	2	2
07.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	8	18
08.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	2	2

09.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	3	3	3
10.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	1	1	1
11.	<i>Spatholobus parviflorus</i>	Fabaceae	3	3	3
12.	<i>Ougeinia oojeinensis</i> (Panjan)	Fabaceae	2	-	2
13.	<i>Ehretia acuminata</i>	Boraginaceae	1	-	2

Layer 4ES4: Shrub (5×5 m) [22°42'48.881" N; 86°34'05.751" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Ougeinia oojeinensis</i> (Panjan)	Fabaceae	2	2	2
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	12	8	12
03.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	3	-	3
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	2	2
05.	<i>Smilax zeylanica</i>	Smilacaceae	5	-	6
06.	<i>Aristolochia indica</i> (Isharmul)	Apocynaceae	2	2	2
07.	<i>Grewia hirsute</i>	Malvaceae	1	-	1
08.	<i>Asparagus officinalis</i>	Asparagaceae	2	-	3
09.	<i>Helicteres isora</i> (Gamochra)	Malvaceae	3	3	3
10.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	1	1	1
11.	<i>Dillenia aurea</i>	Dilleniaceae	1	1	1
12.	<i>Ziziphus oenopolia</i>	Rhamnaceae	4	2	4
13.	<i>Rivea hypocrateriformis</i> (Kindupata)	Convolvulaceae	1	1	1
14.	<i>Marsdenia tenacissima</i> (Jiti)	Apocynaceae	2	-	2

Layer 4EH1: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	8	4	9
02.	<i>Ougeinia oojeinensis</i> (Panjan)	Fabaceae	1	1	1
03.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	1	-	1
04.	<i>Lepidagathis incurve</i>	Acanthaceae	3	1	3
05.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	5	3	6
06.	<i>Leucas angularis</i>	Lamiaceae	3	-	3

Layer 4EH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	15	12	16
02.	<i>Leucas angularis</i>	Lamiaceae	5	3	5
03.	<i>Phyllanthus emblica</i> (Amlaki)	Phyllanthaceae	1	1	1
04.	<i>Smilax zeylanica</i>	Smilacaceae	3	3	3
05.	<i>Rivea hypocrateriformis</i> (Kindupata)	Convolvulaceae	1	-	1

Layer 4EH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Murdannia edulis</i> (Sia Mushli)	Commelinaceae	3	3	3
02.	<i>Eulaliopsis binate</i>	Poaceae	6	5	6
03.	<i>Cyperus niveus</i>	Cyperaceae	2	-	2
04.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	7	14
05.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	1	-	1

Layer 4EH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	5	3	5
02.	<i>Asparagus officinalis</i>	Asparagaceae	1	-	1
03.	<i>Aristolochia indica</i> (Isharmul)	Aristolochiaceae	2	2	4
04.	<i>Curculigo orchioides</i>	Hypoxidaceae	7	2	8

Layer 4EH5: (Middle)Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Eulaliopsis binate</i>	Poaceae	4	3	3
02.	<i>Cyperus niveus</i>	Cyperaceae	3	2	3
03.	<i>Byttneria herbacea</i> (Kambraj)	Malvaceae	1	1	1
04.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	2	12
05.	<i>Asparagus officinalis</i>	Asparagaceae	2	-	3
06.	<i>Curculigo orchioides</i>	Hypoxidaceae	2	1	2

Field Data Sheet-5A

Grid No.: 5

Name of the site: Mayurjharna

Plot no.: 5A

Slope angle:

Layer 5A: Tree (20×20 m)

Latitude: 22°43'13.187" N

Longitude: 86°35'29.596" E

Altitude: 791ft

Aspect:

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
1.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	59	14
2.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	71	15
3.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	101	14
4.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	67	15
5.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	43	11
6.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	5
7.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	4
8.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	34	10
9.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	64	15
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	8
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	72	12
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	3
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	66	13
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	74	11
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	30	10
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	52	10
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	56	12
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	70	17
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	77	15
20.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	69	12
21.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	45	9
22.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	23	9
23.	<i>Terminalia alata</i> (Asan)	Combretaceae	42	12
24.	<i>Terminalia alata</i> (Asan)	Combretaceae	41	12
25.	<i>Terminalia alata</i> (Asan)	Combretaceae	32	9
26.	<i>Terminalia alata</i> (Asan)	Combretaceae	17	3
27.	<i>Terminalia alata</i> (Asan)	Combretaceae	40	11
28.	<i>Terminalia alata</i> (Asan)	Combretaceae	39	10
29.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	84	16
30.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	18	5
31.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	5	1.50
32.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	17	4
33.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	40	8
34.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	23	6
35.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	20	4
36.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	52	9
37.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	17	3
38.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	52	8
40.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	14	3
41.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	57	14
42.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	39	10

43.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	60	13
44.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	53	10
45.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	31	6
46.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	35	9
47.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	13	2
48.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	68	16
49.	<i>Spathodea companulata</i> (Rudrapalash)	Fabaceae	9	2

Layer 5AS1: Shrub (5x5 m) [22°43'12.859" N; 86°35'29.942" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5x5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	1	1	1
02.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	14	14	20
03.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	2	1	2
04.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	4	2	4
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	58	50	66
06.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	6	4	6
07.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	2	2	2
08.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	1	-	1
09.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	4	4	4
10.	<i>Asparagus officinalis</i>	Asparagaceae	1	-	1
11.	<i>Ehretia sp</i>	Boraginaceae	1	1	2

Layer 5AS2: Shrub (5x5 m) [22°43'13.479" N; 86°35'29.871" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5x5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	17	15	20
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	4	4	4
03.	<i>Hemidesmus indicus</i>	Apocynaceae	1	1	1
04.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	4	4	5
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	32	29	33
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	3	3	3
07.	<i>Smilax zeylanica</i>	Smilacaceae	1	-	1
08.	<i>Phoenix loureiroi</i>	Arecaceae	5	5	5
09.	<i>Luffa aegyptiaca</i> (Purul)	Cucurbitaceae	4	4	5
10.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	6	6	6
11.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	1	1	1
12.	<i>Asparagus officinalis</i>	Asparagaceae	2	-	2
13.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	1	1	2

Layer 5AS3: Shrub (5x5 m) [22°43'12.410" N; 86°35'29.729" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5x5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	27	27	32

02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	3	3	3
03.	<i>Hemidesmus indicus</i>	Apocynaceae	2	2	2
04.	<i>Terminalia alata</i> (Asan)	Combretaceae	1	1	1
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	14	20
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	2	2
07.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	4	2	4
08.	<i>Phoenix loureiroi</i>	Arecaceae	5	5	5
09.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	11	11	15
10.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	4	3	4

Layer 5AS4: Shrub (5×5 m) [22°43'13.303" N; 86°35'29.184" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	13	13	15
02.	<i>Asparagus officinalis</i>	Asparagaceae	2	-	2
03.	<i>Hemidesmus indicus</i>	Apocynaceae	1	1	1
04.	<i>Terminalia alata</i> (Asan)	Combretaceae	1	1	2
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	10	15
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	3	3	3
07.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	2	-	2
08.	<i>Phoenix loureiroi</i>	Arecaceae	2	2	3
09.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	-	1
10.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	9	9	9
11.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	3	3	3
12.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	3	-	3
13.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	7	7	9

Layer 5AH1: Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyperus niveus</i>	Cyperaceae	1	1	1
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	18	22
03.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	2	2	2
04.	<i>Chromolaena odorata</i> (Bagh dhoka) (<i>Eupatorium</i> sp.)	Asteraceae	1	-	1
05.	Nilkantho	Fabaceae	3	2	4

Layer 5AH2: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Byttneria herbacea</i> (Kambraj)	Malvaceae	1	1	1
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	4	4	5
03.	<i>Cyperus niveus</i>	Cyperaceae	1	-	1

04.	<i>Lepidagathis incurva</i>	Acanthaceae	1	1	2
05.	Nilkantho	Fabaceae	3	2	3

Layer 5AH3: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyperus niveus</i>	Cyperaceae	2	2	2
02.	<i>Eulaliopsis binate</i>	Poaceae	1	1	1
03.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	4	4	4
04.	<i>Lepidagathis incurva</i>	Acanthaceae	3	3	3
05.	<i>Albizia procera</i> (Sada shirish)	Fabaceae	1	-	1
06.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	6	6	10
07.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	2	3
08.	Nilkantho	Fabaceae	5	2	5

Layer 5AH4: Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Byttneria herbacea</i> (Kambraj)	Malvaceae	1	1	1
02.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	5	5	5
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	6	6	8
04.	<i>Lepidagathis incurva</i>	Acanthaceae	3	3	4
05.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	1	-	1
06.	Nilkantho	Fabaceae	5	5	7

Layer 5AH5: (Middle)Herb(1×1m)

SL.NO.	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	5	5	6
02.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	4	2	4
03.	<i>Asparagus officinalis</i>	Asparagaceae	1	-	1
04.	<i>Hybanthus enneaspermus</i> (Nunbora)	Violaceae	1	1	1
05.	<i>Eulaliopsis binate</i>	Poaceae	1	-	1

Field Data Sheet-5B

Grid No.: 5

Name of the site: Mayurjharna

Plot no.: 5B

Slope angle:

Layer 5B: Tree (20×20 m)

Latitude: 22°43'13.476" N

Longitude: 86°35'27.867" E

Altitude: 792ft

Aspect:

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
1.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	43	10
2.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	37	5
3.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	3.50
4.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	44	12
5.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	51	14
6.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	59	12
7.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	55	13
8.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	50	13
9.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	48	14
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	7
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	52	14
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	29	9
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	6
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	43	11
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	5
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	31	9
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	4
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	9
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	51	14
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	2
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	21	9
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	38	11
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	6
24.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3
25.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	9
26.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	4
27.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	69	17
28.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	5
29.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	3
30.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	43	13
31.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	5
32.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	17	6
33.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	30	4
34.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	2.50
35.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	18	6
36.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	10	3
37.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	16	3
38.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	17	4
39.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	27	8
40.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	17	4
41.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	27	4

42.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	12	3
43.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	14	3
44.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	38	9
45.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	65	8
46.	<i>Terminalia alata</i> (Asan)	Combretaceae	56	10
47.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	20	6
48.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	119	18
49.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	15	4
50.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	12	4
51.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	16	5
52.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	22	8
53.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	18	6
54.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	13	5
55.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	19	4
56.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	26	6
57.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	66	14
58.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	30	8
59.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	22	6
60.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	18	3
61.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	17	4
62.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	8	1.50
63.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	13	3
64.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	11	3
65.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	17	2.50
66.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	9	2
67.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	70	12
68.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	22	3
69.	<i>Casearia tomentosa</i> (Churchumann)	Salicaceae	10	3

Layer 5BS1: Shrub (5×5 m) [22°43'13.029" N; 86°35'27.526" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	7	7	9
02.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	1	1	1
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	7	5	7
04.	<i>Terminalia alata</i> (Asan)	Combretaceae	1	1	1
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	9	13
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	2	2
07.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	1	1	2
08.	<i>Phoenix loureiroi</i>	Arecaceae	1	1	1
09.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	-	1
10.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	12	12	14
11.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	2	-	2
12.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	1	1	1
13.	<i>Aristolochia indica</i> (Isharmul)	Aristolochiaceae	1	1	1

Layer 5BS2: Shrub (5×5 m) [22°43'13.755" N; 86°35'27.540" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	72	52	80
02.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	9	9	12
03.	<i>Asparagus officinalis</i>	Asparagaceae	1	-	1
04.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	1	-	1
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	11	16
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	4	4	4
07.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	1	1	1
08.	<i>Phoenix loureiroi</i>	Arecaceae	12	12	15
09.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	-	1
10.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	13	13	15

Layer 5BS3: Shrub (5×5 m) [22°43'13.324" N; 86°35'28.994" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Aristolochia indica</i> (Isharmul)	Aristolochiaceae	2	2	2
02.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	39	35	40
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	3	3	4
04.	<i>Terminalia alata</i> (Asan)	Combretaceae	3	3	4
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	15	20
06.	<i>Miliusa velutina</i>	Annonaceae	1	1	1
07.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	2	2	2
08.	<i>Casearia tomentosa</i> (Churchumann)	Salicaceae	1	-	1
09.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	2	2	2
10.	<i>Asparagus officinalis</i>	Asparagaceae	2	-	2
11.	<i>Tamilnadia uliginosa</i> (Pindra)	Rubiaceae	5	5	6

Layer 5BS4: Shrub (5×5 m) [22°43'13.547" N; 86°35'27.352" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Miliusa velutina</i>	Annonaceae	1	1	1
02.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	2	2	2
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	3	3	3
04.	<i>Helicteres isora</i> (Gamochra)	Malvaceae	1	1	1
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	9	10
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	1	1	1
07.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	1	2
08.	<i>Casearia tomentosa</i> (Churchumann)	Salicaceae	3	2	3
09.	<i>Holarrhena pubescens</i> (Kurchi)	Apocynaceae	1	-	1
10.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	6	6	8
11.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	6	5	6
12.	<i>Ougeinia oojeinensis</i> (Panjan)	Fabaceae	1	1	1

Layer 5BH1: Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	6	6	6
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	2	2	4
03.	<i>Lepidagathis incurva</i>	Acanthaceae	1	1	1
04.	<i>Asparagus officinalis</i>	Asparagaceae	2	-	2
05.	<i>Cyperus niveus</i>	Cyperaceae	1	1	2
06.	<i>Pteridium sp</i>	Dennstaedtiaceae	2	2	2
07.	Nilkantha	Fabaceae	1	-	1

Layer 5BH2: Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	3	3	3
02.	<i>Lepidagathis incurva</i>	Acanthaceae	1	1	1
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	1	1	2
04.	Nilkantha	Fabaceae	1	-	1
05.	<i>Orthosiphon thymiflorus</i> (Bhulikari)	Lamiaceae	2	2	2
06.	<i>Leucas angularis</i>	Lamiaceae	3	2	3

Layer 5BH3: Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	4	4	4
02.	<i>Lepidagathis incurva</i>	Acanthaceae	1	-	1
03.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	1	1	1
04.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	3	-	3
05.	Nilkantho	Fabaceae	2	2	3

Layer 5BH4: Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	1	-	1
02.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	4	4	4
03.	<i>Pteridium sp</i>	Dennstaedtiaceae	1	-	1
04.	<i>Lepidagathis incurva</i>	Acanthaceae	1	1	1
05.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	3	1	3

Layer 5BH5: (Middle)Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	4	-	4
02.	<i>Cyperus niveus</i>	Cyperaceae	1	1	1
03.	<i>Lepidagathis incurva</i>	Acanthaceae	1	1	3
04.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	2	2	2
05.	<i>Hemidesmus indicus</i>	Apocynaceae	1	1	3
06.	Nilkantha	Fabaceae	4	3	4

Field Data Sheet-5C

Grid No.: 5

Name of the site: Mayurjharna

Plot no.: 5C

Slope angle:

Layer 5C: Tree (20×20 m)

Latitude: 22°43'12.160" N

Longitude: 86°35'27.061" E

Altitude: 760ft

Aspect:

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
1.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	96	10
2.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	56	11
3.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	72	12
4.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	2
5.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	31	9
6.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	8
7.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	4.50
8.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	3
9.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	6
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	4
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	25	6
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	52	8
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	34	10
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	56	12
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	50	14
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	28	9
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	5
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	46	10
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	54	11
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	47	9
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	10
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	52	11
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	46	11
24.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	42	11
25.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	2
26.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	7
27.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	48	10
28.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	72	13
29.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	27	9
30.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	41	11
31.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	21	8
32.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	4
33.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	61	15
34.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	5
35.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	4
36.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	54	12
37.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3
38.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	21	8
39.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	22	8
40.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	53	11
41.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	17	2.50

42.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	14	4.50
43.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	36	9
44.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	7	1.50
45.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	11	2
46.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	16	4
47.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	11	3
48.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	17	5
49.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	16	5
50.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	16	4
51.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	17	4
52.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	11	1.50
53.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	15	3
54.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	68	14
55.	<i>Terminalia alata</i> (Asan)	Combretaceae	10	2.50
56.	<i>Terminalia alata</i> (Asan)	Combretaceae	44	10
57.	<i>Terminalia alata</i> (Asan)	Combretaceae	24	5
58.	<i>Terminalia alata</i> (Asan)	Combretaceae	53	10
59.	<i>Terminalia alata</i> (Asan)	Combretaceae	31	8
60.	<i>Terminalia alata</i> (Asan)	Combretaceae	37	10
61.	<i>Terminalia alata</i> (Asan)	Combretaceae	31	9
62.	<i>Terminalia alata</i> (Asan)	Combretaceae	35	8
63.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	12	3
64.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	10	1.50
65.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	20	3
66.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	12	1.50
67.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	31	9
68.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	13	2
69.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	71	11
70.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	13	2.50
71.	<i>Milium velutina</i> (Chanpati)	Annonaceae	13	3.50
72.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	23	4
73.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	32	4
74.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	28	6
75.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	13	2
76.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	20	5
77.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	22	5
78.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	24	2
79.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	11	3
80.	<i>Lanea coromandelica</i> (Jiyol)	Anacardiaceae	53	11
81.	<i>Terminalia bellirica</i> (Bahera)	Combretaceae	9	2

Layer 5CS1: Shrub (5x5 m) [22°43'12.332" N; 86°35'27.402" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5x5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	25	20	28
02.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	1	1	1
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	6	6	6
04.	<i>Terminalia alata</i> (Asan)	Combretaceae	2	2	2

05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	41	32	45
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	1	1	1
07.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	2	2
08.	<i>Phoenix loureiroi</i>	Arecaceae	1	1	1
09.	<i>Cissus repanda</i> (Panilata)	Vitaceae	2	-	2
10.	<i>Dioscorea villosa</i>	Dioscoreaceae	1	1	1
11.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	2	2	2
12.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	3	3	3
13.	<i>Aristolochia indica</i> (Isharmul)	Aristolochiaceae	1	1	1
14.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	1	-	1
15.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	4	4	5

Layer 5CS2: Shrub (5×5 m) [22°43'12.480" N; 86°35'26.734" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	20	15	22
02.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	1	1	1
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	12	12	15
04.	<i>Terminalia alata</i> (Asan)	Combretaceae	4	4	4
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	35	29	39
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	6	6	8
07.	<i>Smilax zeylanica</i>	Smilacaceae	1	-	1
08.	<i>Phoenix loureiroi</i>	Arecaceae	43	33	45
09.	<i>Holarrhena pubescens</i>	Apocynaceae	2	2	2
10.	<i>Soyimida febrifuga</i> (Raktaraheda)	Meliaceae	5	5	5
11.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	4	2	4
12.	<i>Terminalia bellirica</i> (Bahera)	Combretaceae	2	2	2
13.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	2	-	2

Layer 5CS3: Shrub (5×5 m) [22°43'11.907" N; 86°35'26.845" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	43	40	48
02.	<i>Holarrhena pubescens</i>	Apocynaceae	2	2	2
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	6	6	9
04.	<i>Terminalia alata</i> (Asan)	Combretaceae	2	2	2
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	12	17
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	2	2
07.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	4	4	5
08.	<i>Phoenix loureiroi</i>	Arecaceae	10	8	10
09.	<i>Cissus repanda</i> (Panilata)	Vitaceae	7	7	7
10.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	3	1	3
11.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	4	3	4
12.	<i>Coccinia grandis</i> (Ban kundri)	Cucurbitaceae	1	1	1
13.	<i>Albizia procera</i> (Sada shirish)	Fabaceae	1	-	1
14.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	2	-	2

15.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	1	1	1
16.	<i>Soyimida febrifuga</i> (Raktaraheda)	Meliaceae	5	5	5
17.	<i>Asparagus officinalis</i>	Asparagaceae	2	-	2

Layer 5CS4: Shrub (5×5 m) [22°43'11.936" N; 86°35'27.727" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	13	12	15
02.	<i>Catunaregam spinosa</i>	Rubiaceae	7	5	7
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	9	5	9
04.	<i>Terminalia alata</i> (Asan)	Combretaceae	3	3	5
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	5	10
06.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	3	3	5
07.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	3	3	5
08.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	2	-	2
09.	<i>Smilax zeylanica</i>	Smilacaceae	2	-	2

Layer 5CH1: Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	1	1	1
02.	<i>Lepidagathis incurva</i>	Acanthaceae	1	1	1
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	4	4	5
04.	<i>Cyperus niveus</i>	Cyperaceae	1	-	1
05.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	1	1	2
06.	Nilkantho	Fabaceae	3	2	3

Layer 5CH2: Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	4	4	4
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	2	2	3
03.	<i>Lepidagathis incurva</i>	Acanthaceae	2	2	3
04.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	1	1	3
05.	Nilkantha	Fabaceae	1	-	1

Layer 5CH3: Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	6	4	6
02.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	1	-	1
03.	<i>Cissus repanda</i> (Panilata)	Vitaceae	1	-	1
04.	<i>Tamilnadia uliginosa</i> (Pindra)	Rubiaceae	3	1	4

Layer 5CH4: Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	5	5	5
02.	<i>Cyperus niveus</i>	Cyperaceae	4	4	5
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	5	5	5
04.	<i>Lepidagathis incurve</i>	Acanthaceae	2	2	2
05.	<i>Tamilnadia uliginosa</i> (Pindra)	Rubiaceae	2	1	2
06.	<i>Anisomeles sp</i>	Lamiaceae	3	1	3
07.	Nilkantho	Fabaceae	2	2	3

Layer 5CH5: (Middle)Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	3	3	3
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	6	6	8
03.	<i>Lepidagathis incurva</i>	Acanthaceae	2	2	3
04.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	1	1	1
05.	Nilkantha	Fabaceae	1	-	1

Field Data Sheet-5D

Grid No.: 5

Name of the site: Mayurjharna

Plot no.: 5D

Slope angle:

Layer 5D: Tree (20×20 m)

Latitude: 22°43'12.510" N

Longitude: 86°35'25.046" E

Altitude: 792ft

Aspect:

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
1.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	31	9
2.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	1.50
3.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	4
4.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	4
5.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	31	5
6.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	20	9
7.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	47	11
8.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	28	9
9.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	42	10
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	48	12
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	51	10
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	3
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	29	8
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	43	14
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	66	15
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	22	4
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	54	8
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	51	10
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	40	10
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	3
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	50	10
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	75	14
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	26	9
24.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	23	8
25.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	4
26.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	31	9
27.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	5
28.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	4
29.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	3.50
30.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	5
31.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	8
32.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	4
33.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	3
34.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	2
35.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	59	14
36.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	6
37.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	9
38.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	80	16
39.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	4
40.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	60	15
41.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	28	8

42.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	42	12
43.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	26	3
44.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	11	2
45.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	29	8
46.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	22	6
47.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	28	3
48.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	16	2
49.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	19	7
50.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	20	2
51.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	2
52.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	18	3
53.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	4
54.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	13	3
55.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	3
56.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	14	3
57.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	9	2
58.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	14	3
59.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	9	2
60.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	16	3.50
61.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	18	6
62.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	15	5
63.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	30	9
64.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	58	14
65.	<i>Terminalia alata</i> (Asan)	Combretaceae	45	10
66.	<i>Terminalia alata</i> (Asan)	Combretaceae	43	12
67.	<i>Terminalia alata</i> (Asan)	Combretaceae	15	7
68.	<i>Terminalia alata</i> (Asan)	Combretaceae	36	6
69.	<i>Terminalia alata</i> (Asan)	Combretaceae	42	11
70.	<i>Terminalia alata</i> (Asan)	Combretaceae	33	10
71.	<i>Terminalia alata</i> (Asan)	Combretaceae	27	8
72.	<i>Terminalia alata</i> (Asan)	Combretaceae	21	8
73.	<i>Terminalia alata</i> (Asan)	Combretaceae	11	3
74.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	95	17
75.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	13	4
76.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	72	16
77.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	37	9
78.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	29	10
79.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	15	4
80.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	10	3
81.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	45	10
82.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	14	3
83.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	10	1.50
84.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	44	8
85.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	9	2.50
86.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	12	5
87.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	17	2.50
88.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	7	2
89.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	9	2
90.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	10	2.50
91.	<i>Ehretia acuminata</i> (Kulu aja)	Boraginaceae	40	10

Layer 5DS1: Shrub (5×5 m) [22°43'12.846" N; 86°35'25.527" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	9	5	10
02.	<i>Smilax zeylanica</i>	Smilacaceae	1	-	1
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	7	7	7
04.	<i>Spatholobous perviflorous</i>	Fabaceae	2	2	2
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	14	16
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	10	10	12
07.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	1	1	1
08.	<i>Asparagus officinalis</i>	Asparagaceae	1	-	1

Layer 5DS2: Shrub (5×5 m) [22°43'12.837" N; 86°35'24.604" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	54	50	60
02.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	36	30	40
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	7	7	10
04.	<i>Smilax zeylanica</i>	Smilacaceae	1	-	1
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	34	30	38
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	5	5	5
07.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	2	2
08.	<i>Hemidesmus indicus</i>	Apocynaceae	2	1	2
09.	<i>Phenera vahlii</i>	Fabaceae	1	-	1
10.	<i>Dioscorea villosa</i>	Dioscoreaceae	4	4	6
11.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	-	1

Layer 5DS3: Shrub (5×5 m) [22°43'11.181" N; 86°35'24.950" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Grewia hirsuta</i>	Malvaceae	1	1	1
02.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	3	3	5
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	16	12	18
04.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	6	5	6
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	30	25	33
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	5	5	5
07.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	4	4	5
08.	<i>Phoenix loureiroi</i>	Arecaceae	10	8	12
09.	<i>Cissus repanda</i> (Panilata)	Vitaceae	4	4	5
10.	<i>Dioscorea villosa</i>	Dioscoreaceae	1	-	1
11.	<i>Marsdenia tenacissima</i> (Jiti)	Apocynaceae	1	1	1
12.	<i>Asparagus officinalis</i>	Asparagaceae	1	-	1
13.	<i>Soymida febrifuga</i> (Raktaraheda)	Meliaceae	5	5	6
14.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	1	-	1
15.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	1	1	1
16.	<i>Glochidion ellipticum</i>	Phyllanthaceae	1	1	-

Layer 5DS4: Shrub (5×5 m) [22°43'12.277" N; 86°35'25.607" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	20	16	22
02.	<i>Catunaregam spinosa</i>	Rubiaceae	7	7	8
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	11	9	11
04.	<i>Terminalia alata</i> (Asan)	Combretaceae	2	2	2
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	9	11
06.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	1	1	1
07.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	5	5	6
08.	<i>Phoenix loureiroi</i>	Arecaceae	9	9	10
09.	<i>Cissus repanda</i> (Panilata)	Vitaceae	16	10	18
10.	<i>Asparagus officinalis</i>	Asparagaceae	1	-	1
11.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	3	3	3
12.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	2	2	2
13.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	4	2	4
14.	<i>Smilax zeylanica</i>	Smilacaceae	2	-	2
15.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	1	1	1
16.	<i>Hultholia mimosoides</i> (Kundrulota)	Fabaceae	2	2	3
17.	<i>Holarrhena pubescens</i>	Apocynaceae	1	-	1

Layer 5DH1: Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cissus repanda</i> (Panilata)	Vitaceae	7	7	8
02.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	1	-	1
03.	<i>Lepidagathis incurva</i>	Acanthaceae	2	-	2
04.	Nilkantha	Fabaceae	9	9	10
05.	<i>Leucas angularis</i>	Lamiaceae	3	3	5

Layer 5DH2: Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Lepidagathis incurva</i>	Acanthaceae	3	3	3
02.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	1	2
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	3	1	3
04.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	1	-	1
05.	Nilkantha	Fabaceae	1	-	1

Layer 5DH3: Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cissus repanda</i> (Panilata)	Vitaceae	7	7	8
02.	<i>Lepidagathis incurva</i>	Acanthaceae	6	6	8
03.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	1	-	1
04.	Nilkantho	Fabaceae	2	-	2
05.	<i>Tamilnadia uliginosa</i> (Pindra)	Rubiaceae	3	3	5

Layer 5DH4: Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	1	1	1
02.	<i>Cyperus niveus</i>	Cyperaceae	5	5	6
03.	<i>Rivea hypocrateriformis</i> (Kindupata)	Convolvulaceae	1	1	1
04.	<i>Lepidagathis incurva</i>	Acanthaceae	5	5	5
05.	<i>Tamilnadia uliginosa</i> (Pindra)	Rubiaceae	1	-	1
06.	<i>Asparagus officinalis</i>	Asparagaceae	1	-	1
07.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	1	1	2
08.	Nilkantha	Fabaceae	4	2	4

Layer 5DH5: (Middle)Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the sampling plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	4	2	4
02.	<i>Lepidagathis incurva</i>	Acanthaceae	2	-	2
03.	<i>Plumbago zeylanica</i> (Chita)	Plumbaginaceae	1	-	1
04.	<i>Orthosiphon thymiflorus</i> (Bhutikari)	Lamiaceae	2	2	3

Field Data Sheet-5E

Grid No.: 5

Name of the site: Mayurjharna

Plot no.: 5E

Slope angle:

Layer E: Tree (20×20 m)

Latitude: 22°43'11.123" N

Longitude: 86°35'24.265" E

Altitude: 738ft

Aspect:

Sl No.	Name/Code of species	Family	Girth (cm)	Height (m)
1.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	3
2.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	69	15
3.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	50	11
4.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	6
5.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	4
6.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	85	16
7.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	29	6
8.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	5
9.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3
10.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	6
11.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	63	15
12.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	36	9
13.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	12	4
14.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	4
15.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	3
16.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	2
17.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	14	3
18.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	3
19.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	11	3
20.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	2
21.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	58	12
22.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	42	11
23.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	47	10
24.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	4
25.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	4.50
26.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	4
27.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3
28.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	4
29.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	32	8
30.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	6	2
31.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	15	5
32.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	17	6.50
33.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	47	10
34.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	32	9
35.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	13	3.50
36.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	3
37.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	10	3
38.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	29	9
39.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	24	9
40.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	27	9
41.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	19	7

42.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	9	2
43.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	16	5
44.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	32	11
45.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	24	4
46.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	20	4
47.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	8	2
48.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	21	2
49.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	16	4
50.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	22	5
51.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	8	2
52.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	14	3.50
53.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	15	3
54.	<i>Croton persimilis</i> (Putula)	Euphorbiaceae	19	5
55.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	32	9
56.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	10	2.50
57.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	10	2.50
58.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	40	9
59.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	10	2
60.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	14	3
61.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	10	2
62.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	17	4
63.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	20	6
64.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	12	3
65.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	12	3.50
66.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	36	10
67.	<i>Terminalia alata</i> (Asan)	Combretaceae	26	6
68.	<i>Terminalia alata</i> (Asan)	Combretaceae	56	10
69.	<i>Terminalia alata</i> (Asan)	Combretaceae	39	12
70.	<i>Terminalia alata</i> (Asan)	Combretaceae	36	10
71.	<i>Terminalia alata</i> (Asan)	Combretaceae	24	3
72.	<i>Terminalia alata</i> (Asan)	Combretaceae	39	9
73.	<i>Terminalia alata</i> (Asan)	Combretaceae	57	12
74.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	16	2.50
75.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	30	8
76.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	35	9
77.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	18	6
78.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	31	9
79.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	75	18
80.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	50	10
81.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	16	3
82.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	41	8
83.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	67	14
84.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	28	8
85.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	36	10
86.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	42	9
87.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	19	4
88.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	8	2
89.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	10	2.50
90.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	11	2
91.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	55	12

92.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	16	3
93.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	9	3
94.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	10	3.50
95.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	11	3.50
96.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	10	3
97.	<i>Terminalia bellirica</i> (Bahera)	Combretaceae	49	11
98.	<i>Spathodea campanulata</i> (Rudrapalash)	Bignoniaceae	8	2

Layer 5ES1: Shrub (5x5 m) [22°43'11.395" N; 86°35'24.804" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5x5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	12	12	15
02.	<i>Catunaregam spinosa</i>	Rubiaceae	1	1	1
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	3	3	3
04.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	1	-	1
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	14	19
06.	<i>Marsdenia tenacissima</i> (Jiti)	Apocynaceae	2	2	2
07.	<i>Buchanania cochinchinensis</i> (Piyal)	Anacardiaceae	2	2	2
08.	<i>Phoenix loureiroi</i>	Arecaceae	10	6	10
09.	<i>Cissus repanda</i> (Panilata)	Vitaceae	10	9	10
10.	<i>Hemidesmus indicus</i>	Apocynaceae	2	-	2
11.	<i>Gardenia gummifera</i> (Vudru/Korhor)	Rubiaceae	2	-	2
12.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	1	-	1
13.	<i>Croton persimilis</i>	Euphobiaceae	1	-	1
14.	<i>Smilax zeylanica</i>	Smilacaceae	4	2	4
15.	<i>Phyllanthus emblica</i> (Amlaki)	Phyllanthaceae	2	-	2
16.	<i>Terminalia bellirica</i> (Bahera)	Combretaceae	22	15	25
17.	<i>Holarrhena pubescens</i>	Apocynaceae	1	-	1

Layer 5ES2: Shrub (5x5 m) [22°43'11.578" N; 86°35'24.368" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5x5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	37	35	38
02.	<i>Catunaregam spinosa</i>	Rubiaceae	8	8	9
03.	<i>Albizia procera</i>	Fabaceae	2	1	2
04.	<i>Dioscorea bulbifera</i>	Dioscoreaceae	10	10	12
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	12	22
06.	<i>Asparagus officinalis</i>	Asparagaceae	1	-	1
07.	<i>Anogeissus latifolia</i> (Dhau)	Combretaceae	2	2	2
08.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	-	2
09.	<i>Cissus repanda</i> (Panilata)	Vitaceae	3	2	3
10.	<i>Spatholobus parviflorus</i> (Bandolata)	Fabaceae	1	1	1
11.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	1	1	1
12.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	2	-	2
13.	<i>Croton persimilis</i>	Euphobiaceae	9	9	9
14.	<i>Spathodea campanulata</i>	Bignoniaceae	1	-	1

15.	<i>Madhuca longifolia</i> (Mohua)	Sapotaceae	1	1	2
16.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	3	3	4
17.	<i>Aristolochia indica</i> (Isharmul)	Aristolochiaceae	2	2	2
18.	<i>Phanera vahlii</i>	Fabaceae	1	1	1

Layer 5ES3: Shrub (5×5 m) [22°43'10.910" N; 86°35'24.077" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Diospyros melanoxylon</i> (Kendu)	Ebenaceae	7	7	9
02.	<i>Catunaregam spinosa</i>	Rubiaceae	6	5	6
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	4	4	5
04.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	4	4	5
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	71	55	76
06.	<i>Terminalia chebula</i> (Haritaki)	Combretaceae	1	-	1
07.	<i>Casearia tomentosa</i> (Churchuman)	Salicaceae	6	6	9
08.	<i>Phoenix loureiroi</i>	Arecaceae	33	30	36
09.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	2	2	2
10.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	2	2	2
11.	<i>Terminalia alata</i> (Asan)	Combretaceae	1	-	1
12.	<i>Holarrhena pubescens</i>	Apocynaceae	22	20	25
13.	<i>Terminalia bellirica</i> (Bahera)	Combretaceae	15	8	15

Layer 5ES4: Shrub (5×5 m) [22°43'10.790" N; 86°35'24.359" E]

SI No.	Name/Code of species	Family	No. of individual (s) in the sampling plot (5×5 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Asparagus officinalis</i>	Asparagaceae	2	-	2
02.	<i>Catunaregam spinosa</i>	Rubiaceae	8	4	8
03.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	9	9	12
04.	<i>Flacourtia indica</i> (Baichi)	Salicaceae	3	-	3
05.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	18	15	22
06.	<i>Semecarpus anacardium</i> (Velai)	Anacardiaceae	1	-	1
07.	<i>Terminalia alata</i> (Asan)	Combretaceae	6	5	6
08.	<i>Phoenix loureiroi</i>	Arecaceae	8	5	8
09.	<i>Hultholia mimosoides</i> (Kundrulota)	Fabaceae	3	3	5
10.	<i>Aristolochia indica</i> (Isharmul)	Aristolochiaceae	1	-	1
11.	<i>Grewia hirsuta</i>	Malvaceae	1	-	1
12.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	1	-	1
13.	<i>Croton persimilis</i>	Euphobiaceae	8	8	10
14.	<i>Smilax zeylanica</i>	Smilacaceae	1	-	1
15.	<i>Glochidion ellipticum</i> (Petari)	Phyllanthaceae	3	3	6
16.	<i>Ougeinia oojeinensis</i> (Panjan)	Fabaceae	1	-	1

Layer 5EH1: Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Leucas angularis</i>	Lamiaceae	2	2	2
02.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	1	-	1
03.	<i>Tamilnadia uliginosa</i> (Pindra)	Rubiaceae	1	-	1
04.	<i>Cyperus niveus</i>	Cyperaceae	4	4	5
05.	Nilkantho	Fabaceae	3	2	2

Layer 5EH2: Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Lepidagathis incurva</i>	Acanthaceae	1	1	1
02.	<i>Cleistanthus collinus</i> (Podasi)	Phyllanthaceae	1	1	1
03.	Nilkantha	Fabaceae	1	-	1

Layer 5EH3: Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	3	3	3
02.	<i>Lepidagathis incurva</i>	Acanthaceae	2	-	2
03.	Nilkantha	Fabaceae	2	2	2
04.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	2	-	2

Layer 5EH4: Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	7	7	10
02.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	3	3	5
03.	<i>Asparagus officinalis</i>	Asparagaceae	1	-	1
04.	<i>Lannea coromandelica</i> (Jiyol)	Anacardiaceae	1	1	-
05.	<i>Lepidagathis incurva</i>	Acanthaceae	5	4	5
06.	Nilkantha	Fabaceae	3	-	3

Layer 5EH5: (Middle) Herb(1×1m)

SL.No	Name/Code of species	Family	No. of individual (s) in the plot (1×1 m)		
			Winter	Pre-Monsoon	Post Monsoon
01.	<i>Cyanthillium cinereum</i> (Sahadebi)	Asteraceae	1	-	1
02.	<i>Byttneria hebeca</i>	Malvaceae	1	-	1
03.	<i>Cissus repanda</i> (Panilata)	Vitaceae	2	-	2
04.	<i>Shorea robusta</i> (Sal)	Dipterocarpaceae	7	7	7
05.	<i>Pterocarpus marsupium</i> (Piyasal)	Fabaceae	1	-	1
06.	<i>Cyperus niveus</i>	Cyperaceae	5	5	5
07.	<i>Terminalia bellirica</i> (Bahera)	Combretaceae	3	-	3

HERBARIUM INDEX OF KANKRAJHORE MPCA

List of Herbarium documented during Premonsoon and Post monsoon floral inventorization of Kankrajhore MPCA

Sl.no.	Tag no.	Vernacular name	Plant scientific Name	Family
1.	MPCAJU313	Anantamul	<i>Hemidesmus indicus</i>	Asclepiadaceae
2.	MPCAJU359	Bamanhati	<i>Clerodendrum indicum</i>	Verbenaceae
3.	MPCAJU361	Ban Halud	<i>Curcuma aromatica</i>	Zingiberaceae
4.	MPCAJU329	Ban Kapas	<i>Azanza lampas</i>	Malvaceae
5.	MPCAJU366	Ban Kurti	<i>Cajanus scarabaeoides</i>	Fabaceae
6.	MPCAJU328	Ban Piyaz	<i>Iphigenia indica</i>	Colchicaceae
7.	MPCAJU330	Ban Somraj	<i>Baccharoides anthelmintica</i>	Asteraceae
8.	MPCAJU338	BhuiKumra	<i>Ipomea mauritiana</i>	Convolvulaceae
9.	MPCAJU367	Bisalanguli	<i>Gloriosa superba</i>	Colchicaceae
10.	MPCAJU339	Buno Ole	<i>Amorphophallus sylvaticus</i>	Araceae
11.	MPCAJU301	Chihurlata	<i>Bauhinia vahlii</i>	Caesalpiniaceae
12.	MPCAJU347	Churka Alu	<i>Dioscorea pentaphylla</i>	Dioscoreaceae
13.	MPCAJU309	Diku Sindur	<i>Byttneria herbacea</i>	Sterculiaceae
14.	MPCAJU319	Dudhi Lata	<i>Ichnocarpus frutescens</i>	Apocynaceae
15.	MPCAJU305	Durga jhapi	<i>Lygodium flexuosum</i>	Schizaeaceae
16.	MPCAJU323	Gurman	<i>Ceriscoides turgida</i>	Rubiaceae
17.	MPCAJU357	Iswarmul	<i>Aristolochia indica</i>	Aristolochiaceae
18.	MPCAJU309	Kamraj	<i>Byttneria herbacea</i>	Malvaceae
19.	MPCAJU314	Kelikadam	<i>Mitragyna parviflora</i>	Rubiaceae
20.	MPCAJU344	Kalmegh	<i>Andrographis paniculata</i>	Acanthaceae
21.	MPCAJU335	Khudi Koror	<i>Catunaregam spinosa</i>	Rubiaceae
22.	MPCAJU325	Kujuri	<i>Celastrus paniculatus</i>	Celastraceae
23.	MPCAJU333	Kundru	<i>Coccinia grandis</i>	Cucurbitaceae
24.	MPCAJU342	Kurchi	<i>Holarrhena pubescens</i>	Apocynaceae
25.	MPCAJU368	MahadevJata	<i>Uraria lagopodoides</i>	Fabaceae
26.	MPCAJU308	MaranJiban	<i>Dregea volubilis</i>	Apocynaceae
27.	MPCAJU310	Mayna kanta	<i>Meyna laxiflora</i>	Polygalaceae
28.	MPCAJU333	MayurJhuti	<i>Elephantopus scaber</i>	Asteraceae
29.	MPCAJU315	Nilkanta	<i>Polygala crotalarioides</i>	Polygalaceae
30.	MPCAJU326	PaniaLata	<i>Cissus repanda</i>	Vitaceae
31.	MPCAJU341	Petari	<i>Glochidion ellipticum</i>	Phyllanthaceae
32.	MPCAJU324	Photka	<i>Antidesma ghaesembilla</i>	Phyllanthaceae
33.	MPCAJU316	Putla	<i>Croton persimilis</i>	Euphorbiaceae
34.	MPCAJU304	Ramdatan	<i>Smilax ovalifolia</i>	Smilacaceae
35.	MPCAJU332	SafedMusli	<i>Chlorophytum arundinaceum</i>	Liliaceae
36.	MPCAJU302	Satamul	<i>Asparagus racemosus</i>	Asparagaceae
37.	MPCAJU303	Seuli	<i>Nyctanthes arbor-tristis</i>	Oleaceae
38.	MPCAJU340	Sitapatra	<i>Cordia macleodii</i>	Boraginaceae
39.	MPCAJU336	Sukripota	<i>Salvia plebeia</i>	Lamiaceae
40.	MPCAJU345	Suramatha	<i>Antidesma acidum</i>	Euphorbiaceae
41.	MPCAJU307	Talmuli	<i>Curculigo orchioides</i>	Hypoxidaceae
42.	MPCAJU312	Uchunti	<i>Ageratum conyzoides</i>	Asteraceae

List of Herbarium documented during Winter floral inventorization of Kankrajhore MPCA

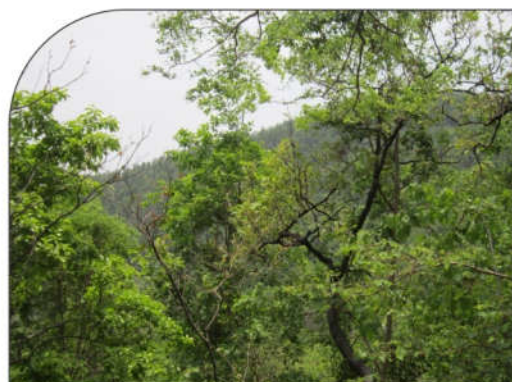
Sl.no.	Tag no.	Plant scientific Name	Common name/Local Name/ Vernacular name	Family
01.	MPCAVU315	<i>Vitex peduncularis</i>		Lamiaceae
02.	MPCAVU317	<i>Viscum articulatum</i>		Santalaceae
03.	MPCAVU316	<i>Wendlandia heynei</i>	Tilai	Rubiaceae
04.	MPCAVU314	<i>Viscum album</i>		Santalaceae
05.	MPCAVU310	<i>Erycibe paniculata.</i>	Karilata	Convolvulaceae
06.	MPCAVU302	<i>Tamilnadia uliginosa</i>		Rubiaceae
07.	MPCAVU309	<i>Gardenia resinifera</i>	Vudru/Korhor	Rubiaceae
08.	MPCAVU307	<i>Cleistanthus collinus</i>	Podasi	Phyllanthaceae
09.	MPCAVU304	<i>Croton persimilis</i>	Putula	Euphorbiaceae
10.	MPCAVU313	<i>Cyanthillium cinereum</i>	Kuksima	Asteraceae
11.	MPCAVU311	<i>Orthosiphon thymiflorus</i>	Shukripota	Lamiaceae
12.	MPCAVU312	<i>Crotalaria albida</i>	Ban methi	Fabaceae
13.	MPCAVU306	<i>Glochidion ellipticum</i>	Petari	Phyllanthaceae
14.	MPCAVU308	<i>Lagerstroemia parviflora</i>	Sidha	Lythraceae
15.	MPCAVU303	<i>Holarrhena pubescens</i>	Kurchi	Apocynaceae
16.	MPCAVU305	<i>Indigofera heterantha</i>	Jirulphul	Fabaceae
17.	MPCAVU301	<i>Buchanania cochinchinensis</i>	Piyal	Anacardiaceae
18.	MPCAVU318	<i>Ehretia acuminata</i>	Merui	Boraginaceae

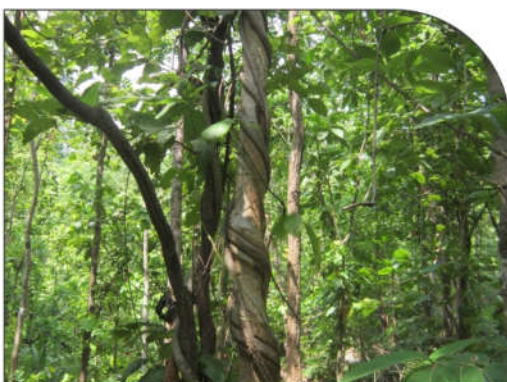
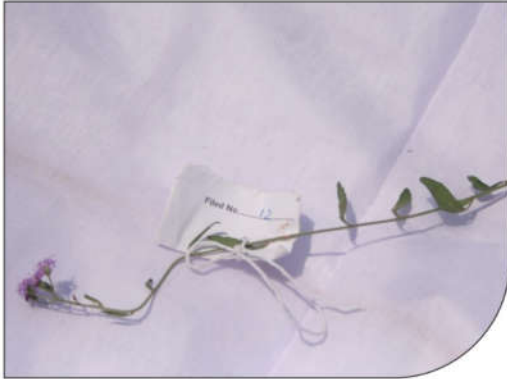
Representative Photographs of Kankrajhore MPCA
Photographs of PreMonsoon









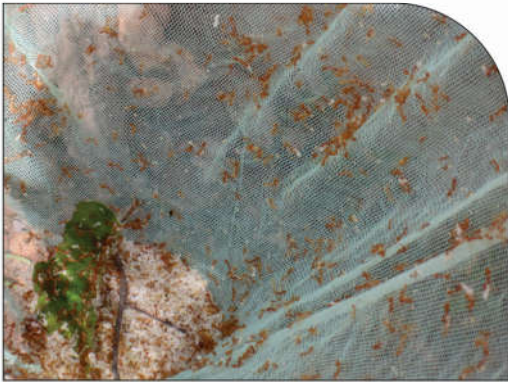






Photographs of Post Monsoon







Photographs of Winter Season



Orthosiphon thymiflorus (Bhutikari)



Glochidion ellipticum



Wendlandia heynei



Viscum album



Erycibe paniculata



Tamilnadia uliginosa (Pindra)



Lagerstroemia parviflora



Cleistanthus collinus



Unknown



Ehretia acuminata



Indigofera heterantha (Himalayan Indigo)



Gardenia resinifera



Cyanthillium cinereum (Sahadebi)



Croton persimilis



Holarrhena pubescens



Buchanania cochinchinensis



Vitex peduncularis



Viscum articulatum



Crotalaria albida (Saralpata Banmethi)



A. *Casearia tomentosa* (Churchuman), B. *Leucas angularis*, C. *Polygala crotalarioides* (Nelkantha), D. *Blumea flava*, E. *Canscora diffusa* (Burrurria), F. *Terminalia chebula*, G. *Asparagus officinalis*, H. *Eulophia explanata*, I. *Chlorophytum tuberosum*, J. *Holarrhena pubescens*, K. *Aristolochia indica* (Isharmul), L. Group photograph during data collection, M. *Phoenix loureiroi*, N. *Murdannia edulis* (Sia Mushli)



A. Plant height measurement by Abney level, B. 5m×5m quadrat study, C. 20m×20m quadrat study, D. Group photograph during data collection, E. Data collected and recorded, F. *Vanda roxburghii*, G. *Pentanema indicum* Syn. *Vicoa indica* (Katiapur), H. Plant girth measurement, I. *Glochidion ellipticum*, J. *Indigofera cassioides*, K. *Wendlandia heynei*, L. 5m×5m quadrat

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Annexure-I: List of Medicinal Plant Species Inventorized with their Ayurvedic uses

Sl. No.	Local Name & Nos. ¹	Scientific Name & Voucher No.	Family	Habit	Parts Used and Uses	Ayurvedic uses
1.	Amloki 54	<i>Emblica officinalis</i> Gaertn. MPCAJU306	Phyllanthaceae	Medium Sized Tree	Fruits: Constipation and dyspepsia	Used against diarrhea, myalgia, dyspepsia, dysentery, stomachic, laxative, peptic ulcers, hyperacidity, hepatic disorder (Sharma <i>et al.</i> , 2001)
2.	Anantamul 151	<i>Hemidesmus indicus</i> R. Br. MPCAJU313	Asclepiadaceae	Prostrate Shrub	Root: Valuable remedy for constitutional kidney troubles, production of breast milk	Used for urinary and haemopoetic system, fever, leprosy, cough, arthritis, kidney problems, dyspnoea, menstrual and vaginal disorders, skin disorder, syphilis (Pakrashi & Mukhopadhyay, 2001)
3.	Atmora 37	<i>Helicteres isora</i> (Gamochra) Linn. MPCAJU311	Sterculiaceae	Shrub or small tree	Leaves: Juice applied on cuts and wounds as antiseptic Bark: To treat diarrhea, dysentery Fruits: To promote production sperm semen	Used to treat diarrhea, dysentery, diabetes mellitus, abdominal colic (Pakrashi & Mukhopadhyay, 2001)
4.	Baichi 100	<i>Flacourtia indica</i> (Burm.f.) Merr. MPCAJU314	Salicaceae	Small tree or large Shrub	Fruits: Used in jaundice Bark: Used in intermittent fever Root: Used to treat bone fracture	Used to treat jaundice, enlarged spleen, diuretic, promote digestive functions (Pakrashi & Mukhopadhyay, 2001)
5.	Ban Kapas 29	<i>Azanza lampas</i> (Cav.) Alef. MPCAJU329	Malvaceae	Large Shrub	Roots & Fruits: To cure sexual disease Roots: Used to improve production of breast milk	Use to increase breast milk, to treat leucorrhoea, amenorrhoea, blood dysentery, in orchitis (Pakrashi & Mukhopadhyay, 2001)
6.	Ban ol 56	<i>Amorphophallus sylvaticus</i> (Roxb.) Kunth MPCAJU339	Araceae	Herb	Corm: Used to treat bone fracture and ear ache	Used against parasites (krimi), skin disorders, enlarged spleen, blood dysentery, pyrexia, piles, rheumatic diseases (Pakrashi & Mukhopadhyay, 2001)
7.	Ban piyaj 60	<i>Iphigenia indica</i> (L.) A.Gray ex. Kunth. MPCAJU328	Colchicaceae	Herb	Bulb: Used to treat Asthma and Bronchitis	Used to treat fractures, purifies the throat, increases bile and blood, improve vitality & complexion. (Singh, 2007).

¹ Total No. of Species enumerated during inventorization

8.	Ban Somraj 1	<i>Vernonia anthelmintica</i> (L.) Willd. MPCAJU330	Asteraceae	Large Herb	Leaves: Used to stop phlegmatic discharges from nostrils. Seeds: Used to remove wind from bile, cough and intestinal worms.	Used against ulcers, cough, skin disease, leucoderma and fever (Kritikar & Basu, 2006)
9.	Baula Alu 154	<i>Dioscorea bulbifera</i> Linn. MPCAJU318	Dioscoreaceae	Twiner Herb	Tuber Roots: Used in ulcers, piles and sores.	Used against arthritis, dermatitis, carbuncles, parasites, skin disorder, to rejuvenate body tissues, increase seminal secretion and spermatogenesis (Pakrashi & Mukhopadhyay, 2001)
10.	Behera 115	<i>Terminalia bellirica</i> (Bahera)(Gaertn.) Roxb. MPCAJU317	Combretaceae	Tree	Fruits: Dysentery, diarrhea and dyspepsia	Used to treat diarrhea, dysentery, dyspepsia, ulcers, digestive problems, leucoderma, ophthalmic disorders (Sharma <i>et al.</i> , 2001)
11.	Bhaluksakti 36	<i>Oroxylum indicum</i> Vent. MPCAJU322	Bignoniaceae	Medium Sized Tree	Stem bark: Paste applied on rheumatism, gout and swelling.	Used in cough, abdominal tumor, hemorrhoids (Singh, 2007)
12.	Bhela 81	<i>Semecarpus anacardium</i> Linn. f. MPCAJU320	Anacardiaceae	Moderate-sized tree	Nut oil: Useful in rheumatism	Used against diarrhea, hepatic disorders, ear disease, gonorrhoea, fever. (Sharma <i>et al.</i> , 2001)
13.	Bhui kul 2	<i>Ziziphus nummularia</i> (Burm.f.) Wight & Walk.-Arn. MPCAJU321	Rhamnaceae	Bushy Shrub	Leaves: Used in bleeding gums. Fruits: Used as appetizer	Used to treat cough and as appetizer & stomachic (Kritikar & Basu, 2006)
14.	Bhui Kumra 64	<i>Ipomoea paniculata</i> (L.) R.Br. MPCAJU338	Convolvulaceae	Herbaceous Twiner	Roots: Used to cure general weakness and excessive menstruation	Used against leprosy, burning sensation, vomiting, disease of the blood, improves the voice and the complexion (Kritikar & Basu, 2006)
15.	Bhurru 221	<i>Gardenia gummifera</i> Linn. f. MPCAJU324	Rubiaceae	Small tree	Gum: To treat round worms, guinea worms	Used as antispasmodic, carminative, antiseptic, stimulating and against dyspepsia, round worms (Kritikar & Basu, 2006)

16.	Chalta 14	<i>Dillenia indica</i> Linn. MPCAJU331	Dilleniaceae	Small tree or large shrub	Fruits: Mucilaginous sap of calyx used as purgative and applied on burn wounds. Root bark: Used in case of food poisoning	Used to treat ayncope, food toxicity, increase semens, immunity, promoting healthy hair (Pakrashi & Mukhopadhyay, 2001)
17.	Chihor 58	<i>Bauhinia vahlii</i> (Wt. & Arn.) Benth. MPCAJU301	Caesalpiniaceae	Climber	Roots: Juice with curd given to cure dysentery	Seed possesses tonic and aphrodisiac. Leaves are demulcent and mucilaginous (Kritikar & Basu, 2006)
18.	Chitpunji 33	<i>Dregea volubilis</i> (L. f.) Benth. MPCAJU308	Asclepiadaceae	Vine	Root and tender stalks— Used in colds, sinusitis and biliousness.	Used against biliousness, burning sensation, disease of the eye, dyspepsia, inflammations, tumors, piles, leucoderma, asthma, urinary discharges (Kritikar & Basu, 2006)
19.	Churka Alu 82	<i>Dioscorea triphylla</i> L. Amoen. MPCAJU347	Dioscoreaceae	Twiner Herb	Tubers: To treat indigestion, vomiting	Tubers are used to disperse swellings (Khare, 2007).
20.	Dhan alu 73	<i>Dioscorea esculenta</i> Burkill. MPCAJU334	Dioscoreaceae	Twiner Herb	Tuber roots: To relief pain and taken to treat and gratted tubers applied on swellings	Used to treat Anorexia, Excessive thirst.(http://www.instituteofayurveda.org/)
21.	Dhatki 43	<i>Woodfordia fruticosa</i> (Dhai) Kurz. MPCAJU336	Lythraceae	Small Shrub	Flowers: Used in Dysentery, diarrhea, dyspepsia	Used against constipation, leprosy, skin disease, diarrhea, dysentery, foul ulcers, diabetes (Sharma <i>et al.</i> , 2001)
22.	Dikosinduri 49	<i>Buettneria herbacea</i> Roxb. MPCAJU309	Sterculiaceae	Herb	Rootstock: Used to improve sexual power, Root paste used to treat bone fracture and eye cataract	Used against cholera, diarrhea, female complaints (Kritikar & Basu, 2006)
23.	Dom Bhurru 49	<i>Gardenia latifolia</i> Ait. MPCAJU337	Rubiaceae	Shrub	Leaves: Young leaves pounded and applied to cattle wounds	Used against skin diseases (Khare, 2007)
24.	Dudhilata 7	<i>Ichnocarpus frutescens</i> (Dudhilata) R. Br. MPCAJU319.	Apocynaceae	Twining Shrub	Leaves: Paste applied to sore in between fingers; fresh latex applied to treat nail disease; with mustard oil used to treat scabies.	Used to treat piles, anorexia, burning sensation (Pakrashi & Mukhopadhyay, 2001)

25.	Durga jhapi 123	<i>Lygodium flexuosum</i> Linn. MPCAJU305	Schizaeaceae	Climbing Fern	Roots: Applied to scabies, burn wounds, carbuncles.	Used in external applications for rheumatism, sprains, cut wounds, eczema, scabies and carbuncles (Khare, 2007)
26.	Ghunta 8	<i>Stereospermum suaveolens</i> DC. MPCAJU340	Oleaceae	Moderate sized tree	Bark: Useful in heart disease Fruits: Used in diarrhea	Used against bilious diarrhea, throat diseases, high cough and epistaxis (Singh, 2007)
27.	Gurman 13	<i>Ceriscoides turgida</i> (Roxb.) Tirvengadam MPCAJU323	Rubiaceae	Tree	Fruits: Typhoid of cattle, pulp applied to forehead in fever Seeds: Used in Diabetes	Root—used as a remedy for indigestion in children. Fruits— used in affections of the mammary glands. Pounded pulp is applied to forehead in fever (Khare, 2007).
28.	Haritaki 84	<i>Terminalia chebula</i> Retz. MPCAJU341	Combretaceae	Tree	Fruits: Dysentery, diarrhea and dyspepsia	Used as stomachic, laxative, purgative and against ulcers, gastric disorders, indigestion, constipation (Sharma <i>et al.</i> , 2001)
29.	Jiyal 108	<i>Lannea coromandelica</i> (Houtt.) Merrill MPCAJU343	Anacardiaceae	Tree	Bark: Used in obstinate ulcers, toothache	Bark—stimulant and astringent; used in gout; decoction for aphthae of the mouth and for toothache. Leaves— boiled and applied to sprains, bruises, local swellings, elephantiasis. Gum— given in asthma; as a cordial to women during lactation (Khare, 2007).
30.	Kalmegh 3	<i>Andrographis paniculata</i> (Burm.F.) Wall.ex Nees MPCAJU344	Acanthaceae	Herb	Whole plant: used in fever and as liver tonic Leaves: In cases of irregular stools, loss of appetite	Used against nausea, amoebiasis, malnutrition, burning sensation (Mukhopadhyaya and Bandhopadhyaya, 2001)
31.	Kanchan 3	<i>Bauhinia purpurea</i> Linn. MPCAJU348	Caesalpiniaceae	Tree	Stem Bark: Paste applied to treat bone fracture	Used against dysuria, burning sensation, piles, scrofula (Pakrashi & Mukhopadhyay, 2001)
32.	Kendu 328	<i>Diospyros melanoxylon</i> Roxb. MPCAJU357	Ebenaceae	Medium- sized tree or shrub	Bark: Powder is applied in ulceration of the cornea	Fruit used as digestible, astringent to the bowels. Used to treat biliousness and airy element (vata) (Kritikar & Basu, 2006)

33.	Kudhi Karhar 42	<i>Randia spinosa</i> Poir. MPCAJU335	Rubiaceae	Shrub	Fruits: Pulp used as abortifacient Roots: Possessed insecticidal and insect repelling properties	Fruit used as nervine, calmative, antispasmodic, emetic, anthelmintic, abortifacient. Used as a substitute for ipecacuanha. Root used as cooling and diuretic. (Khare, 2007)
34.	Kujri 3	<i>Celastrus paniculatus</i> Willd. MPCAJU325	Celastraceae	Shrub	Bark: Used as abortifacient. Seeds: Used to sharpens the memory Leaves: Juice applied as drops in ears to cure earache.	Used as Memory and Wisdom booster (Singh, 2007)
35.	Kukuraru 8	<i>Grewia helicterifolia</i> Wall. Ex G. Don. MPCAJU346	Tilaceae	Shrub	Fruits & Roots: Used in diarrhea and dysentery Roots: Dressing for wounds.	Used against nose and eye diseases, bowles, cholera, hydrophobia, kidney pain, piles, diarrhea & dysentery, dressing of wounds (Kritikar & Basu, 2006)
36.	Kukurchita 2	<i>Litsea glutinosa</i> (Lour.) C.B. Robins. MPCAJU327	Lauraceae	Tree	Leaves: Applied as poultice on wounds and bruises	Used as sedative and to treat diarrhea, blood dysentery (Pakrashi & Mukhopadhyay, 2001)
37.	Kumarlata 14	<i>Ampelocissus latifolia</i> (Kumarlata) (Roxb.) Planch. MPCAJU349	Vitaceae	Climber	Leaves: Juice of tender leaves used in dental problems	-
38.	Kundri 9	<i>Coccinia indica</i> Wight & Arn. MPCAJU333	Cucurbitaceae	Climber	Roots & leaves: Used to treat jaundice, diabetes Fruits: For foul breathe and bad taste	Used against diabetes, ulcer/wound, leucorrhoea (Pakrashi & Mukhopadhyay, 2001)
39.	Kurchi 287	<i>Holarrhena pubescens</i> (Buch.-Ham.) Wall. Ex G. Don. MPCAJU342	Apocynaceae	Shrub or small tree	Stem bark: Used in blood dysentery, labor complaints Roots: Powder given to children as snuff to treat bleeding from nose Seed: Used in persistent fever.	Used to treat dysentery, diarrhea, indigestion, flatulence, colitis, diabetes (Pakrashi & Mukhopadhyay, 2001)
40.	Kusum 15	<i>Schleichera oleosa</i> (Lour.) Oken. MPCAJU351	Sapindaceae	Tree	Seed oil: Good for hair; applied to skin disease and in rheumatism.	Used against skin diseases, oedema, blood diseases, epistaxis, ulcer, hyperhidrosis, hernia, abscess, deafness, vaginal disease and diseases of the ear. (Singh, 2007)

41.	Lat Palash 6	<i>Butea superb</i> (Lata palash) Roxb. MPCAJU352	Papilionaceae	Climber	Tree gum: Used as tonic Young shoots: Used to treat piles.	Used as sedative and anthelmintic; decoction emollient and topically for piles (Pakrashi & Mukhopadhyay, 2001)
42.	Lodh 61	<i>Symplocos racemosa</i> Roxb. MPCAJU353	Symplocaceae	Tree	Bark: decoction used to treat bleeding gums	Used against bleeding gums, ulcers, tumors, leprosy, skin diseases, bronchitis, eye disease. (Sharma <i>et al.</i> , 2001)
43.	Maina Kata 5	<i>Meyna laxiflora</i> Robyns. MPCAJU310	Rubiaceae	Shrub	Roots: Paste with water taken to cure painful urination	Used in biliary complaints, hepatic congestion and boils (Khare, 2007).
44.	Neelkantho 259	<i>Polygala crotalarioides</i> Buch.- Ham. exDC. MPCAJU315	Polygalaceae	Herb	Roots: Used in cold, cough and abdominal pain	Used for cough and pulmonary catarrh; chewed or ground and drunk with water to expel phlegm from the throat. (Kritikar & Basu, 2006)
45.	Paniya Lata 59	<i>Cissus adnata</i> Roxb. MPCAJU326	Vitaceae	Climber	Tubers: Used for blood purifying. Roots: Powdered and heated root applied to cuts and fractures	Used against fractures and eye diseases. (Singh, 2007)
46.	Parasi 442	<i>Cleistanthus collinus</i> (Roxb.) Benth. & Hook.f. MPCAJU354	Euphorbiaceae	Small Tree	Stem bark: Decoction in water applied for washing septic wounds; paste applied to cure sore in between fingers	An extract of the leaves and fruits acts as violent gastrointestinal irritant. (Kritikar & Basu, 2006)
47.	Pial 189	<i>Buchanania lanzan</i> Spreng. MPCAJU355	Anacardiaceae	Medium Sized Tree	Seeds: Seed oil applied to treat baldness Leaves: Purifies blood	Used against biliousness, fevers, blood diseases, ulcers, burning sensation. (Kritikar & Basu, 2006)
48.	Piasal 176	<i>Pterocarpus marsupium</i> Roxb. MPCAJU356	Fabaceae	Tree	Wood: Useful in stomach trouble after delivery Gum: Useful in toothache and pyrosis	Used to treat air flow and cough diseases of blood, eruptions, leucoderma, erysipelas, urinary discharges and troubles, leprosy, eye troubles and elephantiasis (Kritikar & Basu, 2006).
49.	Putla 247	<i>Croton roxburghii</i> Balakr. MPCAJU316	Euphorbiaceae	Medium Sized Tree	Root: In snake bite Fruit/Seed: purgative in snake bite.	Used against oedema, poison, in acute inflammatory condition (Pakrashi & Mukhopadhyay, 2001)

50.	Ram Datan 164	<i>Smilax ovalifolia</i> Roxb. MPCAJU304	Smilacaceae	Climbing Shrub	Roots: Used to treat abnormal discharges of semen and white discharge of semen.	Used against epilepsy, mania, colic, tympanites, disease caused by airy element (vata) (Singh, 2007)
51.	Safed Musli 41	<i>Chlorophytum borivilianum</i> Santapau & R.R.Fern. MPCAJU332	Liliaceae	Herb	Tuber Roots: Used as remedy for diabetes and arthritis.	Tuber—nervine and general tonic, substitute for onion. Fried powder of the root is chewed in aphthae of mouth and throat. A decoction of the root with turmeric used in rheumatism (Khare, 2007).
52.	Satamul 167	<i>Asparagus racemosus</i> Wild. MPCAJU302	Asparagaceae	Shrub	Tuber roots: Used in blood dysentery, bloody urine, white discharge of female and abnormal discharges of semen Leaves: Treat night blindness.	Used against Acid peptic disease, dysuria, epilepsy, pain (Pakrashi & Mukhopadhyay, 2001)
53.	Seuli 8	<i>Nyctanthes arbor-tristis</i> Linn. MPCAJU303	Oleaceae	large shrub or small tree	Leaves: Juice taken to treat inflammation of the body Seeds: Used to treat scurfy affection of the scalp	Used against fevers, bronchitis,, enlargement of spleen, pain in the eye (Kritikar & Basu, 2006)
54.	Sonalu 63	<i>Cassia fistula</i> Linn. MPCAJU350	Caesalpiaceae	Tree	Leaves: Used for ulcer, rheumatism, and fistula trouble. Stern bark: Powder with black pepper to cure menstrual disorder Pulp of seed: High blood pressure	Used as laxative, anorexia and to treat gastritis (Pakrashi & Mukhopadhyay, 2001)
55.	Suramatha 191	<i>Antidesma acidum</i> Retz. MPCAJU345	Euphorbiaceae	Tree	Leaves & Fruits: Used in whitlow and carbuncle. Roots: Paste applied in rheumatism	-
56.	Talmuli 533	<i>Curculigo orchioides</i> Gaertn. MPCAJU307	Amaryllidaceae	Herb	Rhizomes: Used to treat piles and in body-cooling	Treat urinary system, piles, jaundice, diarrhea (Pakrashi & Mukhopadhyay, 2001)
57.	Uchunti 11	<i>Ageratum conyzoides</i> Linn. MPCAJU312	Asteraceae	Herb	Leaves: Wounds, boils, skin disease Roots: Used in purulent ophthalmia.	The leaves applied to wounds as styptic and heal quickly. The juice of the root have antilithic properties (Kritikar & Basu, 2006)



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