









Indian Plant Species

In the Appendices of CITES



Maheshwar Hegde, K. Suresh, K.R. Sasidharan B. Gurudev Singh, T.P. Raghunath and N. Krishnakumar



INSTITUTE OF FOREST GENETICS AND TREE BREEDING

Indian Council of Forestry Research and Education Coimbatore - 641 002

Dr. N. Krishnakumar, IFS Director







वन आनुवंशिकी एवं वृक्ष प्रजनन संस्थान भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद पि.बी.नं. 1061 कोयम्बल्त्र 641 002

Ministry of Environment and Forests, Government of India
Institute of Forest Genetics and Tree Breeding

Indian Council of Forestry Research & Education

(An ISO 9001:2000 Certified Organisation) P.B. No. 1061, R.S. Puram, HPO., Coimbatore - 641 002, Tamil Nadu, India

PREFACE

CITES (the Convention on International Trade in Endangered Species of Wild Fauna and Flora) ensures that international trade in specimens of wild animals and plants does not threaten their survival in the wild. At present, 175 countries are party to this international convention and India is also a party since 1976. Roughly 5,000 species of animals and 28,000 species of plants are protected by CITES against over-exploitation through international trade. All these species are included in various CITES appendices according to degree of protection required to regulate the trade.

The Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore has been designated as a Scientific Authority for CITES in India by Ministry of Environment and Forests (MoEF), Govt. of India - the CITES Management Authority, during 2011. Since then, IFGTB is actively involved in various CITES related activities. It is being felt that there is a lack of awareness about CITES and species included in CITES appendices among various scientific institutes and also among enforcement agencies in India like Directorate of Revenue Intelligence (DRI), Customs, the Central Bureau of Investigation (CBI), the State Police, Forest Department, Coast Guards and other Paramilitary forces posted in borders. Therefore, the MoEF has entrusted IFGTB to conduct awareness training programmes for various CITES implementation agencies in India through Workshops, preparation of booklets and brochures on CITES related species and issues.

Several Indian animal and plant species have been included in CITES appendices. IFGTB has prepared booklets on check-list of various animal species groups and plants included in CITES for benefit of trainees. This booklet on 'Indian Plants in the Appendices of CITES - A Checklist' is one such ready reckoner. The information provided in this brochure is compiled from various published sources. The photographs included are also taken from various sources published on internet. These photographs are just indicative of the species listed. For further detailed identification of plants and their parts other published books on Indian floras need to be referred.

The need of such publications emerged during trainings conducted for officials of various State Forest Departments, Directorate of Revenue Intelligence, Customs and other CITES enforcement agencies in India. Such a reckenor will be an eye opener and this booklet on plants is one among series of publications on CITES listed Indian species like birds, insects, reptiles, mammals etc.

Your sincere comments and feedbacks are solicited.

Dr. N. Krishnakumai

IFGTB, Coimbatore

Indian Plants in The CITES Appendices - A Check List

Maheshwar Hegde, K. Suresh, K.R. Sasidharan, B. Gurudev Singh, T.P. Raghunath and N. Krishnakumar Institute of Forest Genetics and Tree Breeding, Coimbatore - 2.

India is considered as one of the mega biodiversity countries. Due to its shear area, range of latitude, rainfall and other climatic and geographic conditions India possesses one of the richest floras in the world. It has been estimated that there are more than 18000 species of flowering plants in India, which account for more than 7 percent of the total plant species of the world. India also has large human population and it is one of the most thickly populated countries in the world. The rich biodiversity is under threat not only due to large human population but also because of other factors like habitat loss and climate change. Many plant species are becoming extinct, endangered, threatened or vulnerable due to various reasons including overexploitation in their natural habitats. According to Botanical Survey of India, about 45 species are critically endangered, 113 species are endangered, 89 species vulnerable, 7 species are extinct and two species are extinct in wild. Many plant species in India are being harvested from wild indiscriminately and traded within the country and also across the border for their various uses like medicinal, aromatic, aesthetic etc.,

CITES (the Convention on International Trade in Endangered Species of Wild Fauna and Flora) is an international agreement between governments and it has come into existence to ensure international trade in specimens of wild animals and plants does not threaten their survival. The species protected by CITES are listed in three Appendices namely Appendix-I, II and III according to the degree of protection required to control overexploitation. Appendix-I includes species most endangered and are threatened with extinction. Appendix-II includes species not necessarily threatened with extinction, but in which trade must be controlled in order to avoid over-utilization which is detrimental to survival of the species. Appendix III is a list of species included at the request of a country that already regulates trade in the species and that needs the cooperation of other countries to prevent unsustainable or illegal exploitation.

About 75 Indian plant species are listed in various CITES Appendices. Of these, 14 plants are listed in Appendix-I, 57 plants are listed in Appendix-II. Although India has not proposed any plants to be included in Appendix III, 4 plants that are listed in Appendix -III by Nepal have been included in Indian plants list as distribution of these plants overlap between two countries. Apart from above species, the entire Orchidaceae species (1309 species) and all the species of Cactaceae (excluding Pereskia spp. Pereskiopsis spp. and Quiabentia spp.) have been included in CITES appendices.

The CITES designation to these plants listed include not only live or dead plants but also plant parts like seeds, vegetative propagules, flowers, leaves and plant or plant part extracts and derivatives. Therefore, apart from plant and plant parts the products prepared from plants, plant parts and extracts are also subjected to CITES control. This check-list of Indian plants in CITES Appendices is a very useful ready reckoner for various CITES enforcement agencies in the country.

APPENDIX - I	S. No.	Family	Species	Common Name	Synonyms & Remarks	Parts traded & Purpose	Habit & Distribution
	1	psteraceae	Saussurea costus (Falc.) Lipschitz.	Costus, Kuth, Kashmirja	-	Live plants, deriva- tives & oil; Dried roots in perfumery, preservation & medicine	Annual Herb; W. Himalayas, Jammu & Kashmir & Himachal Pradesh. Critically endangered.
	2	Chagareae	Cycas beddomei _{Dyer}	cycad		Cones; Plants have aesthetic & medicinal uses	Perennial Shrub; Endemic to Cuddapah – Tirupati range of the south eastern ghats in Andhra Pradesh.
	3	Webenthaceae	Nepenthes khasiana Hook. f.	Pitcher plant; monkey cups; tiewrakot; ksete-phare; memang koksi	-	Pitchers; Ethnomedicinal & ornamental uses.	Shrub; Meghalaya.
	4	Orchidaceae	Renanthera imschootiana Rolfe	Red vanda	-	Whole plants & Flowers; ornamental uses	Epiphytic herb; Assam, Manipur, Nagaland, Mizoram.
	5	Orchidaceae	Vanda coerulea Griff. ex Lindl.	Blue vanda	-	Whole plants & Flowers; ornamental uses.	Epiphytic herb; Assam, Arunachal Pradesh, Manipur, Meghalaya and Nagaland.
		orchidaceae	Paphiopedilum spp.	Ladies slipper orchids (9 species are included)	-	Whole plant &flowers aesthetic value.	

S. No.	Family	Species	Common Name	Synonyms & Remarks	Parts traded & Purpose	Habit & Distribution	APPENDIX - I
6	Orthidaceae	a) Paphiope- dilum druryi (Bedd.) Stein	Ladies slipper orchid	-	Whole plant & flowers; aesthetic value.	Terrestrial Herb; Agasthiamalai, Travancore Hills, Kerala. Endemic.	
7	Orchidateae	b) Paphiope- dilum charlesworthii (Rolfe) Pfitz.	Ladies slipper orchid	-	Whole plant &flowers aesthetic value.	Epiphytic herb; West Bengal, Arracan hills and border tracts of Lushai Hills.	
8	Orthidateae	c) Paphiope- dilum fairrieanum (Lindl.) Stein	Asian lady's slipper; lost orchid	-	Whole plant &flowers aesthetic value.	Terrestrial Orchid Endemic to Eastern Himalaya; small pockets in Sikkim and Arunachal Pradesh.	
9	Orchidateae	d) Paphiope- dilum hirsutissimum (Lindl. ex Hook.) Stein	Ladies slipper orchid	-	Whole plants &flowers aesthetic value.	Terrestrial herb; NE India.	
10	Orchidaceae	e) Paphiope- dilum insigne (Wall. ex Lindl.) Pfitz.	Ladies slipper orchid	-	Whole plant &flowers aesthetic value.	Terrestrial herb; Khasi Hills, Meghalaya.	
11	Orthidateae	f) Paphiope- dilum spicerianum (Rchb.f.) Pfitz.	Ladies slipper orchid	-	Whole plants &flowers aesthetic value.	Terrestrial lithophytic orchid; Mizoram, Manipur. Bhutan.	

APPENDIX - I	S. No.	Family	Species	Common Name	Synonyms & Remarks	Parts traded & Purpose	Habit & Distribution
	12	Orthidaceae	g) Paphiope- dilum venustum (Wall. ex Sims.) Pfitz.	Ladies slipper orchid	-	Whole plant &flowers aesthetic value.	Terrestrial orchid; Meghalaya, Sikkim, Assam.
	13	Orthidaceae	h) Paphiope- dilum villosum (Lindl.) Stein	Ladies slipper orchid	-	Whole plant &flowers Aesthetic.	Terrestrial or Epiphytic orchid; Assam, Mizoram.
	14	Orthidaceae	I) Paphiop- edilum wardii Summerh.	Ladies slipper orchids	-	Whole plant &flowers Aesthetic value.	Terrestrial orchid; Lohit district of Arunachal Pradesh.

S. No.	Family	Species	Common Name	Synonyms & Remarks	Parts traded & Purpose	Habit & Distribution	APPENDIX - II
1	Arrageise	Sternbergia fischeriana (Herb.) M. Roem.	Snowdrops, Sternbergias	Sternbergia vernalis (Mill.) Gorer & J.H.Harvey	Bulb & flowers; ornamental value.	Bulbous herb; Kashmir.	
2	Mochaceae	Ravoulfia serpentina Benth. ex Kurz	Sarpagandha, Snakeroot, Devil- pepper	-	Root & root extracts; medicinal purpose.	Perennial shrub ; Throughout India including the Andaman Islands.	
3	Belletidaleae	Sinopodophyll um hexandrum (Royle) T.S.Ying	Indian podophy- llum (Eng.) Bakrachimaka, Bhananbakra, Papra, Papri (Hindi)	Podophy-llum hexan-drum Royle	Fresh & dried rhizome & roots; medicinal purpose.	Succulent herb having rhizome ; Inner range of Himalayas from Kashmir to Sikkim.	
4	cataceae	All Cactaceae species.	-	Excludes Pereskia spp. Pereskiopsis spp. & Quiabentia spp	Whole plant; ornamental values.	Spiny herbs or shrubs; Many species occur in dry tracts of India. Some are cultivated.	
	Chatheaceae	Cyathea spp.	Tree Ferns 2 genera viz. Alsophila (8 spp.) and Sphaero- pteris (6 spp.) are included	-			
5	O'atheaceae	a) Alsophila andersonii Scott ex Bedd.	Tree fern	Cyathea andersonii (Scott ex Bedd.) Copel.	Whole plant; ornamental purposes.	Tree Fern growing up to 6 m tall; N-E India.	

APPENDIX - II	S. No.	Family	Species	Common Name	Synonyms & Remarks	Parts traded & Purpose	Habit & Distribution
	6	Chatheaceae	a) Alsophila balakrishnanii (R.D.Dixit & Tripathi) R.D. Dixit	Tree fern	Cyathea balakrishnanii R.D. Dixit & Tripathi	Whole plant; ornamental purposes.	Medium sized fern; Madhya Pradesh, Tamil Nadu, Kerala.
	7	Chatheaceae	c) Alsophila costularis _{Bak} .	Tree fern	Cyathea chinensis Copel.	Stem used as food and also construction purposes.	Medium sized tree fern ; Sikkim, Khasi Hills, Lushai Hills.
	8	Chatheaceae	d) Alsophila gammiei R.D. Dixit.	Tree fern	-	Whole plant ornamental purposes.	Medium sized tree fern; Sikkim,Arunachal Pradesh, Assam, Meghalaya.
	9	Chatheaceae	e) Alsophila gigantea Wall. ex Hook.	Tree fern	Cyathea gigantea (Wall. ex Hook.) Holtt.	Stems Food & plants used as ornamental.	Medium sized tree fern; Sikkim, Meghalaya, Darjeeling, Arunachal Pradesh, Madhya Pradesh.
	10	Chatheaceae	f) Alsophila khasyana Moore ex Kuhn	Tree fern	Cyathea khasyana (Moore ex Kuhn) Domin Alsophila ornata Scott ex Bedd.; Alsophila oldhami Bedd.	Stem as food &Whole plant ornamental purposes.	Medium sized tree fern; Meghalaya.
	11	Chatheaceae	g) Alsophila nilgirensis (Holtt.) Tryon	Tree fern	Cyathea nilgirensis Holtt.	Whole plant ornamental purposes.	Medium sized tree fern; Endemic to S. India- Tamil Nadu & Kerala.

S. No.	Family	Species	Common Name	Synonyms & Remarks	Parts traded & Purpose	Habit & Distribution	APPENDIX - II
12	Chatheaceae	h) Alsophila spinulosa (Wall. ex Hook.) Tryon	Tree Fern	Cyathea spinulosa Wall. ex Hook.	Stem as food & also used in making pots. Whole plant used as ornamental.	Medium sized tree fern; Sikkim, Meghalaya, Assam, West Bengal (Darjeeling), Madhya Pradesh, Andhra Pradesh & Tamil Nadu.	
13	Chatheaceae	i) Sphaeropteris albosetacea (Bedd.) Tryon	Tree fern	Alsophila albosetacea Bedd.; Cyathea albosetacea (Bedd.) Copel	-	Medium sized tree fern; Nicobar Islands.	
14	Chatheaceae	j) Sphaeropteris brunoniana (Wall. ex Hook.) Tryon	Tree fern	Alsophila brunoniana Wall. ex Hook.; Cyathea brunoniana (Wall. ex Hook.) Clarke & Bak.	Pinnae used in worshipping and also as food.	Medium sized tree fern; West Bengal (Darjeeling, Kalimpong); Meghalaya (Khasia hills); Arunachal Pradesh.	
15	Chatheaceae	k) Sphaerop- teris crinita (Hook.) Trayon	Tree fern	Alsophila crinita Hook.; Cyathea crinita (Hook.) Copel.	Plant for ornamental purposes.	Medium sized tree fern; South India - Tamil Nadu, Kerala.	
16	Chatheaceae	l) Sphaeropteris glauca (Blume) Tryon.	Tree fern	Alsophila contaminans Wall. ex Hook.; Cyathea contaminans (Wall. ex Hook.) Copel.	Stem as food& Plant for ornamental purpose.	Medium sized tree fern; N-E India.	
17	Chatheaceae	m) Sphaerop- teris holttumiana (Rao & Jamir) R.D. Dixit	Tree fern	Cyathea holttumiana Rao & Jamir	-	Medium sized tree fern; Nagaland.	

APPENDIX - II	S. No.	Family	Species	Common Name	Synonyms & Remarks	Parts traded & Purpose	Habit & Distribution
	18	Clatheaceae	n) Sphaeropteris nicobarica (N.P. Balakr. & R. D. Dixit) R.D. Dixit		Cyathea nicobarica N.P. Balakr. & R.D. Dixit	-	Medium sized tree fern; Nicobar islands.
		Chagaceae	Cycadaceae species.	Cycads; In India there are 9 species included in Appendix -II	-		
	19	Cycadaceae	a) <i>Cycas</i> <i>annaikalensis</i> Rita Singh & P. Radha	cycad	-	Seeds and whole plant; Ornamental purpose.	Palm like medium sized tree; Kerala, Palaghat, Annaikal hills.
	20	Cycadaceae	b) <i>Cycas circinalis</i> L.	-do-	-	Seeds and whole plant; Ornamental purpose.	Palm like medium sized tree; Western peninsular India.
	21	Cycadaceae	c) <i>Cycas indica</i> A. Lindstrom & K. D. Hill	-do-	-	Seeds and whole plant; Ornamental purpose.	Palm like medium sized tree; Karnataka (Hassan district).
	22	Cycadaceae	d) Cycas nathorstii J. Schust.	-do-	-	-do-	Palm like medium sized tree; Tamil Nadu.

S. No.	Family	Species	Common Name	Synonyms & Remarks	Parts traded & Purpose	Hanit A, Liistriniition	
23	Cycadaceae	e) Cycas pectinata Griff.	-do-		Tender fleshy shoots and seeds are eaten. Collected for ornamental purposes.	Palm like medium sized tree; West Bengal (Darjeeling), Sikkim, Bihar, Assam (Goalpara, Kamrup), Meghalaya & Manipur.	
24	Cycadaceae	f) Cycas spherica Roxb.	-do-	-	Stem as food & also ornamental purpose.	Palm like medium sized tree; Eastern Ghats- Tamil Nadu, Karnataka , Andhra Pradesh & Orissa.	
25	Cycadaceae	g) <i>Cycas</i> <i>rumphii</i> ^{Miq.}	-do-	-	Fronds as ornamental. Sago extracted from trunk and fruits.	Palm like medium sized tree; Andaman & Nicobar Islands & Cocos Isles.	
26	Cycadaceae	h) <i>Cycas</i> <i>swamyi</i> Rita Singh & P. Radha	-do-	-	Seeds & cones: ornamental purposes	Palm like medium sized tree; Karnataka.	
27	Chragareas	i) Cycas zeylanica (J. Schust.) A. Lindstrom & K. D. Hill	-do-	-	-	Palm like medium sized tree; Andaman and Nicobar island.	
28	ion of the second	Dioscorea deltoidea Wall. ex Kunth	Elephant foot	-	Tubers; Medicinal purposes	Twining climber; Himalaya, Kashmir to Assam.	

APPENDIX - II	S. No.	Family	Species	Common Name	Synonyms & Remarks	Parts traded & Purpose	Habit & Distribution
	29	Dicksoniaceae	Cibotium barometz (L.) J. Sm	Tree ferns/Golden moss	-	Rhizomes &whole plant; ornamental & medicinal purposes.	Small, erect tree fern; N-E India.
		Euphorbiaceae	Euphorbia species	Euphorbias, In India there are 21 spp.	-		
	30	Euphorbiaceae	a) Euphorbia antiquorum L.	-	Euphorbia mayuranathanii Croizat	Seeds, plants & flowers; ornamental & medicinal purposes.	Small succulent tree or shrub; Throughout India including A&N Islands.
	31	Enbhoupiaceae	b) Euphorbia caducifolia Haines	-	-	-do-	Small succulent tree or shrub; Rajasthan.
	32	Euphorbiaceae	c) Euphorbia cattimandoo Elliott ex Wight	-	-	-do-	Small succulent tree or shrub; Andhra Pradesh.
	33	Euphorbiaceae	d) Euphorbia epiphylloides _{Kurz}	-	Small population	-	Small succulent tree or shrub; Saddle Peak on North Andaman.

S. No.	Family	Species	Common Name	Synonyms & Remarks	Parts traded & Purpose	Habit & Distribution	APPENDIX - II
34	Lundidaese	e) <i>Euphorbia lacei</i> Craib	-	Euphorbia barnhatii Croizat	Seeds, plants & flowers; ornamental & medicinal purpose.	Small succulent tree or shrub; Most Part of India.	
35	Lundializaçõe	f) Euphorbia lactea Haw.	-	-	Seeds, plants & flowers; Ornamental purpose.	Small succulent tree or shrub; Most Part of India.	
36	tudio di de la constanti di	g) Euphorbia mauritanica L.	-		Seeds, plants & flowers; Ornamental purpose.	Small succulent shrub; Cultivated native to Africa.	
37	tuh didalah	h) <i>Euphorbia milii</i> Des Moul.	crown of thorns, Christ plant, Christ thorn	-	Seeds, plants &flowers ornamental purpose.	Small succulent shrub; Cultivated Native to Madagascar.	
38	tuholialeae	i) Euphorbia neriifolia L.	Indian spurge tree	-	Seeds, plants &flowers ornamental purpose.	Small succulent tree or shrub; Native to India and also cultivated.	
39	tudiolio lese	j) Euphorbia nivulia Buch. Ham.	Leafy Milk Hedge, Holy Milk Hedge, Dog's Tongue, Katathohar, Senhur	-	Seeds, plants &flowers ornamental purpose.	Small succulent tree or shrub; Northern and central India, often planted in dry areas.	

APPENDIX - II	S. No.	Family	Species	Common Name	Synonyms & Remarks	Parts traded & Purpose	Habit & Distribution
	40	the property of the state of th	k) Euphorbia royleana _{Boiss} .	Danda Thor, Churee, Royle's Spurge	-	Seeds, plants &flowers ornamental purpose.	Small succulent tree or shrub; Western Himalaya from Kumaon to Nepal.
N D	41	tild diageas	l) Euphorbia santapaui A.N. Henry	Santapau cactus	-	-	Succulent shrub; Endemic to Agastyar Hills, Western Ghats, India.
	42	tilg pige of the state of the s	m) Euphorbia susanholmesiae Binojk. & Gopalan	-	-	-	Small tree or shrub; South India.
	43	ting diageas	n) <i>Euphorbia tortilis</i> Rottler ex Ainslie	-	-	Seeds, plants &flowers ornamental purpose.	Small tree or shrub; Throughout India.
	44	tudiodio lege	o) Euphorbia tirucalli L.	Indian Tree Spurge, Naked Lady	-	Seeds, plants &flowers ornamental purpose.	Small succulent tree or shrub; Native to Africa &introduced to India, cultivated.
	45	tudiologicas	p) Euphorbia trigona ^{Mill} .	African milk tree	-	Seeds, plants &flowers ornamental purpose.	Succulent shrub; Peninsular India and also cultivated.

S. No.	Family	Species	Common Name	Synonyms & Remarks	Parts traded & Purpose	Habit & Distribution	APPENDIX - II
46	tudiolialese	q) Euphorbia vajravelui Binojk. & N.P. Balakr.		-	Seeds, plants &flowers ornamental purpose	Succulent shrub or small tree; Endemic to Tamil Nadu.	
47	Ludioliolese	r) Euphorbia pallens ^{Dillwyn}	-	Euphorbia atoto (auct. non G. Forst.)	Latex & whole plant medicinal purpose	Woody climber; The stems are woody and not succulent; Eastern India.	
48	ting pigges of	s)Euphorbia meenae * S. Carter	-	-	Tubers& flowers	Tuber geophyte Tamil Nadu.	
49	tin dialese	t) Euphorbia fusiformis Buch. Ham.ex D. Don*	-	Euphorbia acaulis Roxb.; Euphorbia khandallensis Blatt. & Hallb.	Tubers, & flowers; ornamental & medicinal purpose.	Tuber geophyte Throughout India but rare.	
50	ting piges	u) Euphorbia nana Royle*	-	Euphorbia panchganiensis Blatt. & McCann	Tubers& flowers; Ornamental purpose.	Tuber geophyte; Endemic to western Himalaya.	
51	Leguninosae	Pterocarpus santalinus L. f.	Red Sanders	-	Heartwood, wood extract, powder, furniture and logs;	Small to medium sized tree; Andhra Pradesh, India.	

APPENDIX - II	S. No.	Family	Species	Common Name	Synonyms & Remarks	Parts traded & Purpose	Habit & Distribution
	52	riliaceae	Aloe spp.	Aloes	Aloe vera also referred as Aloe barbade- nsis excluded from App- II.	Leaves, Aloe juice and Aloe gel	Herb; Throughout India & some species are cultivated.
	53	Orchidaceae	Orchida- ceae spp.	Orchids (1309 sps. in India) The entire Orchidaceae is included in Appendix II except the genus Paphiopedilum (9 spp.) and Renanthera imschootiana.	-	Whole plants, flowers & seeds; Ornamental purpose.	Many Orchids occur in wild & some are also cultivated.
	54	Scropulariaceae	Picrorhiza kurrooa Royle ex Benth.	Kutki, Picrorhiza,	-	Rhizomes; medicinal purpose.	Perennial fleshy root ; Himalayas - Jammu & Kashmir to Sikkim.
	55	Taxaceae	Taxus wallich- iana Zucc.	Common yew or Birmi leaves	-	Dried leaves, wood, tree bark; medicinal purpose.	Medium to large sized Tree; Himalayas, Meghalaya Naga hills, Manipur.
	56	In Mindle de Le de	Aquilaria malacc- ensis Lam.	Agarwood	-	Wood, wood extracts & agar; Inner bark yields fiber & wood yields agar	Large evergreen tree ; N-E India.
	57	Invinelage tease	Gyrinops walla Gaertn.	-	-	Wood, wood extracts & agar; Inner bark yields fiber & wood yields agar	Medium sized tree ; South Western Ghats, Trinelveli Hills, India.

S. No.	Family	Species	Common Name	Synonyms & Remarks	Parts traded & Purpose	Habit & Distribution	APPENDIX - II
58	Thrheidealeae	Aquilaria khasiana Hallier f.	Agarwood	-	Wood, wood extracts & agar; Inner bark yields fiber & wood yields agar	Large sized tree; Meghalaya.	
59	Melanaceae	Nardostachys jatamansi (D.Don) DC.	Jatamansi / Spikenard	Nardostachys grandiflora _{DC} .	Rhizomes; used as a drug and also in perfumery	Perennial, erect herb; Himalayas, Punjab to Sikkim.	

^{*} Note: These are geophytes and do not have above ground stem. The tuberous underground taproot or rootstock is perennial and produces leaves and flowers every year.

APPENDIX - III	S. No.	Family	Species	Common Name	Synonyms & Remarks	Parts traded & Purpose	Habit & Distribution
	1	Gnetateae	Gnetum montanum Markgr.	Mamelet (Ass.); Thaulping-rhui (Lusai, Mizo); Mai-lar-iong- une (Khasi); Ula (Mal.); Umlli (Mar.); Lolori (Ori).	App. III for Nepal Gnetum edule Kurz Gnetum latifolium Parl. Thoa montana (Markgr.) Dowled	Stem, seed and roots; Food, medicinal and construction purpose.	Shrubby climber; Eastern Himalayas Sikkim, Assam, Arunachal Pradesh, Bihar, Orissa, Andaman islands, Western India and Tamil Nadu.
	2	Madroliaceae	Magnolia liliifera var. obovata (Korth.) Govaerts	Champ, Ghogechanp Himalayan Magnolia	Magnolia hodgsonii (Hook.f. & Thomson) H.Keng Talauma hodgsonii Hook.f. & Thomson	Flowers, seeds saplings and wood; ornamental, furniture and medicinal purpose.	Small Tree ; Sikkim &N-E India.
	3	PodoCarpaces	Podocarpus neriifolius D. Don	Kat bhaluka, Brown Pine	App. III for Nepal.	Seeds, fruits, timber and whole plants; Timber, medicinal and ornamental purposes	Small Tree ; N-E India & Nepal.
	4	Physicantacoae	Tetracentron sinense Oliv.	Tetracitron, shui quing shu	App. III for Nepal.	Wood as furniture, plant parts medicinal purpose.	Medium sized tree; Eastern Himalaya N-E India & Nepal, S China.



Indian Plants in CITES Appendices - A Check List 2013



Published By **The Director**

Institute of Forest Genetics and Tree Breeding

(Indian Council of Forestry Research and Education)
P.B. No. 1061, R.S. Puram P.O., Coimbatore-641002, INDIA
Phone: +91 422 2484100, 2484101

Fax: +91 422 2430549 Email: dir_ifgtb@icfre.org