

## CHAPTER –II

### GLOSSARY OF TERMS

The WPO shall discuss the glossary of terms used in working plan in detail.

## CHAPTER –III

### List of Flora

The WPO shall discuss names of trees shrubs herbs, and climbers with English names, if any, in alphabetical order, followed by their botanical names making it as exhaustive as possible with a separate list of rare, endangered and threatened speies. The WPO may take help of subject matter experts for updating the list.

List of local flora for ready reference is as:

### GLOSSORY OF BOTANICAL TERMS

| BOTANICAL NAMES                      | HINDI/VERNACULAR/SANSKRIT/TRADE/ENGLISH NAMES                                        |
|--------------------------------------|--------------------------------------------------------------------------------------|
| <b>A-TREE</b>                        |                                                                                      |
| Acacia nilotica<br>(Acacia Arabica)  | Kikkar,Babul,Indian gum Arabic tree                                                  |
| Acacia catechu                       | Khair,Khadira,The cutch tree                                                         |
| Acacia modesta                       | Phulahi                                                                              |
| Acer oblongum                        | Parag,Moli,Putli                                                                     |
| Adina cordifolia                     | Haldu                                                                                |
| Aegle marmelos                       | Bel,Bilva,Indian quince, Holy fruit, Golden apple, stone apple                       |
| Alizzia lebbek                       | Siris, Shirish, Munipriva,Kokko, East Indian Walnut Frywood tree,Woman's tongue tree |
| Anogeissus latifolia                 | Chhal                                                                                |
| Artocarpus lakoocha                  | Dhew                                                                                 |
| Azadirachta indica                   | Neem,Margosa tree                                                                    |
| Bauhinia malabarica                  | Amlosa                                                                               |
| Bauhinia racemosa                    | Jhinjhora, Gurial, Sveta Kanchan, Kanchan                                            |
| Bauhinia retusa                      | Semla, Kandla                                                                        |
| Bauhinia variegata                   | Kachnar                                                                              |
| Bombax ceiba                         | Semal, Salmali, Rakta-pushpa, Kamta-Kadruma, Silk cottn tree                         |
| Boswellia Serrata                    | Sala or Salai                                                                        |
| Butea monosperma<br>(Butea frondosa) | Parrot tree, Judas tree, Flame-of-the Forest                                         |



|                                                                 |                                                                                                  |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <i>Callistemon viminalis</i>                                    | Bottlebrush                                                                                      |
| <i>Careya arborea</i>                                           | Kumbhi                                                                                           |
| <i>Cassia fistula</i>                                           | Amaltas, Gul-lakri, Argwadha, Rajtaru, Savarnaka, Rajbrikh, Indian laburnum, The purging fistula |
| <i>Casearia tomentosa</i>                                       | Chila                                                                                            |
| <i>Cedrela toona</i>                                            | Tun, Red cedar, Moulmein cedar                                                                   |
| <i>Celtis australis</i>                                         | Kharak                                                                                           |
| <i>Citrus sp</i>                                                | Kimbu                                                                                            |
| <i>Cordia dichotoma</i><br>( <i>Cordia oblique</i> )            | Lassora                                                                                          |
| <i>Cordia vestita</i>                                           | Bareula or Kum                                                                                   |
| <i>Dalbergia lanceolaria</i>                                    | Anjan, Takoli <i>Dalbergia</i> Sissoo, Shisham, Tali, Sissoo, Shinsapa, Aguru,                   |
| <i>Delonix regia</i>                                            | Gulmohar, Fire tree, Flame tree, Royal peacock, Royal Poinciana. Peacock flower                  |
| <i>Diospyros cordifolia</i>                                     | Bis tendu                                                                                        |
| <i>Diospyros peregrine</i><br>( <i>Diospyros embryopteris</i> ) | Kala tendu                                                                                       |
| <i>Diospyros tomentosa</i>                                      | Tendu                                                                                            |
| <i>Emblica officinalis</i><br>( <i>Phyllanthus emblica</i> )    | Aamla, Amalak, Dhatri, Indian goose berry                                                        |
| <i>Erythrina suberosa</i>                                       | Dhaul-dhak, Mandara, Pangra, Corky coral tree                                                    |
| <i>Erythrina variegata</i><br>( <i>Erythrina indica</i> )       | Mandara, Pangra<br>Indian coral tree                                                             |
| <i>Eucalyptus tereticornis</i>                                  | Eucalyptus/Safeda                                                                                |
| <i>Ficus bengalensis</i>                                        | Bargad, Bohar, Vat, Nyagrodha, Bahupadha, Kalp Vriksha, Banyan                                   |
| <i>Ficus glomerata</i>                                          | Gular, Udumbara                                                                                  |
| <i>Ficus palmata</i>                                            | Khemri                                                                                           |
| <i>Ficus religiosa</i>                                          | Pipal, Aswattha, Bodhi tree                                                                      |
| <i>Flacourtia jangomas</i><br>( <i>Flacourtia cataphracta</i> ) | Pachnate                                                                                         |
| <i>Flacourtia indica</i><br>( <i>Flacourtia ramontchi</i> )     | Kangoo                                                                                           |
| <i>Garuga pinnata</i>                                           | Kharpat                                                                                          |
| <i>Gmelina arborea</i>                                          | Gambhar or Kumbhar                                                                               |
| <i>Grewia elastica</i>                                          | Dhaman                                                                                           |
| <i>Grewia optiva</i><br>( <i>Grewia oppositifolia</i> )         | Behul, Biul                                                                                      |
| <i>Hesperesthusa crenulata</i><br>( <i>Limonia crenulata</i> )  | Beli                                                                                             |
| <i>Holoptelea integrifolia</i>                                  | Papri, Chilbil                                                                                   |
| <i>Jacaranda mimosaefolia</i>                                   | Jacaranda                                                                                        |
| <i>Lagerstroemia parviflora</i>                                 | Dhauri, Sidha                                                                                    |
| <i>Lannea coromandelica</i><br>( <i>Lannea grandis</i> )        | Jhingan                                                                                          |
| <i>Leucaena spp</i>                                             | Leucaena, Ku babul, Lead tree, House tree/tamann, White bahul, White popinac, Wild               |



|                                                  |                                                                                                  |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------|
|                                                  | tamarind                                                                                         |
| Litsea glutinosa<br>(Litsea chinensis)           | Chandna or Maida-Lakri                                                                           |
| Litsea monopetala<br>(Litsea pylyantha)          | Karka or markua                                                                                  |
| Mallotus philippinensis                          | Rohini                                                                                           |
| Mangifera indica                                 | Aam, Amra, Rasala, Madhuduta, Mango,                                                             |
| Melia azedarach                                  | Bakain, Drek, Persian lilac, Bastard cedar, Bead tree, Barbados lilac, Indian lilac, China berry |
| Mitragyna parvifolia<br>(Stephegyne parvifolia)  | Phaldu or Kaem                                                                                   |
| Miliusa velutina                                 | Dom-sal                                                                                          |
| Moringa oleifera                                 | Sanjna, Sohanjna, Shob-bamjama                                                                   |
| (Moringa pterygosperma)                          | Sigru, Horse-radish tree, Drum stick tree, Ben tree                                              |
| Morus alba                                       | Tut, Shahtoot, White Mulbery, Safed Shahtoot                                                     |
| Oroxylum indicum                                 | Tarlu or Tat-parangha                                                                            |
| Ougeinia oojeinensis<br>(Ougeinia dalbergioides) | Sandan, Tinsia, Sejandana, Rot                                                                   |
| Phoenix humilis                                  | Khajur                                                                                           |
| Phoebe lanceolata                                | Tumri or Bhadrol LS1                                                                             |
| Pinus roxburghii<br>(Pinus longifolia)           | Chir or Chil                                                                                     |
| Pistacia integerrima                             | Kakkar Singi, Pistachio wood                                                                     |
| Populus sp                                       | Poplar                                                                                           |
| Prosopis juliflora                               | Prosopis juliflora, Vilayati babul, The Mesquite                                                 |
| Psidium guyava                                   | Amrood                                                                                           |
| Punica granatum                                  | Anar                                                                                             |
| Pyrus pashia                                     | Kainth                                                                                           |
| Randia spinosa<br>(Randia dumetorum)             | Maniphal or Rada                                                                                 |
| Robinia pseudo-acacia                            | Robinia, Black locust                                                                            |
| Salmalia malabarica                              | Semal, Salmali, Rakta-pushpa, Kamta-Kadruma, Silk cottn tree                                     |
| (Bombax malabaricum)                             | Red silk cotton tree                                                                             |
| Salix sp                                         | Willow                                                                                           |
| Sapindus mukorossi                               | Ritha, Arishta, Phenila, Soap nut tree of North India                                            |
| Saraca asoca<br>(Saraca indica)                  | Ashok                                                                                            |
| Schleichera oleosa<br>(Schleichera trijuga)      | Kusum, The lac tree, The Ceylon Oak, Macassar oil tree                                           |
| Semecarpus anacardium                            | Bhilawa, Bhallataka, Marking nut tree, Arushkara                                                 |
| Shorea robusta                                   | Sal.Sala,Shal                                                                                    |
| Spondias pinnata                                 | Amara,Amrotaka, Hog-plum, Bile tree, Wild mango, Traveller's delight                             |
| Sterculia villosa                                | Gudgudala, Udal                                                                                  |
| Stereospermum suaveolens                         | Padal                                                                                            |
| Syzygium cerasoideum                             | Thuthi                                                                                           |



|                                                                    |                                                 |
|--------------------------------------------------------------------|-------------------------------------------------|
| ( <i>Eugenia operculata</i> )                                      |                                                 |
| <i>Syzygium cumini</i><br>( <i>Syzygium jambolanum</i> )           | Jamoa, Jaamun, Jamun                            |
| <i>Tecoma stans</i>                                                | Tecoma                                          |
| <i>Tectona grandis</i>                                             | Teak                                            |
| <i>Terminalia arjuna</i>                                           | Arjun                                           |
| <i>Terminalia belerica</i>                                         | Bahera, Vibhitika, Bahira, Belliric myrobalan   |
| <i>Terminalia chebula</i>                                          | Harar, Haritika                                 |
| <i>Terminalia alata</i><br>( <i>Terminalia tomentosa</i> )         | Sain, Saj, Saja                                 |
| <i>Trewia nudiflora</i>                                            | Gutel or Tumr                                   |
| <i>Wendlandia exserta</i>                                          | Chili                                           |
| <i>Wrightia tomentosa</i>                                          | Dudhi                                           |
| <i>Xylosma longifolium</i>                                         | Sialu                                           |
| <i>Xylosma longifolia</i>                                          | Barach                                          |
| <i>Zizyphus auritiana</i>                                          | Ber, Badari, Dadara, Jujube                     |
| ( <i>Zizyphus Jujuba</i> )                                         | Madhuraphala                                    |
| <i>Zizyphus glaberrima</i><br>( <i>Zizyphus xylopyra</i> )         | Kathber or Mandher                              |
|                                                                    |                                                 |
| <b>B-SHRUBS</b>                                                    |                                                 |
| <i>Adhatoda vasica</i>                                             | Basooti, Bansa                                  |
| <i>Aechmanthera gossypina</i><br>( <i>Aechmanthera wallichii</i> ) | Bharara                                         |
| <i>Antidesma acidum</i><br>( <i>Antidesma diandrum</i> )           | Khatla                                          |
| <i>Ardisia solanacea</i>                                           | Gur-bheli                                       |
| <i>Asparagus racemosus</i>                                         | Satamuli or Sataron                             |
| <i>Berberis spp</i>                                                | Kasmal                                          |
| <i>Caesalpinia decapetala</i><br>( <i>Caesalpinia sepiaria</i> )   | Heens                                           |
| <i>Calotropis procera</i>                                          | Ak                                              |
| <i>Cannabis sativa</i>                                             | Bhang                                           |
| <i>Carissa opaca</i>                                               | Kandlai or Katrarh                              |
| <i>Cestrum nocturnum</i>                                           | Rat Ki Rani, Lady of the Night, Mexican Jasmine |
| <i>Clerodendron viscosum</i>                                       | Karu                                            |
| <i>Colebrookia oppositifolia</i>                                   | Bida or Binta-Lakari                            |
| <i>Debregeasia-spp</i>                                             | Singar or Siaru                                 |
| <i>Dodonaea visosa</i>                                             | Mehandua                                        |
| <i>Euphorbia royleana</i>                                          | Thor                                            |
| <i>Flemingia chappar</i>                                           | Chhanchra                                       |
| <i>Helicteres isora</i>                                            | Marorphali                                      |
| <i>Holarrhena antidysenterica</i>                                  | Kura or Kora                                    |
| <i>Jatropha curcas</i>                                             | Japhlota or Jablota                             |
| <i>Lantana camara</i>                                              | Varzhita or Phuljhari                           |
| <i>Maesa indica</i>                                                | Dumani                                          |
| <i>Murraya koenigii</i>                                            | Gandhela or Mirchu                              |
| <i>Opuntia dillenii</i>                                            | Nagphan                                         |



|                                                                  |                                                 |
|------------------------------------------------------------------|-------------------------------------------------|
| <i>Orthanthera viminea</i>                                       | Sharar                                          |
| <i>Osyris wightiana</i>                                          | Lal-lakri                                       |
| <i>Prinsepia utilis</i>                                          | Bhekhra                                         |
| <i>Rauwolfia serpentine</i>                                      | Sarphgandha                                     |
| <i>Rhus cotinus</i>                                              | Tung                                            |
| <i>Rosa mischata</i>                                             | Jangli-gulab                                    |
| <i>Rubus niveus</i>                                              | Bhera                                           |
| <i>Rumex hastatus</i>                                            | Chulmora or Khatibuti                           |
| <i>Solanum verbascifolium</i>                                    | Ban tamaku                                      |
| <i>Vitex negundo</i>                                             | Shimalu or Bahna                                |
| <i>Woodfordia fruticosa</i><br>( <i>Woodfordia floribunda</i> )  | Bhaura or Dhawi or Dhai                         |
| <b>C- CLIMBERS</b>                                               |                                                 |
| <i>Abrus precatorius</i>                                         | Ratti or Gunchi                                 |
| <i>Acacia pennata</i>                                            | Agla                                            |
| <i>Atylosia mollis</i>                                           | Ban Sem                                         |
| <i>Bauhinia vahlii</i>                                           | Malijhan                                        |
| <i>Caesalpinia decatetala</i><br>( <i>Caesalpinia sepiaria</i> ) | Alai                                            |
| <i>Calamus tenuis</i>                                            | Baint                                           |
| <i>Celastrus paniculata</i>                                      | Malkangi                                        |
| <i>Chonemorpha macrophylla</i>                                   | Dudhi<br>Dali Dudhi or Bakar Bel or Medha Singi |
| <i>Cissampelos-paireira</i>                                      | Patindu or Harjori                              |
| <i>Combretum decandrum</i>                                       | Roel                                            |
| <i>Dioscorea bulbifera</i>                                       | Githa                                           |
| <i>Ichnocarpus frutescens</i>                                    | Pilidudhi                                       |
| <i>Millettia auriculata</i>                                      | Gaj                                             |
| <i>Mimosa himalayana</i>                                         | Alay                                            |
| <i>Mucuna pruriens</i><br>( <i>Mucuna prurita</i> )              | Kaunch                                          |
| <i>Porana paniculata</i>                                         | Safed Bel                                       |
| <i>Pueraria tuberosa</i>                                         | Sarali                                          |
| <i>Smilax macrophylla</i>                                        | Ramdataun                                       |
| <i>Smilax parvifolia</i>                                         | Ushwa                                           |
| <i>Tinospora sinensis</i><br>( <i>Tinospora malabarica</i> )     | Ciloe or Gulj                                   |
| <i>Vallisneria spiralis</i>                                      | Dudhi bel or Safed bel                          |
| <i>Vitis latifolia</i>                                           | Panibel                                         |
| <i>Vitis trifolia</i>                                            | Amal bel                                        |
| <i>Zizyphus oenoplia</i>                                         | Makoh                                           |
| <b>D-GRASSES</b>                                                 |                                                 |
| <i>Arundo donax</i>                                              | Nal or Nara                                     |
| <i>Chrysopogon fulus</i>                                         |                                                 |
| <i>Chrysopogon montanus</i>                                      | Dhau                                            |
| <i>Cymbopogon martini</i>                                        | Mirchagandh or Makora                           |



|                              |                            |
|------------------------------|----------------------------|
| <i>Cynodon dactylon</i>      | Dub, Durva grass, Haritali |
| <i>Eulaliopsis-binata</i>    | Bhabar                     |
| <i>Heteropogon contortus</i> | Kumeria or Sarala          |
| <i>Imperata cylindrical</i>  | Dab                        |
| <i>Narenga-prophyrocema</i>  |                            |
| <i>Sorghum halepense</i>     | Banchari                   |
| <i>Seaccharum munja</i>      | Munj                       |
| <i>Sclerosracha furea</i>    |                            |
| <i>Thysanoloena maxima</i>   | Pirlu or Aunsh             |
| <i>Thamnocalamus faleata</i> | Nigal or Nirgal            |

Note:- The old names/synonyms are given below the current names in (brackets).



## II

### **GLOSSARY OF TERMS**

The WPO shall discuss the glossary of terms used in working plan in detail.

## III

### **LIST OF FLORA**

The WPO shall discuss names of trees shrubs herbs, and climbers with English names, if any, in alphabetical order, followed by their botanical names making it as exhaustive as possible with a separate list of rare, endangered and threatened species. The WPO may take help of subject matter experts for updating the list.

List of local flora is as:

### **GLOSSORY OF BOTANICAL TERMS**

| <b>BOTANICAL<br/>NAMES</b>                | <b>HINDI/VERNACULAR/SANSKRIT/TRADE/ENGLISH<br/>NAMES</b>                                |
|-------------------------------------------|-----------------------------------------------------------------------------------------|
| <b>A-TREE</b>                             |                                                                                         |
| Acacia nilotica<br>(Acacia Arabica)       | Kikkar,Babul,Indian gum Arabic tree                                                     |
| Acacia catechu                            | Khair,Khadira,The cutch tree                                                            |
| Acacia modesta                            | Phulahi                                                                                 |
| Acer oblongum                             | Parag,Moli,Putli                                                                        |
| Adina cordifolia                          | Haldu                                                                                   |
| Aegle marmelos                            | Bel,Bilva,Indian quince, Holy fruit, Golden apple, stone apple                          |
| Albizzia lebbek                           | Siris, Shirish, Munipriva,Kokko, East Indian Walnut<br>Frywood tree,Woman's tongue tree |
| Anogeissus latifolia                      | Chhal                                                                                   |
| Artocarpus lakoocha                       | Dhew                                                                                    |
| Azadirachta indica<br>(Melia azadirachta) | Neem,Margosa tree                                                                       |
| Bauhinia malabarica                       | Amlosa                                                                                  |
| Bauhinia racemosa                         | Jhinjhora, Gurial, Sveta Kanchan, Kanchan                                               |
| Bauhinia retusa                           | Semla, Kandla                                                                           |
| Bauhinia variegata                        | Kachnar                                                                                 |
| Bischofia Javanica                        | Paniala, Bhillar                                                                        |
| Bombax ceiba                              | Semal, Salmali, Rakta-pushpa, Kamta-Kadruma, Silk cotton tree                           |
| Boswellia serrata                         | Sala or Salai                                                                           |



|                                                                           |                                                                                                     |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <i>Butea monosperma</i><br>( <i>Butea frondosa</i> )                      | Parrot tree, Judas tree, Flame-of-the Forest                                                        |
| <i>Callistemon</i><br><i>viminalis</i>                                    | Bottlebrush                                                                                         |
| <i>Careya arborea</i>                                                     | Kumbhi                                                                                              |
| <i>Cassia fistula</i>                                                     | Amaltas, Gul-lakri, Argwadha, Rajtaru, Savarnaka,<br>Rajbrikh, Indian laburnum, The purging fistula |
| <i>Casearia tomentosa</i>                                                 | Chila                                                                                               |
| <i>Cedrela toona</i>                                                      | Tun, Red cedar, Moulmein cedar                                                                      |
| <i>Celtis australis</i>                                                   | Kharak                                                                                              |
| <i>Citrus sp</i>                                                          | Kimbu                                                                                               |
| <i>Cordia dichotoma</i><br>( <i>Cordia oblique</i> )                      | Lassora                                                                                             |
| <i>Cordia vestita</i>                                                     | Bareula or Kum                                                                                      |
| <i>Dalbergia</i><br><i>lanceolaria</i>                                    | Anjan, Takoli Dalbergia Sissoo, Shisham, Tali, Sissoo,<br>Shinsapa, Aguru,                          |
| <i>Delonix regia</i>                                                      | Gulmohar, Fire tree, Flame tree, Royal peacock, Royal<br>Poinciana. Peacock flower                  |
| <i>Diospyros cordifolia</i>                                               | Bis tendu                                                                                           |
| <i>Diospyros peregrine</i><br>( <i>Diospyros</i><br><i>embryopteris</i> ) | Kala tendu                                                                                          |
| <i>Diospyros tomentosa</i>                                                | Tendu                                                                                               |
| <i>Diosregeasia</i><br><i>velutina</i>                                    | Tushiari or Singer                                                                                  |
| <i>Emblica officinalis</i><br>( <i>Phyllanthus</i><br><i>emblica</i> )    | Aamla, Amalak, Dhatri, Indian goose berry                                                           |
| <i>Erythrina suberosa</i>                                                 | Dhaul-dhak, Mandara, Pangra, Corky coral tree                                                       |
| <i>Erythrina variegata</i><br>( <i>Erythrina indica</i> )                 | Mandara, Pangra<br>Indian coral tree                                                                |
| <i>Eucalyptus</i><br><i>tereticornis</i>                                  | Eucalyptus/Safeda                                                                                   |
| <i>Ficus bengalensis</i>                                                  | Bargad, Bohar, Vat, Nyagrodha, Bahupadha, Kalp Vriksha,<br>Banyan                                   |
| <i>Ficus glomerata</i>                                                    | Gular, Udumbara                                                                                     |
| <i>Ficus palmata</i>                                                      | Khemri                                                                                              |
| <i>Ficus religiosa</i>                                                    | Pipal, Aswattha, Bodhi tree                                                                         |
| <i>Flacourtia indica</i><br>( <i>Flacourtia</i><br><i>ramontchi</i> )     | Kangoo                                                                                              |
| <i>Gardenia turgida</i>                                                   | Thanela                                                                                             |
| <i>Garuga pinnata</i>                                                     | Kharpat                                                                                             |
| <i>Gmelina arborea</i>                                                    | Gambhar or Kumbhar                                                                                  |
| <i>Grewia elastica</i>                                                    | Dhaman                                                                                              |
| <i>Grewia optiva</i><br>( <i>Grewia</i><br><i>oppositifolia</i> )         | Behul, Biul                                                                                         |
| <i>Hesperesthusa</i><br><i>crenulata</i>                                  | Beli                                                                                                |



|                                                                  |                                                                                                  |
|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| ( <i>Limonia crenulata</i> )                                     |                                                                                                  |
| <i>Holoptelea integrifolia</i>                                   | Papri, Chilbil                                                                                   |
| <i>Jacaranda mimosaefolia</i>                                    | Jacaranda                                                                                        |
| <i>Lagerstroemia parviflora</i>                                  | Dhauri, Sidha                                                                                    |
| <i>Lannea coromandelica</i><br>( <i>Lannea grandis</i> )         | Jhingan                                                                                          |
| <i>Leucaena</i> spp                                              | Leucaena, Ku babul, Lead tree, House tree/tamannd, White bahul, White popinac, Wild tamarind     |
| <i>Litsea glutinosa</i><br>( <i>Litsea chinensis</i> )           | Chandna or Maida-Lakri                                                                           |
| <i>Litsea monopetala</i><br>( <i>Litsea pylyantha</i> )          | Karka or markua                                                                                  |
| <i>Mallotus philippinensis</i>                                   | Rohini                                                                                           |
| <i>Mangifera indica</i>                                          | Aam, Amra, Rasala, Madhuduta, Mango,                                                             |
| <i>Melia azedarach</i>                                           | Bakain, Drek, Persian lilac, Bastard cedar, Bead tree, Barbados lilac, Indian lilac, China berry |
| <i>Michelia champaca</i>                                         | Champa                                                                                           |
| <i>Mitragyna parvifolia</i><br>( <i>Stephegyne parvifolia</i> )  | Phaldu or Kaem                                                                                   |
| <i>Miliusa velutina</i>                                          | Dom-sal                                                                                          |
| <i>Moringa oleifera</i>                                          | Sanjna, Sohanjna, Shob-bamjama                                                                   |
| ( <i>Moringa pterygosperma</i> )                                 | Sigru, Horse-radish tree, Drum stick tree, Ben tree                                              |
| <i>Morus alba</i>                                                | Tut, Shahtoot, White Mulbery, Safed Shahtoot                                                     |
| <i>Oroxylum indicum</i>                                          | Tarlu or Tat-parangha                                                                            |
| <i>Ougeinia oojeinensis</i><br>( <i>Ougeinia dalbergioides</i> ) | Sandan, Tinsia, Sejandana, Rot                                                                   |
| <i>Phoenix humilis</i>                                           | Khajur                                                                                           |
| <i>Phoebe lanceolata</i>                                         | Tumri or Bhadrol LS1                                                                             |
| <i>Pinus roxburghii</i><br>( <i>Pinus longifolia</i> )           | Chir or Chil                                                                                     |
| <i>Pistacia integerrima</i>                                      | Kakkar Singi, Pistachio wood                                                                     |
| <i>Premna latifolia</i>                                          | Bekar                                                                                            |
| <i>Prosopis juliflora</i>                                        | Prosopis juliflora, Vilayati babul, The Mesquite                                                 |
| <i>Prunus persica</i>                                            | Aroo                                                                                             |
| <i>Psidium guyava</i>                                            | Amrood                                                                                           |
| <i>Punica granatum</i>                                           | Anar                                                                                             |
| <i>Pyrus pashia</i>                                              | Kainth                                                                                           |
| <i>Quercus leucotrichophora</i><br>( <i>Quercus incana</i> )     | Ban                                                                                              |
| <i>Robinia pseudo-acacia</i>                                     | Robinia, Black locust                                                                            |



|                                                                    |                                                                      |
|--------------------------------------------------------------------|----------------------------------------------------------------------|
| <i>Salmalia malabarica</i>                                         | Semal, Salmali, Rakta-pushpa, Kamta-Kadruma, Silk cotton tree        |
| ( <i>Bombax malabaricum</i> )                                      | Red silk cotton tree                                                 |
| <i>Sapindus mukorossi</i>                                          | Ritha, Arishta, Phenila, Soap nut tree of North India                |
| <i>Saraca asoca</i><br>( <i>Saraca indica</i> )                    | Ashok                                                                |
| <i>Schleichera oleosa</i>                                          | Kusum, The lac tree, The Ceylon                                      |
| ( <i>Schleichera trijuga</i> )                                     | Oak, Macassar oil tree                                               |
| <i>Semecarpus anacardium</i>                                       | Bhilawa, Bhallataka, Marking nut tree, Arushkara                     |
| <i>Shorea robusta</i>                                              | Sal.Sala,Shal                                                        |
| <i>Spondias pinnata</i>                                            | Amara,Amrotaka, Hog-plum, Bile tree, Wild mango, Traveller's delight |
| <i>Sterculia villosa</i>                                           | Gudgudala, Udal                                                      |
| <i>Stereospermum suaveolens</i>                                    | Padal                                                                |
| <i>Syzygium cerasoideum</i><br>( <i>Eugenia operculata</i> )       | Thuthi                                                               |
| <i>Syzygium cumini</i><br>( <i>Syzygium jambolanum</i> )           | Jamoa, Jaamun,Jamun                                                  |
| <i>Tamarix dioica</i>                                              | Jhau                                                                 |
| <i>Tecoma stans</i>                                                | Tecoma                                                               |
| <i>Terminalia arjuna</i>                                           | Arjun                                                                |
| <i>Terminalia belerica</i>                                         | Bahera, Vibhitika,Bahira, Belliric myrobalan                         |
| <i>Terminalia chebula</i>                                          | Harar, Haritika                                                      |
| <i>Terminalia alata</i><br>( <i>Terminalia tomentosa</i> )         | Sain, Saj, Saja                                                      |
| <i>Trewia nudiflora</i>                                            | Gutel or Tumr                                                        |
| <i>Wendlandia exserta</i>                                          | Chili                                                                |
| <i>Wrightia tomentosa</i>                                          | Dudhi                                                                |
| <i>Xylosma longifolium</i>                                         | Sialu                                                                |
| <i>Zizyphus auritiana</i>                                          | Ber, Badari, Dadara, Jujube                                          |
| ( <i>Zizyphus Jujuba</i> )                                         | Madhuraphala                                                         |
| <i>Zizyphus glaberrima</i><br>( <i>Zizyphus xylopyra</i> )         | Kathber or Mandher                                                   |
| <b>B-SHRUBS</b>                                                    |                                                                      |
| <i>Adhatoda vasica</i>                                             | Basooti, Bansa                                                       |
| <i>Aechmanthera gossypina</i><br>( <i>Aechmanthera wallichii</i> ) | Bharara                                                              |
| <i>Antidesma acidum</i><br>( <i>Antidesma diandrum</i> )           | Khatla                                                               |



|                                                                  |                                                 |
|------------------------------------------------------------------|-------------------------------------------------|
| <i>Ardisia solanacea</i>                                         | Gur-bheli                                       |
| <i>Asparagus racemosus</i>                                       | Satamuli or Sataron                             |
| <i>Berberis spp</i>                                              | Kasmal                                          |
| <i>Caesalpinia decapetala</i><br>( <i>Caesalpinia sepiaria</i> ) | Heens                                           |
| <i>Calotropis procera</i>                                        | Ak                                              |
| <i>Cannabis sativa</i>                                           | Bhang                                           |
| <i>Carissa opaca</i>                                             | Kandlai or Katrarh                              |
| <i>Cestrum nocturnum</i>                                         | Rat Ki Rani, Lady of the Night, Mexican Jasmine |
| <i>Clerodendron viscosum</i>                                     | Karu                                            |
| <i>Colebrookia oppositifolia</i>                                 | Bida or Binta-Lakari                            |
| <i>Debregeasia-spp</i>                                           | Singar or Siaru                                 |
| <i>Dodonaea visosa</i>                                           | Mehandua                                        |
| <i>Euphorbia royleana</i>                                        | Thor                                            |
| <i>Flemingia chappar</i>                                         | Chhanchra                                       |
| <i>Helicteres isora</i>                                          | Marorphali                                      |
| <i>Holarrhena antidysenterica</i>                                | Kura or Kora                                    |
| <i>Jatropha curcas</i>                                           | Japhlota or Jablota                             |
| <i>Lantana camara</i>                                            | Varzhita or Phuljhari                           |
| <i>Maesa indica</i>                                              | Dumani                                          |
| <i>Murraya koenigii</i>                                          | Gandhela or Mirchu                              |
| <i>Nyctanthes arbor-tristis</i>                                  | Harsingar, Kuri, Parijata, Night Jasmine        |
| <i>Opuntia dillenii</i>                                          | Nagphan                                         |
| <i>Orthanthera viminea</i>                                       | Sharar                                          |
| <i>Osyris wightiana</i>                                          | Lal-lakri                                       |
| <i>Prinsepia utilis</i>                                          | Bhekhra                                         |
| <i>Rauwolfia serpentina</i>                                      | Sarphgandha                                     |
| <i>Rhus cotinus</i>                                              | Tung                                            |
| <i>Rosa mischata</i>                                             | Jangli-gulab                                    |
| <i>Rubus niveus</i>                                              | Bhera                                           |
| <i>Rumex hastatus</i>                                            | Chulmora or Khatibuti                           |
| <i>Solanum verbascifolium</i>                                    | Ban tamaku                                      |
| <i>Vitex negundo</i>                                             | Shimalu or Bahna                                |
| <i>Woodfordia fruticosa</i><br>( <i>Woodfordia floribunda</i> )  | Bhauila or Dhawi. or Dhai                       |
| <b>C- CLIMBERS</b>                                               |                                                 |
| <i>Abrus precatorius</i>                                         | Ratti or Gunchi                                 |
| <i>Acacia pennata</i>                                            | Agla                                            |



|                                                                  |                                                 |
|------------------------------------------------------------------|-------------------------------------------------|
| <i>Atylosia mollis</i>                                           | Ban Sem                                         |
| <i>Bauhinia vahlii</i>                                           | Malijhan                                        |
| <i>Caesalpinia decatetala</i><br>( <i>Caesalpinia sepiaria</i> ) | Alai                                            |
| <i>Calamus tenuis</i>                                            | Baint                                           |
| <i>Celastrus paniculata</i>                                      | Malkangi                                        |
| <i>Chonemorpha macrophylla</i>                                   | Dudhi<br>Dali Dudhi or Bakar Bel or Medha Singi |
| <i>Cissampelos-pareira</i>                                       | Patindu or Harjori                              |
| <i>Combretum decandrum</i>                                       | Roel                                            |
| <i>Dioscorea bulbifera</i>                                       | Githa                                           |
| <i>Ichnocarpus frutescens</i>                                    | Pilidudhi                                       |
| <i>Millettia auriculata</i>                                      | Gaj                                             |
| <i>Mimosa himalayana</i>                                         | Alay                                            |
| <i>Mucuna pruriens</i><br>( <i>Mucuna prurita</i> )              | Kaunch                                          |
| <i>Porana paniculata</i>                                         | Safed Bel                                       |
| <i>Pueraria tuberosa</i>                                         | Sarali                                          |
| <i>Similax macrophylla</i>                                       | Ramdataun                                       |
| <i>Smilax parvifolia</i>                                         | Ushwa                                           |
| <i>Tinospora sinensis</i><br>( <i>Tinospora malabarica</i> )     | Ciloe or Gulj                                   |
| <i>Vallisneria spiralis</i>                                      | Dudhi bel or Safed bel                          |
| <i>Vitis latifolia</i>                                           | Panibel                                         |
| <i>Vitis trifolia</i>                                            | Amal bel                                        |
| <i>Zizyphus oenopia</i>                                          | Makoh                                           |
| <b>D-GRASSES</b>                                                 |                                                 |
| <i>Arundo donax</i>                                              | Nal or Nara                                     |
| <i>Chrysopogon fulus</i>                                         |                                                 |
| <i>Chrysopogon montanus</i>                                      | Dhau                                            |
| <i>Cymbopogon martini</i>                                        | Mirchagandh or Makora                           |
| <i>Cynodon dactylon</i>                                          | Dub, Durva grass, Haritali                      |
| <i>Eulaliopsis-binata</i>                                        | Bhabar                                          |
| <i>Heteropogon contortus</i>                                     | Kumeria or Sarala                               |
| <i>Imperata cylindrical</i>                                      | Dab                                             |
| <i>Narenga-prophyrocema</i>                                      |                                                 |
| <i>Sorghum halepense</i>                                         | Banchari                                        |
| <i>Seaccharum munja</i>                                          | Munj                                            |
| <i>Sclerosracha furea</i>                                        |                                                 |
| <i>Thysanoloena</i>                                              | Pirlu or Aunsh                                  |



|                          |                 |
|--------------------------|-----------------|
| maxima                   |                 |
| Thamnocalamus<br>faleata | Nigal or Nirgal |
| Tspethiflorus            |                 |
| Vetiveria                |                 |
| Zizanoides               |                 |

Note:- The old names/synonyms are given below the current names in (brackets).



# CHAPTER -III

## LIST OF FLORA

### (A) TREES

| S. No. | Scientific Name                | Family                      | Local Name             | English Name          |
|--------|--------------------------------|-----------------------------|------------------------|-----------------------|
| 1.     | <i>Abies pindrow</i>           | Coniferae                   | Tosh                   | Silver fir            |
| 2.     | <i>Acacia nilotica</i>         | Leguminosae<br>(Mimosaceae) | Kikar                  | -                     |
| 3.     | <i>Acacia catechu</i>          | -do-                        | Khair                  | -                     |
| 4.     | <i>Acer caesium</i>            | Sapindaceae                 | Mandlu                 | Mandar Maple          |
| 5.     | <i>Acer oblongum</i>           | Sapindaceae                 | Parange                | -                     |
| 6.     | <i>Acer villosum</i>           | Sapindaceae                 | Chirandru              | Maple                 |
| 7.     | <i>Adina cordifolia</i>        | Rubiaceae                   | Haldu                  | -                     |
| 8.     | <i>Aegle marmelos</i>          | Rutaceae                    | Bel                    | -                     |
| 9.     | <i>Aesculus indica</i>         | Sapindaceae                 | Khanor                 | Horse chestnut        |
| 10.    | <i>Ailanthus glandulosa</i>    | Simaroubaceae               | Ailanthus              | Ailanthus             |
| 11.    | <i>Albizzia procera</i>        | Leguminosae<br>(Mimosaceae) | Safed (White)<br>Siris | -                     |
| 12.    | <i>Albizzia stipulata</i>      | -do-                        | Oie                    | -                     |
| 13.    | <i>Albizzia lebbec</i>         | -do-                        | Kala (Black)<br>Siris  | -                     |
| 14.    | <i>Albizzia odoratissima</i>   | -do-                        | Siris                  | -                     |
| 15.    | <i>Alnus nitida</i>            | Cupliferae                  | Kosh, Kunish           | Alder                 |
| 16.    | <i>Alnus nepalensis</i>        | -do-                        | Kosh                   | Alder                 |
| 17.    | <i>Anogeissus latifolia</i>    | Combretaceae                | Dhou, Chhal            | -                     |
| 18.    | <i>Bauhinia perpurea</i>       | Leguminosae                 | Karal                  | -                     |
| 19.    | <i>Bauhinia variegata</i>      | -do-                        | Kachnar, Karale        | -                     |
| 20.    | <i>Betula alnoides</i>         | Betulaceae                  | Shagra                 | Birch                 |
| 21.    | <i>Bombax ceiba</i>            | Bombaceae                   | Semal                  | Red Cotton tree       |
| 22.    | <i>Buxus wallichiana</i>       | Euphorbaceae                | Shamshad               | Box wood              |
| 23.    | <i>Broussonetia papyrifera</i> | Moraceae                    | -                      | Paper mulberry        |
| 24.    | <i>Careva arborea</i>          | Myrtaceae                   | -                      | -                     |
| 25.    | <i>Carpinus viminea</i>        | Betulaceae                  | Khirki                 | Himalayan<br>Hornbean |
| 26.    | <i>Cassia fistula</i>          | Caesalpiniaceae             | Amaltas                | India Laburnum        |
| 27.    | <i>Cassia siamea</i>           | -do-                        | -                      | -                     |
| 28.    | <i>Cassia frondosa</i>         | -do-                        | -                      | -                     |
| 29.    | <i>Callistemon viminalis</i>   | Myrtaceae                   | -                      | Bottle Brush          |
| 30.    | <i>Casearia tomentosa</i>      | Samydaceae                  | Pimpla, goela,<br>pula | -                     |
| 31.    | <i>Cedrela Serrata</i>         | Meliaceae                   | Darke                  | Hill Toon             |
| 32.    | <i>Cedrela toona</i>           | -do-                        | Tooni, Tun             | Toon                  |
| 33.    | <i>Cedrus deodara</i>          | Coniferae                   | Kelo, Diar             | Deodar                |
| 34.    | <i>Celtis australis</i>        | Urticaceae                  | Khirak                 | Nettle Tree           |
| 35.    | <i>Citrus mediaca</i>          | Rutaceae                    | Jhamirdi               | -                     |
| 36.    | <i>Cordia myxa</i>             | Boraginaceae                | Lasura                 | -                     |
| 37.    | <i>Cordia vestita</i>          | -do-                        | Lasura                 | -                     |
| 38.    | <i>Cornus capitata</i>         | Cornaceae                   | Kreeva                 | Dog wood              |



|     |                                   |               |                  |                     |
|-----|-----------------------------------|---------------|------------------|---------------------|
| 39. | <i>Cornus macrophylla</i>         | -do-          | -do-             | -do-                |
| 40. | <i>Corylus colurna</i>            | Cupuliferae   | Sharol           | Hazlenut            |
| 41. | <i>Cupressus sempervirens</i>     | Coniferae     | Saru             | Himalayan cyprus    |
| 42. | <i>Cupressus torulosa</i>         | -do-          | Davidiar         | Himalayan cyprus    |
| 43. | <i>Dalbergia sissoo</i>           | Papilionaceae | Shisham, Tali    | Sissoo              |
| 44. | <i>Ehretia acuminata</i>          | Boraginaceae  | Bakli            | -                   |
| 45. | <i>Ehretia laevis</i>             | -do-          | Chamror          | -                   |
| 46. | <i>Emblica officinalis</i>        | Euphorbaceae  | Ambla            | -                   |
| 47. | <i>Engelhardtia colebrookiana</i> | Euglandaceae  | Samma            | -                   |
| 48. | <i>Erythrina subarosa</i>         | Papilionaceae | Pariara          | Coral tree          |
| 49. | <i>Eucalyptus camaldunensis</i>   | Myrtaceae     | Safeda           | River Red gun       |
| 50. | <i>Eucalyptus citriodora</i>      | -do-          | -do-             | Lemon scened gun    |
| 51. | <i>Eucalyptus globulus</i>        | -do-          | -do-             | Blue gun            |
| 52. | <i>Eucalyptus grandis</i>         | -do-          | -do-             | Rose gun            |
| 53. | <i>Eucalyptus hybrid</i>          | -do-          | -do-             | -                   |
| 54. | <i>Euonymus lacerus</i>           | Celastraceae  | Kala chindwara   | Indian spindle tree |
| 55. | <i>Euonymus tingens</i>           | -do-          | -do-             | -                   |
| 56. | <i>Ficus palmata</i>              | Urticaceae    | Fegura, Fegra    | Wild Fig            |
| 57. | <i>Ficus hispida</i>              | -do-          | Debre            | -                   |
| 58. | <i>Ficus religiosa</i>            | -do-          | Pipal            | -                   |
| 59. | <i>Ficus roxburghii</i>           | -do-          | Tremal, Traimbal | -                   |
| 60. | <i>Ficus bengalensis</i>          | -do-          | Bar              | Banyan              |
| 61. | <i>Floccurtia ramentchii</i>      | Bixaceae      | Kaodei, Kangu    | -                   |
| 62. | <i>Fraxinus micranthus</i>        | Oleaceae      | Ash              | Ash                 |
| 63. | <i>Fraxinus floribunda</i>        | -do-          | Ash              | Ash                 |
| 64. | <i>Grevillea robusta</i>          | Proteaceae    | -                | Silver Oak          |
| 65. | <i>Grewia oppositifolia</i>       | Tiliaceae     | Bihul, Beul      | -                   |
| 66. | <i>Gewia elastica</i>             | -do-          | -do-             | -                   |
| 67. | <i>Holarrhena antidysenterica</i> | Apocynaceae   | -                | -                   |
| 68. | <i>Ilex dipyrena</i>              | Ilicineae     | Jacranda         | -                   |
| 69. | <i>Jacaranda ovalifolia</i>       | Bignoniceae   | -                | -                   |
| 70. | <i>Juglan regia</i>               | Juglandaceae  | Khor, Akhrot     | Walnut              |
| 71. | <i>Kydia calycina</i>             | Malvaceae     | Pula             | -                   |
| 72. | <i>Lagerstroemia indica</i>       | Lythraceae    | Har Singar       | -                   |
| 73. | <i>Lannea grandis</i>             | Anacardiaceae | Salambra         | -                   |
| 74. | <i>Litsea umbrisa</i>             | Lauraceae     | Paror            | Laurel              |
| 75. | <i>Litsea Chinensis</i>           | -do-          | -do-             | -do-                |
| 76. | <i>Litsea polyantha</i>           | -do-          | -do-             | -do-                |
| 77. | <i>Leucaena leucocephala</i>      | Leguminosae   | Subabool         | -                   |
| 78. | <i>Lyonia ovalifolia</i>          | Ericaceae     | Airean, Ebran    | -                   |
| 79. | <i>Machilus</i>                   | -do-          | -do-             | -                   |



|      |                         |               |                 |                    |
|------|-------------------------|---------------|-----------------|--------------------|
|      | odoratissima            |               |                 |                    |
| 80.  | Mallotus philippinensis | Euphorbiaceae | Kambal          | Kamila tree        |
| 81.  | Mangifera indica        | Anacardiaceae | Amb             | Mango              |
| 82.  | Melia azedarach         | Meliaceae     | Drek            | Persian lialac     |
| 83.  | Moringa oleifera        | Moringaceae   | Saunjana        | -                  |
| 84.  | Morus alba              | Urticaceae    | Chimmu          | Mulberry           |
| 85.  | Morus serrata           | -do-          | Pahari tut      | Hill mulberry      |
| 86.  | Myicra nagi             | Myrtaceae     | Kaphal          | -                  |
| 87.  | Olea cuspidata          | Obaceae       | Kahu            | Olive tree         |
| 88.  | Oroxylum Indicum        | Bignoniaceae  | Arlu            | -                  |
| 89.  | Ougeinia dalbergiodes   | Leguminosae   | Sandan          | -                  |
| 90.  | Phoenix sylvestris      | Arecaceae     | Khajur, Khajri. | Wild date palm     |
| 91.  | Phoenix humilis         | -do-          | Khajri          | Wild date palm     |
| 92.  | Picea smithiana         | Coniferae     |                 | Spruce             |
| 93.  | Pinus roxburghii        | -do-          | Chil            | Chir pine          |
| 94.  | Pinus wallichiana       | -do-          | kail            | Blue pine          |
| 95.  | Pistacia integerrima    | Anacardiaceae | Kakare          | -                  |
| 96.  | Populus deltoids G.3    | Salicaceae    | Chiluna, Pahari | Poplar             |
| 97.  | Populus ciliata         | -do-          | Pipal           | Poplar             |
| 98.  | Populus deltoids G.48   | -do-          | -               | Poplar             |
| 99.  | Populus deltoids G.121  | -do-          | -               | Poplar             |
| 100. | Populus nigra           | -do-          | -               | Poplar             |
| 101. | Pongamia pinnata        | Papilionaceae | Karanj          | Indian beech       |
| 102. | Prunus armenica         | Rosaceae      | Chuli           | Wild apricot       |
| 103. | Prunus cerasoides       | -do-          | Paja            | Bird Cherry        |
| 104. | Prunus cemuta           | -do-          | Jammu           | Bird Cherry        |
| 105. | Prunus granatum         | Lythraceae    | Auar, Daru      | Pomegranate        |
| 106. | Pyrus lanata            | Rosaceae      | Bumfal          | -                  |
| 107. | Pyrus pashia            | -do-          | Segal, Kainth   | -                  |
| 108. | Quercus dilatata        | Cupliferae    | Mohru           | Green oak.         |
| 109. | Quercus glauca          | -do-          | Bani            | -                  |
| 110. | Quercus incana          | -do-          | Ban             | White oak          |
| 111. | Quercus semicarpifolia  | -do-          | Kharsu          | Brown Oak          |
| 112. | Rhododendron arboreum   | Ericaceae     | Burah           | -                  |
| 113. | Rhus punjabensis        | Anacardiaceae | Titri           | -                  |
| 114. | Robina pseudoacacia     | Legumes       | Robina          | -                  |
| 115. | Salix babylonica        | Salicaceae    | Majnu           | Weeping willow     |
| 116. | Salix elegans           | -do-          | Biuns           | Willow             |
| 117. | Salix tetrasperma       | -do-          | Biuns           | Willow             |
| 118. | Sapindus mukurossi      | Sapindaceae   | Ritha           | Soap nut tree      |
| 119. | Sapium sebiferum        | Euphorbiaceae | Dudhla          | Chinesetallow Tree |
| 120. | Taxus baccata           | Coniferae     | Barmi, Rakhale  | Yew                |
| 121. | Terminalia belerica     | Combretaceae  | Bahera          | -                  |



|      |                             |             |         |                |
|------|-----------------------------|-------------|---------|----------------|
| 122. | <i>Terminalia chebula</i>   | -do-        | Harad   | -              |
| 123. | <i>Terminalia tomentosa</i> | -do-        | Alasan  | -              |
| 124. | <i>Ulmus wallichiana</i>    | Ulmaceae    | Marinu  | -              |
| 125. | <i>Ulmus laevigata</i>      | -do-        | Marinu  | Small leaf elm |
| 126. | <i>Wrightia tinctoria</i>   | Apocynaceae | Summa   | -              |
| 127. | <i>Wrightia tomentosa</i>   | -do-        | Summa   | -              |
| 128. | <i>Xylosma longifolium</i>  | Bixaceae    | Draindu | -              |
| 129. | <i>Zizyphus jujuba</i>      | Rhamnaceae  | Beri    | -              |

#### (B) SHRUBS

| S. No. | Scientific Name                  | Family        | Local Name   | English Name |
|--------|----------------------------------|---------------|--------------|--------------|
| 1.     | <i>Adhatoda vasica</i>           | Acanthaceae   | Basuti       | -            |
| 2.     | <i>Agave americana</i>           | Asparagaceae  | Ramban       | -            |
| 3.     | <i>Andrachne cordifolia</i>      | Euporbiaceae  | Durlu        | -            |
| 4.     | <i>Artemesia vulgaris</i>        | Compositae    | Drubsha      | -            |
| 5.     | <i>Artemesia Vestata</i>         | -do-          | -            | -            |
| 6.     | <i>Berberis aristata</i>         | Berberidaceae | Kasmal       | -            |
| 7.     | <i>Berberis lycium</i>           | -do-          | Kasmal       | -            |
| 8.     | <i>Boehmeria platyphylla</i>     | Urticaceae    | Sisar        | -            |
| 9.     | <i>Calotropis procera</i>        | Apocynaceae   | Akh          | -            |
| 10.    | <i>Carissa opaca</i>             | Leguminosae   | Garna        | -            |
| 11.    | <i>Carissa spinarium</i>         | -do-          | Garna, Kharn | -            |
| 12.    | <i>Caryopteris wallichiana</i>   | Verbenaceae   | Chingari     | -            |
| 13.    | <i>Caryopteris grata</i>         | -do-          | Rumri        | -            |
| 14.    | <i>Cassia occidentalis</i>       | Legumiosae    | Chakunda     | -            |
| 15.    | <i>Cassia tora</i>               | -do-          | -            | -            |
| 16.    | <i>Collebrokea oppositifolia</i> | Labiatae      | Bansa        | -            |
| 17.    | <i>Cotoneaster acuminata</i>     | Rosaceae      | Riunsh       | -            |
| 18.    | <i>Cotoneaster bacillaris</i>    | -do-          | Riunsh       | -            |
| 19.    | <i>Cotoneaster microphylla</i>   | -do-          | Riunsh       | -            |
| 20.    | <i>Crotalaria prostate</i>       | Leguminosae   | -            | -            |
| 21.    | <i>Debregeasia hypolenca</i>     | Urticaceae    | Siaru        | -            |
| 22.    | <i>Daphne cannabina</i>          | Thymelaeaceae | Kaola        | -            |
| 23.    | <i>Desmodium sabuense</i>        | Legumiosae    | Safed Kathi  | -            |
| 24.    | <i>Desmodium tiliaefolia</i>     | -do-          | Safed Kathi  | -            |
| 25.    | <i>Deutzia corymbosa</i>         | Saxifragaceae | Chururu      | -            |
| 26.    | <i>Deutzia staminea</i>          | -do-          | Chururu      | -            |
| 27.    | <i>Dentzia viscosa</i>           | Sapindaceae   | Mendru       | -            |
| 28.    | <i>Duranta plumieri</i>          | Verbenaceae   | -            | -            |
| 29.    | <i>Elaeagnus umbellata</i>       | Elaeagnaceae  | Geai         | -            |



|     |                         |                |                |          |
|-----|-------------------------|----------------|----------------|----------|
| 30. | Elsholtzia polystachyan | Labiatae       | Pothi, Jaunkra | -        |
| 31. | Euphorbia royleanair    | Euphorbiaceae  | Thor           | -        |
| 32. | Euphorbia prolifera     | -do-           | -              | -        |
| 33. | Euonymus lacerus        | Celastraceae   | -              | -        |
| 34. | Hamiltonia suaveolens   | Rubiaceae      | Bari podari    | -        |
| 35. | Indigofera gerardiana   | Leguminosae    | Kathi          | -        |
| 36. | Indigofera habepetala   | -do-           | Kathi          | -        |
| 37. | Indigofera heterantha   | -do-           | Kathi          | -        |
| 38. | Indigofera pulchella    | -do-           | Kathi          | -        |
| 39. | Inula cappa             | Compositae     | -              | -        |
| 40. | Inula grandiflora       | -do-           | -              | -        |
| 41. | Ipomaea spp.            | Convolvulaceae | Japlota        | -        |
| 42. | Japlota curcas          | Euphorbiaceae  | -              | -        |
| 43. | Lantana camara          | Verbenaceae    | Choti podari   | -        |
| 44. | Laptodermis lanceolata  | Rubiaceae      | Bilan          | -        |
| 45. | Limonia crenulata       | Rubiaceae      | Reeni parasite | -        |
| 46. | Loranthus ligustinus    | Loranthaceae   | Changari       | -        |
| 47. | Lonicera angustifolia   | Caprifoliaceae | -              | -        |
| 48. | Lonicera parviflora     | -do-           | -              | -        |
| 49. | Murraya exiolicca       | Rutaceae       | Gandelu        | -        |
| 50. | Murraya koenigii        | -do-           | -              | -        |
| 51. | Myrsine africana        | Myrsinaceae    | Kanaru         | -        |
| 52. | Nerium oleander         | Apocynaceae    | -              | oleander |
| 53. | Nyctanthes orbortristis | Oleaceae       | Dlatchi        | -        |
| 54. | Phoenix acaulis         | Palmae         | kajre          | -        |
| 55. | Plectranthus rugosus    | Labiatae       | Chichri        | -        |
| 56. | Plectranthus coetsa     | -do-           | Bangra         | -        |
| 57. | Potentilla fruticosa    | Rosaceae       | -              | -        |
| 58. | Potentilla rigida       | -do-           | -              | -        |
| 59. | Prinsepia utilis        | -do-           | Bekhal         | -        |
| 60. | Rhus continus           | Anacardiaceae  | Rikhal         | -        |
| 61. | Rhus punjabensis        | -do-           | Rikhal         | -        |
| 62. | Rhus semialata          | -do-           | Rikhal         | -        |
| 63. | Rhododendron campanula  | Ericaceae      | kashmiri Patha | -        |
| 64. | Ricinus communis        | Euphorbiaceae  | Arand          | -        |
| 65. | Roylea calycina         | Labiatae       | Karnoi Titpati | -        |
| 66. | Rubus biflorus          | Rosaceae       | Kala Akha      | -        |
| 67. | Rubus ellipticus        | -do-           | Kala Akha      | -        |
| 68. | Rubus lasiocarpus       | -do-           | Kala Akha      | -        |
| 69. | Rubus paniculatus       | -do-           | Kala Akha      | -        |
| 70. | Salix Hastata           | Salicaceae     | Buins          | -        |
| 71. | Salix denitculata       | -do-           | Buins          | -        |
| 72. | Salix dephnoides        | -do-           | Buins          | -        |



|     |                               |                |               |   |
|-----|-------------------------------|----------------|---------------|---|
| 73. | <i>Sarcococca saligna</i>     | Euphorbiaceae  | Charabri      | - |
| 74. | <i>Skimmia laureola</i>       | Rutaceae       | Nayr          | - |
| 75. | <i>Spiraea canescens</i>      | Rosaceae       | Chakh, Khosti | - |
| 76. | <i>Solanum verbascifolium</i> | Solanaceae     | Ban Temaku    | - |
| 77. | <i>Tamarix gallica</i>        | Tamaricaceae   | Jhao          | - |
| 78. | <i>Viburnum coriaceum</i>     | Caprifoliaceae | Diha          | - |
| 79. | <i>Viburnum cotinifolium</i>  | -do-           | Dab           | - |
| 80. | <i>Visum album</i>            | Loranthaceae   | Bhangra       | - |
| 81. | <i>Vitex negundo</i>          | Verbenaceae    | Banha         | - |
| 82. | <i>Woodfordia floribunda</i>  | Lythraceae     | Dawe          | - |
| 83. | <i>Zanthoxylum alatum</i>     | Rutaceae       | Tirmira       | - |

### (C) HERBS

| S. No. | Scientific Name                | Family        | Local Name     | English Name     |
|--------|--------------------------------|---------------|----------------|------------------|
| 1.     | <i>Achillea millefolium</i>    | Compositae    | Foa            | -                |
| 2.     | <i>Achyranthes bidentata</i>   | Amarathaceae  | Putkanda       | -                |
| 3.     | <i>Achyranthes aspera</i>      | -do-          | -do-           | -                |
| 4.     | <i>Aconitum heterophyllum</i>  | Ranunculaceae | Padish, Mohra  | -                |
| 5.     | <i>Acorus calamus</i>          | Avaceae       | Barin          | Sweat flag       |
| 6.     | <i>Adiantum capillus</i>       | -             | -              | Maiden hair fern |
| 7.     | <i>Agrimonia eupatoria</i>     | Rosaceae      | Kanaula        | -                |
| 8.     | <i>Ainsliaea aptera</i>        | Compositae    | Durwa          | -                |
| 9.     | <i>Ajuga parviflora</i>        | Lamiaceae     | Darpatre       | -                |
| 10.    | <i>Allium loratum</i>          | Liliaceae     | -              | -                |
| 11.    | <i>Anaphalis cinnamomea</i>    | Compositae    | -              | Pimperial        |
| 12.    | <i>Anaphalis contorta</i>      | -do-          | -              | -                |
| 13.    | <i>Anaphalis triplinervis</i>  | -do-          | -              | -                |
| 14.    | <i>Anemone obtusiloba</i>      | Ranunculaceae | -              | -                |
| 15.    | <i>Anemone rivularis</i>       | -do-          | Carbini mamiri | -                |
| 16.    | <i>Aralia cachemirica</i>      | Araliaceae    | -              | -                |
| 17.    | <i>Argemone mexicana</i>       | Papaveraceae  | -              | -                |
| 18.    | <i>Arisaema hellebarfolium</i> | Araceae       | -              | -                |
| 19.    | <i>Arisaema intermedium</i>    | -do-          | -              | -                |
| 20.    | <i>Arisaema wallichianum</i>   | -do-          | -              | Cobra Plant      |
| 21.    | <i>Asparagus adscendens</i>    | Liliaceae     | Shasi mulu     | -                |
| 22.    | <i>Asplenium polypodioides</i> | -             | Linger         | -                |
| 23.    | <i>Aster molliusculus</i>      | Compositae    | -              | -                |



|     |                                   |               |                  |                 |
|-----|-----------------------------------|---------------|------------------|-----------------|
| 24. | <i>Aster asperulus</i>            | -do-          | -                | -               |
| 25. | <i>Atropa belladonna</i>          | Solanaceae    | Saagngur         | -               |
| 26. | <i>Boenninghausenia albiflora</i> | Rutaceae      | Pessumar         | -               |
| 27. | <i>Prunella vulgaris</i>          | Lamiaceae     | Potindu          | -               |
| 28. | <i>Bupleurum lanceolatum</i>      | Umbelliferae  | Banjwain         | -               |
| 29. | <i>Bupleurum tenue</i>            | -do-          | Banjwain         | -               |
| 30. | <i>Campanula tatifokia</i>        | Companulaceae | -                | -               |
| 31. | <i>Campanula colorata</i>         | -do-          | -                | -               |
| 32. | <i>Cannabis sativa</i>            | Urticaceae    | Bhang            | Hemp            |
| 33. | <i>Capsella bursapastroris</i>    | Cruciferae    | -                | Shepherds purse |
| 34. | <i>Carum copticum</i>             | Umbelliferae  | Ajwain, Jawain   | -               |
| 35. | <i>Cassia tora</i>                | Leguminosae   | -                | -               |
| 36. | <i>Chaerophyllum villosum</i>     | Umbelliferae  | Khelti           | -               |
| 37. | <i>Chenopodium album</i>          | Amaranthaceae | -                | -               |
| 38. | <i>Coleus aromaticus</i>          | Lamiaceae     | Pathan beg       | -               |
| 39. | <i>Datura stramonium</i>          | Solanaceae    | Datura           | -               |
| 40. | <i>Delpinium spp.</i>             | Ranunculaceae | -                | -               |
| 41. | <i>Delpinium elatum</i>           | -do-          | -                | -               |
| 42. | <i>Delpinium vestitum</i>         | -do-          | Kalulu           | -               |
| 43. | <i>Echinops niveus</i>            | Compositae    | -                | -               |
| 44. | <i>Elsholtzia incisa</i>          | Lamiaceae     | Banjwana         | -               |
| 45. | <i>Erigeron multiradiatus</i>     | Asteraceae    | -                | -               |
| 46. | <i>Foeniculum vulgare</i>         | Apiaceae      | Saunf            | Fenua           |
| 47. | <i>Fragaria indica</i>            | Rosaceae      | Bhumpa           | Straw berry     |
| 48. | <i>Fragaria vesca</i>             | -do-          | -                | -               |
| 49. | <i>Fumaria parviflora</i>         | Fumariaceae   | Pitpapra         | -               |
| 50. | <i>Galium spp.</i>                | Rubiaceae     | -                | -               |
| 51. | <i>Gentiana kurroo</i>            | Gentianaceae  | Karu             | -               |
| 52. | <i>Geranium nepalense</i>         | -do-          | -                | -               |
| 53. | <i>Geranium ocellaum</i>          | -do-          | -                | -               |
| 54. | <i>Geranium rebertianum</i>       | -do-          | -                | -               |
| 55. | <i>Geranium wallichianum</i>      | -do-          | Chowhri          | -               |
| 56. | <i>Girardinia heterophylla</i>    | Urticaceae    | Bichhubuti       | -               |
| 57. | <i>Habenaria dense</i>            | Orchidaceae   | Kharwar          | -               |
| 58. | <i>Habenaria goleondra</i>        | -do-          | Sirab            | -               |
| 59. | <i>Halenia elliptica</i>          | Gentianaceae  | Pitpapra         | -               |
| 60. | <i>Hydrocotyle asiatica</i>       | Umbelliferae  | Brahmi           | -               |
| 61. | <i>Impatiens camphorata</i>       | Balsaminaceae | -                | -               |
| 62. | <i>Impatiens roylei</i>           | -do-          | -                | Balsam          |
| 63. | <i>Iris nepalensis</i>            | Iridaceae     | Brechra, Kharera |                 |



|      |                                   |                  |                 |            |
|------|-----------------------------------|------------------|-----------------|------------|
| 64.  | <i>Justicia simplex</i>           | Acanthaceae      | -               | -          |
| 65.  | <i>Lathyrus pratensis</i>         | Leguminosae      | -               | -          |
| 66.  | <i>Lilium giganteum</i>           | Liliaceae        | -               | -          |
| 67.  | <i>Malva rotundifolia</i>         | Malvaceae        | Dodu            | -          |
| 68.  | <i>Mentha sylvestris</i>          | Lamiaceae        | Podina          | -          |
| 69.  | <i>Nardostachys jatamansi</i>     | Valerianeae      | Jatamansi       | -          |
| 70.  | <i>Nepta ciliaris</i>             | Labiatae         | Brun            | -          |
| 71.  | <i>Nepta elliptica</i>            | -do-             | -               | -          |
| 72.  | <i>Papaver dubium</i>             | Papaveraceae     | -               | Poppy      |
| 73.  | <i>Picrorhiza kurroa</i>          | Scrophulariaceae | Karu            | -          |
| 74.  | <i>Pilea umbrosa</i>              | Urticaceae       | Charmali        | -          |
| 75.  | <i>Pimpinella acuminata</i>       | Umbelliferae     | -               | -          |
| 76.  | <i>Pimpinella diversifolia</i>    | -do-             | -               | -          |
| 77.  | <i>Podophyllum hexandrum</i>      | Berberidaceae    | Bankakri, Papri | -          |
| 78.  | <i>Polygonatum cirrhifolium</i>   | Liliaceae        | -               | -          |
| 79.  | <i>Polygonatum verticillatum</i>  | -do-             | Salang mishri   | -          |
| 80.  | <i>Polygonatum alatum</i>         | Polygonaceae     | Malora          | -          |
| 81.  | <i>Polygonum capitatum</i>        | Polygonaceae     | -               | -          |
| 82.  | <i>Potentilla argyrophylla</i>    | Rosaceae         | -               | -          |
| 83.  | <i>Potentilla fulgens</i>         | -do-             | -               | -          |
| 84.  | <i>Potentilla nepalensis</i>      | -do-             | Dora            | -          |
| 85.  | <i>Prenanthes brunoniana</i>      | Compositae       | Dudhli          | -          |
| 86.  | <i>Primula denticulata</i>        | Primulaceae      | Kauri           | -          |
| 87.  | <i>Ranunculus arvensis</i>        | Ranunculaceae    | -               | Butter cup |
| 88.  | <i>Rumex hastatus</i>             | Polygonaceae     | Malori          | -          |
| 89.  | <i>Rumex nepalensis</i>           | -do-             | Malori          | -          |
| 90.  | <i>Salvia glutinosa</i>           | Labiatae         | -               | -          |
| 91.  | <i>Salvia lanata</i>              | -do-             | -               | -          |
| 92.  | <i>Saxifraga diversifolia</i>     | Saxifragaceae    | -               | -          |
| 93.  | <i>Scutellaria linearis</i>       | Labiatae         | -               | -          |
| 94.  | <i>Sida rhombifolia</i>           | Malvaceae        | -               | -          |
| 95.  | <i>Sisymbrium thalianum</i>       | Cruciferae       | Jangli Sarson   | -          |
| 96.  | <i>Sisymbrium iris</i>            | -do-             | Jangli Sarson   | -          |
| 97.  | <i>Strobilanthes atropurpurea</i> | Acathacea        | Mashna          | -          |
| 98.  | <i>Strobilanthes glutinosus</i>   | Acathacea        | -               | -          |
| 99.  | <i>Swertia chirata</i>            | Gentianaceae     | Charaita        | -          |
| 100. | <i>Swertia paniculata</i>         | -do-             | Charaita        | -          |
| 101. | <i>Thalictrum</i>                 | Ranunculaceae    | -               | -          |



|      |                        |                  |              |   |
|------|------------------------|------------------|--------------|---|
|      | foliolosum             |                  |              |   |
| 102. | Thymus serpyllum       | Labiatae         | Ban ajwayan  | - |
| 103. | Tragopogon gracile     | Compositae       | -            | - |
| 104. | Trifolium pratense     | Leguminosae      | -            | - |
| 105. | Urtica dioica          | Uricaceae        | Kugas        | - |
| 106. | Valeriana parviflora   | Valerineae       | Kugas        | - |
| 107. | Valeriana hardwichii   | -do-             | Nihani, Nakh | - |
| 108. | Valeriana wallichii    | -do-             | Mushkbala    | - |
| 109. | Verbascum thapsus      | Scrophulariaceae | Gaddi Tamaku | - |
| 110. | Veronica serpyllifolia | -do-             | -            | - |
| 111. | Vicia rigidula         | Leguminosae      | -            | - |
| 112. | Vicia tetrasperma      | -do-             | -            | - |
| 113. | Viola canescens        | Violaceae        | Banafsha     | - |
| 114. | Viola serpens          | -do-             | Banafsha     | - |

#### (D) CLIMBERS

| S. No. | Scientific Name        | Family         | Local Name       | English Name |
|--------|------------------------|----------------|------------------|--------------|
| 1.     | Bauhinia vahlii        | Leguminosae    | Taur             | -            |
| 2.     | Caesalpinia bonducella | -do-           | Kanderi          | -            |
| 3.     | Caesalpinia sepiaria   | -do-           | Kanderi          | -            |
| 4.     | Clematis conneta       | Renunculaceae  | -                | -            |
| 5.     | Clematis grata         | -do-           | -                | -            |
| 6.     | Clematis gouriana      | -do-           | BelKangu, Chabru | -            |
| 7.     | Clematis montana       | -do-           | -                | -            |
| 8.     | Cryptalepis buechanani | Asclepiadaceae | Khurnmble        | -            |
| 9.     | Cuscuta reflexa        | Convolvulaceae | Akash Bel        | -            |
| 10.    | Dioscorea bulbifera    | Dioscoreaceae  | -                | -            |
| 11.    | Dioscorea belophylla   | -do-           | Tardi            | -            |
| 12.    | Dioscorea deltoidea    | -do-           | -                | -            |
| 13.    | Hedera helix           | Araliaceae     | Grumru           | -            |
| 14.    | Ichnocarpus frutescens | Apocynaceae    | -                | -            |
| 15.    | Jasminum officinale    | Oleaceae       | Banmalti         | -            |
| 16.    | Jasminum humile        | -do-           | -                | -            |
| 17.    | Jasminum pubescens     | -do-           | Dure             | -            |
| 18.    | Millettia auriculata   | Leguminesae    | Salanghe         | -            |
| 19.    | Rosa macrophylla       | Rosaceae       | Kujas            | -            |
| 20.    | Rosa moschata          | -do-           | Kujas            | -            |
| 21.    | Rubia cordifolia       | Rubiaceae      | -                | -            |
| 22.    | Smilax ashdra          | Liliaceae      | -                | -            |
| 23.    | Smilax parviflora      | -do-           | -                | -            |
| 24.    | Vitis paravifolia      | Vitaceae       | -                | -            |
| 25.    | Vitis semicordata      | -do-           | Mizao            | -            |



|     |                    |               |      |   |
|-----|--------------------|---------------|------|---|
| 26. | Vitis trifoliata   | -do-          | Pola | - |
| 27. | Zehneria umbellata | Cucurbitaceae | -    | - |

**(D) GRASSES AND BAMBOOS**

|     |                          |            |              |       |
|-----|--------------------------|------------|--------------|-------|
| 1.  | Andropogon halepensis    | Graminae   | Phulna       | -     |
| 2.  | Aristida depressa        | -do-       | Lambaru      | -     |
| 3.  | Arundinaria falcata      | -do-       | Nirgal       | -     |
| 4.  | Arundinaria spathiflora  | -do-       | Gari, Ringal | -     |
| 5.  | Arundinaria brasiliensis | -do-       | -            | -     |
| 6.  | Avena aspera             | -do-       | -            | -     |
| 7.  | Bambusa arundinaceae     | -do-       | Maggar       | -     |
| 8.  | Bambusa nutans           | -do-       | Daraog       | -     |
| 9.  | Bothriochloa intermedia  | -do-       | Palwan       | -     |
| 10. | Chrysopogon martinii     | -do-       | Khawi        | -     |
| 11. | Cynodon dactylon         | -do-       | Dub          | -     |
| 12. | Cyperus niveos           | Cyperaceae | -            | -     |
| 13. | Dendrocalamus strictus   | Gramineae  | Bans         | -     |
| 14. | Erianthus hamiltonii     | -do-       | Mohr Bans    | -     |
| 15. | Erianthus fulmi          | -do-       | Kaki         | -     |
| 16. | Eriophorum comesum       | -do-       | Chor bager   | -     |
| 17. | Heteropogon montanus     | -do-       | Sariala syu  | Tanli |
| 18. | Ischaemum angustifolium  | -do-       | Baggar       | -     |
| 19. | Panicum pitcatum         | -do-       | -            | -     |
| 20. | Panicum floccidum        | -do-       | -            | -     |
| 21. | Phicum asperum           | -do-       | -            | -     |
| 22. | Poa annua                | -do-       | -            | -     |
| 23. | Setaria glance           | -do-       | Siun         | -     |
| 24. | Setaria viridis          | -do-       | -            | -     |

Help of subject matter experts shall be taken for updating the list.