

FINAL PROJECT REPORT Date: 29th February, 2016

Title: DOCUMENTATION, COLLECTION AND PRESERVATION OF BIODIVERSITY OF TEZPUR UNIVERSITY

Funding Agency-TEZPUR UNIVERSITY Ref.: DoRD/Project/10-10/4295-A, Dtd.04.03.2014

Submitted By

DR. ASHALATA DEVI, PhD Associate Professor & PI Dept. of Env. Sc. Tezpur University Napaam-784028

JINTU SARMA Co-PI Dept. of Env. Sc. Tezpur University Napaam-784028

INTRODUCTION

The understanding of the importance of biodiversity has developed in the 20 years since the report of the World Commission on Environment and Development (Brundtland Commission). Assam as a part of north-eastern region of India falls under Biodiversity Hotspot region. Hence, we have enormous scope for inventorization, documentation, conservation and protection of biodiversity.

In the present context the main concern is the human threats to biodiversity loss. Any form of anthropogenic activities impaired the balance to nature, however nature has its own resistance and resilience capacity to cope up stress within the carrying capacity. But the degree of disturbance is found to be higher than the carrying capacity then lead to imbalance nature or ecosystem.

Keeping, the usefulness and richness of the Biodiversity of TU, the present project was carried out to explore the diversity of the life forms. During 2014-2016, various field study was carried out in the campus. The specimens were identified in consultation with different authenticate literature.

| TREE | 87 |
|-------------------|-----|
| SHRUBS | 33 |
| CLIMBER | 15 |
| HERBS AND GRASSES | 61 |
| BAMBOO | 8 |
| PALM | 14 |
| FERN | 4 |
| ORCHID | 23 |
| GYMNOSPERMS | 10 |
| Grand Total | 255 |

SUMMARY OF THE RESULT:

Table 1: Summary of the plant species recorded during the project

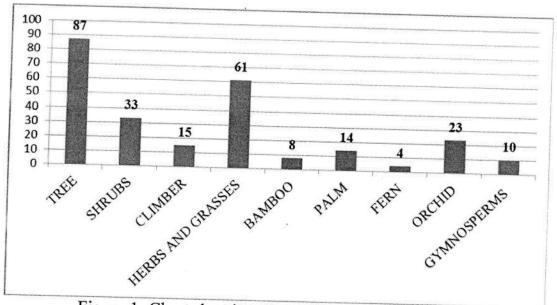


Figure 1: Chart showing different category of species.

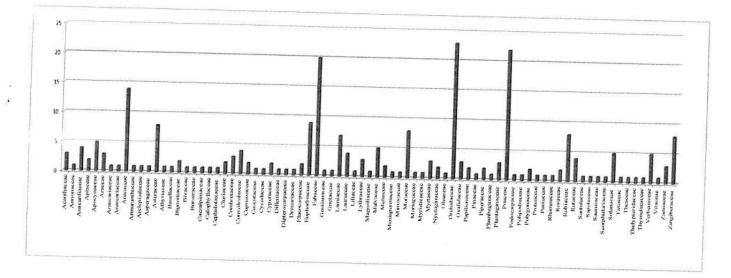


Figure 2: Chart showing Family wise species distribution.

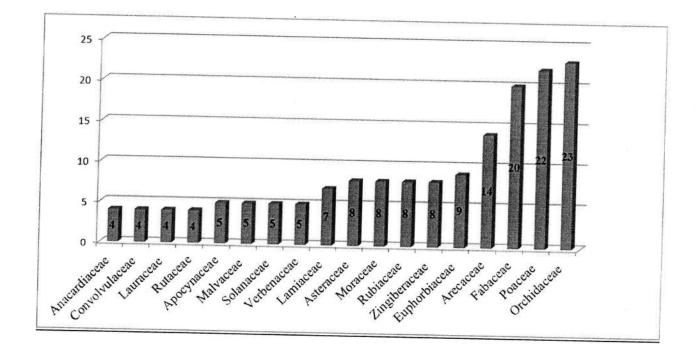
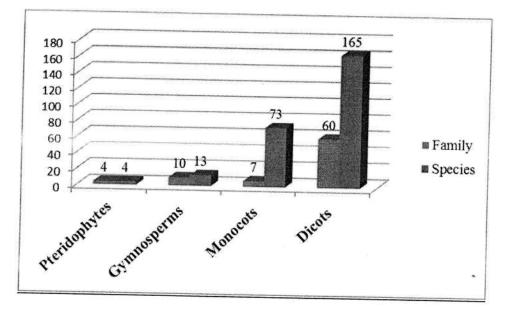
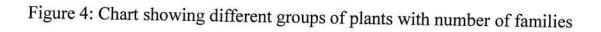


Figure 3: Chart showing dominant Family with representing species.





DETAILED LIST OF PLANT SPECIES RECORDED FROM TU CAMPUS DURING 2014-2016 UNDER TEZPUR UNIVERSITY BIODIVERSITY PROJECT

✓ TREE

| Sl. | vernacular name | Scientific name | Family |
|-----|-----------------|-------------------------------------|---------------|
| No. | (Assamese) | | - |
| 1. | Acacia | Acacia crassicarpa A.Cunn.ex Benth. | Fabaceae |
| 2. | Ku sandan | Adenanthera pavonina L. | Fabaceae |
| 3. | Bel | Aegle marmelos (L.) Corr. | Rutaceae |
| 4. | Sou Siris | Albizia chinensis (Osbeck) Merr. | Fabaceae |
| 5. | Sirish | Albizia lebbeck (L.)Benth. | Fabaceae |
| 6. | Sirish | Albizia procera (Roxb.)Benth. | Fabaceae |
| 7. | Sationa | Alstonia scholaris (L.)R. Br. | Apocynaceae |
| 8. | Kajubadam | Anacardium occidentale L. | Anacardiaceae |
| 9. | Kodom | Anthocephalus cadamba (Roxb.)Miq. | Rubiaceae |
| 10. | Sasi (Agarwood) | Aquilaria malaccensis Lamk. | Thymelaeaceae |
| 11. | Christmas tree | Araucaria cookii R. Br. ex D. Don. | Araucariaceae |
| 12. | Kothal | Artocarpus heterophylius Lam. | Moraceae |
| 13. | Dewa/bohot | Artocarpus lacucha Hom. | Moraceae |
| 14. | Kordoi | Averrhoa carambola L. | Oxalidaceae |
| 15. | Mohanim | Azardirachta indica A. Juss. | Rutaceae |
| 16. | Leteku | Baccaurea sapida (Roxb.) Muell.Arg. | Euphorbiaceae |
| 17. | Ronga kanchan- | Bauhinia purpurea L. | Fabaceae |
| 18. | Boga Kanchan- | Bauhinia variegata L. | Fabaceae |
| 19. | Uriam | Bischofia javanica Bl. | Euphorbiaceae |
| 20. | Sendur | Bixa orellana L. | Bixaceae |
| 21. | Simalu | Bombax ceiba L. | Fabaceae |
| 22. | Dhuna | Boswellia Serrata Roxb. ex Colebr. | Burseraceae |
| 23. | Kuhir | Bridelia retusa (L.) A. Juss. | Euphorbiaceae |
| 24. | Palas | Butea monosperma (Lam.) Taub. | Fabaceae |
| 25. | Saah (Tea) | Camellia sinensis (L.O.) Kuntze | Theaceae |
| 26. | Yellow Cassia | Cassia biflora L. | Fabaceae |
| 27. | Sonaru | Cassia fistula L. | Fabaceae |
| 28. | Radhachura | Cassia javanika L. | Fabaceae |

| 29. | | Cedrela toona Roxb.ex Willd.var. australis (F.Muell.)C.DC. | Meliaceae |
|-----|-----------------|---|----------------------------------|
| 30. | | Cinnamomum tamala (Hamilt) Nees et Brem. | Lauraceae |
| 31. | | Cinnamomum verum J. Presl | Lauraceae |
| 32. | | Coffea arabica L. | Rubiaceae |
| 33. | Sisu | Dalbergia sissoo Roxb. | Fabaceae |
| 34. | Krishnachura | Delonix regia (Boj.ex Hook.)Raf. | Fabaceae |
| 35. | Ow-tenga | Dillenia indica L. | Dilleniaceae |
| 36. | Jalphai | Elaeocarpus floribundus Blume | |
| 37. | Rudrakh | Elaeocarpus ganitrus Roxb. ex G.Don. | Elaeocarpaceae Elaeocarpaceae |
| 38. | Amlokhi | Emblica officinalis Geartn. | |
| 39. | Rakta madar | Erythrina indica Lam. | Euphorbiaceae Fabaceae |
| 40. | Bor-goch | Ficus benghalensis L. | Moraceae |
| 41. | Atha bor | Ficus elastica Roxb. | Moraceae |
| 42. | Jagya Dimaru | Ficus glomerata Roxb. | |
| 43. | Dimaru | Ficus hirta Bahl. | Moraceae |
| 44. | Ahot | Ficus religiosa L. | Moraceae |
| 45. | Kuji Thekera | Garcinia cowa Roxb.ex DC | Moraceae |
| 46. | Bor Thekera | Garcinia pedunculata Roxb. | Cluusiaceae |
| 47. | Gomari | Gmelina areborea Roxb. Ex Sm. | Cluusiaceae |
| 48. | Silver Oak tree | Grevillea robusta <u>A.Cunn.</u> ex <u>R.Br.</u> | Verbenaceae |
| | Robor(Rubber) | Hevea brasiliensis | Proteaceae |
| 49. | | (Willd. ex A.Juss.) Mull.Arg. | Euphorbiaceae |
| 50. | Ajar | Lagerstroemia speciosa (L.)Pers. | Lythraceae |
| 51. | Jia/Jigar | Lannea coromandelica (Houtt.) Merr. | Anacardiaceae |
| 52. | Soalu | Litsea monopetala (Roxb.) Pers. | Lauraceae |
| 53. | Pokabandha | Macaranga denticulata (Blume) Mull. Arg. | Euphorbiaceae |
| | | Mangifera indica L. | A 11 |
| | ~ | Melia azedarach L. | Anacardiaceae |
| | | Mesua ferrea L. | Meliaceae |
| | | Michelia champaca L. | Calophyllaceae |
| | D 1 1 | Michella champaca L. Mimusops elengi L. | Magnoliaceae |
| | | | Sapotaceae |
| | | Moringa oleifera Lam. | Moringaceae |
| | | Murraya paniculata L. | Rutaceae |
| 61. | (indiffed) | Myristica fragrans Houtt. | Myristicaceae |

| 62. | | Oroxylum indicum (L.) Kurz | Bignoniaceae |
|--------------|-----------------------------|---|----------------------|
| 63. | 0 | Pajanelia longifolia (Willd.)Schum. | Bignoniaceae |
| 64. | Yellow Gul Mohar | Peltophorum inerme (Roxb.) Naves ex Fernandez-Villar | Fabaceae |
| 65. | Madhuri aam | Psidium guajava L. | Myrtaceae |
| 66. | Bonsom | Phoebe goalparensis Hutch. | Lauraceae |
| 67. | Rakta Chandan | Pterocarpus santlalinus L.f. | Palilionaceae |
| 68. | Naspoti (Pear) | Pyrus communis L. | Rosaceae |
| 69. | Aapel (Apple) | Pyrus malus L. | Rosaceae |
| 70. | Bilati sirish /Rain tree | Samanea saman (Jecq.)Merr. | Fabaceae |
| 71. | Boga Chandan | Santalum album L. | Santalaceae |
| 72. | Saal | Shorea robusta Gaertn. | Dipterocarpaceae |
| 73. | Amora | Spondius pinnata (L.f.) Kurz. | Anacardiaceae |
| 74. | Udal | Sterculia villosa Roxb. | Malvaceae |
| 75. | Kharua | Streblus asper Lour. | Moraceae |
| 76. | Kala-jamu | Syzygium cumini (L.) Skeels. | Myrtaceae |
| 77. | Teteli (Tamarind) | Tamarindus indica L. | Fabaceae |
| 78. | Segun | Tectona grandis L.f. | Verbenaceae |
| | Arjun | Terminalia arjuna Roth. | Combretaceae |
| | Silikha | Terminalia chebula (Gaertn.) Tetz. | Combretaceae |
| 81. | Halakh | <i>Terminalia myriocarpa</i> Van Heurck & Müll. Arg. | Combretaceae |
| | Bogori | Ziziphus jujuba Mill. | Phompagas |
| | Robab tenga | Citrus decumana L | Rhamnaceae |
| 84. | Sewali | Nyctanthes arbor-tristis L. | Rutaceae Oleaceae |
| 35. I | Lemon Bay Rum | Pimenta racemosa (Mill.) J.W.Moore | |
| 36. <i>I</i> | Ashok | Saraca asoca (Roxb)de Willde | Myrtaceae |
| 37. 1 | Karabi | Cascabela thevetia (L.) Lippold | Caesalpiniaceae |

SHRUBS

| Sl no | Vern name | Botanical name | Family |
|-------|-----------|----------------|--------|
| | | | |

| 1. | | | |
|------------|---|--|---------------|
| | Kosturi vendi | Abelmoschus manihot (L.) Medik. | Malvaceae |
| 2. | Nephaphu | Chlerodendron kolebrookianum Walp. | Verbenaceae |
| 3. | Duranta | Duranta erecta L. | Verbenaceae |
| 4. | Elachi | Elettaria cardamomum (L.) Maton | Zingiberaceae |
| 5. | Makhioti | Flemingia strobilifera (L.)W.T. Aiton. | Fabaceae |
| 6. | Tagar | Gardenia jasminoides J.Ellis. | Rubiaceae |
| 7. | Rose of Sharon | Hibiscus syriacus L. | Malvaceae |
| 8. | Joba | Hibiscus rosa-synansia L. | Malvaceae |
| 9. | Kutaj | Holarrhena antidysenterica Wall. | Apocynaceae |
| 10. | Rangun | Ixora coccinea L. | Rubiaceae |
| 11. | Juniperus | Juniperus chinensis L. | Cupressaceae |
| 12. | May flower (White) | Lagerstroemia Indica (L.)Pers. | Lythraceae |
| 13. | Chengamora | Lasia spinosa (L.).Thw. | Araceae |
| 14. | Jetuka(Henna) | Lawsonia inermis L. | Lythraceae |
| 15. | Mussaenda(Dark | Mussaenda erythrophylla Schum. & | Rubiaceae |
| | Pink) | Thonn. | |
| 16. | Mussaenda | Museum da and 1 11 C 1 | |
| | wiussaenua | Mussaenda erythrophylla Schum. & | Rubiaceae |
| | (dark red) | Thonn. | Rubiaceae |
| 17. | | | Rubiaceae |
| | (dark red) | Thonn. | |
| | (dark red) Mussaenda | Thonn. Mussaenda philllipica A.Rich. var. | |
| 17. | (dark red) Mussaenda (White) | Thonn. <i>Mussaenda phillipica</i> A.Rich. var. <i>aurora</i> Suilt. | Rubiaceae |
| 17. | (dark red) Mussaenda (White) | Thonn. <i>Mussaenda phillipica</i> A.Rich. var. <i>aurora</i> Suilt. <i>Phlogacanthus thrysiformis</i> (Harsdow.) | Rubiaceae |
| 17. 18. | (dark red) Mussaenda (White) Tita Phul | Thonn. <i>Mussaenda phillipica</i> A.Rich. var. <i>aurora</i> Suilt. <i>Phlogacanthus thrysiformis</i> (Harsdow.) Mabb | Rubiaceae |

| 22. | Sarpagandha | Rauvolfia serpentina (L.) Benth. ex Kurz | Apocynaceae |
|-----|-------------|---|----------------|
| 23. | Era | Ricinus communis L. | Euphorbiaceae |
| 24. | Thuja | Thuja orientalis L. | Cupressaceae |
| 25. | Pachatia | Vitex negundo L. | Verbenaceae |
| 26. | Arsagandha | Withania somnifera Dun. | Solanaceae |
| 27. | Tarua Kadam | Acacia farnesiana (L.) Willd. | Mimosaceae |
| 28. | Atlas | Annona reticulata L. | Annonaceae |
| 29. | Akon | Calotropis gigantean (L.) R.Br. | Asclepiadaceae |
| 30. | Dhatura | Datura stramonium L. | Solanaceae |
| 31. | Dalim | Punica granatum L. | Puniaceae |
| 32. | Bokphul | Sesbania grandiflora Benth. | Papilionaceae |
| 33. | Kathana | <i>Tabernaemontana divaricata</i> (L.) R.Br. ex Roem. & Schult. | Apocynaceae |

✓ CLIMBERS

| Sl no. | Vern name | Botanical name | Family |
|--------|-------------------------|----------------------------------|----------------|
| 1. | Nagar lota /Amor lota | Mikania micrantha Kunth | Asteraceae |
| 2. | Kunjalata | Ipomoea quamoclit L. | Convolvulaceae |
| 3. | | Ipomoea obscura (L.) Ker Gawl. | Convolvulaceae |
| 4. | | Ipomoea coccinea L. | Convolvulaceae |
| 5. | | Ipomoea pes-tigridis L. | Convolvulaceae |
| 6. | Rabon nari | Cuscuta reflexa Roxb. | Cuscutaceae |
| 7. | Vedailota | Paederia foetida L. | Rubiaceae |
| 8. | Pan | Piper betel Blanco | Piperaceae |
| 9. | Jaluk | Piper nigrum L. | Piperaceae |
| 10. | Kagojphul/Bougainvillea | Bougainvillea spectabilis Willd. | Nyctaginaceae |
| 11. | Harjora | Cissus quadrangularis L. | Vitaceae |
| 12. | Aporajita | Clitoria ternatea L. | Fabaceae |

| 13. | Satamul | Asparagus racemosus Willd. | Asperagaceae |
|-----|-------------|-------------------------------------|----------------|
| 14. | Saguni lota | Tinospora cordifolia (Willd.) Miers | Menispermaceae |
| 15. | Pui Sak | Basella alba L. | Basellaceae |

✓ HERBS AND GRASSES

| Sl no. | Vern name | Botanical name | Family |
|--------|---------------------------|---|------------------|
| 1. | Boss | Acorus calamus L. | Araceae |
| 2. | | Alloteropsis cimicina (L.) Stapf | Poaceae |
| 3. | | Cyperus alternifolius L. | Cyperaceae |
| 4. | Bon kopahi /kopahi bon | Anaphalis subdecurrens (DC.) Gamble | Asteraceae |
| 5. | Torboura | Rumex crispus L. | Polygonaceae |
| 6. | Bor Elachi | Aframomum melequeta (Rose) K.Sohum | Zingiberaceae |
| 7. | Salkunwari | Aloe barbadensis Mill., | Liliaceae |
| 8. | Tora | Alpinia nigra (Gaertn.) Burtt | Zingiberaceae |
| 9. | Kata Khutura | Amaranthus spinosus L. | Armaranthaceae |
| 10. | Moran Elachi | Amomum aromaticum Roxb. | Zingiberaceae |
| 11. | Kalmegh | Andrographis paniculata (Burm. f.) Wall. ex Nees | |
| 12. | | Apluda mutica L. | Poaceae |
| 13. | Carpet grass | Axonopus compressus (Sw.) BeauvVern. | Poaceae |
| 14. | Brahmi sak | Bacopa monnieri (L.) Penn | Scorphulariaceae |
| 15. | Punanouba | Boerhavia diffusa | Nyctaginaceae |
| 16. | Bor Manimuni | Centella asiatica(L.)Urban | Apiaceae |
| 17. | Bon guti | Chrysopogon aciculatus (Retz.) Trin. | Poaceae |
| 18. | Dhopattita | Clerodendrum infortunatum L. | Lamiaceae |
| 19. | Halodhi | Curcuma domestica Valet. | Zingiberaceae |
| | (Turmeric) | | |
| 20. | Chitronala | Cymbopogon nardus (L.) Rendle | Poaceae |
| 21. | Dubori bon | Cynodon dactylon (L.) Pers. | Poaceae |
| 22. | Murphola bon | Cyperus rotundus L. | Cyperaceae |
| 23. | Aegyptian grass | Dactyloctenium aegyptium (L.) Willd. | Poaceae |
| 24. | Sira-bon | Digitaria setigera Roth apud R. & S. Vern. | Poaceae |
| 25. | Kehraj | Eclipta prostrata L. | Asteraceae |

| 26. | Indian | Eleusine indica (Linn.) Gaetn | Poaceae |
|-----|-----------------------------|--|------------------|
| | goosegrass | | |
| 27. | Helachi sak | Enhyhra fluctuans Lour. | Asteraceae |
| 28. | Gakhiroti | Euphorbia hirta L. | Euphorbiaceae |
| 29. | Gonchana | Homalomena aromatica (Roxb.) Schott | Araceae |
| 30. | Machundari | Houttuynia cordata Thunb | Saururaceae |
| 31. | Saru Manimuni | Hydrocotyle sibthorpioides Lamk. | Apiaceae |
| 32. | Ulu kher/son kher | Imperata cylindrica (L.) Beauv | Poaceae |
| 33. | Gathion | Kaempferia galanga L. | Zingiberaceae |
| 34. | Durum | Leucas aspera (Willd.) Link | Lamiaceae |
| 35. | Durun | Leucas plukenetii (Roth) Sprang. | Lamiaceae |
| 36. | Kasidoria | Lindernia crustacea (L.) F.Muell. | Scrophulariaceae |
| 37. | Podina | Mentha viridis L | Lamiaceae |
| 38. | Bon Tulsi | Ocimum basilicum L. | Lamiaceae |
| 39. | Tulsi | Ocimum sanctum L. | Lamiaceae |
| 40. | Tengechi Tenga | Oxalis debilis H.B.K. | Oxalidaceae |
| 41. | Tengechi Tenga | Oxalis corniculata L. | Oxalidaceae |
| 42. | Lokosa-bon | Paspalum longifolium Roxb. | Poaceae |
| 43. | Shinga Bon | Plantago erosa Wall. | Plantaginaceae |
| 44. | Isobgul | Plantago ovata Forsk | Plantaginaceae |
| 45. | Agyachit | Plumbago zeylanica L. | Plambaginaceae |
| 46. | Patchouli | Pogostemon cablin | Lamiaceae |
| 47. | Madhukhuleng | Polygonum microcephalum D.Don | Polygonaceae |
| 48. | Kohua | Saccharum spontaneum L. | Poaceae |
| 49. | Mitha pat | Scoparia dulcis L. | Plantaginaceae |
| 50. | Konidhan | Setaria glauca (L.) P.Beauv. | Poaceae |
| 51. | Nogahabi, Naginipat | Setaria palmifolia (Koen) Stapf | Poaceae |
| 52. | Sonborial | Sida cordifolia L. | Malvaceae |
| 53. | Loskosi | Solanum nigrum L. | Solanaceae |
| 54. | Vekuri tita | Solanum viarum Dunal | Solanaceae |
| 55. | Parbati Sak/ Khuhani Bon | Spilanthes paniculata Wall. Ex DC. | Asteraceae |
| 56. | Chirata Tita | Swertia chirayita (Rox. Ex Flamming) Karsten. | Gentianaceae |
| 57. | | Tridax procumbens L. | Asteraceae |
| 58. | Bhringraj | Wedelia chinensis Merr. | Asteraceae |
| 59. | Aada (Ginger) | Zingiber officinale Rosc. | Zingiberaceae |

| 60. | Barahu | Zingiber zerumbet (L.)J.E.Smith | Zingiberaceae |
|-----|-------------|---|---------------|
| 61. | Gondhoa bon | <i>Chromolaena odorata</i> (L.) R.M.King & H.Rob. | |

✓ BAMBOO

1

| SL.No | Vernacular Name | Botanical Name | Family |
|-------|-------------------------------|--|---------|
| 1. | Bhaluka Baah | Bambusa balcooa Roxb. | Poaceae |
| 2. | Kataha/ Kota/Ketua Baah | Bambusa bambos (L.)Vos [Bambusa arundinacea (Retz.)Willd.] | Poaceae |
| 3. | Bijuli Baah | Bambusa pallida Munro. | Poaceae |
| 4. | Jati Baah | Bambusa tulda Roxb. | Poaceae |
| 5. | Budhabeli Baah | Bambusa ventricosa McClure | Poaceae |
| 6. | Kalachi Baah | Bambusa vulgaris forma wamini (Brandis)Wen | Poaceae |
| 7. | Sonali/ Halodhiya Baah | Bambusa vulgaris var. vittata A.C.Riviere | Poaceae |
| 8. | Pahariya Jati Baah | Oxytenanthera parvifolia Brandis ex Gamble | Poaceae |

✓ PALM

| | Vernacular/ Local Name | Common Name | Family | Botanical name |
|----|---------------------------|----------------|-----------|--|
| 1. | Momai Tamul | Areca Palm | Arecaceae | Chrysalidocarpus lutescens H.Wendl. |

| 2. | Bottle palm | | Arecaceae | <i>Hyophorbe lagenicaulis</i> (L.H. Bailey) H.E.Moore |
|-----|--------------------|-----------------|-----------|---|
| 3. | Triangular Palm | | Arecaceae | Dypsis decaryi (Jum.) Beentje & J.Dransf. |
| 4. | Royal palm | | Arecaceae | <i>Roystonea regia</i> (Kunth.) O.F. Cook. |
| 5. | Chinese palm | | Arecaceae | <i>Livistona chinensis</i> (Jacq.) R.Br. ex Mart. |
| 6. | Rhapis palm | | Arecaceae | Rhapis excelsa (Thunb.) Henry |
| 7. | Khejur | Phoenix palm | Arecaceae | Phoenix dactylifera L. |
| 8. | Beetal nut | | Arecaceae | Areca catechu L. |
| 9. | Narikol | Coconut | Arecaceae | Cocos nucifera L. |
| 10. | Tokou | | Arecaceae | Livistona jenkinsiana Griff. |
| 11. | Fishtail palm | | Arecaceae | Caryota urens L. |
| 12. | Foxtail Palm | | Arecaceae | Wodyetia bifurcata A.K.Irvine |
| 13. | Kentia palm | | Arecaceae | Howea forsteriana (F.Muell.) Becc. |
| 14. | Taal | | Arecaceae | Borassus flabelifer L. |

✓ GYMNOSPERMS

| Sl No | Botanical Name | Family |
|-------|---|----------------------|
| 1. | Agathis robusta (C.Moore ex F.Muell.) F.M.Bailey | Araucariaceae |
| 2. | Cephalotaxus mannii Hook.f. | Cephalotaxaceae (VU) |
| 3. | Cycas revoluta Thunb. | Cycadaceae (EN) |
| 4. | Dioon spinulosum Dyer ex Eichl. | Zamiaceae (EN) |
| 5. | Gnetum gnemon L. | Gnetaceae |
| 6. | Pinus wallichiana A.B.Jacks. | Pinaceae |
| 7. | Podocarpus macrophyllus (Thunb.) | Podocarpaceae |

| | Sweet | |
|-----|--------------------------------|----------------|
| 8. | Taxus baccata L. | Taxaceae |
| 9. | Zamia furfuracea L.f. ex Aiton | Zamiaceae (EN) |
| 10. | Zamia portoricensis Urb. | Zamiaceae (EN) |

✓ FERNS

| SL. | Vernacular | Botanical Name | Family |
|-----|------------|--|------------------|
| No | Name | | |
| 1. | Dhekia | Drynaria quercifolia (L.)J. Sm. | Drynariaceae |
| 2. | Dhelia sak | Diplazium esculentum (Retz.) Sw. | Athyriaceae |
| 3. | Bih dhekia | Thelypteris palustris (A. Gray) Schott | Thelypteridaceae |
| 4. | | Microsorum pteropus (Blume) Copel. | Polipodiaceae |

✓ ORCHIDS

| SN | Botanical Name Family : Orchidaceae | Image |
|----|--|-------|
| 1. | Phaius tankervilleae (Banks) Blume | |
| 2. | Dendrobium nobile Lindl. | |

| 3. | Dendrobium aphyllum (Roxb.) C.E.C.Fisch. | |
|----|--|--|
| 4. | Dendrobium moschatum (BuchHam.) Sw. | |
| 5. | Dendrobium fimbriatum Hook. | |
| 6. | <i>Vanilla planifolia</i> Jacks. ex Andrews | |
| 7. | Pholidota imbricata (Roxb.) Lindl. | |
| 8. | Pholidota articulata Lindl. | |
| 9. | Eria flava Lindl. | |

1

.

Page 14 of 29

| 10. | Flickingeria fugax (Rchb.f.) Seidenf. | |
|-----|--|--|
| 11. | Agrostophyllum planicaule (Wall. ex Lindl.) Rchb.f. | |
| 12. | Cymbidium aloifolium (L.) Sw. | |
| 13. | Acampe rigida (Buch Ham. ex Sm.) P.F. Hunt | |
| 14. | Acampe papillosa (Lindl.) Lindl. | |

See. 1

| 15. | Aerides williamsii R.Warner | |
|-----|--|--|
| 16. | Bulbophyllum careyanum (Hook.) Spreng. | |
| 17. | Papilionanthe teres (Roxb.) Schltr. | |
| 18. | Rhynchostylis retusa (L.) Blume | |

| 19. | Aerides odoratum Reinw. ex Blume | |
|-----|--------------------------------------|--|
| 20. | Arundina graminifolia (D.Don) Hochr. | |
| 21. | Phalaenopsis mannii Rchb.f. | |
| 22. | Vanda coerulea Griff. Ex Lindl. | |
| 23. | Spathoglottis plicata Blume | |

.

| Sl. No. | Scientific name/ Family/ Common name/ Vernacular name/ Use |
|---------|---|
| | Acacia crassicarpa A.Cunn. ex Benth. Family : Fabaceae |
| | Common name/ Vernacular name : Acacia |
| | Use: The gum, roots, leaves, bark. pods and seeds have been used by aboriginal Australians in decoction, poultice, tonics or inhalations for the treatment of a variety of ailments including diarrhoea, dysentery, sore eyes, colds, sore eyes and skin conditions. The sapwood is pale yellowish- |
| | brown and the heartwood golden-brown. The wood is strong and durable. It |
| 1. | is used for construction, furniture, flooring, board and boat building. It appears suitable for pulping, but more study is required to confirm this use. |
| | Adenanthera pavonina L. |
| | Family : Fabaceae Common name/ Vernacular name : Ku sandan |
| | Use: Planted as a shade and ornamental tree. The tree is a natural pioneer. |
| | With its fast rate of growth and ability to fix atmospheric nitrogen, it can be |
| | used for land reclamation and to re-establish woodland The spreading |
| | crown of light, feathery foliage offers attractive shade and the tree is often |
| | planted for shade in coffee, clove and rubber plantations. the wood burns |
| - | readily, producing significant heat, and is used in both above- and below- |
| 2. | ground ovens. The wood yields very good charcoal. |
| - | Aegle marmelos (L.) Corr. |
| | Family : Rutaceae Common name/ Vernacular name : Bel |
| | |
| 3 | Use: A very highly medicinal plants. Different parts are used for different health conditions. Problems of the female reproductive system like |
| | Leucorrhea, menstrual irregularities, vaginal hemorrhages etc. are also |
| | relieved with the use of Bilva along with other herbs.It also balances pitta |
| | related disorders in the body, effective in managing ulcers and infections. |
| | The ripe fruit has laxative properties and it also helps to treat constipation. |
| | Unripe fruit is also very effective in treating dysentery, diarrhoea and other |
| 3. | gastro intestinal disorders. |
| | Albizia chinensis (Osbeck) Merr. |
| | Family : Fabaceae Common name/ Vernacular name : Sou Siris |
| | |
| | Use: It has an extensive root system and is planted for slope stabilization. As a fast growing, nitrogen-fixing tree legume, it is planted for soil |
| | improvement and remains important in the reforestation of degraded land. |
| 4. | It is planted as a pioneer species in northern Thailand in reforestation |

| [| projects to restore native woodland - it is planted in degraded woodland and |
|-----|--|
| | open areas in a mix with various other species that all have the ability to |
| | grow fast; produce dense, weed-suppressing crowns; and attract seed- |
| | dispersing wildlife, particularly birds and bats. Used as a shade tree and |
| | weed suppressor in tea and coffee plantations. |
| | Albizia lebbeck (L.)Benth. |
| | Family : Fabaceae |
| | Common name/ Vernacular name : Siris |
| | Use: Used for amenity planting, wind-breaks, fire-breaks and the |
| | renabilitation of eroded and degraded soils. It is occasionally planted as a |
| 2 | shade tree in tea and coffee. Also planted for fuel-wood and gives excellent |
| 5. | charcoal. |
| | Albizia procera (Roxb.)Benth. |
| | Family : Fabaceae |
| | Common name/ Vernacular name : Siris |
| | Use: Used for amenity planting, wind-breaks, fire-breaks and the |
| | rehabilitation of eroded and degraded soils. It is occasionally planted as a |
| | shade tree in tea and coffee. Also planted for fuel-wood and gives excellent |
| 6. | charcoal. |
| 0. | Alstonia scholaris (L.)R. Br. |
| | Family : Apocynaceae |
| | Common name/ Vernacular name : Sationa |
| | Use: The ripe fruits of the plant are used in syphilis and epilepsy. The milky |
| | juice has been applied to treat ulcers, bark is used in Ayurvedic medicine to |
| 7. | treat fever, malaria, troubles in digestion, tumors, ulcers, asthma. |
| | Anacardium occidentale L. |
| | Family : Anacardiaceae |
| | Common name/ Vernacular name : Kajubadam |
| 8. | Use: Good healthy fruit. Very popular dry fruit. |
| | Anthocephalus cadamba (Roxb.)Miq. |
| | Family : Rubiaceae |
| | Common name/ Vernacular name : Kodom |
| | Use: Leaves-astringent. The Ayurvedic Pharmacopoeia of India indicates |
| | the use of dried stembark in disorders of female genital tract and bleeding |
| | disorders. The dried bark contains alkaloids, steroids, reducing sugars and |
| 0 | also tannins |
| 9. | (4.52%). The ether-soluble alkaloid of the bark shows antibacterial activity. |
| 10 | Aquilaria malaccensis Lamk. |
| 10. | Family : Thymelaeaceae |

| [| Common name/ Vernacular name : Soci (A reason a) | | |
|--|---|--|--|
| | Common name/ Vernacular name : Sasi (Agarwood) Use: Economically very important plant. It is the major source of | | |
| | agarwood, a resinous heartwood, used for perfume and incense. | | |
| | Araucaria cookii R. Br. ex D. Don. | | |
| | Family : Araucariaceae | | |
| Common name/ Vernacular name : Christmas tree | | | |
| 11. | | | |
| Artocarpus heterophylius Lam. | | | |
| Family : Fabaceae | | | |
| | Common name/ Vernacular name : Kothal | | |
| 12. | Use: A very healthy and popular fruit as well as very good timber. | | |
| | Artocarpus lacucha Hom. | | |
| | Family : Moraceae | | |
| | Common name/ Vernacular name : Dewa/bohot | | |
| 13. | Use: Fruits are extremely eaten by monkey and other animals. | | |
| | Averrhoa carambola L. | | |
| | Family : Oxalidaceae | | |
| | Common name/ Vernacular name : Star fruit/ Kordoi | | |
| | Use: Star fruit contains good quantities of vitamin-C. Vitamin C is a | | |
| | powerful natural antioxidant. 100 g of fresh fruit provides 34.7 mg or 57% | | |
| | of daily-required levels of vitamin C. In general, consumption of fruits rich | | |
| | in vitamin C helps the human body develop resistance against infectious | | |
| | agents and scavenge harmful, pro-inflammatory free radicals from the | | |
| | body. | | |
| | | | |
| | It is also rich in antioxidant phyto-nutrient polyphenolic flavonoids. Some | | |
| | of the important flavonoids present are quercetin, epicatechin, and gallic | | |
| 14. acid. Treated as one of the high valued ethnomedicinal plants. | | | |
| | Azardirachta indica A. Juss. | | |
| | Family : Rutaceae | | |
| | Common name/ Vernacular name : Margosa Tree/ Mohanim | | |
| | Use: A very high valued medicinal plants. All parts of Neem tree used as | | |
| | anthelmintic, anti-fungal, anti-diabetic, antibacterial, antiviral, | | |
| | contraceptive and sedative. Neem tree is used in many medicinal treatment | | |
| | like skin diseases, healthy hair, improve liver function, detoxify the blood, | | |
| | Pest and disease control, fever reduction, dental treatments, cough, asthma, | | |
| 15. | ulcers, piles, intestinal worms, urinary diseases etc. | | |
| | Baccaurea sapida (Roxb.) Muell.Arg. | | |
| | Family : Euphorbiaceae | | |
| 16. | Common name/ Vernacular name : Leteku | | |

| | Use: A very good fruit | | | | |
|--|--|--|--|--|--|
| | Bauhinia purpurea L. | | | | |
| | Family : Fabaceae | | | | |
| | Common name/ Vernacular name : Ronga kanchan | | | | |
| 17. | Use: Ethno-botanically important plant and a good avenue plant. | | | | |
| Bauhinia variegata L. | | | | | |
| | Family : Fabaceae | | | | |
| | Common name/ Vernacular name : Boga Kanchan | | | | |
| 18. | Use: Ethno-botanically important plant and a good avenue plant. | | | | |
| | Bischofia javanica Bl. | | | | |
| | Family : Euphorbiaceae | | | | |
| | Common name/ Vernacular name : Uriam | | | | |
| | Use: Ethno-botanically important plant. The tree is used for reforestation | | | | |
| | and is often intercropped in traditional agriculture. In India, it is considered | | | | |
| 19. | to be an excellent shade tree in coffee and cardamom plantations. | | | | |
| | Bixa orellana L. | | | | |
| | Family : Bixaceae | | | | |
| | - | | | | |
| Common name/ Vernacular name: Lipstick tree/Sendur | | | | | |
| | Use: A shrub or small tree originating from the tropical region of the Americas. North, Central and South American. The pulp of the fruit yields | | | | |
| | a bright red dye, which has long been used both as a body point and the | | | | |
| | a bright red dye, which has long been used both as a body paint and dye stuff for textiles or food. Indiana and the stuff for textiles or food in diana and the stuff for textiles or food. | | | | |
| | stuff for textiles or food. Indigenous people still use the pulp for 'cosmetic | | | | |
| | purposes', as hair dye or lip stick, hence the English common name 'Lipstick tree'. | | | | |
| | Lipstick tice. | | | | |
| 20. | | | | | |
| 20. | Bombax ceiba L. | | | | |
| | Family : Malvaceae | | | | |
| 7 | Common name/ Vernacular name : Red silk-cotton/ Simalu | | | | |
| | | | | | |
| | Use: A very common cotton yielding plants. The roots are sweet, cooling, | | | | |
| | stimulant, restorative, astringent, alternative, demulcent, emetic and tonic. | | | | |
| | It is used in the treatment of diarrhea, dysentery, menorrhagia, styptic and | | | | |
| | for wounds. The gum is cooling, astringent, stimulant, tonic and demulcent | | | | |
| | in nature. It is useful in dysentery, hemoptysis, pulmonary tuberculosis, | | | | |
| | influenza, burning sensation, menorrhagia and enteritis. Bark is | | | | |
| | mucilaginous, demulcent, emetic and tonic. Used for healing wounds and to | | | | |
| 21 | stop bleeding. Flowers are astringent and good for skin troubles and | | | | |
| 21. | haemorrhoids. Seeds are useful in treating gonorrhea and chronic cystitis. | | | | |
| 22 | Boswellia Serrata Roxb. ex Colebr. | | | | |
| 22. | Family : Burseraceae | | | | |

| | Common name/ Vernacular name : Dhuna | | |
|--------------------------------------|---|--|--|
| | Use: Gum resin Commonly used in all households for smoking. Gum resin | | |
| | extract used for medicinal purposes related to systemic and topical | | |
| | inflammation. In Ayurveda, this herb is known as Salai guggal. | | |
| | Bridelia retusa (L.) A. Juss. | | |
| | Family : Euphorbiaceae | | |
| Common name/ Vernacular name : Kuhir | | | |
| 23. | Use: High valued ethno medicinal plants. | | |
| | Butea monosperma (Lam.) Taub. | | |
| | Family : Fabaceae | | |
| | Common name/ Vernacular name : Palas | | |
| | Use: High valued ethno medicinal plants and very popular plants used in | | |
| 24. | different traditional rituals in Assam. | | |
| | Camellia sinensis (L.O.) Kuntze | | |
| | Family : Theaceae | | |
| | Common name/ Vernacular name : Tea tree/ Saah | | |
| | Use: Very high valued Economically important plant. Leaves are used as | | |
| 25. | Tea. | | |
| | Cassia biflora L. | | |
| | Family : Fabaceae | | |
| | Common name/ Vernacular name : Yellow Cassia | | |
| 26. | Use: Avenue plants. | | |
| | Cassia fistula L. | | |
| Family : Fabaceae | | | |
| | Common name/ Vernacular name : Golden shower/ Sonaru | | |
| 27. | Use: High valued ethno medicinal plants. Highly planted as avenue plants. | | |
| | Cassia javanika L. | | |
| | Family : Fabaceae | | |
| | Common name/ Vernacular name : Radhachura | | |
| 28. | Use: Common and very popular avenue plants. | | |
| | Cedrela toona Roxb.ex Willd.var. australis (F.Muell.)C.DC. | | |
| | Family : Meliaceae | | |
| | Common name/ Vernacular name : Bogipoma | | |
| 29. | Use: A good timber. | | |
| | Cinnamomum tamala (Hamilt) Nees et Brem. | | |
| | Family : Lauraceae | | |
| | Common name/ Vernacular name : Bay Leaf /Tezpat | | |
| | Use: Very high valued Economically important plant . A medicinal tree. | | |
| 30. | Leaves are used as common spice. | | |
| 50. | Louves are used as common spice. | | |

| | Cinnamomum versus I D | | | |
|--|--|--|--|--|
| | Cinnamomum verum J. Presl | | | |
| | Family : Lauraceae | | | |
| | Common name/ Vernacular name : Dalchini | | | |
| 21 | Use: Very high valued Economically important plant . A medicinal tree. | | | |
| 31. | | | | |
| Coffea arabica L. | | | | |
| | Family : Rubiaceae | | | |
| Common name/ Vernacular name : Coffee | | | | |
| | Use: Very high valued Economically important plant. Seeds are used as | | | |
| 32. | Coffee beverage worldwide. | | | |
| | Dalbergia sissoo Roxb. | | | |
| Family : Fabaceae | | | | |
| | Common name/ Vernacular name : Sisoo | | | |
| 33. | Use: An excellent timber tree. | | | |
| Delonix regia (Boj.ex Hook.)Raf. | | | | |
| | Family : Fabaceae | | | |
| | Common name/ Vernacular name : Krishnachura | | | |
| 34. | Use: Common and very popular avenue plants. | | | |
| | Dillenia indica L. | | | |
| | Family : Dilleniaceae | | | |
| | Common name/ Vernacular name : Elephant apple/ Ow-tenga | | | |
| Use: Highly used as ethno medicine. Commonly used in hai | | | | |
| 35. | Economically important plant. Favorite food of elephant. | | | |
| | Elaeocarpus floribundus Blume | | | |
| | Family : <i>Elaeocarpaceae</i> | | | |
| | Common name/ Vernacular name : Jalphai | | | |
| | Use: A good timber. Economically important plant as well as ethno- | | | |
| | medicinally important. Fruits are very popular for pickle. | | | |
| 36. | j | | | |
| | Elaeocarpus ganitrus Roxb. ex G.Don. | | | |
| | Family : Elaeocarpaceae | | | |
| | Common name/ Vernacular name : Rudrakh | | | |
| | Use: Economic as well as ethno-medicinal plant. Seeds are commonly used | | | |
| | in rituals in India. | | | |
| 37. | in maais in mara. | | | |
| | Emblica officinalis Geartn. | | | |
| | Family : Euphorbiaceae | | | |
| | Common name/ Vernacular name : Emblica/ Amlokhi | | | |
| | Use: Emblica exhibits strong antioxidant activity. It is one of the most | | | |
| 38. | important plants in the traditional Ayurvedic medical system. A high | | | |
| | Presso in the traditional right vente incureal system. A mgn | | | |

| [| | | | | |
|---|--|--|--|--|--|
| | valued economically important plant. | | | | |
| | Erythrina indica Lam. | | | | |
| | Family : Fabaceae | | | | |
| Common name/ Vernacular name : Indian coral tree/ Rakta mad | | | | | |
| 39. | Use: An important medicinal plant. | | | | |
| | Ficus benghalensis L. | | | | |
| | Family : Moraceae | | | | |
| | Common name/ Vernacular name : Bor-goch | | | | |
| 40. | Use: Fruits are common food of birds. A very popular plants used in rituals. | | | | |
| | Ficus elastica Roxb. | | | | |
| | Family : Moraceae | | | | |
| | Common name/ Vernacular name : Atha bor | | | | |
| | Use: Fruits are common food of birds. A very popular avenue plants as well | | | | |
| 41. | as indoor plants. | | | | |
| | Ficus glomerata Roxb. | | | | |
| | Family : Moraceae | | | | |
| | Common name/ Vernacular name : Jagya Dimaru | | | | |
| | Use: An ethno medicinally important plant. Fruits are eaten by human also | | | | |
| 42. | good food of birds. | | | | |
| | Ficus hirta Bahl. | | | | |
| Family : Moraceae | | | | | |
| Common name/ Vernacular name : Mou Dimaru | | | | | |
| | Use: An ethno medicinally important plant. Fruits are eaten by human also | | | | |
| 43. | good food of birds. | | | | |
| | Ficus religiosa L. | | | | |
| | Family : Moraceae | | | | |
| | Common name/ Vernacular name : Ahot | | | | |
| | Use: Very common avenue tree. Highly religious. | | | | |
| 44. | | | | | |
| | Garcinia cowa Roxb.ex DC | | | | |
| | Family : Clusiaceae | | | | |
| | Common name/ Vernacular name : Kuji Thekera | | | | |
| 45. | Use: High valued medicinal plants. Endemic to NE India. | | | | |
| | Garcinia pedunculata Roxb. | | | | |
| | Family : Clusiaceae | | | | |
| | Common name/ Vernacular name : Bor Thekera | | | | |
| 46. | Use: High valued medicinal plants. Endemic to NE India. | | | | |
| 47. | Gmelina areborea Roxb. Ex Sm. | | | | |

| | Family : Verbenaceae | | | |
|------------------|--|--|--|--|
| | Common name/ Vernacular name : Gomari | | | |
| | Use: A very good timber. | | | |
| | Grevillea robusta A.Cunn. ex R.Br. | | | |
| | Family : Proteaceae | | | |
| | Common name/ Vernacular name : Silver Oak tree | | | |
| | Use: Commonly planted as a shade tree or street tree in tropical an | | | |
| | subtropical areas. Its timber is used for making furniture, and in Sri Lanka | | | |
| 48. | and East Africa the tree is planted as a fuel wood species. | | | |
| | Hevea brasiliensis (Willd. ex A.Juss.) Mull.Arg. | | | |
| | Family : Euphorbiaceae | | | |
| | Common name/ Vernacular name : Robor(Rubber) | | | |
| | Use: The latex of this plant is the main source of Natural rubber. The plant | | | |
| 49. | is having very high economic importance globally. | | | |
| | Lagerstroemia speciosa (L.)Pers. | | | |
| | Family : Lythraceae | | | |
| | Common name/ Vernacular name : Pride of India/ Queen's crape-myrtle/ | | | |
| | Ajar | | | |
| | Use: Mostly grown in South East Asia, India and the Philippines. It is also | | | |
| | widely cultivated as an ornamental plant in tropical and subtropical areas. | | | |
| | The leaves are used widely in the Philippines, Taiwan, and Japan as a tea | | | |
| 50. preparation. | | | | |
| | Lannea coromandelica (Houtt.) Merr. | | | |
| | Family : Anacardiaceae | | | |
| | Common name/ Vernacular name : Indian Ash Tree /Jia / Jigar | | | |
| 11022 / Sa | Use: Young leaves are eaten as vegetable. Bark is used in different | | | |
| 51. | medicine. | | | |
| | Litsea monopetala (Roxb.) Pers. | | | |
| | Family : Lauraceae | | | |
| | Common name/ Vernacular name : Soalu | | | |
| 50 | Use: Used as timber. The seed core contains oil and is used for industrial | | | |
| 52. | oil. Leaves are used for growing muga silkworm and as cattle fodder. | | | |
| | Macaranga denticulata (Blume) Mull. Arg. | | | |
| | Family : Euphorbiaceae | | | |
| 50 | Common name/ Vernacular name : Pokabandha | | | |
| 53. | Use: Medicinally important. | | | |
| | Mangifera indica L. | | | |
| | Family : Anacardiaceae | | | |
| 54. | Common name/ Vernacular name : Mango/ Aam | | | |

| | Use: Called as the king of fruit. A very high valued commercially important | | | |
|-----|---|--|--|--|
| | plant. | | | |
| | Melia azedarach L. | | | |
| | Family : Meliaceae | | | |
| | Common name/ Vernacular name : chinaberry tree, Pride of Indi Ghora-neem | | | |
| 55. | | | | |
| 55. | Use: High valued Medicinal Plant and a good timber. Mesua ferrea L. | | | |
| | Family : Calophyllaceae | | | |
| | Common name/ Vernacular name : Indian rose chestnut, Cobra's | | | |
| | saffron/ Nahor | | | |
| 56. | Use: Medicinally important as well as avenue plant. | | | |
| 001 | Michelia champaca L. | | | |
| | Family : Magnoliaceae | | | |
| | Common name/ Vernacular name : Champak/ Titasopa | | | |
| 57. | Use: A very high valued timber. Commercially very important. | | | |
| | Mimusops elengi L. | | | |
| | Family : Sapotaceae | | | |
| | Common name/ Vernacular name : Bullet wood tree/ Bokul | | | |
| 58. | Use: Good Timber and medicinal plant. Fruits are eaten directly. | | | |
| | Moringa oleiifera Lam. | | | |
| | Family : Moringaceae | | | |
| | Common name/ Vernacular name : Sajina | | | |
| 59. | Use: Medicinal Tree. Commercially important. | | | |
| | Murraya exotica L. | | | |
| | Family : Rutaceae | | | |
| | Common name/ Vernacular name : Pora amlokhi | | | |
| 60. | Use: Medicinal Tree. Ethnobotanically important. | | | |
| | Myristica fragrans Houtt. | | | |
| | Family : Myristicaceae | | | |
| | Common name/ Vernacular name : Nutmeg / Jaifol | | | |
| 61. | Use: High valued medicinal plant. Commercially important. | | | |
| | Oroxylum indicum (L.) Kurz | | | |
| | Family : Bignoniaceae | | | |
| | Common name/ Vernacular name : Vatkgila/Tokuna | | | |
| 62. | Use: High valued medicinal plant. | | | |
| | Pajanelia longifolia (Willd.)Schum. | | | |
| 6 | Family : Bignoniaceae | | | |
| 63. | Common name/ Vernacular name : Khaura goch | | | |

| | Use: Fodder |
|-----|--|
| | Peltophorum inerme (Roxb.) Naves ex Fernandez-Villar |
| | Family : Fabaceae |
| | Common name/ Vernacular name : Yellow Gul Mohar |
| 64. | Use: Avenue plant. |
| | Psidium guajava L. |
| | Family : Myrtaceae |
| | Common name/ Vernacular name : Guava/ Madhuri aam |
| 65. | Use: Fruits commercially very important. |
| | Phoebe goalparensis Hutch. |
| | Family : Lauraceae |
| | Common name/ Vernacular name : Bonsom |
| 66. | Use: Very important timber. |
| | Pterocarpus santlalius L.f. |
| | Family : Papilionaceae |
| | Common name/ Vernacular name : Red Chandal/ Rakta Chandan |
| | Use: Commercially as well as botanically very significant. An Endangered |
| 67. | species as per IUCN Red Data list. |
| | Pyrus communis L. |
| | Family : Rosaceae |
| | Common name/ Vernacular name : Pear / Naspoti |
| | Use: Fruits are sold commercially. |
| 68. | |
| | Pyrus malus L. |
| | Family : Rosaceae |
| | Common name/ Vernacular name : Apple / Aapel |
| | Use: Fruits are sold commercially. |
| 69. | soor rando are sora commerciariy. |
| | Samanea saman (Jecq.)Merr. |
| | Family : Fabaceae |
| | Common name/ Vernacular name : Rain tree/ Bilati sirish |
| 70. | Use: Avenue tree. |
| | Santalum album L. |
| | Family : Santalaceae |
| | Common name/ Vernacular name : White Chandal/ Boga Chandan |
| | Use: Commercially as well as botanically very significant. An Endangered |
| 71. | species as per IUCN Red Data list. |
| | Shorea robusta Gaertn. |
| 72. | Family : Dipterocarpaceae |
| 12. | i anny . Dipterocal paceae |

| | Common name/ Vernacular name : Saal | | | | |
|-------------------------|--|--|--|--|--|
| | Use: Commercially very important. Very high quality timber. | | | | |
| | Spondius pinnata (L.f.) Kurz. | | | | |
| | Family : Anacardiaceae | | | | |
| | Common name/ Vernacular name : Amora | | | | |
| 73. | | | | | |
| Sterculia villosa Roxb. | | | | | |
| | Family : Malvaceae | | | | |
| | Common name/ Vernacular name : Udal | | | | |
| | Use: Seeds and Rots are eaten and commercially sold. | | | | |
| 74. | | | | | |
| 2 | Streblus asper Lour. | | | | |
| | Family : Moraceae | | | | |
| | Common name/ Vernacular name : Kharua | | | | |
| | Use: Medicinally important. Stems are used as tooth brush by the | | | | |
| 75. | community. | | | | |
| | Syzygium cumini (L.) Skeels. | | | | |
| Family : Myrtaceae | | | | | |
| | Common name/ Vernacular name : Jamun/ Kola-jamu | | | | |
| 76. | Use: Fruits medicinally important. Sold commercially. | | | | |
| | Tamarindus indica L. | | | | |
| Family : Fabaceae | | | | | |
| | Common name/ Vernacular name : Tamarind/ Teteli | | | | |
| 77. | Use: Medicinally very significant. Fruits sold commercially. | | | | |
| | Tectona grandis L.f. | | | | |
| | Family : Verbenaceae | | | | |
| | Common name/ Vernacular name : Segun | | | | |
| 78. | Use: Commercially very important. A high quality timber. | | | | |
| | Terminalia arjuna Roth. | | | | |
| | Family : Combretaceae | | | | |
| | Common name/ Vernacular name : Arjun | | | | |
| | Use: Medicinally very very important. Bark is extremely significant for the | | | | |
| 79. | production of different medicine. | | | | |
| | Terminalia chebula (Gaertn.) Tetz. | | | | |
| | Family : Combretaceae | | | | |
| | Common name/ Vernacular name : Silikha | | | | |
| | Use: Medicinally very very important. Fruit is extremely significant for the | | | | |
| 80. | production of different medicine. | | | | |
| 81. | Terminalia myriocarpa Van Heurck & Müll. Arg. | | | | |

| | Family : Combretaceae |
|-----|---|
| | Common name/ Vernacular name : Halakh |
| | Use: Very good timber. Commercially very important. |
| | Zizyphus mauritiana Lamk. |
| | Family : Rhamnaceae |
| | Common name/ Vernacular name : Bogori |
| 82. | Use: Fruits are used to produce pickles and eaten directly. |

Date: 27 04/16.

То The Finance Officer ' TU

Sub: Submission of UC/SE of project-reg.

Sir.

Bu Tubbs 6

100

With reference to the subject cited above, this is to inform you that the project titled 'documentation, collection and preservation of TU Biodiversity' funded by Tezpur University has been completed. The total sanctioned amount was Rs. 214755/- and expenditure of Rs. 138955/- has been incurred during the project.

Now, I am submitting herewith the UC/SE for the project. Therefore, you are requested to certify the UC/SE so that we can close the project.

This is for your kind perusal and necessary action please.

Thanking you

With best regards

Dr. Ashalata Devi Asstt. Prof. & PI Dept. of Env. Sc. Encl:

- 1. copy of UC/SE
- 2. sanction letter
- 3. letter of Dean R&D reg. fund head.

Title of the project: documentation, collection and preservation of TU Biodiversity

Total sanctioned amount = Rs. **214755.00**

Statement of Expenditure

| SI. | Items | Amount (Rs.) | Expenditure | Balance |
|-----|--|--------------|-------------|----------|
| No. | | Sanctioned | | |
| 1 | Herbarium Sheets | 5000.00 | 5000 | Nil |
| 2 | Family Covers | 2000.00 | 2000 | Nil |
| 3 | Herbarium Cabinet | 96000.00 | 60685 | 35315.00 |
| 4 | Insect Showcase Cabinet [RI- 64-01] | 14062.00 | 4796 | 9266.00 |
| 5 | Insect Box. [RI-61-01] | 4275.00 | 1560 | 2715.00 |
| 6 | Insect collecting Net [RI -69- 01] | 422.00 | Nil | 422.00 |
| 15 | Chemicals | 25651.00 | 15675 | 9976.00 |
| 7 | Glassware | 24090.00 | 12155 | 11935.00 |
| 8 | Equipment | 33255.00 | 30843 | 2412.00 |
| 9 | Other Consumables | 10000.00 | 6241 | 3759.00 |
| | | 214755.00 | 138955.00 | 75800.00 |

ou/lip

Signature of PI