

ECOLOGICAL PROFILE

The spotted tortoise beetle, (*Aspidimorpha miliaris*, Fabricius 1775) is a potential control agent of the menacing weed species Ipomea carnea in India.



BAGEPALLI,
KARNATAKA

2018



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Registered under the Societies Registration Act XXI 1860, the Foundation for Ecological Security was set up in 2001 to reinforce the massive and critical task of ecological restoration in the country.

The crux of our efforts lies in locating forests and other natural resources within the prevailing economic, social and ecological dynamics in rural landscapes and in intertwining principles of conservation and local self governance for the protection of the natural surroundings and improvement in the living conditions of the poor. By working on systemic issues that can bring about a multiplier change, we strive for a future where the local communities determine and move towards desirable land-use that is based on principles of conservation and social justice.

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1. Area Description

1.1 Introduction

Bagepalli is situated in Chikkaballapur district of Karnataka towards south-eastern part of the State near Andhra Pradesh border. It lies between 77.72 N & 78.12N and 13.62 E & 13.95 E. Chikkaballapur district comprises of 6 tehsils and Bagepalli is one of them. Its boundary touches the tehsils of Gudibanda, Sidloghatta and Chintamani located in the Southern side. Towards the northern side, the tehsils boundary touches the state of Andhra Pradesh.

1.2 Ground Configuration

Bagepalli is a part of Eastern Ghats of the country. The Eastern Ghats run parallel to the eastern coast and subcostal zone of the country and are mainly confined to Tamil Nadu, Andhra Pradesh and Odisha. Bagepalli occupies the Karnataka tableland immediately bounding on the Eastern Ghats. The frontier touches the Ghats only in the north- east and in the south i.e.Papagni and Palar catchments. The chief watershed of Papagni river basin lies in Bagepalli and three other taluks namely Sidlaghatta, Chintamani and Srinivaspura. The heights of hills of Bagepalli range between 592 - 1205 m asl.

1.3 Demography

The total population of the block is 183498. Reddy, Balijiga and Boki are common castes in the area. The sex ratio is 979 females per 1000 males. Nege, Lambani, Nayaka etc. are main Scheduled Castes (SC) while Beda, Aadi Karnataka etc. are major Schedule Tribes (ST) in this zone. Minimum population density is 0-74 per sq.km and maximum density is 578-1573 per sq. km. As many as 230 villages are there in Bagepalli tehsil.



2. Climate

2.1 Rainfall

Bagepalli tehsil receives rainfall from the south – west monsoon winds during the period of June to September. Retreat monsoon is experienced during October – November. Rain is erratic and irregular and consists of few heavy showers interspersed with long spells of drought. Rainfall varies from year to year and place to place. The quantum of average annual rainfall is about 650mm

2.2 Temperature

Temperature varies from 15°C to 45°C. The maximum temperature recorded during summer is 45°C and minimum is 15°C during winter. The area is frost free as minimum temperature does not drop below freezing point.

2.3 Wind

Winds are predominantly from the south-west or west from April to September. From October onwards, light easterly to north – easterly winds begin to flow. Sometimes heavy winds of sea storms are also experienced, during such winds shallow-rooted trees become prone to uprooting.

2.4 Ecological features

Climate of the area is hot and dry except in the monsoon season. The whole span of the year can be divided into summer, monsoon, post monsoon (or retreat monsoon) and winter season. These are March to mid-June, mid-June to September, October to November and December to February respectively. Area is drought prone and erratic rainfall is experienced during rainy season. Many physical constrains like high temperature, low fertility, shallow soil, high percolation etc. are experienced which hinder productivity of various ecosystems. Sometimes sea storms are also experienced.



3. Geology

3.1 Structural Features of rocks

Landscape is a part of the regional archaean complex having outcrops of younger granite and underlain by peninsular gneissic basement. Crystalline, Igneous, Plutonic, sedimentary and metamorphic rocks are generally seen in the area. Geomorphologically plantation surfaces, pediments and pedi-plains are present. Terrain is undulating.

Hills are made of igneous rocks. Few hills have unfissured, less damaged upper part and accumulated eroded material towards bottom zone. Such hills have greenery towards bottom area and top area has scanty or no vegetation. Few hills have many fissures up-to top zone. Such hills support more greenery. Gadidim Betta, Gummanamakna Betta, Narasimma Swami Betta, Guttapalyiya etc are major hills of the area.



Igneous Hill: with less fissures



Igneous Hill: with more fissures

3.2 Rock Pattern

Various types of rock patterns are present in the area like Dharwad schists, Gneissic complex, Dolerite dykes, Laterite etc. Numerous dykes of dolerite traverse the rocks of the schist belt and granite complex. These dykes run in two directions, north-south and east-west. A green belt of vegetation can be seen at the fringe of dykes.

3.3 Hydro-geological characteristics of rocks

Hydro-geologically this rocks are poor aquifers. They contain low porosity, permeability, transmissivity and storability. Primary porosity is almost negligible but water occurs in secondary structures such as fractures and joints. Due to poor aquifer properties, the wells show uncertain yields and largely depend on precipitation

4. Soil

4.1 Types of soils

Red loamy, Red, Red Sandy and Red and yellow soils are present in the area. The soil conditions are poor. The soils are highly eroded at many places. Alluvial soils are restricted to valley areas. Due to erosion the soils are devoid of humus and thus infertile. In short, soils can be classified as skeletal, with scanty forest cover.

4.2 Texture of soils

In most of pockets soils is very coarse in texture with low water holding capacity. Due to coarse nature rapid percolation of water is seen in the soil bed. Coarse soils are scattered on hillocks at high elevation. Mid portions contain medium to fine loamy soils while the lower portions covered by fine clayey soils.

4.3 Issues in soil conservation

- Poor moisture retention
- High run – off
- Poor in humus hence poor in fertility
- Soil depth is low in most of the area



5. Water

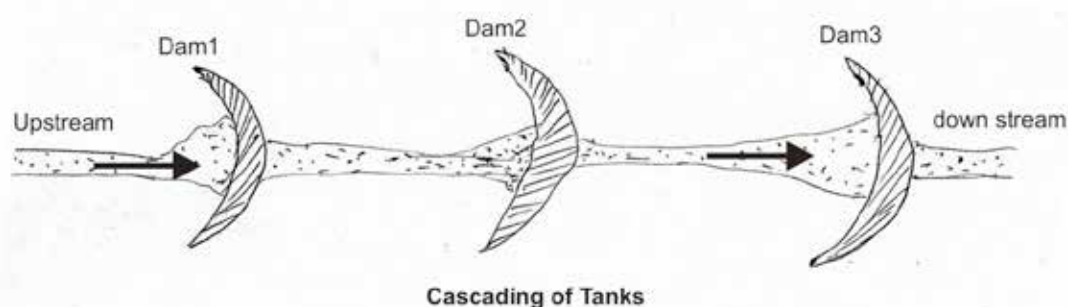
5.1 Rivers

Pannar, Chitravati, Bandama etc. are the main rivers flowing through the region. These rivers are seasonal in nature and water flow is seen during rainy season only. These rivers turn dry by the end of December. They all are eastward flowing rivers.

5.2 Tanks and reservoirs

“Kalyani” are very special type of traditional water reservoirs in this zone. A “Kalyani” is similar to the north Indian structure of “baori” or step well. Kalyanis have stepping at all four sides besides a beautiful entry. These structures were constructed by erstwhile rulers as a source of drinking water to the public. While going to village Gummanayaka Palya, a beautiful Kalyani is present near the road. Famous Gummanayaka Palya fort is located on a hillock kilometer away from this Kalyani. The slopes of hillock are part of the catchment of the Kalyani.

In this area, land is undulating at places hence a series of water tanks are made in the downstream area of a nallah in a linear pattern. A bird’s eye view from hillocks, reveals a series of water filled tanks downstream, linked by a common stream.



These tanks are used for irrigation by the local farmers.

Chitravati, Bandama etc are major dams of Bagepalli area.

5.3 Irrigation

Monsoon rain, tanks, wells and rivers are main sources of irrigation in the area. Bagepalli is relatively a dry area. For agriculture activities farmers mainly depend on monsoonal rains, however during scarcity of water, irrigation is done by wells, rivers, canals, lake and tanks. Irrigation facilities are not well developed and still big part of the land is un-irrigated.

5.4 Ground water

Due to erratic rainfall in the area many tanks and reservoirs go dry, gripping the tract into scarcity conditions during summer season. Situation of ground water is not satisfactory. A drop in water-table is seen in many pockets of the area. A fall in the water table reflects ground water exploitation. The reason for increase in ground water extraction are varied. Factors such as unpredictable rainfall, decline in use of tanks as a source of irrigation, the cultivation of water – intensive crops and increased demand for water appear to be playing an important role.

6. Land use pattern

The total geographical area of Chikkaballapur district is 424400 ha and the total geographical area of Bagepalli area is 90365.29 ha. The present land use pattern of Bagepalli is as follows:

Land Use	Area (in Hectares)	% of Area
Forest	8177.36	9.049226755
Common land	23509.54	26.01611747
Agriculture	47199.13	52.2314818
Land Under Miscellaneous Tree Crops etc.	2433.4	2.692848106
Others	9045.86	10.01032587
Total Geographical Area	90365.29	100



7. Forests



7.1 Silvicultural classification of forest

5 A/C 3 Southern Dry Mixed Deciduous Forest

6 A/C1 Southern Tropical Thorn Forest

Degradation stage of dry deciduous forest

The following stages are present;

DS 1 – Dry deciduous scrub

DS 2 – Dry savannah forest

DS 3 – Euphorbia scrub

DS 4 – Dry grassland

Tropical thorn forests are major forest types in the area. Scrubs are common. This zone is a part of Eastern Ghats. Tropical mixed dry deciduous forests with patches of thorny scrub are available in the landscape. Canopy density varies from 0.1 to 0.4. Drought, fire, over grazing, trampling, fragmentation of forests, shallow etc are common limiting factors of the area.

7.2 Succession and climax

Forests of the area are facing retrogressive succession. Openness is increasing in the forest area of the zone. Canopy density varies from 0.2 to 0.6. patches of all successional stages like grassland, scrub land, woodland and dense patches can be seen here and there in whole landscape. Teak is the climax species of the area. The site quality of teak is B to C category.

7.3 Natural regeneration in the forest

Forest are facing heavy anthropogenic disturbances. Cattle pressure is also high. Over grazing and trampling signs are visible everywhere. Natural regeneration of most of wild plant species is unsatisfactory. *Cymbopogon coloratus*, which is an unpalatable grass is making thickets in foothill zone.

7.4 Threats to the forest

The injuries to the forests are mainly from illicit felling, fire and grazing. Grazing causes damage to existing vegetation as well as regenerating seedlings, saplings and pole crops area is having thick growth of *Cymbopogon coloratus*, locally called Boddagaddi. Due to this grass, ground fire is common during fire season i.e. from February to mid of June.

Dependency of local public is more on forest resources. Signs of tree cutting, branch lopping, and fuel wood collection are seen in the forest areas close to human settlements. Many wild species like Black buck usually seen in grasslands and outskirts of forest areas. These wild herbivores also damage forest crops. Porcupine, monkeys, black-napped hares and rodents also nibble on buds, stems and other parts of the plants.

7.5 Suitable species for plantation in the area:

For regeneration purpose suitable species for different zones are as following:

Foot-hill Zone*	Middle Zone*	Top Zone*	Along streams*
<i>Anona squamosa S.P.</i>	<i>Cassia fistula C.P.</i>	<i>Ficus ornattiana [P]</i>	<i>Pongamia pinnata S.P.</i>
<i>Carissa spinarum</i>	<i>Wrightia tinctoria S.P.</i>	<i>F. mollis [P]</i>	<i>Syzygium jambolana S.P.</i>
<i>C. congesta S.P.</i>	<i>Holoptelea integrifolia S.P.</i>	<i>F. rumphii [P]</i>	<i>Terminalai arjuna S.P.</i>
<i>Cassia fistula S.P.</i>		<i>Boswellia ovalifoliolata S.P.</i>	<i>Ficus glomerata P.</i>
<i>Agave americana B</i>		<i>Sterculia urens S.P.</i>	
<i>Ziziphus horrid</i>			
<i>Z. mauritiana S.P.</i>			
<i>Ficus benghalensis P.C.</i>			
<i>F. religiosa P.</i>			
<i>F. infectoria P.C.</i>			
<i>Dalbergia paniculata S.P.</i>			
<i>Azadirachta indica S.P.</i>			

* S= Sowing, B= Bulbil planting, P= Planting in pits, C= Cutting planting, [P]= Planting in rocky zone/ crevices

7.6 Suitable species of Grasslands

To regenerate the grasslands *Sehima nervosum*, *Dicanthium annulatum*, *Heteropogon contortus* etc. are suitable species. They should be sown by pallet broadcasting method.

8. Biodiversity

In the project region mainly four habitats are found namely forest, grassland, agriculture and fresh water habitats. Floral biodiversity of area is listed in Annexure 1. Specific floral composition of different habitats is listed below.

8.1 Floral diversity in forest habitat

Forest areas support various types of habit forms like tree, shrub, herb and climbers. Canopy density is low varies and from 0.2 to 0.6. Forests have much openness in most of the pockets. Hills have igneous rocks. Soil is shallow, gritty and poor. Water holding capacity of the soil is poor. *Anogissus latifolia*, *Dolichandrone atrovirens*, *Shorea tolura*, *Diospyos melanoxylon*, *D.montana*, *Albizzia amara*, *Terminalia tomentosa*, *Chloroxylon swietenia*, *Ixora parviflora*, *Wrightia tinctoria*, *Strychnos potatorum*, *Cassia fistula*, *Ziziphus mauritiana* etc. are tree species. Stunting is prominently present in the species. *Randia dumetrorum*, *Plectronia parviflora*, *Dodonea viscosa* etc. are important shrub species. *Agave* spp. is commonly seen in the fencings as live hedge fence.

During rainy season many lower plants of Thallophyta, Bryophyta and Pteridophyta can be seen here and there in the area especially where shady, cool and moist micro-habitat is available. List of lower plants is presented in Annexure 7.

8.2 Floral diversity in agriculture habitat

Both rabi and kharif crops are produced in the area Major kharif crop are Ragi, Ground Nut, Maize, Paddy, Bajra, Tomato etc. Ground nut is a major kharif crop while maize and paddy are relatively lesser grown crops. During robi season, sunflower, horse gram, red gram etc are commonly grown.

This area is famous for cultivation of many fruits like Mango, Grapes, Pomegranate, Papaya, Jamun, Sapota (Cheeku), Banana, Coconut, Water Melon etc. Tomato, bringle, chilis, cucumber, chakota or chakotara (*Citrus maxima*), Coriander etc. are major vegetables grown by the farmers in their fields.





8.3 Floral diversity in fresh water habitat

Freshwater habitats of both lentic and lotic systems are found in the block. This habitat forms inter-connection among the terrestrial and it supports the living system of other habitats. Besides frogs, fresh water snake, snails and other aquatic floral species like *Juncellus alopecuroides*, *J.pygmaeus*, *Polygonum barbatus*, *P.glabrum*, *P.plebeium*, *Typha angustata*, *Crinum defixum*, *Cyperus rotundus*, *Finrystylis falcate*, etc are seen in water bodies. Most of aquatic plants are seen from September to December.

8.4 Floral diversity in grassland habitat

During rainy season open areas are converted into grasslands. *Cymbopogon coloratus*, locally called bodagaddi or bodaullu is commonly seen everywhere, especially towards foot hill and waste lands. It is a non – browsable grass which makes the area fire prone during summer season. Many species of grasses are seen during monsoon season like *Acrachne racemosa*, *Alloteropsis cimicina*, *Apluda mutica*, *Aristida adscensionis*, *Asristida funiculate*, *Aristida hystrix*, *Brachiaria ramose*, *Brachiaria reptans*, *Cenchrus biflorus*, *Cenchrus setigerus*, *Chloris barbata*, *Chloris virgata*, *Chrysopogon fulvus*, *Chrysopogon fulvus*, *Cymbopogon caesisus*, *Cymbopogon coloratus*, *Cymbopogon jwarancusa*, *Cymbopogon martini*, *Cymbopogon nardu*, *Cynodon barberi*, *Cynodon dactylon*, *Dactyloctenium aegyptium*, *Dendrocalamus strictus*, *Dichanthium annulatum*, *Dichanthium caricosum*, *Dichanthium fliculme*, *Dichanthium pertusum*, *Digitaria ciliaris*, *Digitaria longiflora*, *Diplachne fusa*, *Echinochloa, colona Echinochloa*, *Eleusine coracana*, *Eleusine indica*, *Eragrostis ciliaris*, *Eragrostis japonica*, *Eragrostis minor*, *Eragrostis tremula*, *Eremopogon foveolatus*, *Heteropogon contortus*, *Melanocenchris jacquemontii*, *Oplismenus burmannii*, *Oryza sativa*, *Panicum paludosm*, *Panicum psilopodium*, *Paspalidium flavidum*, *Perotis indica*, *Pennisetum*, *Themeda triandra*, *Tetrapogon tenellus*, *Sporobolus spicatus*, *Sporobolus maderaspatanus*, *Sporobolus indicus*, *Sporobolus coromandelianus*, *Sorghum bicolor*, *Setaria verticillata*, *Setaria pumila*, *Setaria italic*, *Setaria intermedia*, *Saccharum spontaneum*, *Phragmites karka* etc.

8.5 Faunal diversity

Various habitats of the area support many faunal species of mammals, birds, reptiles, amphibians, butterflies, spiders (see Annexure 2 to 6). Resident birds are seen round the year while winter migrants come during winter season. Summer migrants are seen during late summers to rainy season.

9. Annexures

Annexure 1

Angiospermic Flora of Bagepalli area

S.No.	Family	Scientific Name	Local Name	Habit
1	Acanthaceae	<i>Asystasia gangetica</i> (L.)T.	Podabeera	Herb
2		<i>Barleria cuspidata</i> Heyne ex Nees	Disermbara	Shrub
3		<i>Barleria noctiflora</i> L.f.	Nagagorinta	Shrub
4		<i>Barleria prionitis</i> L.	Mullugorinta	Under Shrub
5		<i>Belpharis maderaspatensis</i> (L.) Hyne ex Roth	Anthrintapulu	Herb
6		<i>Belpharis repans</i> (Vahl) Roth	Chinnaantrintapulu	Herb
7		<i>Decliptera verticillata</i> (Forssk.) Christensen		Herb
8		<i>Dipteracanthus patulus</i> (Jacq.)		Under Shrub
9		<i>Dipteracanthus prostrans</i> (Poir.) Nees	Nela Neelambaramu	Under Shrub
10		<i>Elytratia acaulis</i> (L.f.) Lindau	Yeddu-adugu	Herb
11		<i>Indoneesiella echioids</i> (L.) Sreemadh	Akupootha	Herb
12		<i>Indoneesiella longepedunculata</i> (Sreemadh.) Sreemadh		Herb
13		<i>Justicia adhatoda</i> L.	Addasaramu	Shrub
14		<i>Lepidagathis cristata</i> Willd.	Mullabanti	Herb
15		<i>Lepidagathis incurva</i> Buch.-Ham.		Herb
16		<i>Lepidagathis mitis</i> Dalz.		Herb
17		<i>Peristrophe paniculata</i> (Forssk.)	Chebura	Herb
18		<i>Rostellularia diffusa</i> (Willd.) Nees. var. <i>diffusa</i>		Herb
19		<i>Rostellularia procumbens</i> (L.) Nees.		Herb
20		<i>Rostellularia prostrata</i> (Roxb. Ex) C.B. Clarke) R.B. Majumadar		Herb
21		<i>Rostellularia simplex</i> Wight,		Herb
22		<i>Rostellularia vahlii</i> (Roth) Nees var. <i>vahlii</i>		Straggling Herb
23		<i>Rungia repens</i> (L.) Nees	Palakavelli	Herb
24	Agavaceae	<i>Agave americana</i> L.	Kittanara	Herb
25		<i>Agave angustifolia</i> Haw.		Herb
26		<i>Agave cantula</i> Roxb.	Kalabanda	Herb
27	Aizoaceae	<i>Trianthema prtulacastrum</i> L.	Gajerugodda	Herb
28		<i>Trianthema triqueta</i> Rottl. ex. Willd.	Kukka Polakuri	Herb
29	Alangiaceae	<i>Alangium salvifolium</i> (L.f.) Wangerin subsp. <i>salvifolium</i>	Udaga chitt, Ankolamu	Shrub
30	Amaranthaceae	<i>Achyranthes aspera</i> L. var. <i>argentea</i> (Thw.) Hook. f.	Uttarens	Herb

S.No.	Family	Scientific Name	Local Name	Habit
31		<i>Achyranthes aspera</i> L. var. <i>aspera</i>	Uttareni	Herb
32		<i>Aerva lanata</i> (L.) Juss.	Telaga pindi konda	Herb
33		<i>Aerva sanguinolenta</i> (L.) Blume	Pindi Chettu	Herb
34		<i>Allmania nodiflora</i> (L.) R. Br. Ex Wight var. <i>aspera</i> (Heyne ex Roth) DC.	Errabaddi Aku	Herb
35		<i>Alternanthera pungens</i> Kunth	Mullu Ponnaganti	Herb
36		<i>Alternanthera sessilis</i> (L.) R. ex. DC.	Poona gantikura	Herb
37		<i>Amaranthus spinosus</i> L.	Mulluthota kura	Herb
38		<i>Amaranthus tricolor</i> L.	Perugu thotakura	Herb
39		<i>Amaranthus viridis</i> L.	Chilakathota kura	Herb
40		<i>Celosia argentea</i> L. var. <i>argentea</i>	Gurugu aku	Herb
41		<i>Celosia argentea</i> L. var. <i>cristata</i>	Kodijuttu chettu	Herb
42		<i>Digera muricata</i> (L.) Mart.	Chenchali kura	Herb
43		<i>Gomphrena globosa</i> L.	Erra pagada banti, Rudrakshi, Bandumalli	Herb
44		<i>Gomphrena serrata</i> L.	Tella pagada banthi	Herb
45		<i>Pupalia lappacea</i> (L.) Juss var. <i>lappacea</i>	Erra Uttareni, Tella Uttareni	Herb
46		<i>Trichurus monsoniae</i> (L.f.) C. Towns		Spreading Herb
47	Amaryllidaceae	<i>Crinum asiaticum</i> L.	Chengalva	Herb
48		<i>Crinum defixum</i> Ker-Gawl		Herb
49		<i>Crinum latifolium</i> L.		Herb
50	Anacardiaceae	<i>Lannea coromandelica</i> (Houtt.) Merr.	Gumpina	Tree
51		<i>Mangifera indica</i> L.	Mamidi	Tree
52		<i>Rhus mysorensis</i> G.Don	Sunnarapuchettu	Small Tree
53	Annonaceae	<i>Annona squamosa</i> L.	Setthaphalamu	Small Tree
54		<i>Milusa tomentosa</i> (Roxb.) J. Sinclair	Barre duduga, Pedda chilka duduga	Tree
55		<i>Milusa montana</i> Gardn. Ex Hook. f. & Thoms		Shrub
56		<i>Polyalthia longifolia</i> (Sibberat) Thw.	Ashoka	Tree
57	Apocynaceae	<i>Alstona scholaris</i> (L.) R. Br.	Edakulapala	Tree
58		<i>Carissa carandas</i> L.	Peddavakakaya	Shrub
59		<i>Carissa spinarum</i> L.	Kalivi	Shrub
60		<i>Cascabela thevitia</i> (L.) Lippold	Pachha ganneru	Shrub
61		<i>Catharanthus pusillus</i> (Murr.) G. Don	Erri-mirapa	Herb
62		<i>Catharanthus roseus</i> (L.) G. Don	Billaganneru	Herb
63		<i>Nerium indicum</i> Mill	Ganneru	Shrub

S.No.	Family	Scientific Name	Local Name	Habit
64		<i>Wrightia tinctoria</i> (Roxb.) R. Br.	Palavareni	Tree
65	Arecaceae	<i>Borassus flabellifer</i> L.	Thadi	Tree
66		<i>Cocus nucifera</i> L.	Kobbari	Tree
67		<i>Phoenix robusta</i> (Becc.) Becc. & Hook. f.		Tree
68		<i>Phoenix sylvestris</i> (L.) Roxb.	Chittieetha	Tree
69	Aristolochiaceae	<i>Aristolochia bracteolata</i> Lam.	Gadidagadapa	Herb
70		<i>Aristolochia indica</i> L.	Nalla Eswari	Twining Shrub
71	Asclepiadaceae	<i>Calotropis gigantea</i> (L.) R.Br.	Tella Gilledu	Shrub
72		<i>Calotropis procera</i> (Ait.) R. Br.	Jilledu	Shrub
73		<i>Caralluma adscendens</i> (Roxb.) Haw. var. <i>attenuata</i>	Kundelukommulu	Herb
74		<i>Caralluma umbellata</i> Haw.	Kundelukommulu	Herb
75		<i>Ceropegia bulbosa</i> Roxb.	Linga Tai	Herb
76		<i>Ceropegia juncea</i> Roxb.	Bella Badda	Herb
77		<i>Cryptolepis buchananii</i> Roem. & Schult.	Adavi pala teega	Twining Shrub
78		<i>Cryptostegia grandiflora</i> R.Br.	Pamu teega	Stragglng Shrub
79		<i>Hemidesmus indicus</i> (L.) R. var. <i>indicus</i>	Sugandhapala, Sarasaparilla, Nannari	Twining Shrub
80		<i>Hemidesmus indicus</i> (L.) R. var. <i>pubescens</i> (Wight & Arn.) Hook. f.	Sugandi	Twining Shrub
81		<i>Leptadenia reticulata</i> (Retz.) Wight & Arn.	Guttipala	Twining Shrub
82		<i>Oxystelma esculentum</i> (L.f.) R. Br. ex Schultes		Twiner
83		<i>Pentatropis capensis</i> (L.f.) Bull.	Poolapala	Climbing Herb
84		<i>Pergularia daemia</i> (Forssk.) Chiov.	Dushtaputeega	Twining Shrub
85		<i>Wattakaka volubilis</i> (L. f.) Stapf	Bondi guriginji	Woody twiner
86	Asteraceae	<i>Acanthospermum hispidum</i> DC.	Sanna Palleru	Herb
87		<i>Bidens bipinnata</i> L.		Herb
88		<i>Blainvillea acmella</i> (L.) Philipson		Herb
89		<i>Blumea bifoliata</i> (L.)DC.		Herb
90		<i>Blumea mollis</i> (D.Don) Merr.		Herb
91		<i>Dicoma tomentosa</i> Cass.	Navanangi	Herb
92		<i>Eclipta prostrata</i> (L.) L.	Guntagalagara	Herb
93		<i>Glossocardia bosvallea</i> (L.f.) DC.	Nabhi	Herb
94		<i>Gnaphalium polycaulon</i> Pers.	Parapalammu	Herb
95		<i>Helianthus annuus</i> L.	Sun flower	Herb
96		<i>Laggera mollis</i> Cav.		Herb

S.No.	Family	Scientific Name	Local Name	Habit
97		<i>Launaea procumbens</i> (Roxb.) Ramayya & Rajagobal		Herb
98		<i>Oligochaeta ramosa</i> (Roxb.) Wagenitz		Herb
99		<i>Parthenium hysterophorus</i> L.	Vayvaribhama	Herb
100		<i>Pluchea tomentosa</i>		Shrub
101		<i>Pulicaria wightiana</i>	Adaviyradhuthul- ladu	Herb
102		<i>Sphaeranthus indicus</i> L.	Bodasaramu	Herb
103		<i>Tridax procumbens</i> L.	Gaddichamanthi	Herb
104		<i>Vernonia cinerea</i> (L.) Less.	Garitakammi	Herb
105		<i>Xanthium strumarium</i> L.	Marulamathangi	Herb
106	Balanitaceae	<i>Balanites aegyptiaca</i> (L.) Del.	Gara	Small Tree
107	Bignoniaceae	<i>Dolichandrone atrovirens</i> (Roth) Sprague	Vadi	Tree
108		<i>Dolichandrone falcata</i> (Wall. Ex DC.) Seem.	Channavadi	Tree
109		<i>Tecoma stans</i> (L.) Kunth	Pasupu ganneru, Pachapoolu	Shrub
110		<i>Tecomella undulata</i> (Sm.) Seem.	Rohida	Shrub
111	Bombacaceae	<i>Bombax ceiba</i> L.	Buruga	Herb
112		<i>Ceiba pentandra</i> (L.) Gaertn.	Buruga	Herb
113	Boraginaceae	<i>Coldenia procumbens</i> L.	Bokkinaku, Hamsapadu	Herb
114		<i>Heliotropium ovalifolium</i> Forssk.	Bugudanti	Herb
115		<i>Heliotropium supinum</i> L.		Herb
116		<i>Trichodesma indicum</i> (L.) R.Br.	Nela Nakshatrah	Herb
117		<i>Trichodesma sedgwickianum</i> S.P. Banerjee		Herb
118		<i>Trichodesma zeylanica</i> (Brum. f.) R. Br.	Pedda Nela Nakshatralu	Herb
119	Cactaceae	<i>Opuntia stricta</i> (Haw.) Haw. var. <i>dillenii</i> (Ker-Gawl.) Benson in Cact. & Succ.	Zemudu	Shrub
120	Caesalpiniaceae	<i>Bauhinia purpurea</i> L.	Deva Kanchanan	Tree
121		<i>Bauhinia racemosa</i> Lam.	Arechettu	Tree
122		<i>Bauhinia variegata</i> L.	Mandari	Tree
123		<i>Caesalpinia crista</i> L.	Gachaka	Climbing Shrub
124		<i>Caesalpinia pulcherrima</i> (L.) Swartz.	Rathnaganan	Shrub
125		<i>Cassia auriculata</i> L.	Tangedu	Shrub
126		<i>Cassia fistula</i> L.	Rela	Tree
127		<i>Cassia italica</i> (Mill.) Lam ex Andrews	Nelathangedu	Herb
128		<i>Cassia mimosoides</i> L.	Nela Ponna	Herb

S.No.	Family	Scientific Name	Local Name	Habit
129		<i>Cassia montana</i> Heyne ex Roth	Pagadi, Tangedu, Konda, Tangedu	Small tree
130		<i>Cassia occidentalis</i> L.	Kashindha	Under Shrub
131		<i>Cassia pumila</i> Lam.	Semathngedu, Eddhukommaku	Herb
132		<i>Cassia siamea</i> Lam.	Seematangedu	Tree
133		<i>Cassia tora</i> L.	Nela Tangedu	Herb
134		<i>Delonix elata</i> (L.) Gamble	Sinkiresichetta	Tree
135		<i>Delonix regia</i> (Boj. Ex Hook.) Rafin.	Angripoolu	Tree
136		<i>Parkinsonia aculeata</i> L.	Simathumma	Small Tree
137		<i>Peltophorum pterocarpum</i> (DC) Backer ex Heyne	Kondachantha	Tree
138		<i>Tamarindus indica</i> L.	Chinta	Tree
139	Capparaceae	<i>Cadaba fruticosa</i> (L.) Druce	Adamorinika, Vatharasi Chettu	Straggling Shrub
140		<i>Capparis sepiaria</i> L.	Nalla Uppi	Scandent Shrub
141		<i>Capparis zeylanica</i> L.	Adavinimma	Climbing Shrub
142		<i>Crateva magna</i> (Lour.) DC.	Uskia-man, Ulmidi	Tree
143	Caricaceae	<i>Caricaceae papaya</i>		Tree
144	Caryophyllaceae	<i>Polycarpaea corymbosa</i> (L.) Lam.		Herb
145	Casuarinaceae	<i>Casuarina equisetifolia</i> Forst. & Forst f.	Sarugudu	Tree
146	Celastraceae	<i>Maytenus emarginata</i> (Willd.)		Shrub
147		<i>Maytenus heyneana</i> (Roth) Raju & Babu	Guttichippati	Shrub
148		<i>Maytenus hookeri</i> Loes.		Shrub
149	Chenopodiaceae	<i>Chenopodium album</i> L.	Pappukura, Chakracarhi kura	Herb
150	Cleomaceae	<i>Cleome gynandra</i> L.	Vaminta	Herb
151		<i>Cleome monophylla</i> L.	Gaddi Vaminta	Herb
152		<i>Cleome simplicifolia</i> (Comb.) Hook. f. & Thoms.		Herb
153		<i>Cleome visocsa</i> L.	Kukkavaminta	Herb
154	Combretaceae	<i>Anogeissus latifolia</i> (Roxb. ex Dc.) Wall. ex Guill. & Perr.	Chiru-manu, Elama	Tree
155		<i>Terminalia alata</i> Heyne ex Roth	Nallamaddi, Inamaddi	Tree
156		<i>Terminalia arjuna</i> (Roxb. ex DC.) Waight & Arn.	Tellmaddi	Tree
157		<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Tandra	Tree

S.No.	Family	Scientific Name	Local Name	Habit
158		<i>Terminalia catappa</i> L.	Badam	Small Tree
159	Commelinaceae	<i>Commelina attenuata</i> J. Koenig ex Vahl		Herb
160		<i>Commelina benghalensis</i> L.	Yanadaku	Herb
161		<i>Commelina clavata</i> C.B. Clarke		Herb
162		<i>Commelina diffusa</i> Burm. F.		Herb
163		<i>Commelina erecta</i> L.		Herb
164		<i>Commelina hasskarlii</i> Clarke		Herb
165		<i>Commelina maculata</i> Edgew.	Kanjuna	Herb
166		<i>Cyanotis cristata</i> (L.) D. Don	Nethakina	Herb
167		<i>Cyanotis fasciculata</i> (Hwyne ex Roth) Schult. f.		Herb
168		<i>Cyanotis tuberosa</i> (Roxb.) Schult. & Schult. f.		Herb
169		<i>Tonningia axillaris</i> (L.) O. Kuntze		Herb
170		<i>Tonningia cucullata</i> (Roth) O. Kuntze		Herb
171	Convolvulaceae	<i>Convolvulus arvensis</i> L.		Twining Herb
172		<i>Evolvulus alsinoides</i> (L.) L.	Vishnukranthamu	Prostrate Herb
173		<i>Evolvulus nummularis</i> (L.) L.	Chitieluka, Cheiaku	Slender Herb
174		<i>Ipomoea aquatica</i> Forssk.	Thootikoora	Twining Herb
175		<i>Ipomoea dichroa</i> (Roem. & Schult.) Choisy		Twining Herb
176		<i>Ipomoea eriocarpa</i> R. Br.	Purititeega	Twining Herb
177		<i>Ipomoea nil</i> (L.) Roth	Kallivittllu	Twiner
178		<i>Ipomoea obscura</i> (L.) Ker- Gawl.		Twining Herb
179		<i>Ipomoea pes-tigridis</i> L.	Mekamadugu	Twining Herb
180		<i>Merremia aegyptia</i> (L.) Urban		Twining Herb
181		<i>Merremia ganetica</i> (L.) Cuf.	Yelakajeevaku	Twining Herb
182		<i>Rivea hypocrateriformis</i> (Desr.) Choisy	Bodditeega	Twining Herb
183		<i>Rivea ornata</i> Choisy	Peddabodditeega	Climbing Shrug
184	Cucurbitaceae	<i>Citrullus colocynthis</i> (L.) Schrad.	Verri Puccha	Trailing Herb
185		<i>Citrullus lanatus</i> (Thunb.) Mats. & Nakai	Pucchakaya	Trailing Herb
186		<i>Coccinia grandis</i> (L.) J.O. Voigt	Koki Donda, Dondateega	Prostrate Herb

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187		<i>Corallocarpus epigaeus</i> (Rottl. & Willd.) C.B. Clarke & Hook. f.	Murudonda	Climbing Herb
188		<i>Ctenolepis garcinii</i> (Burm. f.) C.B. Clarke	Gudimurah	Climber
189		<i>Cucumis callosus</i> (Rottl.) Cong.		Climbing Herb
190		<i>Cucumis melo</i> L.var. <i>melo sensu</i> Chakravarty	Budama teega	Trailing Herb
191		<i>Cucumis satvis</i> L.	Dosa	Climber
192		<i>Cucurbita maxima</i> Duch. ex Lam.	Gummadi	Twining Herb
193		<i>Lageneria leucantha</i> (Duch) Rusby.		Climber
194		<i>Luffa acutangula</i> (L.) Roxb.	Beera	Climber
195		<i>Luffa echiniata</i> Roxb.		Climber
196		<i>Momordica charantia</i> L.	Kakara	Climbing Herb
197		<i>Mukia maderaspatana</i> (L.) Roem.		Climber
198		<i>Trichosanthes cucumerina</i> L.	Potlakaya	Climber
199	Cyperaceae	<i>Cyperus articulatus</i> L.		Sedge
200		<i>Cyperus bulbosus</i> Vahl		Sedge
201		<i>Cyperus compressus</i> L.		Sedge
202		<i>Cyperus difformis</i> L.		Sedge
203		<i>Cyperus rotundus</i> L.	Shakhatunga veru, Tunga	Sedge
204		<i>Fimbristylis falcata</i> (Vahl) Kuntha		Sedge
205		<i>Fimbristylis ferruginea</i> (L.) Vahl		Sedge
206		<i>Juncellus alopecuroides</i> (Rottb.) Clarke in Hook. f.		Herb
207		<i>Juncellus pygmaeus</i> (Rottb.) Clarke in Hook. f.		Sedge
208		<i>Kyllinga bulbosa</i> Beauv.		Sedge
209	Dioscoreaceae	<i>Dioscorea bulbifera</i> L. var. <i>bulbifera</i>	Adavidumpa	Twiner
210	Ebenaceae	<i>Diospyros chloroxylon</i> Roxb.	Illinda, Nala Illinda	Tree
211		<i>Diospyros melanoxylon</i> Roxb.	Tumki	Tree
212	Ehretiaceae	<i>Cordia dichotoma</i> Forst. f.	Bankiriki	Tree
213		<i>Cordia gharaf</i> (Forssk.) Ehrenb.	Chinnabotuku	Small Tree
214		<i>Ehretia laevis</i> Roxb.	Pogadithe	Tree
215	Elatinaceae	<i>Bergia ammannioides</i> Roxb. ex Roth		Herb
216		<i>Bergia capensis</i> L.		Herb
217	Erythroxylaceae	<i>Erythroxylum monogymnum</i> Roxb.	Devadaru	Shrub

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218	Euphorbiaceae	<i>Acalypha ciliata</i> Forsk.	Tellamurupindi	Under Shrub
219		<i>Acalypha indica</i> L.	Muripinda, Kuppinta	Herb
220		<i>Acalypha lanceolata</i> Willd.		Herb
221		<i>Acalypha malabarica</i> Muell.-Arg.		Herb
222		<i>Croton bonplandianum</i> Baill.	Galivana chettu, Kukka mirapa	Under Shrub
223		<i>Croton klotzschianus</i> (Wt.) Thw.	Nelpalavemu	Shrub
224		<i>Euphorbia antiquorum</i> L.	Bommajemudu, Pedda jemudu	Small Tree
225		<i>Euphorbia caducifolia</i> Haines	Katte jemudu	Succulent Shrub
226		<i>Euphorbia heterophylla</i> L.		Herb
227		<i>Euphorbia heyneana</i> Spreng.	Alumu	Prostrate Herb
228		<i>Euphorbia hirta</i> L.	Reddyvari nanabalu	Herb
229		<i>Euphorbia ligularia</i> Roxb.	Aku-jemudu	Small Tree
230		<i>Euphorbia parviflora</i> L.		Herb
231		<i>Euphorbia rosea</i> Retz.		Prostrate Herb
232		<i>Euphorbia thymifolia</i> L.	Erra-chittipayalaku	Herb
233		<i>Euphorbia tirucalli</i> L.	Tirukalli	Succulent Shrub
234		<i>Givotia moluccana</i> (L.) Sreem	Tella Punki	Tree
235		<i>Jatropha curcas</i> L.	Adavi amudam	Shrub
236		<i>Jatropha gossypifolia</i> L.var. <i>elegans</i> (Pohl) Muell.	Seema nepalamu	Shrub
237		<i>Jatropha gossypifolia</i> L. var <i>Gossypifolia</i>	Nepalam	Shrub
238		<i>Phyllanthus amarus</i> Schum. & Thonn.	Nela usiri	Herb
239		<i>Phyllanthus emblica</i> L.	Pedda Usirika	Tree
240		<i>Phyllanthus maderaspatensis</i> L.	Nalla Usirika	Herb
241		<i>Phyllanthus reticulatus</i> Poir.	Nalla Purugudu	Shrub
242		<i>Phyllanthus virgatus</i> Forst. f.	Uchchi usirika	Herb
243		<i>Ricinus communis</i> L.	Amudam	Shrub
244		<i>Securinega leucopyrus</i> (Willd.) Muell. -Arg.	Tella purugudu	Shrub
245		<i>Securinega virosa</i> (Roxb. ex Willd.) Baillon	Sulamunata	Shrub
246	Fabaceae	<i>Abrus precatorius</i> L	Guruginija, Guruvenda	Twiner
247		<i>Alysicarpus hamosus</i> Edgew.		Herb

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248		<i>Alysicarpus longifolius</i> (Rottl. ex Spreng.) Wight & Arn.	Peddakandikarku	Herb
249		<i>Alysicarpus monilifer</i> (L.) DC.	Amera	Herb
250		<i>Alysicarpus vaginalis</i> (L.) DC.	Baramthaluchath	Herb
251		<i>Arachis hypogaea</i> L.	Verusanaga	Herb
252		<i>Butea monosperma</i> (Lam.) Taub.	Modugu	Tree
253		<i>Cajanus canjan</i> (L.) Millsp.	Kandi, Kandulu	Shrub
254		<i>Canavalia gladiata</i> (Jacq.) DC.	Thammakaya	Twining Shrub
255		<i>Clitoria ternatea</i> L.	Sankupoolu	Twining Herb
256		<i>Crotalaria medicaginea</i> Lam. var <i>medicaginea</i> Munk		Herb
257		<i>Crotalaria medicaginea</i> Lam. var <i>neglecta</i> (Wight & Arn.) Baker in Hook. f.		Herb
258		<i>Dalbergia latifolia</i> Roxb.	Jittegi, Chittegi	Tree
259		<i>Dalbergia paniculata</i> Roxb.	Patsaru	Tree
260		<i>Dalbergia sissoo</i> Roxb.	Sissoo	Tree
261		<i>Desmodium triflorum</i> (L.) DC.	Manthamandu	Herb
262		<i>Erythrina suberosa</i> Roxb.	Mulu moduga	Small Tree
263		<i>Galactia tenuiflora</i> (Klein ex Wild.) Wight & Arn.		Slender Climber
264		<i>Goniogyna hirta</i> (Willd.) Ali		Herb
265		<i>Indigofera cordifolia</i> Heyne ex		Herb
266		<i>Indigofera linifolia</i> (L.F.) Retz. var. <i>campbellii</i> Weight & Baker		Herb
267		<i>Indigofera linifolia</i> (L.F.) Retz. var. <i>linifolia</i>		Herb
268		<i>Indigofera linnaei</i> L.	Chalapachi	Herb
269		<i>Indigofera tinctoria</i> L.	Avuri	Under Shrub
270		<i>Pongamia pinnata</i> (L.) Pierre	Karanj	Tree
271		<i>Pterocarpus marsupium</i> Roxb.	Yegisa, Yegi	Tree
272		<i>Rhynchosia minima</i> (L.) DC.	Gaddichikku	Twining Herb
273		<i>Rhynchosia rothii</i> Benth.		Climbing Shrub
274		<i>Sesbania bispinosa</i> (Jacq.) W.F. Wight	Arrankigaddi	Shrub
275		<i>Sesbania sesban</i> (L.) Merrill	Jain, Ekad	Shrub
276		<i>Stylosanthes fruticosa</i> (Retz. Alston)		Under Shrub
277		<i>Tephrosia purpurea</i> (L.) Pers.	Uempali	Herb
278		<i>Tephrosia strigosa</i> (Dalz.) Sant. & Mahesh.		Spreading Herb

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279		<i>Tephrosia villosa</i> (L.) Pers.	Nuguvempali	Under Shrub
280		<i>Termnus labialis</i> (L.f.) Spreng.	Mashaparni	Twining Herb
281		<i>Vegna radiata</i> (L.) Wilczek Radiate	Pesalu	Herb
282		<i>Vigna radiata</i> (L.) Wilczek subsp. <i>sublobata</i> (Roxb.) Verdc.		Herb
283		<i>Vigna trilobata</i> (L.) Verd.	Pilli Pesara	Twining Herb
284		<i>Vinga unguiculata</i> (L.) Walp.	Alasandalu	Twining Herb
285		<i>Zornia diphylla</i> (L.) Pers.		Herb
286		<i>Zornia gibbosa</i> Span.	Uhunnali	Herb
287	Flacourtiaceae	<i>Casearia elliptica</i> Willd.	Chilaka duddi	Small Tree
288	Flindersiaceae	<i>Chloroxylon swietenia</i> DC.	Billu, Billudu	Small Tree
289	Gentianaceae	<i>Enicostema axillare</i> (Lam.) Raynal	Nelagolli, Midi, Nelagurudu	Herb
290	Hernandiaceae	<i>Gyrocarpus americanus</i> Jacq.		Tree
291	Hydrocharitaceae	<i>Hydrilla verticillata</i> (L.f.) Royle		Aquatic Herb
292	Hypoxidaceae	<i>Curculigo orchioides</i> Gaertn.	Nelathati	Herb
293	Lamiaceae	<i>Anisomeles indica</i> (L.) O. Kuntze	Ababeera	Herb
294		<i>Anisomeles molabarica</i> (L.) R. Br. ex Sims	Magabeera	Shrub
295		<i>Hyplis sauveolens</i> (L.) Point.	Simathulasi	Herb
296		<i>Leonotis nepetiifolia</i> (L.) R. Br.		Herb
297		<i>Leucas aspera</i> (Willd.) Link	Thummi	Herb
298		<i>Leucas biflora</i> (Vahl) R.Br.	Gobbi	Herb
299		<i>Leucas martinicensis</i> (Jacq.) R.	Peddathummi	Herb
300		<i>Leucas stricta</i> Benth.		Herb
301		<i>Leucas urticaefolia</i> (Vahl) R. Br.		Herb
302		<i>Ocimum americanum</i> L.	Kukkathulasi	Herb
303		<i>Ocimum basilicum</i> L. var <i>Basilicum</i>	Buthulasi	Herb
304		<i>Ocimum gratissium</i> L.	Nimmathulasi	Shrub
305		<i>Ocimum tenuiflorum</i> L.	Thulasi	Shrub
306		<i>Orthosiphon rubicundus</i> (D. Don) Benth. <i>Rubicundus</i>	Nela Thappidi	Herb
307		<i>Pogostemon mysuroides</i> (Roth) El Gazzar & L. Watson	Ratarugudu	Herb
308	Liliaceae	<i>Allium cepa</i> L.	Erragadda	Herb
309		<i>Aloe vera</i> (L.) Burm.	Kalabanda	Herb
310		<i>Asparagus racemosus</i> Willd.	Pilli Teegalu	Under Shrub

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311		<i>Chlorophytum tuberosum</i> (Roxb.) Baker	Safedmusli	Herb
312		<i>Dipcadi erythraeum</i> Webbl. & Berth.		Herb
313		<i>Depcadi montanum</i> (Dalz.) Baker.		Herb
314		<i>Gloriosa superba</i> L.		Herb
315		<i>Scilla hyacinthina</i> (Roth) Macbr.	Adiviulli	Herb
316	Loranthaceae	<i>Dendrophthoe falcata</i> (L.f) Ettingsh.	Badanika chettu, Bajinika, Jiddu, Yelinga	Parasite
317	Lythraceae	<i>Ammannia baccifera</i> L.	Agni Vendrapaku	Herb
318		<i>Lawsonia inermis</i> L.	Gorinta	Shrub
319	Magnoliaceae	<i>Michelia champaca</i> L.	Sampenga, Champakamu	
320	Malvaceae	<i>Abelmoschus esculentus</i> (L.) Monench.	Benda	Under Shrub
321		<i>Abutilon hirtum</i> (Lam.) Sweet	Palabenda	Under Shrub
322		<i>Abutilon indicum</i> (L.) Sweet Subsp. <i>Indicum</i>	Thuthuru benda, Erribenda	Under Shrub
323		<i>Gossypium hirsutum</i> L.		Under Shrub
324		<i>Hibiscus lobatus</i> (Murr.) O. Kuntze	Teliabenda	Herb
325		<i>Hibiscus ovalifolius</i> (Forssk.) Vahl	Nityamalli	Under Shrub
326		<i>Hibiscus rosa-sinensis</i> L.	Mandara	Shrub
327		<i>Hibiscus trionum</i> L.		Herb
328		<i>Malvastrum coromandelianum</i> (L.) Garcke		Under Shrub
329		<i>Pavonia ceratocarpa</i> Mast.		Herb
330		<i>Pavonia zeylanica</i> (L.) Cav.	Karubenda	Herb
331		<i>Sida acuta</i> Burm. f.	Nela boddi	Under Shrub
332		<i>Sida cordata</i> (Burm f.) Borssum	Gayapuaku	Under Shrub
333		<i>Sida cordifolia</i> L.	Chirubenda	Under Shrub
334		<i>Sida ovata</i> Forsk.	Medabirucaku	Under Shrub
335		<i>Sida rhombifolia</i> L.	Athibola	Herb
336		<i>Thespesia populnea</i> (L.) Soland. & Corr.	Gangaravi	Small Tree
337	Meliaceae	<i>Azadirachata indica</i> A. Juss.	Neem	Tree
338		<i>Melia azedarach</i> L.	Turaka vepa	Tree

S.No.	Family	Scientific Name	Local Name	Habit
339	Menispermaceae	<i>Cissampelos pareia</i> L. var. <i>hirsuta</i> (Buch – Ham. ex DC.) Forman	Adavi banka teega	Twiner
340		<i>Cocculus hirsutus</i> (L.) Diels	Dusaraputiga	Climbing Shrub
341		<i>Cocculus pendulus</i> (J.R. & G. Forst.) Diels		Climbing Shrub
342		<i>Tinospora cordifolia</i> (Willd.) Miers	Tippa teega	Woody Climber
343	Mimosaceae	<i>Acacia auriculiformis</i> Cunn. ex Benth.	Australiathunna	Tree
344		<i>Acacia caesia</i> (L.) Willd.	Yerra cheek	Shrub
345		<i>Acacia catechu</i> (L.f.) Willd.	Katha, Kath, Khair	Tree
346		<i>Acacia chundra</i> (Roxb. ex Rottler.) Willd.	Sandra	Tree
347		<i>Acacia leucophloea</i> (Roxb.) Willd.	Tellatamma	Tree
348		<i>Acacia nilotica</i> (L.) Willd. ex Del. Subsp <i>indica</i>	Nallatamma	Tree
349		<i>Acacia raddiana</i> Savi		Tree
350		<i>Acacia senegal</i> (L.) Willd.		Tree
351		<i>Acacia sinuta</i> (Lour.) Merr.	Shikakai	Climbing Shrub
352		<i>Acacia torta</i> (Roxb.) Craib		Shrub
353		<i>Albizia amara</i> (Roxb.) Boivin	Sigara	Tree
354		<i>Albizia lebbeck</i> (L.) Benth.	Baagi, Dirisena	Tree
355		<i>Albizia odoratissima</i> (L.f.) Benth. var <i>odoratissima</i>	Konda Sigara	Tree
356		<i>Albizia procera</i> (Roxb.) Benth.	Tella chinduga	Tree
357		<i>Dichrostachys cinerea</i> (L.) wight & Arn.	Velthuru	Shrub
358		<i>Leucaena leucocephala</i> (Lam.) De Wit		Shrub
359		<i>Mimosa hamata</i> Willd.		Shrub
360		<i>Pithecellobium dulce</i> (Roxb.) Benth.	Seemachirtha	Tree
361		<i>Prosopis chilensis</i> (Molina) Stuntz	Seemathumma	Small Tree
362	Molluginaceae	<i>Glinus lotoides</i> L.		Herb
363		<i>Glinus oppositifolius</i> (L.)DC.		Herb
364		<i>Molluga nudicaulis</i> Lam.		Herb
365		<i>Molluga pentaphylla</i> L.	Pichichatraku	Herb
366	Moraceae	<i>Ficus amplissima</i> Smith	Pedda Juvi	Tree
367		<i>Ficus benghalensis</i> L.	Marri, Pedda marri	Tree
368		<i>Ficus microcarpa</i> L.f.	Juvi, Konda Juvi, Verra-Juvi	Tree
369		<i>Ficus mollis</i> Vahl	Jivi, Kal-Juvi	Tree

S.No.	Family	Scientific Name	Local Name	Habit
370		<i>Ficus racemosa</i> L.	Medi, Atti	Tree
371		<i>Ficus religiosa</i> L.	Ravi, Ragi	Tree
372	Moringaceae	<i>Moringa concnensis</i> Nimmo ex Dalz. & Gibs.	Konda Munaga	Tree
373		<i>Moringa pterigosperma</i> Gaetn.	Munaga, Mulaga	Tree
374	Musaceae	<i>Musa paradisiaca</i> L.	Arali	Herb
375	Myrtaceae	<i>Callistemon viminalis</i> Cheel	Bottle Brush	Tree
376		<i>Eucalyptus globulus</i> Labill.	Nilgiri	Tree
377		<i>Psidium guajava</i> L.	Jama	Small Tree
378		<i>Syzygium cumini</i> (L.) Skeels	Neredu	Tree
379	Nyctaginaceae	<i>Boerhavia diffusa</i> L.	Atikamamidi	Herb
380		<i>Bougainvillea glabra</i> Choisy	Kagitham Poolu	Climber
381		<i>Bougainvillea spectabilis</i> Willd.	Kagitham Poolu	Climber
382		<i>Commicarpus chinensis</i> (L.) Heimerl	Teega Atikamamidi	Herb
383		<i>Commicarpus verticillatus</i> (Poir.) Standl.		Herb
384	Nymphaeaceae	<i>Nymphaea pubescens</i> Willd.	Kalva	Aquatic Herb
385	Oleaceae	<i>Jasminum angustifolium</i> Vahl.	Adavimalle, Srimalle, Lingamalle	Climbing Shrub
386		<i>Jasminum grandiflorum</i> L.	Chameli	Climbing Shrub
387		<i>Jasminum multiflorum</i> (Burm. f.) Andrews	Malle	Shrub
388	Onagraceae	<i>Ludwigia perennis</i> L.	Lavagakayamokka	Herb
389	Oxalidaceae	<i>Oxalis corniculata</i> L.	Poli Chintaku	Herb
390	Papaveraceae	<i>Argemone mexicana</i> L.	Yerrikusuma	Herb
391	Passifloraceae	<i>Passiflora foetida</i> L.	Tella Jumiki	Twiner
392	Pedaliaceae	<i>Martynia annua</i> L.		Herb
393		<i>Pedaliium murex</i> L.	Gnugupalluru, Peddapalleru	Herb
394	Polygonaceae	<i>Antigonon leptopus</i> Hook. & Arn.	Teegarosa	Climbing Shrub
395	Plumbaginaceae	<i>Plumbago zylanica</i> L.	Jigurumokka	Herb
396	Poaceae	<i>Acrachne racemosa</i> (Heyne ex Roem & Schult.) Ohwi		Grass
397		<i>Alloteropsis cimicina</i> (L.) Stspf		Grass
398		<i>Apluda mutica</i> L.		Grass
399		<i>Aristida adscensionis</i> L. var. <i>adscensionis</i>	Paraka Gaddi	Grass
400		<i>Aristida funiculata</i> Trin. & Rupr. var. <i>funiculata</i>		Grass
401		<i>Aristida hystrix</i> L.f.	Dollubagaddi	Grass

S.No.	Family	Scientific Name	Local Name	Habit
402		<i>Brachiaria distachya</i> (L.) Stapf.	Koranna gaddi	Grass
403		<i>Brachiaria ramosa</i> (L.) Stapf	Kduru gaddi	Grass
404		<i>Brachiaria reptans</i> (L.) C. Gardner & C.E. Hubbard		Grass
405		<i>Cenchrus biflorus</i> Roxb.		Grass
406		<i>Cenchrus ciliaris</i> L.	Bunch Grass	Grass
407		<i>Cenchrus setigerus</i> Vahl		Grass
408		<i>Chloris barbata</i> Sw.	Jadakuchulagaddi	Grass
409		<i>Chloris virgata</i> Sw.		Grass
410		<i>Chrysopogon fulvus</i> (Spreng.) Chioy.	Peddapala bogray gaddi	Grass
411		<i>Cymbopogon caesisus</i> (Hook. & Arn.) Stapf	Kasigaddi	Grass
412		<i>Cymbopogon coloratus</i> (Hook. f.) Stapf	Boda gaddi	Grass
413		<i>Cymbopogon jwarancusa</i> (Jones) Schult.		Grass
414		<i>Cymbopogon martinii</i> (Roxb.) Watson		Grass
415		<i>Cymbopogon nardu</i> (L.) Rendle var. <i>confertiflorus</i> (Steud.) Stapf	Ganjini	Grass
416		<i>Cynodon barberi</i> Rang. & Tad.	Kasuru Sannaetia	Grass
417		<i>Cynodon dactylon</i> (L.) Pers.	Garika gaddi	Grass
418		<i>Dactyloctenium aegyptium</i> (L.) Willd.	Nela Ragi	Grass
419		<i>Dendrocalamus strictus</i> (Roxb.) Nees	Sandanpuredru	Shrub
420		<i>Dichanthium annulatum</i> (Forsk.) Stapf.		Grass
421		<i>Dichanthium caricosum</i> (L.) A.		Grass
422		<i>Dichanthium filiculme</i> (Hook. f.) Jain et Deshp.		Grass
423		<i>Dichanthium pertusum</i> (L.) Clayton		Grass
424		<i>Digitaria ciliaris</i> (Retz.) Koel.		Grass
425		<i>Digitaria longiflora</i> (Retz.) Pers.		Grass
426		<i>Diplachne fusa</i> (L.) Beauv.		Grass
427		<i>Echinochloa colona</i> (L.) Link	Addagaddi	Grass
428		<i>Echinochloa crusgalli</i> (L.) P. Baeuv.	Peddawindu	Grass
429		<i>Eleusine coracana</i> (L.) Gaertn.	Ragi	Grass
430		<i>Eleusine indica</i> (L.) Gaertn.	Thipparagi	Grass
431		<i>Eragrostis ciliaris</i> (L.) R.Br. var <i>ciliaris</i>		Grass
432		<i>Eragrostis japonica</i> (Thunb.) Trin.		Grass
433		<i>Eragrostis minor</i> Host.	Goobbai gaddi	Grass

S.No.	Family	Scientific Name	Local Name	Habit
434		<i>Eragrostis tremula</i> (Lam.) Hochst. ex Steud.		Grass
435		<i>Eremopogon foveolatus</i> (Del.) Stapf.	Namalachetta	Grass
436		<i>Heteropogon contortus</i> (L.) P. Beauv. ex Roem. & Schult.	Kaserigaddi, Eddigaddi	Grass
437		<i>Melanocenchris jacquemontii</i> Jaub. & Spach.		Grass
438		<i>Oplismenus burmannii</i> (Retz.) P. Beauv.		Grass
439		<i>Oryza sativa</i> L.	Vadlu	Grass
440		<i>Panicum paludosm</i> Roxb.		Grass
441		<i>Panicum psilopodium</i> Trin.		Grass
442		<i>Paspalidium flavidum</i> (Retz.) Camus	Udagaddi	Grass
443		<i>Pennisetum americanum</i> (L.) Schum.	Sajjalu	Grass
444		<i>Perotis indica</i> (L.) O. Ktze.		Grass
445		<i>Phragmites karka</i> (Retz.) Trin. ex Steud. var <i>karka</i>	Kulpagaddi	Grass
446		<i>Saccharum spontaneum</i> L.	Kans	Grass
447		<i>Setaria intermedia</i> Roem. & Schult.	Avisa	Grass
448		<i>Setaria italica</i> (L.) Beauv.	Korralu	Grass
449		<i>Setaria pumila</i> (Poir.) Roem. & Schult.	Nakkathoka gaddi	Grass
450		<i>Setaria verticillata</i> (L.) P. Beauv.	Chikelnta	Grass
451		<i>Sorghum bicolor</i> (L.) Moench.	Jawar, Jowar	Grass
452		<i>Sporobolus coromandelianus</i> (Retz.) Kunth		Grass
453		<i>Sporobolus indicus</i> (L.) R.Br. var <i>diander</i>		Grass
454		<i>Sporobolus maderaspatanus</i> Bor		Grass
455		<i>Sporobolus spicatus</i> (Vahl) Kunth		Grass
456		<i>Tetrapogon tenellus</i> (Koen. ex Roxb.) Chiov.	Eruvangaddi	Grass
457		<i>Themeda triandra</i> Forssk.	Kallakasuru	Grass
458	Polygalaceae	<i>Polygala arvensis</i> Willd.	Khata	Herb
459		<i>Polygala chinensis</i> L.	Nelajanuma	Herb
460		<i>Polygala erioptera</i> DC.		Herb
461		<i>Polygala javana</i> DC.		Herb
462	Polygonaceae	<i>Polygonum barbatus</i> L. var. <i>barbatum</i>		Herb
463		<i>Polygonum glabrum</i> Willd. var. <i>glabrum</i>	Buradagogu	Herb
464		<i>Polygonum plebeium</i> R. Br.		Herb

S.No.	Family	Scientific Name	Local Name	Habit
465	Portulacaceae	<i>Portulaca oleracea</i> L. var. <i>linearifolia</i>	Pappukoora	Herb
466		<i>Portulaca oleracea</i> L. var. <i>oleracea</i>	Payalaku	Herb
467		<i>Portulaca pilosa</i> L. subsp. <i>pilosa</i>		Herb
468		<i>Portulaca quadrifida</i> L.	Sannapayalaku	Herb
469	Primulaceae	<i>Anagallis arvensis</i> L.		Herb
470	Rhamnaceae	<i>Ziziphus glabrata</i> Heyne ex Roth	Goti	Small Tree
471		<i>Ziziphus mauritiana</i> Lam. var. <i>fruticosa</i> (Haines) Sebasine & Balakr	Regu	Shrub
472		<i>Ziziphus mauritiana</i> Lam. var. <i>mauritiana</i>	Erra regu	Tree
473		<i>Ziziphus nummularia</i> (Burn. f.) Wight & Arn.	Nela regu	Shrub
474		<i>Ziziphus oenoplia</i> (L.) Miller	Pariki Kampa	Straggling Shrub
475		<i>Ziziphus xylopyrus</i> (Retz.) Willd.	Gotti, Gotika	Straggling Shrub
476	Rubiaceae	<i>Catunaregum spinosa</i> (Thunb.) Tirveng.	Manga	Shrub
477		<i>Hedyotis corymbosa</i> (L.) Lam.		Herb
478		<i>Hedyotis puberula</i> (G.Don) Arn.	Chriveru	Herb
479		<i>Ixora arborea</i> Roxb. ex J. E. Sm	Korivi	Small Tree
480		<i>Ixora coccinea</i> L.	Tellaramabbanamu	Shrub
481		<i>Ixora undulata</i> Roxb.		Shrub
482		<i>Mitragyna parvifolia</i> (Roxb.) Korth.	Batta genupu	Tree
483		<i>Sparmacoce articularis</i> L.f.	Madanaku	Herb
484		<i>Sparmacoce pusilla</i> Wall.	Pasanuri	Herb
485	Rutaceae	<i>Aegle marmelos</i> (L.) Corr	Maredu	Tree
486		<i>Atalantia monophylla</i> (L.) Correa	Yerra Munukud	Tree
487		<i>Citrus limon</i> (L.) Burm. f.	Nimbu	Tree
488		<i>Citrus medica</i> L.	Nimbu	Tree
489		<i>Murraya koenigii</i> (L.) Spreng.	Karepaku, Karivepaku	Shrub
490	Salvadoraceae	<i>Salvadora persica</i> L.	Waragu	Shrub
491	Santalaceae	<i>Santalum album</i> L.	Chandanam, Srigandham, Harichandanam	Tree
492	Sapindaceae	<i>Cardiospermum canescens</i> Wall.	Pedda, Pottuki Teega	Climbing Herb
493		<i>Cardiospermum halicacabum</i> L.	Buddakakara	Herb
494		<i>Dodonaea viscosa</i> (L.) Jacq.	Bandara, Bandaraku, Chettu	Shrub
495		<i>Sapindus emarginatus</i> Vahl	Kunkudu, Kookudu	Tree

S.No.	Family	Scientific Name	Local Name	Habit
496	Sapotaceae	<i>Manilkara hexandra</i> (Roxb.) Dub.	Pala	Tree
497		<i>Manilkara sapota</i> (L.) P. Royen	Cheeku	Tree
498	Scrophulariaceae	<i>Kickxia ramosissima</i> (Wall.) Janchen		Twining Herb
499		<i>Lindenbergia muraria</i> (Roxb. ex Don) P. Bruehl.		Herb
500		<i>Lindernia ciliata</i> (Colsm.) Pennell		Herb
501		<i>Striga angustifolia</i> (D.Don) Sald.	Ratibadanika	Herb
502		<i>Striga densiflora</i> (Benth.) Benth.		Herb
503		<i>Striga sulphurea</i> Dalz.		Herb
504	Simaroubaceae	<i>Ailanthus excelsa</i> Roxb.	Peddamanu, Peddavera	Tree
505	Solanaceae	<i>Capsicum annuum</i> L.	Chillies	Herb
506		<i>Capsicum frutescens</i> L.	Golkonda mirapa, Konda mirapa, Aggi mirapa	Shrub
507		<i>Datura innoxia</i> Mill.	Ummetta	Under Shrub
508		<i>Datura metel</i> L.	Ummetta, Nall ummetta	Under Shrub
509		<i>Lycopersicon esculentum</i> Mill.	Tomato	Herb
510		<i>Physalis minima</i> L.	Budama	Herb
511		<i>Solanum anguivi</i> Lam.	Mullavankaya	Under Shrub
512		<i>Solanum melongena</i> L.	Brinjal	Under Shrub
513		<i>Solanum melogena</i> L. var. <i>incanum</i> (L.) O. Kuntze.	Mullavankaya	Shrub
514		<i>Solanum pubescens</i> Willd.	Ushti chettu	Shrub
515		<i>Solanum surattense</i> Burm. f.	Ramamulaga, Rammolaka	Herb
516	Sterculiaceae	<i>Helicteres isora</i> L.	Gooba Tada, Malikaya	Small Tree
517		<i>Melhania incana</i> Heyne ex Wight & Arn.		Shrub
518		<i>Waltheria indica</i> L.	Pedda Adaci Kandi	Under Shrub
519	Tiliaceae	<i>Corchorus aestuans</i> L.	Nela beera	Herb
520		<i>Corchorus fascicularis</i> Lam.	Barekithuthora	Herb
521		<i>Corchorus olitorius</i> L.	Janumu	Herb
522		<i>Corchorus tridens</i> L.		Herb
523		<i>Corchorus trilocularis</i> L.	Bankaku	Herb
524		<i>Grewia abutilifolia</i> Vent. ex Juss.	Peddhatada	Small Tree
525		<i>Grewia flavescens</i> A. Juss.	Jana	Shrub
526		<i>Grewia hirsuta</i> Vahl	Kadurpandlu	Shrub
527		<i>Grewia orientalis</i> L.	Bampudu	Shrub

S.No.	Family	Scientific Name	Local Name	Habit
528		<i>Grewia tenax</i> (Forsk.) Fiori		Straggling Shrub
529		<i>Grewia tiliaefolia</i> Vahl	Charachi	Tree
530		<i>Triumfetta rhomboidea</i> Jacq.	Dhekki	Under Shrub
531		<i>Triumfetta rotundifolia</i> Lam.		Under Shrub
532	Typhaceae	<i>Typha angusta</i> Bory & Chaub.	Jammu	Herb
533	Ulmaceae	<i>Holoptelia intergrifolia</i> (Roxb.) Planch.	Nemalinara, Thapasi, Nauli	Tree
534	Verbenaceae	<i>Lantana camara</i> L. var. <i>aculeata</i>	Gabbuseeki	Shrub
535		<i>Lantana wightiana</i> Wall ex. Gamble		Shrub
536		<i>Phyla nodiflora</i> (L.) E.E. Greene	Bokkena, Mosalipappu	Herb
537		<i>Premna tomentosa</i> Willd.	Naguru, Narava	Small Tree
538		<i>Tectonia grandis</i> L.f.	Teku	Tree
539		<i>Vitex negundo</i> L.	Vavili	Shrub
540	Vitaceae	<i>Ampelocissus latifolia</i> (Roxb.) Planch		Climber
541		<i>Cayratia trifolia</i> (L.) Domin.	Edakula Mandulamari	Climbing Shrub
542		<i>Cissus quadrangularis</i> L.	Nalleru	Climbing Shrub
543		<i>Cissus repanda</i> Vahl	Bhansat	Climber
544	Zygophyllaceae	<i>Tribulus terrestris</i> L.	Palleru	Herb

Annexure 2
Mammals of Bagepalli area

S.No.	Family	Species	Common Name
1	Suidae	<i>Sus scrofa</i> (Linnaeus, 1758)	Wild Pig
2	Canidae	<i>Canis aureus</i> (Linnaeus, 1758)	Jackal
3	Felidae	<i>Prionailurus rubiginosus</i>	Rusty Spotted Cat
4		<i>Felis chaus</i> (Schreber, 1777)	Jungle Cat
5	Herpestidae	<i>Herpestes edwardsi</i>	Grey Mongoose
6	Manidae	<i>Manis crassicaudata</i> (Gray, 1827)	Indian Pangolin
7	Leporidae	<i>Lepus nigricollis</i> (F.Cuvier, 1823)	Indian Hare
8	Hystricidae	<i>Hystrix indica</i> (Kerr, 1792)	Indian Porcupine
9	Sciuridae	<i>Funambulus palmarum</i>	Three-striped Palm Squirrel
10	Muridae	<i>Tatera indica</i> (Hardwicke, 1807)	Indian Gerbil
11		<i>Mus booduga</i> (Gray, 1837)	Little Indian Field Mouse

Annexure 3
Birds of Bagepalli area

S.No.	Family	Genus	Common Name
1	Phasianidae	<i>Francolinus pondicerisnus</i>	Grey Francolin
2		<i>Coturnix coromandelica</i>	Rain Quail
3		<i>Perdica asiatica</i>	Jungle Bush Quail
4		<i>Pavo cristatus</i>	Indian Peafowl
5	Anatidae	<i>Anas poecilorhyncha</i>	Spot-billed Duck
6	Turnicidae	<i>Turnix tanki</i>	Yellow-legged Buttonquail
7		<i>Turnix suscitator</i>	Barred Buttonquail
8	Picidae	<i>Dinopium benghalense</i>	Black-rumped Flameback
9	Megalaimidae	<i>Megalaima haemacephala</i>	Coppersmith Barbet
10	Bucerotidae	<i>Ocyrceros birostris</i>	Indian Grey Hornbill
11	Upupidae	<i>Upupa epops</i>	Common Hoopoe
12	Coraciidae	<i>Coracias benghalensis</i>	Indian Roller
13	Halcyonidae	<i>Halcyon smyrnensis</i>	White-throated Kingfisher
14	Meropidae	<i>Merops orientalis</i>	Green Bee-eater
15		<i>Merops philippinus</i>	Blue-tailed Bee-eater
16	Cuculidae	<i>Clamator jacobinus</i>	Pied Cuckoo
17		<i>Hierococcyx varius</i>	Common Hawk Cuckoo
18		<i>Cacomantis sonneratii</i>	Banded Bay Cuckoo
19		<i>Cacomantis passerinus</i>	Grey-bellied Cuckoo
20		<i>Cacomantis merulinus</i>	Plaintive Cuckoo
21		<i>Eudynamys scolopacea</i>	Asian Koel
22		<i>Phaenicophaeus leschenaultii</i>	Sirkeer Malkoha
23		<i>Phaenicophaeus viridirostris</i>	Blue-faced Malkoha
24	Centropodidae	<i>Centropus sinensis</i>	Greater Coucal
25	Psittacidae	<i>Psittacula krameri</i>	Rose-ringed Parakeet
26		<i>Psittacula cyanocephala</i>	Plum-headed Parakeet
27	Apodidae	<i>Cypsiurus balasiensis</i>	Asian Palm Swift
28	Strigidae	<i>Ketupa zeylonensis</i>	Brown-Fish Owl
29		<i>Glaucidium radiatum</i>	Jungle Owlet
30		<i>Athene brama</i>	Spotted Owlet
31	Caprimulgidae	<i>Caprimulgus indicus</i>	Grey Nightjar
32		<i>Caprimulgus asiaticus</i>	Indian Nightjar
33	Columbidae	<i>Columba livia</i>	Rock Pigeon
34		<i>Streptopelia senegalensis</i>	Laughing Dove
35		<i>Streptopelia decaocto</i>	Eurasian Collared Dove
36	Scolopacidae	<i>Tringa glareola</i>	Wood Sandpiper
37	Charadriidae	<i>Vanellus indicus</i>	Red-wattled Lapwing
38	Accipitridae	<i>Elanus caeruleus</i>	Black-shouldered Kite
39		<i>Circaetus gallicus</i>	Short-toed Snake-Eagle
40		<i>Accipiter badius</i>	Shikra

S.No.	Family	Genus	Common Name
41		<i>Butastur teesa</i>	White-eyed Buzzard
42		<i>Auila rapax</i>	Tawny Eagle
43	Podicipedidae	<i>Tachybaptus ruficollis</i>	Little Grebe
44	Phalacrocoracidae	<i>Phalacrocorax niger</i>	Little cormorant
45		<i>Phalacrocorax fuscicollis</i>	Indian Cormorant
46	Laniidae	<i>Lanius isabellinus</i>	Rufous-tailed Shrike
47		<i>Lanius vittatus</i>	Bay-backed Shrike
48		<i>Lanius schach</i>	Long-tailed Shrike
49		<i>Lanius meridionalis</i>	Southern Grey Shrike
50	Corvidae	<i>Dendrocitta vagabunda</i>	Rufous Treepie
51		<i>Corvus splendens</i>	House Crow
52		<i>Corvus macrorhynchos</i>	Large-bellied Crow
53		<i>Pericrocotus cinnamomeus</i>	Small Minivet
54		<i>Dicrurus macrocercus</i>	Black Drongo
55		<i>Dicrurus caeruleus</i>	White-bellied Drongo
56		<i>Aegithina tiphia</i>	Common Iora
57		<i>Aegithina nigrolutea</i>	Marshall's Iora
58		<i>Tephrodornis pondicerianus</i>	Common Woodshrike
59	Muscicapidae	<i>Saxicoloides fulicata</i>	Indian Robin
60		<i>Saxicola caprata</i>	Pied Bushchat
61	Sturnidae	<i>Sturnus pagodarum</i>	Brahminy Starling
62		<i>Acridotheres tristis</i>	Common Myna
63	Hirundinidae	<i>Hirundo rustica</i>	Barn Swallow
64		<i>Hirundo daurica</i>	Red-rumped Swallow
65	Pycnonotidae	<i>Pycnonotus cafer</i>	Red-vented Bulbul
66		<i>Pycnonotus luteolus</i>	White-browed Bulbul
67	Cisticolidae	<i>Cisticola juncidis</i>	Zitting Cisticola
68		<i>Prinia hodgsonii</i>	Grey-breasted Prinia
69		<i>Prinia sylvatica</i>	Jungle Prinia
70		<i>Prinia socialis</i>	Ashy Prinia
71		<i>Prinia inornata</i>	Plain Prinia
72	Sylviidae	<i>Acrocephalus dumetorum</i>	Blyth's Reed-Warbler
73		<i>Orthotomus sutorius</i>	Common Tailorbird
74		<i>Dumetia hyperythra</i>	Tawny-bellied Babbler
75		<i>Chrysomma sinenses</i>	Yellow-eyed Babbler
76		<i>Turdoides affinis</i>	Yellow-billed Babbler
77		<i>Turdoides caudatus</i>	Common Babbler
78		<i>Turdoides malcolmi</i>	Large Grey Babbler
79	Alaudidae	<i>Mirafra cantillans</i>	Singing Bush-Lark
80		<i>Mirafra erythroptera</i>	Indian Bush-Lark
81		<i>Mirafra affinis</i>	Jerdon's Bushlark
82		<i>Eremopterix grisea</i>	Ashy-crowned Sparrow Lark

S.No.	Family	Genus	Common Name
83		<i>Ammomanes phoenicurus</i>	Rufous-tailed Lark
84		<i>Galerida cristata</i>	Crested Lark
85		<i>Alauda gulgula</i>	Oriental Skylark
86	Nectariniidae	<i>Dicaeum erythrorhynchos</i>	Pale-billed Flowerpecker
87		<i>Nectarinia asiatica</i>	Purple Sunbird
88		<i>Nectarinia zeylonica</i>	Purple-rumped Sunbird
89	Passeridae	<i>Passer domesticus</i>	House Sparrow
90		<i>Anthus rufulus</i>	Paddyfield Pipit
91		<i>Ploceus philippinus</i>	Baya Weaver
92		<i>Lonchura malabarica</i>	Indian Silverbill
93		<i>Lonchura punctulata</i>	Scaly-breasted Munia

Annexure 4
Herpetofauna of Bagepalli area

S.No.	Family	Species	Common Name
1	Rhacophoridae	<i>Rhacophorus maculatus</i>	Common Tree Frog
2	Ranidae	<i>Euphlyctis cyanophlyctis</i> (Schneider, 1799)	Skittering Frog
3		<i>Sphaerotheca breviceps</i> (Schneider, 1799)	Indian Burrowing Frog
4		<i>Limnonectes limnocharis</i> (Gravenhorst, 1799)	Indian Cricket Frog
5		<i>Hoplobatrachus tigerinus</i> (Daudin)	Indian Bull Frog
6	Gekkonidae	<i>Hemidactylus maculatus</i>	Spotted Rock Gecko
7		<i>Hemidactylus triedrus</i>	Termite-hill Gecko
8	Agamidae	<i>Psammophilus dorsalis</i>	South Indian Rock Agama
9		<i>Calotes versicolor</i> (Daudin, 1802)	Indian Garden Lizard
10		<i>Sitana ponticeriana</i> (Cuvier, 1844)	Fan Throated Lizard
11	Scincidae	<i>Lygosoma punctata</i> (Linnaeus, 1766)	Spotted Supple Skink
12		<i>Eutropis carinata</i> (Schneider, 1801)	Common Keeled Grass Skink
13		<i>Eutropis macularia</i> (Blyth, 1853)	Eastern Bronze Skink
14	Lacertidae	<i>Ophisops leschenaultii</i> (Blanford, 1870)	Leschenault's Lacerta
15	Varanidae	<i>Varanus bengalensis</i> (Linnaeus, 1758)	Common Indian Monitor
16	Colubridae	<i>Ahaetulla nasuta</i>	Common Vine Snake
17		<i>Ptyas mucosa</i> (Linnaeus, 1758)	Indian Rat Snake
18	Elapidae	<i>Naja Naja</i> (Linnaeus, 1758)	Spectacled Cobra

Annexure 5
Butterflies of Bagepalli area

S.No.	Family	Scientific Name	Common Name
1	Hesperiidae	<i>Spialia galba</i>	India Skipper
2		<i>Taractrocera maevius sagara</i>	Common Grass Dart
3	Coliadinae	<i>Badamia exclamationis</i>	Brown Awl
4		<i>Hasora chromus</i>	Common Banded Awl
5	Papilionidae	<i>Pachliopta hector</i>	Crimson Rose
6		<i>Princeps demoleus</i>	Lime Butterfly
7		<i>Papilio polytes</i>	Common Mormon
8	Pieridae	<i>Pieris canidia indica</i>	Indian Cabbage White
9		<i>Anapheis aurota aurota</i>	Pioneer
10		<i>Delias eucharis</i>	Common Jezebel
11		<i>Ixias pyrene</i>	Yellow Orange-tip
12		<i>Colotis etrida</i>	Small Orange-tip
13		<i>Colotis danae</i>	Crimson Tip
14	Coliadinae	<i>Catopsilia pomona</i>	Common Emigrant
15		<i>Catopsilia pyranthe</i>	Mottled Emigrant
16		<i>Dercas lycoris lycoris</i>	Plain Sulphur
17		<i>Eurema brigiita rubella</i>	Small Grass Yellow
18		<i>Eurema andersoni andersoni</i>	One-spot Grass Yellow
19	Lycaenidae	<i>Jamides celeno</i>	Common Cerulean
20		<i>Euchrysops cnejus</i>	Gram Blue
21		<i>Zizula hylax</i>	Tiny Grass Blue
22	Lycaeninae	<i>Tarucus nara</i>	Rounded Pierrot
23	Nymphalidae	<i>Phalanta phalantha</i>	Common Leopard
24		<i>Precis hierta magna</i>	Yellow Pansy
25		<i>Precis orithya ocyale</i>	Blue Pansy
26		<i>Precis lemonias lemonias</i>	Lemon Pansy
27		<i>Precis almona almanoa</i>	Peacock Pansy
28		<i>Hypolimnas misippus</i>	Danaid Eggfly
29		<i>Hypolimnas bolina</i>	Great Eggfly
30		<i>Symphaedra nais</i>	Baronet
31		<i>Ariadne merione assama</i>	Common Castor
32	Acraeinae	<i>Acraea violae</i>	Tawny Coster
33	Danainae	<i>Parantica aglea melanoides</i>	Glassy Tiger
34		<i>Danaus (Salathura) genutia</i>	Common Tiger
35		<i>Danaus (Anosia) chrysippus</i>	Plain Tiger
36		<i>Euploea core</i>	Common Crow
37		<i>Tirumala limniace leopardus</i>	Blue Tiger
38	Satyrine	<i>Ypthima asterope maharatta</i>	Common Three-ring
39	Heliconinae	<i>Bybila lithiya</i>	Joker

Annexure 6
Spiders of Bagepalli area

S.No.	Family	Scientific Name
1	Uloboridae	<i>Uloborus krishnae</i>
2	Pholcidae	<i>Crossopriza iyoni</i>
3	Salticidae	<i>Zygoballus spp.</i>
4		<i>Plexippus javkulli</i>
5		<i>Plexippus paykullii</i>
6		<i>Marpissa tiarina</i>
7	Thomisidae	<i>Thomisus pugilis</i>
8	Theridiidae	<i>Latrodectus hasseltii</i>
9	Lycosidae	<i>Hippasa spp.</i>
10		<i>Hippasa lycosidae</i>
11		<i>Pardosa birmanica</i>
12		<i>Pardosa spp.</i>
13		<i>Lycosa mahabaleshwarsensis</i>
14		<i>Lycosa spp.</i>
15	Araneidae	<i>Argiope aemula</i>
16		<i>Neoscona theis</i>
17		<i>Neoscona nautica</i>
18	Linyphidae	<i>Galeodes spp.</i>
19		<i>Nephila spp.</i>
20		<i>Pisaurina spp.</i>
21	Homalonychidae	<i>Homalonychus joyaus</i>
22	Barychelidae	<i>Sason cinctipes</i>
23	Ctenizidae	<i>Acanthodon spp.</i>
24	Psechridae	<i>Psechrus nicobarensis</i>
25	Dinopidae	<i>Dinopis goalparensis</i>
26	Loxoscelidae	<i>Loxoscelis indrabeles</i>
27	Heteropodidae	<i>Heteropoda venatoria</i>

Annexure 7

Lower Plant of Bagepalli area

S.No.	Family	Scientific Name
	Mushrooms	
1	Agaricaceae	<i>Agaricus spp</i>
2	Coprinace	<i>Coprinus lagopus</i>
3	Coprinace	<i>Coprinus spp</i>
4	Ganodermataceae	<i>Ganoderma lucidum</i>
5	Agaricaceae	<i>Lapiota procera</i>
6	Lycoperdaceae	<i>Lycoperdon spp</i>
7	Polyporaceae	<i>Polypores squamosus</i>
	Bryophytes	
1	Bryaceae	<i>Bryum argentem Hedw.</i>
2	Berycaceae	<i>Bryum spp</i>
3	Bartramiaceae	<i>Philonotis mollis (Doz. & Molk)</i>
4	Ricciaceae	<i>Riccia billardieri Mont.</i>
5	Ricciaceae	<i>Riccia gangetica Ahmad.</i>
6	Ricciaceae	<i>Riccia spp</i>
	Pteridophytes	
1	Actinopteridaceae	<i>Actiniopteris radiata (Swartz.) Link</i>
2	Adiantaceae	<i>Adiantum incisum Forsk.</i>
3	Adiantaceae	<i>Adiantum spp</i>
4	Lycopodiaceae	<i>Lycopodium spp</i>
5	Marsileaceae	<i>Marsilea quadrifolia</i>



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