

Ethno-medicinal Informations from Orissa State, India, A Review

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INTRODUCTION

The history of use of plants and animals as a source of medicine dates back perhaps to the origin of human race. The Vedic literature indicates that man might have learnt the medicinal use of plants from the animals, those who possess the inherent capacity to recognise the medicinal plants from the nature [Raghunathan, 1987]. This indicates that the very concept of ethno-medicine/botany is a Vedic origin. But, however the official recognition of ethnobotany as a science was first coined by Harsh burger in 1895 to point out the plants that are used by the aborigines.

In India about 16,000 flowering plants known to occur, out of which 3,000 are recognized as used in ethnomedicine or folk medicine based on oral information from generation to generation. Out of the above 1500 plants are used in organized systems of medicine like **Ayurveda**, **Unani** and **Siddha** and 700 have been investigated pharmacologically and chemically and their active principles are used in modern medicine system. It is obvious that the folk medicines are the original source that slowly entered to the organized systems like Ayurveda etc. and finally investigated from a closure point of view to be recognised among the modern medicines [Ved Prakash, 1998].

The tribal situation of India has been assessed in terms of distribution of the people into the following 6 distinct zones, namely [I] North-Western India, [ii] Middle India, [iii] Western India, [iv] Southern India, [v] North-eastern India and [vi] Island territories of India. The Orissa state comes under the middle India zone along with the other states like Bihar, M.P. and West Bengal. This zone constitutes the major tribal population of India which includes about 65 tribes [Danda, 1996]. As per the 1981 census the different scheduled tribes mentioned for Orissa is about 62 which includes the different subgroups of the tribals found in the state. Much of the ethnomedicinal knowledge spread among the common men

and tribals of Orissa is recovered and published from time to time, but in sporadic form. The present work is an attempt to compile a list of indigenous plants used by the rural and tribal people Orissa state, India.

ENUMERATION

The plants are tabulated alphabetically by their botanical names, family, vernacular, tribe, locality, the part used for the medicine and brief description of the procedure of use. [Table 1] The references, for each report, are also presented in the table.

DISCUSSION

The review reports ethnomedicinal use of 421 numbers of plants from Orissa state by about 24 tribal communities from 11 undivided districts. Out of the above 23 plants are reported 5 times or more, in which *Andrographis paniculata* Nees. and *Asparagus recemosus* Willd. -10 times, *Hemidesmus indicus* [L.] R.Br. -9, *Achyranthes aspera* L.-8, *Alstonia scholaris* [L.] R.Br., *Calotropis gigantea* [L.] R.Br. ex Ait., *Oroxylum indicum* [L.] Vent. and *Tridax procumbens* L.-7 times each.

The whole report covers various ethnomedicines for about 166 diseases out of which report for Diarrhoea is 67, Dysentery -50, Rheumatism -30, Fever -28, Skin infection -25, Toothache -23, Cough & cold -21, Headache -21, Wound -21, Antidote -19, Boils -17, Bleeding piles -15, Bodyache -14, Eye complaints -14, Leucorrhoea -14, Stomach disorder -14, Malaria -12 times etc. In this paper reports for Diarrhoea and Dysentery tops the list as reported earlier that Orissa is a Diarrhoea dominating region [Bhasin, 1994] and we have reported new cases of ethnomedicine for Diarrhoeal diseases from Ganjam and Phubani districts of Orissa [Mohanty et al 1996] and a recent review on the whole country basis [Mohanty et al, 1998].

The report of ethnomedicines, district wise in

Table 1: The list of plants by their botanical names, family, vernacular, tribe, locality the part used for the medicine and brief description of the procedure of use.

S. No.	Botanical Name & (Family)	Vernacular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
1.	<i>Abelmoschus ficulneus</i> . (L.)Wt. & Arn. ex Wt. (Malvaceae)	Jaba	Munda	Bisra (Sundargarh)	Flower	2-3 flowers pounded in 50 ml of 'Kanji'(fermented liquid of cooked rice)given for 3 days from 1st day of menstruation, followed by 50g of date palm jaggery from 4th day on wards for 7 days.	Prevent conception	Satapathy & Brahman 1996
2	<i>Abrus precatorius</i> L.(Fabaceae)	Gunji Kaincha Runja	Lanjia Saora Oraon Munda	(Koraput) Biramitrapur (Sundargarh)	Seed Seed Pod Leaf	Crushed preparation. Dosage not specified(d.n.s.) 10 Seeds each from Kaincha & Karanja (<i>Derris indica</i>) grounded and put on fire; fumes inhaled (d.n.s.) Unripped fresh pod juice rubbed on scalp (d.n.s.) Fresh leaf juice rubbed twice a day for 3-4 days on affected part.	Contra-ceptive Severe headache & Hemicrania	Malik 1996 Satapathy & Brahman 1996
		Runjo	Bhumij Kol, Munda Santal	Talanagar (Bhadrak)	Seed	2 Seeds powdered and given with water to cattle. d.n.s	Liver disorder	Girach et al 199
		Kaincha	Santal Kolha, Bunda Bathuri & Bhuian Kondh	Keonjhar (Keonjhar) Similipal (Mayurbhanja) Rajika-khola, Nediguda & Badruguda (Phulbani)	Root Whole Plant	Unspecified Unspecified.	Lowering blood pressure Toothache	Nayak et al 1998 Dash & Mishra 1999
3.	<i>Abutilon indicum</i> (L.) Sweet (Malvaceae)	Pidipidika	Bhumij, Kol, Munda Santal & Bathudi	Bindha (Bhadrak)	Seed	Decoction for internal use.d.n.s.	Diarrhoea & Vomiting	Girach et al 1996
		Pedipedika	Bhumij, Kol, Munda & Santal	Nagsai (Bhadrak)	Leaf	Powder consumed mixing with cattle feed.d.n.s.	Diarrhoea	Girach et al 1998
4.	<i>Acacia nilotica</i> (L.) Willd. (Mimosaceae)	Babul	-	Kodala (Ganjam)	Leaf	Leaf macerated with rice water. 50 ml. administered orally twice daily for 3-5 days.	Diarrhoea	Mohanty et al 1996
5.	<i>Acacia pennata</i> (L.) Willd. (Mimosaceae)	Chili	Tanla	Malyagiri (Dhenkanal)	Leaf	Paste used. d.n.s.	Drowsiness	Brahman et al 1996
6.	<i>Acacia torta</i> (Roxb.) Craib.(Mimosaceae)	Kanti	Bhunja	Sonabera (Kalahandi)	Stem	Crushed preparation. d.n.s.	Piscicide	Aminuddin & Girach 1993
7.	<i>Acalypha indica</i> L.(Euphorbiaceae)	Indra marisha Indra-marich	Kondh Santal, Kolha, Similipal	Udaygiri (Phulbani) (Keonjhar)	Leaf Leaf	a. Macerated thick paste of fresh leaves applied at anus. b. Lukewarm juice as eardrops. c. Unspecified	Constipation Earache Wormicide	Girach 1992 -do Nayak et al 1998

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
8.	<i>Achyranthus aspera</i> L (Amaranthaceae)	Ginisar	Bunda Bathuri & Bhuian	(Mayurbhanj)		d. Unspecified	Mouth infection	Dash & Mishra 1999
			Bondo	Muduli- pada (Koraput)	Stem	used as tooth brush	Toothache & Streng- then gum	Aminuddin & Girach 1991
					Root	Dried Powder 16gm given with water to regain consciousness	Epilepsy.	
		Apama- rang	Kondh	Khajuri- pada (Phulbani)	Root	Smelling of fresh roots	Expedite delivery	Girach 1992
		Apama- rang	-	Brahma- nigaon, Daringibadi (Phulbani)	Leaf	Pasted with 'gur' or jaggery and butter /curd taken twice daily	Blood dysentery	Mohanty et al 1996
		Apamari	Paudi Bhuinya	Bonai Hills (Sundargarh)	Root	10gm. roasted powder given once at bed time for 3-4 days	Oligogalac- tia	Aminuddin & Girach 1996
		Apama- ranga	Oraon Kisan	Bunda- munda (Sundargarh)	Whole Plant	30 ml decoction with 20-30 ml honey for internal use	Lessen labour pain & Hasten delivery	Satapathy Brahmam & 1996.
		Apama- ranga	Santal, Kol, Munda, Bathudi & Bhumij	Jajpada (Bhadrak)	Leaf	Juice given for ensuring vomitting	Indigestion	Girach et al 1996.
		-do-	Santal, Bunda, Kolha, Bathuri & Bhuian	Keonjhar (Keonjhar)	Root	Unspecified	Stop bleeding	Nayak et al 1998.
9	<i>Acorus calamus</i> L. (Araceae)	Bacha	-	Kalinga Ghat G. Udayagiri (Phulbani)	Rhizome	Decoction along with roots of <i>Angelonia grandiflora</i> taken twice a day	Diarrhoea	Mohanty et al 1996
10	<i>Adenostemma lavania</i> (L.) Kuntz. (Asteraceae)	Butame	Bondo	Mudulipada (Koraput)	Leaf	Equal quantities of ash of burnt leaves and coconut shell mixed with mustard oil applied locally.	Burns	Aminuddin & Girach 1991
11	<i>Adhatoda vesica</i> Nees.(Acanthaceae)	Basang	Santal, Kolha Bunda Bathuri & Bhuian	Keonjhar (Keonjhar) Similipal (Mayurbhanj)	Root Leaf	Unspecified.	Cough & Cold	Nayak et al 1999
12	<i>Adhatoda zeylanica</i> L. (Acanthaceae)	-	Kondh	Rajika- khola Nediguda & Badruguda (Phulbani)	leaf	-do-	Cough & Cold	Dash & Mishra 1999

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S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
13	<i>Adiantum lunulatum</i> L. (Adiantaceae)	Hadson- deda	Kondh	Khajuri- pada (Phulbani)	Root	a. Paste applied locally and bandaged for 8-10 days.	Bone fracture	Girach etal 1992
		Rakta- khai	Kondh	Belghar (Phulbani)	Root	b. Single root boiled in 500 ml of water till it becomes one fourth and the decoction given	Blood discharge in urine.	Girach 1992
14	<i>Adiantum philippense</i> L. (Adiantaceae)	Bado Sunsunia	Bhumij, Kol, Munda & Santal	Kaupur, Bhadrak (Bhadrak)	Whole Plant	Crushed plant applied around naval region.	Flatulence	Girach et al., 1997
15	<i>Aegle marmelos</i> (L.) Corr. (Rutaceae)	Belo	Bhunja	Sonabera Plateau (Kalahandi)	Leaf	Fresh leaves chewed. (d.n.s.)	Relieves cough	Aminuddin & Girach, 1993
		Bela	Santal, Kolha, Bunda, Bathuri & Bhuian	Keonjhar (Keonjhar) & Fruit Similipal (Mayurbhanj)	Leaf	Unspecified	Dysentery, Constipa- tion, Stomach upset	Nayak et al., 1998
16	<i>Aerva lanata</i> (L.) Juss. Ex Sch. (Amaranthaceae)	Paunsia	- (Ganjam)	Chikiti	Root	Root boiled with tuberous root of <i>Cyperus rotundus</i> L. and fennel (<i>Foeniculum vulgare</i> Gaertn.) and the decoction taken 2 or 3 times a day.	Diarrhoea	Mohanty et al., 1996
17	<i>Aerva sanguinolenta</i> (L.) Blume. (Amaranthaceae)	Badach- auldhua	Oriya	Subamagiri (Phulbani)	Root	Fresh roots collected after sun- rise mixed with roots of <i>Smilax</i> <i>ovalifolia</i> Roxb and <i>Asparagus</i> <i>racemosus</i> Willd in the ration 2:1:1 Crushed paste given orally, twice daily for one week.	Leucorr- hoea	Sahoo & Mudgal, 1995
18	<i>Aeschynomene aspera</i> L. (Fabaceae)	Shulo	Kondh	Kutigeda (Phulbani)	Root	5 cm long dried roots. Powdered with 3 black peppers. 3 gm per dose given twice daily.	Gastric Pain	Girach, 1992
19	<i>Ageratum conyzoides</i> L. (Asteraceae)	Poka- sunga, Parosaola	Oriya, Kondh	Gadragaon, Chakapada (Phulbani)	Root	Pounded root taken for 7 days from the day of menstruation. Treatment protocol is repeated for next two cycles.	Dysme- norrhoea	Sahoo & Mudgal, 1995
					Leaf	Crushed leaf extract in week long stored water drunk by the child concerned on a Sunday and repeated subsequently on the following Sundays till recovery.	Bed wetting during sleep	Sahoo & Mudgal, 1995
20	<i>Ailanthus excelsa</i> Desf. (Simaroubaceae)	Dakhina- Kabata, Mahala		Kukuda- khandi (Ganjam)	Bark	Paste along with curd administ- ered orally twice a day.	Dysentery	Mohanty et al., 1996
21	<i>Alangium salvifolium</i> (L.f.) Wang. (Alangiaceae)	Akel	Kondha	Junadihi (Sambalpur)	Bark	Paste prescribed as local appli- cation, also administered orally (10gm). Poison believed to be excreted out through urine.	Snake bites cat bite & mad dog bites	Brahmam, & Saxena, 1990
		Dhola ankul	Oriya	Manbhang, Paikmal (Sambalpur)	Root	Paste applied on affected part.	Mad dog bites	Brahmam, & Saxena, 1990
		Ankulo	Kondh	Gariapara ghat (Phulbani)	Root	Root and Bichati (<i>Tragia</i> <i>involucrata</i> L.) fruit taken in equal quantities made into paste	Paralysis	Girach, 1992

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S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
		Dhala- nku, Ankapali	Oriya, Kisan	Banki (Sundargarh)	Root	and applied on paralysed parts twice a day for two months. Paste (5 gm) mixed with 100 ml of fresh un-boiled cows milk given for dog bites.	Antidote	Satapathy Brahmam, 1996
					Leaf	Paste mixed with cow's butter (2:1) applied locally.	Ring worm scars	
22.	<i>Allium cepa</i> L. (Liliaceae)	Piyaj	-	Berhampur Bhanjanagar (Ganjam)	Bulb	Bulb cut vertically, a little amount of lime (CaCO ₃) inser- ted through the slit and allowed to remain for 30 min. Then it is chewed directly.	Blood dysentery	Mohanty et al., 1996
23.	<i>Aloe vera</i> (L) Burm.f. (Liliaceae)	Ghekua- rri, Gada	Oraon, Gonda	Banai (Sundargarh)	Leaf	a. Leaf juice (5ml) mixed with 10-15 drops of ginger juice given twice a day for 3 days. b. Mucilaginous juice rubbed on head c. Unspecified (d.n.s.)	Acute indigestion Stop giddiness Headache	Satapathy & Brahmam, 1996 Nayak et al., 1998
		Ghee- kuari	Santal, Kolha, Bunda, Bathuri & Bhuiyan	Keonjhar (Keonjhar) Similipal (Mayu- rbhanj)				
24.	<i>Alstonia scholaris</i> (L.) R. Br. (Apocynaceae)	Chatian	Oraon, Bhuiyan, Gond, Dhanuar & Routia	Lobdega, Birada, Jharbeda (Sunda- rgarh)	Latex Bark	External application a. Crushed into a dilute paste for external application. b. Decoction applied locally. c. Powder (5mg) mixed with 2 ml of latex and 100 ml rice water prescribed for nursing women and cows. d. Bark paste and turmeric paste in equal proportions applied externally.	Skin ulcer Thoracic pain Skin disease Lactagogue	Mukherjee & Namhata, 1990 Brahmam & Saxena, 1990
		Khiro- mula, Chatiana	Oriya	Harishankar (Bolangir)				
				Junadihi (Sambalpur)			Skin disease	
		Rukni	Kondh	Belghar (Phulbani)	Stem bark	e. Powder (5mg) with cow milk given once every morning for 3-7 days.	Gonorr- hoea	Girach et al., 1992
		Chha- tiana	Oriya	Dudsi (Phulbani)	Stem bark	f. Stem bark collected from old tree crushed and boiled in cow's milk drunk twice a day for a month.	Gonorr- hoea	Sahoo & Mudgal, 1995
		Chha- tiana	Oraon	Banai (Sundar- garh)		g. Bark poultice mixed with kanji applied externally.	Ring worm scars	Satapathy & Brahmam, 1996
		Chhan- chana	Khariya		Leaf	Dried, powdered levels smoked.	Chronic cough and asthma	-do-
		Chatuan	Bhumij, Kol, Munda & Santal	Basudevpur (Bhadrak)	Stem bark	Crushed and mixed with cattle feed. ((d.n.s.))	Diarrhoea	Girach et al., 1998

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S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
		-	Kondh	Rajika- khoa, Nediguda & Badruguda (Phulbani)		Unspecified	Fever	Dash & Mishra, 1999
25.	<i>Alstonia venerata</i> R. Br. (Apocynaceae)	Bagmari Bagmuhi	Oriya	Hari- shankar (Bolangir)	Leaf	Decoction (10mg) mixed with 15-20 ml honey given once in morning for 3 days.	Fever	Brahmam & Saxena, 1990
26.	<i>Amaranthus spinosus</i> L. (Amaranthaceae)	Giryen- simbhu	Bondo	Dantipada (Koraput)	Leaf & Shoot	(Tender leaves and shoots) used as vegetable.	Tiger poisoning Dietary supple- ment	Aminuddin & Girach, 1991
		Kanta- marisha	-	Phiringia (Phulbani)	Root	Decoction (aqueous extract) given 2 to 3 times a day.	Chronic diarrhoea	Mohanty et al., 1996
		Kanta- marisha	Bhumij, Kol, Munda, Santal	Bindha (Bhadrak)	Whole Plant	Plant decoction given to cattle	Delivery complaints	Girach et al., 1998
		Kanta- neutia	Santal, Molha, Bunda, Bathudi & Bhuan	Keonjhar (Keonjhar)	Root	Unspecified	Scorpion sting	Nayak et al., 1998
27.	<i>Ammannia baccifera</i> L. (Lythraceae)	-	Kondh	Rajka- khola, Nediguda & Badruguda (Phulbani)	Leaf	Unspecified	Stomach disorders	Dash & Mishra, 1999
28.	<i>Amorphophallus companulatus</i> (Roxb.) Bl. ex Dane (Araceae)	Olua, Ola	Oraon, Munda	Banki (Sundar- garh)	Corm	Corm encapsulated in mud, gently burnt and then pounded with a little salt and mustard oil. This paste (2 teaspoonful) given once daily for a week.	Haemorr- hoids	Satapathy & Brahmam, 1996
29.	<i>Ampelocissus latifolia</i> (Roxb.) Planch. (Vitaceae)	Takuo	Tanla	Rohila (Dhen- kanal)	Tuber	Fed to domestic pigs after delivery.	Increase lactation	Brahmam, et al., 1996
30.	<i>Andrographis echioides?</i> (Acanthaceae)	-	Kondh	Rajaka- khola, Nedigada & Badruguda (Phulbani)	Whole Plant	Unspecified	Cattle wound	Dash & Mishra, 1999
31.	<i>Andrographis paniculata</i> Nees. (Acanthaceae)	Bhui- limb Rasang Bhui- ngkara Bhuinim	Saora Kondh Bondo	Mohana (Ganjam)	Leaf	Macerated leaves applied locally. Leaf juice used or else pea size pills prepared from leaf paste, taken orally 3 times daily after food for 2 or 3 days.	Itches Fever and Colic pain	Jain et al., 1973
		Bhuinim	Kondh	Mudu- lipada (Koraput)	Leaf	Decoction of 10-12 leaves (250ml) given once a day	Diarrhoea	Aminuddin & Girach, 1991
		Bhuinim	Kondh	Raikia	Root	Dried root with Haldi (<i>Curcuma</i>)	Itching &	Girach,

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				(Phulbani)		<i>longa</i> L.) in equal quantities made into paste with water applied locally.	Skin rash	1992
			Bhuinim Kondh	Dhulsi (Phulbani)	Root	Powder (3gm) given with water to children	Antihel- mintic	Girach, 1992
			Bhuinim Kondh	khajuri- pada (Phulbani)	Leaf	10-15 leaves boiled in one cup water till it becomes half. One teaspoonful (5ml) leaf decoction given twice a day for 3 days.	Malaria	Girach, 1992
			Bhui- neem	Paudi, Bhuinya (Sundar- garh)	Whole Plant	Paste applied on scalp	To kill hair lice	Aminuddin & Girach, 1996
			Bhui- nimbo	Tanla Rohila (Dhen- kanal)	Leaf	Decoction (50ml) given orally and paste applied locally	Scabies	Brahmam et al., 1996
			Rasan- jing	Lanjia, Saora (Koraput)	Leaf	Unspecified	Fever	Malik, 1996
			Chireita	Santal, Keonjhar (Keonjhar) Kolha, Similipal (Mayur- bhanj) Bhuian	Leaf	Unspecified	Scabies & Fever	Nayak et al., 1998
			-	Kondh Rajika- khola, Nediguda & Badruguda (Phulbani)	Whole Plant	Unspecified	Skin diseases	Dash & Mishra, 1999
32.	<i>Anisomeles indica</i> (L.) Kuntze. (Lamiaceae)	Jatjatia	Tanla	Malyagiri (Dhen- kanal)	Leaf & Flower	Leaves (5-6) & flowers ground with 2 peppers given in 2 doses at intervals of 5 hours.	Diarrhoea	Brahmam et al., 1996
33.	<i>Annona squamosa</i> L. (Annonaceae)	Neua	Oraon Munda	Rajgangpur, (Sundar- garh)	Leaf	Leaf paste applied locally to ripen & expel pus	Boils	Satapathy & Brahmam, 1996
		Atto	Santal, Bhumij, Kol, Bathudi & Munda	Singuda (Bhadrak)	Root bark	Powder eaten with water by mother once at bed time for one week	Postnatal complaints	Girach et al., 1996
		Neoa	Bhumij, Kol, Munda, Santal	Jodang (Bhadrak)	Leaf	Warm leaves applied directly	Boils	Girach et al., 1997
		Atta	Santal, Kolha, Bunda, Bathuri & Bhuian	Keonjhar (Keonjhar) Similipal (Mayur- bhanj)	Seed	Unspecified	Antiferti- lity	Nayak et al., 1999

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S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
34.	<i>Annona reticulata</i> L. (Annonaceae)	Sapriato	Kondh	Sarangad (Phulbani)	Seed	Seed ash mixed with salt used as tooth powder	Toothache	Girach, 1992
35.	<i>Anogeissus latifolia</i> (Roxb. ex DC.) Wall. (Combretaceae)	Dhaura	Oraon, Munda, Bhuiyan, Gond, Dhanuar & Routia	Jamdii, Ghagar (Sundargarh)	Bark	a. Decoction used, (d.n.s.) b. pounded with black peppr, 1990 c. Boiled in water, (d.n.s.)	Diarrhoea Dry cough	Mukherjee & Namhata, 1990
36.	<i>Ardisia solanaceae</i> Roxb. (Myrsinaceae)	Eal	Lanjia, - Saora	(Koraput)	Root	Paste applied locally	Cough, Diarrhoea, Bodyache	Malik, 1996 Aminuddin & Girach, 1996
37.	<i>Argemone mexicana</i> L. (Papaveraceae)	Sunde-sapka	Kondh	Sinkulipada (Phulbani)	Leaf	Leaf juice used, (d.n.s.)	Eye complaints	Jain et al., 1973
		Nyadu-did	Saora	Mohana (Ganjam)	Latex	Applied locally	Scabies	
		Nippa-nia	Kondh	Khajuri-pada (Phulbani)	Root	Dry Powder (10gm) with 21 black Pepper given in equally divided daily dose, once a day for 3-4 days.	Menorr-hagia	Girach, 1992
		Nippa-nia	Oriya, Kondh	Daringbadi (Phulbani)	Root bark	Extract along with cow's ghee (2:1) taken once in morning for two weeks	Sperma-torrhoea	Sahoo & Mudgal, 1995
		Sundi-spaka						
		Agara	Santal, Keonjhar, Kolha, Similipal Bathuri & Bhuiyan	Keonjhar (Keonjhar)	Root	Unspecified	Urinary trouble	Nayak et al., 1998
38.	<i>Arisaema tortuosum</i> (Wall.) Schoot	Kush-nopeni	Oriya	Harisankar Patthar (Bolangir)	Tuber	Used in preparation of massage oil	Rheuma-tism	Brahmam & Saxena, 1990
39.	<i>Aristolochia indica</i> L. (Aristolochiaceae)	Iswar-mula	Santal, Kolha, Buna, Bathuri & Bhuiyan	Keonjhar (Keonjhar)	Root & Stem	Unspecified	Snake bite	Nayak et al., 1998
40.	<i>Artocarpus lakucha</i> (Roxb.) Buch-Ham. (Moraceae)	Dambo Jhouto	Tanla	Rohila (Dhenkanal)	Fruit	Pulp eaten	Thirst allay	Brahmam et al., 1996
41.	<i>Asparagus racemosus</i> Willd. (Liliaceae)	Insungi	Bondo	Muduli-pada (Koraput)	Root	Roasted root given with cows milk twice a day.	Post delivery complaints	Aminuddin & Girach, 1991
					Root	Powder mixed with water applied locally.	Cattle wound	
		Iswarjata	Kondh	Raikia (Phulbani)	Root	Dried/fresh root powder with 7 black pepper barries given twice a day.	Nocturnal emissions	Girach, 1992
		Satabri	Kondh	Khajuri-pada	Root	Root along with leaves of <i>Zizyphus</i> sp. & <i>Rauvolfia</i>	Insanity	Girach, 1992

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				(Phulbani)		<i>serpentina</i> Benth. ex Kurz. Root 30 gm. made into paste with cow milk and applied on forehead at bed time for 7 days.		
		Satabari, Oriya, Penang-Kondh sikeri		Jamugurha, Root Belghar (Phulbani)		Along with roots of <i>Smilax</i> <i>ovalifolia</i> Roxb. & <i>Aerva lanata</i> (L) Juss. (2:1:1) crushed & aqueous extract drunk twice daily in morning & evening for a week.	Leuco- rrhoea	Sahoo & Mudgal, 1995
		Satemuli -		Digapa- handi (Ganjam)	Root tuber	Boiled milk extract of fresh tuber taken orally. (d.n.s.)	Blood dysentery	Mohanty et al., 1996
		Sibojata Paudi, Bhuinya		Bonai Hills (Sundar- garh)	Root	Pounded (together) with black peppers applied as paste on affected part daily till cure.	Hydrocele	Aminuddin & Girach, 1996
		Balu- balua	Oraon	Baghabudi (Sundar- garh)	Whole Plant	Tender plant part (10 gm) ground with a pinch of date palm jaggery and given daily once in morning for 10 days.	Loss of appetite & stomach disorder	Satapathy & Brahmam, 1996
		Mend- hamari	Bhumij, Kol, Monda, Santal	Bhadrak (Bhadrak)	Root	Root paste given to cow.	Increase lactation	Girach et al., 1998
		Satabari	Sanal, Kolha, Bunda, Bathuri & Bhuian	Keonjhar (Keonjhar)	Root	Unspecified	Intestinal trouble	Nayak et al., 1998
		-	Kondh	Rajkakhole Nediguda & Badruguda (Phulbani)	Whole Plant	Unspecified	Urinary discharge	Dash & Mishra, 1999
42	<i>Atylosia scarabaeoides</i> Benth. (Fabaceae)	Ban Kulthia	Kondh	Khajuri- pada (Phulbani)	Root	Powder (3 gm) per dose given thrice a day	Stoma- chache	Girach, 1992
		Ban Kulthia	Paudi, Bhuinya	Bonai Hills (Sundargarh)	Leaf	Crushed leaf applied locally.	Itching	Aminuddin & Girach, 1996
		Kuji Kulthia	Tanla	Malyagiri (Dhenkanal)	Seed	Ground in 'til' oil and paste applied on head		Brahmam & Saxena, 1990
43.	<i>Azadirachta indica</i> A. Juss. (Meliaceae)	Neemba-		Chatrapur (Ganjam)	Gum	2 to 3 gm. Gum (exudates from stem bark) dissolved in rice water & administered twice a day to children.	Diarrhoea	Mohanty et al., 1996
		Neem	Santal, Kolha, Bunda, Bathuri & Bhuian	Keonjhar (Keonjhar)	Leaf, Bark, Stem & Seed	Unspecified d.n.s.	Skin disease, wound, blood purification, tooth problem &	Nayak et al., 1998

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
		-	Kondh	Rajaka- khola, Nediguda & Badruguda (Phulbani)	Whole Plant	Unspecified	antifertility Skin disease & wormicide	Dash & Mishra, 1999
44.	<i>Bacopa monnieri</i> (L.) Wettst. (Scrophulariaceae)	Brahmi	Oraon	Birsa (Sundargarh)	Leaf	Leaf juice (10 ml) with 10 ml of honey given once a day, in empty stomach for 30 days	Epilepsy	Satapathy & Brahmam, 1996
45.	<i>Baliospermum montanum</i> Muell.-Arg. (Euphorbiaceae)	Banjado	Paudi, Bhuinya	Bonai Hills (Sundar- garh)	Root	Powdered root 5 gm once at bed times	Indigestion	Aminuddin & Girach, 1996
46.	<i>Basella alba</i> L. (Basellaceae)	Poea	Santal, Kolha, Bunda, Bathuri, Bhuian	Keonjhar (Keonjhar) Similipal (Mayurbhanj)	Leaf	Unspecified	Constipa- tion	Nayak et al., 1998
47.	<i>Basella rubra</i> L. (Basellaceae)	Poi	-	Baliguda (Boudh)	Leaf	Cow ghee extract of leaves along with curd and juice from seeds of <i>Punica granatum</i> L. administered twice a day.	Diarrhoea	Mohanty et al., 1996
48.	<i>Barleria prionitis</i> L. (Acanthaceae)	Dus- karanta	Kondh	G. Uda- yagiri (Phulbani)	Leaf	Juice applied locally. b) Gargling of leaf decoction.	Scabies Toothache	Girach, 1992
		Daske- renta	Oriya	Sulugaon, Arnigarh (Phulbani)	Root	Crushed root extract taken orally twice daily for a week.	Leuco- rrhoea	Sahoo & Mudgal, 1995
		Daske- renta	Oraon (Sunda- rgarh)	Banki	Leaf	Warm leaf paste applied locally. Leaf juice 10 ml taken with 15 ml honey	Pimples & Boils Antihelmi- ntic	Satapathy & Brahmam, 1996
		Darui- kerenta	Santal, Kolha, Bunda, Bathuri & Bhuian	Keonjhar (Keonjhar) Similipal (Mayurbhanj)	Leaf	Unspecified	Swelling & Tooth- ache	Nayak et al., 1998
		-	Kondh	Rajaka- khola Nediguda & Badruguda (Phulbani)	Leaf	Unspecified	Ringworm & Rheuma- tism	Dash & Mishra, 1999
49.	<i>Barleria strigosa</i> Willd (Acanthaceae)	Sapta- phena	Kondh, Oriya	Harishankar (Bolangir)	Root	Decoction (50 ml) of root (10 mg), 20 gm 'Sunthi' (dried rhizome of ginger) 7 black peppers 3-5 small cardamoms and 10 gm 'Kala jeera' (<i>Negella sitiva</i>) given twice a day for 7 days. Decoction used, (d.n.s.)	Bile & Gastric troubles	Brahmam & Saxena, 1990
50.	<i>Barringtonia acutangula</i> (L.) Gaertn. (Lecythidaceae)	Higala Paniha	Santhal	Mayur- bhanj	Bark		Toothache & Gum problem	Sexena et al., 1981
					Seed	Powder given with water, d.n.s.	Liver	Trivedi

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
		Hinjal	Oraon	Rajgangpur (Sundargarh)	Flower	Flowers of two inflorescences pounded with 50g boiled rice, the paste is fried and given hot once a day for two days to cow and oxen.	complaints et al., 1982 Diarrhoea	Satapathy & Brahmam, 1996
					Leaf	10 ml of leaf juice mixed with 10g of old jaggery.	Anthelmi- ntic	
		Hinjal	Bhumij, Kol, Munda, Santal, Kolha, Bunda, Bathuri & Bhuian	Kurkura (Bhadrak) Keonjhar (Keonjhar) (Mayur- bhanj)	Leaf Bark	Crushed leaf with rice gruel (Manda) given to cow, (d.n.s.) Unspecified	Dysentery Skin disease	Girach et al., 1998 Nayak et al., 1998
51.	<i>Bauhinia malabarica</i> Roxb. (Caesalpiniaceae)	Tumpup	Bondo	Mudulipada (Koraput)	Leaf	Fresh leaves used as cattle feed	Food supplement	Aminuddin & Girach, 1991
52.	<i>Bauhinia purpurea</i> L.(Caesalpiniaceae)	Kan- chana	Oraon	Bjunda- munda (Sundargarh)	Bark	Equal quantities of fresh bark and root of <i>Asparagus</i> <i>racemosus</i> Willd. pounded and given (15g) with cow milk.	Dysuria & Gall bladder stone	Satapathy & Brahmam, 1996
		Borada or Borda	Tanla	Rohila (Dhen- kanal)	Leaf	Eaten as vegetable	Flatulence (gas formation)	Brahmam et al. 1996
53.	<i>Bauhinia racemosa</i> Lamk. (Caesalpiniaceae)	Ombeti	Lanjia, Saora	- (Koraput)	Leaf, Bark	With other herbs boiled in water and applied on affected part	Bone fracture	Malik, 1996
54.	<i>Bauhinia vahlii</i> Wt & Arn. (Caesalpiniaceae)	Aola	Lanjia (Koraput)	-	Leaf	Leaves used as contraceptive	Conception preventive	Malik, 1996
55.	<i>Berberis asiatica</i> Roxb. & DC. (Berberidaceae)	Daru- haldi	Santal, Kolha, Bunda, Bathuri & Bhuian	Keonjhar (Keonjhar) Similipal (Mayurbhanj)	Root	Unspecified	Anticancer activity	Nayak et al., 1998
56.	<i>Blechnum orientale</i> L. (?)	Brahma Sakshasani	Oriya	Doliharan (Samba- lpur)	Rhi- zome	Inner soft positions of rhizome (15gm) ground with 7 black peppers and given to lactating women.	Alti (Boils) in infants	Brahmam & Saxena, 1990
57.	<i>Blumea lacera</i> (Burm.) DC. (Asteraceae)	Kukoor- sunga	Santal, Kolha, Bunda, Bathuri & Bhuian	Keonjhar (Keonjhar) Similipal (Mayurbhanj)	Leaf	Unspecified	Anthelmi- ntic Cholera	Nayak et al., 1998
58.	<i>Boerhaavia diffusa</i> L.(Nyctaginaceae)	Ghoda- purun	-	Orampara (Sundar- garh)	Whole Plant	10 gm of plant paste in 'Chauldhua Pani'(water obtained after washing rice) with little honey, given twice daily.	Menorr- hagia	Satapathy & Brahmam, 1996
59.	<i>Bombax ceiba</i> L. (Bombacaceae)	Sarsuan Simili	Oraon, Munda,	Bonai, Vedvyas,	Gum	Used as a haemostat and astringent	Bacillary dysentery	Mukherjee &

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
			Bhuiyan, Brahma- Gond, nidihi Dhanuar, (Sunda- Routia rgarh)	Flower Root	Used on affected parts. Unspecified	Snake bite Impotence, 1990 loss of vital body fluid	Namhata,	
		Semul Balsimili	Oriya (Sund- argarh)	Junadihi (Sund- argarh)	Root tuber	Tuberous roots young plant and those of ‘Bhukakkharu’ (<i>Pueraria tuberosa</i> DC, and ‘Satavari’ (<i>Asparagus racemosus</i> willd) grinded in equal proportions and given (20gm) with cow milk.	Spermat- orrhoea	Brahmam & Saxena, 1990
			Harish- ankar (Bolangir)	Root tuber	Bread from powder fried in cow ghee given as diet.	Loss of vigour & vitality.		
				White flower	Rare white flowers, flowers of turmeric and Madar [<i>Calotropis gigantea</i> (L.) R. Br.] and roots of <i>Abrus precatorius</i> L. ground in equal proportions and given (10gm) thrice a day for 3 days.	Induction of fertility in women		
		Khirang Bondo	Muduli- pada (Koraput)	Root	Powdered root (6gm) mixed with pulse (<i>Phaseolus</i> sp.) given with cow’s milk once at bed time.	Spermato- rrhoea	Aminuddin & Girach, 1991	
		Simuli	Kondh	Raikia (Phulbani)	Gum	Gum and dried mango seeds taken in equal quantities, powdered and made into tablets of 5 gm with honey, 2 tablets given twice daily for 5 days.	Painful menstru- ation	Girach et al., 1992
60.	<i>Breynia retusa</i> (Dennst) Alston. (Euphorbiaceae)	Jajhanga -		Hinjilicut (Ganjam)	Leaf	Leaf bud or young leaf paste taken orally along with sugar candy 3 to 4 times a day	Diarrhoea	Mohanty et al.,1996
61.	<i>Breynia vitis-ideal</i> - (?) (Euphorbiaceae)		Kondh	Rajaka- Nediguda & Badru- guda (Phulbani)	Whole plant	Unspecified	Eye diseases	Dash & Mishra, 1999
62.	<i>Briedelia airishaii</i> Lee [= <i>Briedelia retusa</i> (L.) Spreng.] (Euphorbiaceae)	Kausi	Bondo	Muduli- pada (Koraput)	Stem bark	Powder given with water.	Abdominal pain	Aminuddin & Girach, 1991
63.	<i>Buchanania lanzan</i> Spreng. (Anacardiaceae)	Char	Paudi Bhuinya	Bonai Hills (Sundargarh)	Twig (stem)	Twig used as tooth brush	Toothache	Aminuddin & Girach, 1996
64.	<i>Butea monosperma</i> (Lam.) Kuntz. (Fabaceae)	Palasa	-	Dutipada, Manmunda (Phulbani)	Leaf	Raw extract used internally twice a day.	Diarrhoea	Mohanty et al., 1996
		Palas	Oraon	Jareikela (Sundar- garh)	Bark	250g bark ash mixed with 500 ml of water and kept in earthen pot. After 2 hours, 20 ml of this supernatant solution with a few drops of honey used.	Anthe- lmintic	Satapathy & Brahmam, 1996

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
					Seed	Seed ash (2gm) with cold water given once a day for 3 days after menstruation	Pregnancy prevention	
		Palash	Santal, Kolha, Bunda, Bathuri & Bhuian	Keonjhar (Keonjhar), Similipal (Mayurbhanj)	Fruit / Seed	Unspecified	Diarrhoea, Dysentery	Nayak et al., 1998
65.	<i>Byttneria herbacea</i> Roxb. (Sterculiaceae)	Samar-khoi	Oriya	Harishankar (Bolangir)	Whole Plant	Paste applied locally.	Fractures & Sprains	Brahmam & Saxena, 1990
				Nrusinghanath Ptthar (Bolangir)	Root	Root mixed with Pipali (<i>Piper longum</i> L.) black peppers and Juani (<i>Trachyspermum ammi</i>) in equal proportions, grinded and about 5 gm of this powder given twice daily.	Asthma	
					Root	Root with 'Chintamula' (<i>Plumbago zeylanica</i>) bark of 'Machkund' (<i>Pterospermum acerifolium</i> Willd.), 'Sunthi' (dried rhizome of <i>Zingiber officinale</i> Rosc.) and black peppers (<i>Piper nigrum</i> L.) mixed in equal proportions powdered and given (5 gm) twice a day.	Chest pain	
66.	<i>Caesalpinia bonduca</i> (L.) Roxb. (Caesalpinaceae)	Gil	Santal, Bhumij, Kol, Munda & Bathudi	Paliabindha (Bhadrak)	Seed	A handful of seed (without cover) boiled in cow's milk, washed repeatedly to remove its toxic effects, sun dried and powdered 3-5 g powder given twice daily for 3 months.	Filariasis	Girach et al., 1996
		Gil	Bhumij, Kol, Munda & Santal	Barikpur (Bhadrak)	Seed	Paste applied locally	Boils & Swellings	Girach et al., 1997
					Leaf	Leaves pounded with desired quantity of 'Sunghi' and 'Ajuani' (<i>Trychospermum ammi</i>)	Body swelling	
		Gil	Kondh	Rajakakhola, Nediguda & Badruguda (Phulbani)	Root / Under ground parts	Unspecified (d.n.s.)	Desentry	Dash & Mishra, 1999
67.	<i>Calamus latifolius</i> Roxb. (Arecaceae)	Gouribeto	Tanla	Kuludi (Dhenkanal)	Stem	The wiry branches worn around neck	Evil spirit	Brahmam et al., 1999
68.	<i>Calotropis gigantea</i> (L.) R. Br. ex Ait. (Asclepiadaceae)		Saora	Ladrimi (Ganjam)	Root	Root pounded in water and liquor made out of 'Mahua' (<i>Madhuca indica</i> Gmel) and applied externally & also taken internally.	Leprosy	Jain et al., 1973
			Kondh	Ladrimi	Latex	Local application	Caries	

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
				(Ganjam)			Teeth Leprosy	Chaudhury et al., 1975
		Araliha, Kondh, - Patta- dudhe, Anko, Akona	Bhumij & Saora		Root	Macerated roots mixed with Mahua liquor applied locally		
		Arakha Kondh		Belghar (Phulbani)	Root	2g of powdered root given twice a day. Macerated paste applied locally as poultice	Stomach disorder Rhemua- tism	Girach et al., 1992
		Khudher Bhunjia		Sonabera Plateau (Kalahandi)	Leaf	Lukewarm leaf juice prescribed as ear drops.	Earache	Aminuddin & Girach, 1991
					Root	Paste applied on forehead	Headache	
					Latex	Applied at anus.	Expel intestinal worm	
		Arakha Bhumij, Gopalma- Kol, dhav Munda, (Bhadrak) Santal			Leaf	A few leaves stitched together to form a leafy cap, which is kept on head to alleviate fever.	Pneumonia	Girach et al., 1992
		Arakha Santal, Keonjhar, Kolha, (Keonjhar), & Latex Bunda, Similipal Bathuri (Mayur- & bhanj) Bhuiyan			Root	Unspecified	Antifertility	Nayak et al., 1998
69.	<i>Canscora decussata</i> (Roxb.) Schult & Schult (Gentianaceae)	Sankh- aphul	Oraon	Orampara & Hemgir (Sundargarh)	Root	8-10 gm root ground with 5-6 white seeds of <i>Abrus precatorius</i> given once a day on empty stomach for 5-7 day during menstruation.	Conception prevention &	Satapathy & Brahmam, 1996
					Whole Plant	20 ml of plant juice given once daily for 7 days at bed time either with honey or jaggery.	Leucorr- hoea	
		Rasanj- ing	Lanjia	(Koraput)	Root	Unspecified	Fever	Malik, 1998
70.	<i>Cansjera rheedii</i> J. Gmelin (Olacaceae)	Bhader	Oriya	Jalmahadev (Bolangir)	Leaf	Paste applied locally around anus in children	Expel intestinal worms	Brahmam & Saxena, 1990
		Pitaga-	Tanla	Rohila (Dhenkanal)	Leaf	Eaten as vegetable, either boiled or fried in oil especially after prolonged illness.	Health recovery	Brahmam et al., 1996
71.	<i>Capparis sepiaria</i> L. (Capparaceae)	Kantei	Munda	Jareikela (Sundargarh)	Leaf	Raw juice (5 ml) with honey for internal use.	High fever	Satapathy & Brahmam, 1996
72.	<i>Capparis zeylanica</i> L. (Capparaceae)	Asadua	Santal, Bhumij, Kol, & Munda, & Bathudi	Basantia (Bhadrak)	Root bark	Paste applied locally.	Scabies	Girach et al., 1996

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
73.	<i>Carex baccans</i> Nees (Cyperaceae)	Mutha	Gond, Oriya	Harisha- nkar (Bolangir)	Root	Paste applied on boils.	'Alati' disease of children	Brahmam & Saxena, 1990
74.	<i>Careya arborea</i> Roxb. (Lecythidaceae)	Kumbhi	Kondh, - Bhumij & Saora		Bark	Bark extract used d. n. s.	Blood dysentery	Sexena & Dutta, 1975
		Kumbhi	Oraon, Lefripara, Munda, Sarafgarh Bhuiyan, Koeligho- Gond, ghar Dhanuar & Pitamahar Routia (Sundar- garh)	Bark	a) Crushed preparation		Cuts & Sores	Mukherjee & Namhata, 1990
						b) Aqueous extract given with curd.	Dysentery Eruption & Suppurations	
					Flower	Crushed and mixed with bark leachate and honey and used as expectorant & demulcent.		
		Kumbhi	Kondh	Simanbadi (Phulbani)	Stem bark	Paste applied on eyes like ointment.	Eye inflamma- tion	Girach et al., 1992
		Kumbo	Paudi, Bhuinya	Bonai (Sundar- garh)	Stem bark	Decoction (2 tea spoonfuls at bed time) taken for one week	Postnatal complaints	Aminuddin & Girach, 1991
		Kumbri	Lanjia, Saora	Koraput	Bark	Bark boiled in water and other herbs & used.	Bone fracture	Malik, 1996
75.	<i>Carum roxburghi- anum</i> Benth. & Kurz. (Apiaceae)	Banaju- ani	Oraon	Orampara (Sundar- garh)	Root	20-25g of root paste given orally to induce vomiting & to clean the viscera.	Food poisoning	Satapathy & Brahmam, 1996
				Lephripara (Sundargarh)	Seed	10g powder with a pinch of common salt given	Stop hiccups	
76.	<i>Carica papaya</i> L. (Caricaceae)	Amruta- bhanda (Papita)	Santal, Kolha, Bunda, Bathuri & Bhuiyan	Keonjhar (Keonjhar) Similipal (Mayur- bhanj)	Flower, Latex & Seed	Unspecified	Jaundice, Skin disease, Antifertility	Nayak et al., 1998
77.	<i>Carissa carandas</i> L. (Apocynaceae)	Karan- dakoli	Santal, Kolha, Bunda, Bathuri & Bhuiyan	Keonjhar (Keonjhar) Similipal (Mayur- bhanj)	Latex, Unspecified Root, Leaf & Fruit		Toothache, Wounds, Nasal	Nayak et al., 1998
78.	<i>Cascabela thevetia</i> (L) Lipp. (Apocynaceae)	Kaniari	Bhumij, Kol, Munda, Santal	Charampa (Bhadrak)	Latex	Latex applied directly	worms & Abscess Cuts & Wounds	Girach et al., 1997
79.	<i>Casearia elliptica</i> Willd. (Samydaceae)	Khokra	Oraon, Munda, Bhuiyan, Gond, Dhanuar	Batnkela, Boni, Sarafgarh (Sundargarh)	Bark	Powder soaked in water and applied locally.	Oedema & Snake bite	Mukherjee & Namhata, 1990

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
80.	<i>Cassia alata</i> L. (Caesalpiniaceae)	Dadmari	& Routia Santal, Kolha, Bunda, Bathuri & Bhuian	Keonjhar (Keonjhar), Similipal (Mayurbhanj)	Leaf	Unspecified	Ringworm	Nayak et al., 1998
81.	<i>Cassia hirsuta</i> L. (Caesalpiniaceae)	Chaku- nda	Bondo	Muduli- pada (Koraput)	Seed	Seeds are given as animal feed to fowl.	Epidemic disease	Aminuddin & Girach, 1991
82.	<i>Cassia fistula</i> L. (Caesalpiniaceae)	Sunari, Pundula	Oriya, Kondh	Subarnigiri (Phulbani)	Leaf	Young leaf paste kept inside the genitals of women once in a day for a week.	Amenorr- hoea	Sahoo & Mudgal, 1995
		Sunaree	Santal, Kolha, Bunda, Bathuri & Bhuian	Keonjhar (Keonjhar), Similipal (Mayurbhanj)	Leaf & Root	Unspecified	Skin disease	Nayak et al., 1998
		-	Kondh	Rajaka- khola, Nediguda & Badruguda (Phulbani)	Seed / Fruit	Unspecified	Constipa- tion	Dash & Mishra, 1999
83.	<i>Cassia occidentalis</i> L. (Caesalpiniaceae)	Kasendri	-	Chakapada (Phulbani)	Leaf	Tender leaves boiled with butter milk, made into paste, mixed with powders of Cumin seed and safoetida. Pills made from the mixture taken twice a day.	Diarrhoea	Mohanty et al., 1996
		Bana Chaku- nda	Oraon	Orampara (Sundargarh)	Seed	Grinded in cow milk and castor oil (<i>Ricinus communis</i> L.) applied locally.	Wounds	Satapathy & Brahmam, 1996
		Kala Chaku- kunda	Tanla	Malyagiri (Dhenkanal)	Leaf	Decoction made from 15 leaves each of this plant, <i>Vitex negundo</i> L., <i>Glycosmis pentaphylla</i> Retz. DC. and <i>Azadirachta indica</i> A. Juss used for bathing of new born baby at the end of 7th, 12th & 21th day.	Skin diseases	Brahmam et al., 1996
84.	<i>Cassia sophera</i> L. (Caesalpiniaceae)	Chako- nda	Santal, Bhumij, Kol, Munda & Bathudi	Singuda (Bhadrak)	Seed	Paste applied locally.	Ringworm	Girach et al., 1996
85.	<i>Cassia tora</i> L. (Caesalpiniaceae)	Long langpa	Bondo	Mudulipada (Koraput)	Leaf	Tender leaves used as vegetable.	Vitaminous food	Aminuddin & Girach, 1991
		Chaku- nda	Kondh	Bilamal (Phulbani)	Seed	Equal quantities of seed and Haldi paste applied as poultice.	Gonorr- hoea	Girach, 1992
		Chaku-	Santal,	Keonjhar	Leaf	Unspecified	Wound &	Nayak

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
		unda	Kolha, Bunda, Bathuri & Bhuian	(Keonjhar) Similpal (Mayurbhanj)			Burning sole	et al., 1998
86.	<i>Cassytha filiformis</i> L. (Lauraceae)	Nipattia	Bhumij, Kol, Munda, Santal	Bhadrak (Bhadrak)	Whole Plant	mixed with fodder grass given to cow.	Increase lactation	Girach et al., 1998
87.	<i>Catharanthus roseus</i> (L.) Don. (= <i>Vinca rosea</i> L.) (Apocynaceae)	Sadabi- hari	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar) Similpal (Mayur- bhanj)	Flower leaf	Unspecified	Diabetes Anticancer property	& Nayak et al., 1998
88.	<i>Catunaregam</i> <i>uliginosa</i> (Retz.) (Rubiaceae)	Siva	Thelko Paudi, Bhuinya	Bonai Hills (Sundar- garh)	Imma- ture fruit	Paste applied locally for 3-4 days	Bleeding piles	Aminuddin & Girach, 1996
89.	<i>Cayratia pedata</i> (Lam.) Juss.ex Gagnep.(Vitaceae)	Ghoda- bichati	Santal, Bhumij, Kol, Munda & Bathudi	Jodang (Bhadrak)	Root	3-5 cm root piece tied as an amulet on the wrist	Fever	Girach et al., 1996
90.	<i>Celastrus pani- culatus</i> Willd. (Celastraceae)	Peng, Ping- kanda	Kondh, Oriya	Jalmahadev (Sam- balpur)	Root, Bark	Root paste or bark paste applied on forehead in children	Boils	Brahmam & Saxena, 1990
			Nrusingh- anath (Bolangir)	Root water	Root (5 cm long) and 7 black peppers made into paste in 'Chawaldua' (water with which rice is washed) and given twice a day.	Leucorr- hoea, Sperma- torrhoea & Piles		
		Pengu	Oriya	Narayan Prasad (Bolangir)	Root bark	Root bark (10gm) of young plant mixed with 7 black peppers is pounded and aqueous extract given once a day in morning for two weeks.	Leucorr- hoea	Sahoo & Mudgal, 1995
91.	<i>Centella asiatica</i> (L) Urb. (Apiaceae)	Ghoda- tapua Brahmi	Munda	Baghabudi (Sundar- garh)	Leaf	Paste rubbed on palm and food of pregnant women.	Relieving labour pain & ensure smooth delivery	Satapathy & Brahmam, 1996
		-	Kondh	Rajaka- khola, Nediguda & Badruguda (Phulbani)	Whole Plant	Unspecified.	Madness	Dash & Mishra, 1999
92.	<i>Chionanthus</i> <i>mala(b)aricus</i>	Baro	Lanjia, Saora	Koraput	Bark	Unspecified	Diarrhoea	Malik, 1996
93.	<i>Chlorophytum</i> <i>arundinaceum</i> Baker.(Liliaceae)	Bana- dhua, Dheunga	Oriya, Kondh	Srirampur (Phulbani)	Root	Crushed in rice wash water and the extract is taken twice daily for 2 days.	Dysmeno- rrhoea	Sahoo & Mudgal, 1995
94.	<i>Christella semisa- gitata</i> (Roxb.)	Rakta- bidar	Bhunijia	Sonabera Plateau	Root	Powder (5gm) given twice a day with 100 ml of cow milk.	Excessive bleeding	Aminuddin & Girach,

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
	Rottl. (Thelypteridaceae)			(Kalahandi)			during menstru- ation	1993
95.	<i>Chromolaena odorata</i> (L.) King & Robin (Asteraceae)	Landray	Lanjia, Saora	Koraput	Leaf	Juice applied externally. Juice applied externally.	Bleeding Bleeding	Malik, 1996 Malik, 1998
96.	<i>Chrozophora rotleri</i> (Geiss.) Juss. (Euphorbiaceae)	Mois- unda	Tanla	Malyagiri (Dhen- kanal)	Leaf	Dried, powdered and applied on gums & also used as tooth powder	Gum bleeding	Brahmam et al., 1996
97.	<i>Cipadessa baccifera</i> (Roth.) Miq. (Meliaceae)	Pura- ntab	Bondo	Muduli- pada (Koraput)	Twig	Used as toothbrush	Toothache	Aminuddin & Girach, 1991
		Bangdru	Lanjia	Koraput	Bark	Paste applied locally	Chest pain	Malik, 1998
98.	<i>Cissampelos pareira</i> L. var. <i>hirsute</i> (DC.) Forman (Menispe- rmaceae)	Paran- gab, Akan- bindi	Saora	Taradsing, Ramgiri (Ganjam)	Root	Pounded root (mixed with <i>Rauvolfia</i> & one other root) given	Cough, Cold & Fever	Jain et al., 1973
		Tubu- kilota	Kol & Saora	-	Root	Paste with raw rice and water (5gm) given twice daily for a month. (sour edibles are excluded from the diet).	Leprosy	Saxena et al., 1981
		Akana- bindi, Subu- dhibars	Oriya, Kondh	Harisha- nkar (Bolangir)	Root	Pills of root (1cm dia) powder given	Rheuma- tism	Brahmam & Saxena, 1990
		Puran- gab	Bondo	Mudulipada (Koraput)	Root	Root powder mixed with 'Salap' liquor prepared from <i>Caryota urens</i> L. to make it strong and tasty.	Liquor preparation	Aminuddin & Girach, 1991
					Stem	Stem with 7 nodes is tied as an amulet on forehead.	Headache	Satapathy & Brahmam, 1996
		Akana- bindi	Munda	Bisra (Sundar- garh)	Leaf	5-7 leaves with 5 black peppers pounded and given 3 times a day.	Menstrual disorder	
		Suannai	Tanla	Malyagiri (Dhenkanal)	Leaf	About 100gm crushed and paste given daily for 8 days.	Regularise menstrual cycle	Brahmam et al., 1996
99.	<i>Cissus quadrangularis</i> L. (Vitaceae)	Had- bhanga	Bhumij, Kol, Munda, santal	Erda (Bhadrak)	Whole Plant	Warm crushed plant applied locally on oxen	Wound healing	Girach et al., 1998
		-	Kondh	Rajaka- khola Nediguda & Badru- guda (Phulbani)	Whole Plant	Unspecified	Rheuma- tism, Bone fra- cture	Dash & Mishra, 1999

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
100.	<i>Cissus repens</i> Lam. (Viceaceae)	Panibel, Pandho	Kondha, Oriya	Swatijharan (Bolangir)	Root	Tuberous root paste applied on fore head	Headache	Brahmam & Saxena, 1990
				Hari- shankar (Bolangir)	Root	Paste applied locally.	Burns	
				Jalma- hadev (Sambalpur)	Root	Powder (5gm) given once a day. Paste applied externally on swollen rheumatic joints	Gastric trouble, Rheuma- tism	
101.	<i>Citrus medica</i> L. (Rutaceae)	Lembu	-	Sorada (Ganjam)	Fruit	Unripe fruit paste taken orally with a little sugar candy once a day for 3 days.	Diarrhoea	Malik, 1996
102.	<i>Clausena excavate</i> Burm. f.(Rutaceae)	Agnijal	Tanla	Rohila (Dhen- kanal)	Root	2.5-5 cm long chewed twice daily for 3 days.	Urinary infection	Brahmam et al., 1996
103.	<i>Cleistanthus</i> <i>collinus</i> (Roxb.) Benth. & Hook. (Euphorbiaceae)	Karada	Oraon, Munda, Bhiyan, Bhiyan, Dhanuar & Routia	Bartankela, Lobdega, Sarafgarh (Sundar- garh)	Leaf	Soft drink prepared from a little amount of leaf leachate, roots and fruit skin is used (d.n.s.)	Gastro- intestinal irritation	Mukherjee & Namhata, 1990
104.	<i>Clematis gouriana</i> Roxb. (Ranun- culaceae)	Punpu- lenglen	Saora	Taradsing (Ganjam)	Stem sap	Stem sap blown by mouth into affected eyes due to some hitting.	Eye injury	Jain et al., 1973
105.	<i>Cleome</i> <i>monophylla</i> L. Aminuddin (Capparidaceae)	Hurhuria	Bondo	Khemaguru (Koraput)	Leaf & Shoot	Used as vegetable	Vitaminous food	Aminuddin 1991
106.	<i>Clerodendrum</i> <i>idicum</i> (L.) O. Kuntze (Verbanaceae)	Bhara- mal	Kondha	Junadihi (Phulbani)	Root	Root paste (5gm) and 21 black peppers given in 3 doses at half an hour intervals.	Chest pain & Heart palpitation	Brahmam & Saxena, 1990
107.	<i>Clerodendrum</i> <i>infortunatum</i> Geartn. (Verbanaceae)	Komuti	Kondh	Khajuripada (Phulbani)	Root	Root with 'Gaiso' (<i>Leucas</i> <i>aspera</i> L.) fruit and Guddari (<i>Sphaeranthus indicus</i> L.) root 20gm each powdered and made into 21 tablets of pea size. One tablet given every morning for 21 days to induce menstruation.	Ameno- rrhoea	Girach, 1992
108.	<i>Clerodendrum</i> <i>viscosum</i> Vent. (Verbanaceae)	Bushasin	Kondha, Oriya	Manbhang Paikmal (Sambalpur)	Root	Root paste 15 gm in mother's milk given to children.	Anthel- mintic	Brahmam & Saxena, 1990
		Pitta- kapudi	Paudi, Bhuinya	Bonai Hills (Sundar- garh)	Leaf	A handful leaves pounded together with Apamari (<i>Achyranthes aspera</i> L.) root applied as paste on forehead.	Migraine	Aminuddin & Girach, 1996
		Ontido- bal	Lanjia	Koraput	Root	Crushed root applied on navel of newly born baby against possible infection.	Postnatal infection in infants	Malik, 1998
109.	<i>Clitoria ternatea</i> L. (Fabaceae)	Apara- jita	Oriya	Orampara (Sundar-)	Whole Plant	0.5gm ash from whole plant taken with equal amount of cow	Acne	Satapathy &

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
				garh)		butter once a day for one month.		Brahmam, 1996
110.	<i>Coccinia grandis</i> (L.) Vogit (Cucurbitaceae)	Bana- kakudi	Kisan	Banaigarh (Sundar- garh)	Leaf	Juice (15ml) with date palm jaggery (50gm) given once daily for a week.	Blood densntery & Piles	Satapathy & Brahmam, 1996
111.	<i>Coccinia cordifolia</i> Cong. [= <i>Coccinia</i> <i>indica</i> Wt. & Arn.] (Cucurbitaceae)	Kunduri	Santal, Kolha, Bathuri & Bhuian	(Keonjhar) Similipal Bunda, bhanj)	Leaf (Mayur-	Unspecified.	Diabetes	Nayak et al., 1998
112.	<i>Cocculus hirsutus</i> (L.) Diels. (Meni- spermaceae)	Dah- dahia	Santal, Kol, Munda, Bumij, Bathudi	Bhadrak (Bhadrak)	Leaf Root	Leaf decoction drunk twice daily. Paste eaten as an antidote to snake poison.	Cholera Antidote	Girach et al., 1996
		Usal- tang	Lanjia,	Koraput	Root	Unspecified	Deforming	Malik, 1996
		Usal- tang	Lanjia	Koraput	Root	Unspecified	Stomach- ache & Dysentery	Malik, 1998
113.	<i>Coleus barbatus</i> (Andra.) Benth. (Lamiaceae)	Pukha- nkur	Oriya	Harisha- nkar Patthar (Bolangir)	Whole plant	Plant paste applied locally	Skin infection between toes	Brahmam & Saxena, 1990
114.	<i>Colocasia escu- lenta</i> (L.) Schott. (Araceae)	Gowsi- ngo, Gosing	Kondh	Harisha- nkar (Bolangir)	Tuber	Paste mixed with castor oil applied locally.	Leprosy wound	Brahmam & Saxena, 1990
		Mirol- sing, Mehera	Oriya		Rhi- zome	Used in preparation of massage oil. Decoction (10 gm) and corm (10gm) of and corm (10gm) of 'Bacchanabhi' (<i>Remusatia</i> <i>vivipara</i>) given.	Rheuma- tism Rheuma- tism	
		Bana- saru	Bhumij, Kol, Munda, Santal	Kuans- madia (Bhadrak)	Root	Crushed root mixed with animal feed given to domestic animals.	Increase milk yield	Girach et al., 1998
115.	<i>Combretum nanum</i> Don. (Combre- taceae)	Kaikayi	Bhunjia	Sonabera plateau (Klahandi).	Root	Paste applied on head of infants	Expel intestinal worms	Aminuddin & Girach, 1993
116.	<i>Costos speciosus</i> (Koen.) Smith (Ziziberaceae)	Keu	Oriya	Harisha- nkar Patthar (Bolangir)	Rhi- zome	Unspecified	Backache	Brahmam & Saxena, 1990
		Gimisi- riya	Bondo	Muduli- pada (Koraput)	Rhi- zome	Used as vegetable	Vitaminous food	Aminuddin & Girach, 1991
		Koe- konda	Bhunjia	Sonabera plateau (Kala- handi)	Rhi- zome Seedling	Sliced and cooked as vegetable	Vitaminous food	Aminuddin & Girach, 1993
		Manka- dkenda	Tanla	Malyagiri (Dhen-	Rhi- zome	Powder applied at anus and little inside to relieve pain	Bleeding piles	Girach et al., 1996

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
				kanal)	Leaf	Paste applied on abdomen.	Stoma- chache	
117.	<i>Corchorus aestuans</i> L. (Tiliaceae)	Banma- richo	Bondo	Sundrimal (Koraput)	Leaf	Poultice applied on forehead.	Headache	Aminuddin & Girach, 1991
118.	<i>Corchorus capsularis</i> L. (Tiliaceae)	Nalita	Munda	Banki (Sundar- garh)	Leaf	Dried leaves smoked twice daily for 2-3 days	Mouth ulcers	Satapathy & Brahmam, 1996
119.	<i>Cordia dichotoma</i> Forst. f. (Cordiaceae)	Lasora	Bhumij, Kol, Munda, Santal	Elkhar (Bhadrak)	Fruit	Juice used by natives	Blood purifier	Girach et al., 1997
120.	<i>Crateva nurvala</i> Buch. – Ham. (Capparaceae)	Barun	Kisan	Banaigarh (Sunda- rgarh)	Leaf	Leaf juice mixed with mustard oil put in ears.	Earache & Ear infection	Satapathy & Brahmam, 1996
121.	<i>Crotalaria spectabilis</i> Roth. (Fabaceae)	Nirmisi	Bhumij, Kol, Munda, santal	Ganijang (Bhadrak)	Leaf	Leaf juice applied as antiseptic.	Cut & wounds	Girach et al., 1997
122.	<i>Croton oblongi- folium</i> ? (Euphorbiaceae)	Potal	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar), Similipal (Mayurbhanj)	Root	Unspecified.	Snake bite, Antiferti- lity	Nayak et al., 1998
123.	<i>Croton roxburghii</i> Balak. (Euphorbiaceae)	Devna- san, Vutanasan Desan, Desand Sando	Kondha Gond, Oriya Bondo	Jalmahadev (Samba- lpur)	Bark Root	Paste applied externally on inflammatory parts of body when accompanied by fever. Paste applied orally to cause vomiting.	Infla- mmation Stomach clearing	Brahmam & Saxena, 1990
		Putuli	Paudi, Bhuinya	Bonai Hills (Sundargarh)	Root	A piece of root died as amulet on arm.	Evil spirit	Aminuddin & Girach, 1991
		Pituli	Tanla	Rohila (Dhenkanal)	Root	Root juice taken by lactated mothers, mother's milk work as anthelmintic.	Worm infestation	Aminuddin & Girach, 1996
124.	<i>Cryptolepis buechananii</i> Roem & Schult. (Asclepiadaceae)	Lavar, Audatiya	Saora, Kondh	Ladrimi (Ganjam)	Bark Latex	50gm powder mixed in glass of water & taken in a single dose. Latex mixed with hot water and applied on knees	Diarrhoea Rheuma- tism	Girach et al., 1996 Jain et al., 1973
125.	<i>Cucumis melo</i> L. (Cucurbitaceae)	Kharbhuj	Santal, Kolha, Bund, Bathuri & Bhuian	(Keonjhar) Similipal (Mayurbhanj)	Epicarp	Unspecified	Kidney stone, Urinary track infection	Nayak et al., 1998
126.	<i>Cucumins sativus</i> L.(Cucurbitaceae)	Khira	Khariya	Hemgir (Sundar- garh)	Seed	10-15 seeds ground with a little rock salt given twice a day for 5 days	Urinary infections	Satapathy & Brahmam, 1996

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
127.	<i>Curculigo orchoides</i> Gaertn. (Hypoxidaceae / Amaryllidaceae)	Tadakra	Bondo	Mudulipada (Koraput)	Root	a. Paste with salt applied locally.	Boils	Aminuddin & Girach, 1991
		Talamuli	Oriya	Baragaon (Sundargarh)	Root	b. 2.5 cm long root chewed thrice daily for 21 days. (also administered to those who pass semen in urine).	Increase sexual potency	Satapathy & Brahmam, 1996
		-	Kondh	Rajaka- khola Nediguda & Badru- guda (Phulbani)	Root / Under ground parts	Unspecified	Gonorrhoea	Dash & Mishra, 1999
128.	<i>Curcuma angustifolia</i> Roxb. (Zingiberaceae)	Tikhur	Bhunja	Sonabera Plateau (Kalahandi)	Rhi- zome	Powder taken along with water	Cooling tonic	Aminuddin & Girach, 1993
129.	<i>Curcuma amada</i> Roxb. (Zingibe- raceae)	Amba ada	Oriya	Pathar Harish- ankar, Budasa- maro pahad (Bolangir)	Rhi- zome " "	a) Paste applied on affected part. b) Powder used as snuff. c) Paste (15gm) and 7 black peppers taken in rice washed water (Chawldua pani) twice daily for 7 days	Skin disease Evil spirit Regularise menstrual cycle	Brahmam & Saxena, 1990
130.	<i>Curcuma longa</i> L. (Zingiberaceae)	Halada	Kisan	Sundargarh (Sundar- garh)	Rhi- zome	Juice (5ml) with a little cow urine given once daily for 7 days.	Jaundice, Hypera- cidity	Satapathy & Brahmam, 1996
		Haldi	Santal, Kolha, Bund, Bathuri & Bhuian	(Keonjhar) Similpal (Mayurbhanj)	Stem	Unspecified	Face beauty, Burn & Hurt curative, Wormcide	Nayak et al., 1998
131.	<i>Cucurbita maxima</i> Duch. ex Lam. (Cucurbitaceae)	Kakharu	Oriya	Sundargarh (Sundar- garh)	Seed Kernels	5-10 seed kernels eaten with 2 tea spoonful honey once a day for 3 days.	Insanity	Satapathy & Brahmam, 1996
		Kakharu	Santal, Kolha, Bund, Bathuri & Bhuian	(Keonjhar) Similpal (Mayur- bhanj)	Pulp, Epicarp	Unspecified	Boils, Burn, Eczema & Ringworm infection	Nayak et al., 1998
132.	<i>Cuscuta reflexa</i> Roxb. (Cuscutaceae)	Nirmuli	Kondh	Garjapara ghat (Phulbani)	Whole Plant	Whole plant with <i>Centella asiatica</i> (L) Urban, <i>Vitex pedu- ncularis</i> fruit in equal quantities powdered with 9 black peppers. 10gm of powdered drug given every morning after completion of menstruation cycle of 5 days.	Avoid child birth	Girach, 1992
		Nirmuli, Kaju- bahika	Oriya, Kondh	Daringibadi (Phulbani)	Whole Plant	The plant and black pepper (2:1) crushed and aqueous extract taken orally twice daily for a week.	Spermato- rrhoea	Sahoo & Mudgal, 1995

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
		Nirmuli	Oraon	Orampara (Sundargarh)	Young Plant	Decoction (10ml) with a little honey given once a day for 7 days.	Epilepsy	Satapathy & Brahmam, 1996
		Nipp- ania	Kol, Munda, Bhumij, santal & Bathudi	Palia bindha (Bhadrak)	Stem	Paste eaten with curd	Diarrhoea	Girach et al., 1996
		Nirmuli	Bhumij, Kol, Minda, Santal	Kurkura (Bhadrak)	Plant	Paste mixed with curd given to domestic animals.	Diarrhoea	Girach et al., 1998
133.	<i>Cymbopogon flexuosus</i> (Nees ex Steud.) Wats. (Poaceae)	Dha- nastri	Bhumij, Kol, Munda & Santal	Bhadrak (Bhadrak)	Leaf	a. Chopped leaves mixed with cattle feed. b. Leaves pounded with equal quantity of <i>Dillenia indiaca</i> L. (‘Oau’) leaves given to domestic animals.	Cold Diarrhoea	Girach et al., 1998
134.	<i>Cymbopogon martini</i> Roxb. Watson (Poaceae)	Goel- kher	Oriya	Patthar (Bolangir)	Essen- tial Oil	Essential oil obtained from plant rubbed over rheumatic joints.	Rheuma- tism	Brahmam & Saxena, 1990
135.	<i>Cynodon dactylon</i> Dubo (L) Pers. (Poaceae)		Bhumij, Kol, Minda, Santal	Bhadrak (Bhadrak)	Plant	Crushed with few pieces of ginger and mixed with jaggery given to goats.	Diarrhoea	Girach et al., 1998
136.	<i>Cynoglossum glochidiatum</i> Wall. ex Benth. (Boraginaceae)	Tejraj	Kondh	Harish- ankar (Bolangir)	Root	Root (20gm) eaten once a day for 7 days.	Enhance potency	Brahmam & Saxena, 1990
137.	<i>Cyperus rotundus</i> L. (Cyperaceae)	Mutha	Munda	Baragaon (Sundargarh)	Root	One gram of dried roots pounded with 1 gm of rock salt taken twice a day.	Stomach disorders	Satapathy & Brahmam, 1996
138.	<i>Datura metel</i> L. (Solanaceae)	Kaladu- dura	Oriya	Mandakia (Phulbani)	Leaf	7 fresh young small leaves rolled and kept inside the female genitals once a day for a month.	Ameno- rrhoea	Sahoo & Mudgal, 1995
		Dudura	-	Chakapada (Phulbani)	Seed	Seeds purified by soaking in cow urine for 12 hours. Then seed coats removed and cotyledons boiled in cow milk and made into paste, product taken internally.	Chronic diarrhoea & dysentery	Mohanty et al., 1996
		Dudura, Siv	Oriya, PhulMunda	Lephripara (Sundargarh)	Leaf	Leaf paste applied on both feet.	Check sweating	Satapathy & Brahmam, 1996
		Dhatura	Santal, Kolha, Bund,	(Keonjhar) Similipal (Mayur-	Fruit & Seed	Leaf juice with equal amount of lemon juice applied all over head. Unspecified	Early greying of hair Dandruff, hair falling	Nayak et al., 1998

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
				Bathuri bhanj) & Bhuian				
		Dhatura	Kondh	Rajaka- khola Nediguda & Badru- guda (Phulbani)	Roots /Under- ground parts	Unspecified	Rheumatic swelling, Pimples	Dash & Mishra, 1999
139.	<i>Datura fastuosa</i> L. (Solanaceae)	Koda- dudura	Bondo	Khema- guru (Koraput)	Seed	Seeds with <i>Carum</i> , Cardamom, Clove and Ginger in equal quantities made into powder and 250 ml given twice a day.	Joint pain	Aminuddin & Girach, 1991
140.	<i>Datura innoxia</i> Mill. (Solanaceae)	Kala- dhatura	Santal, Kolha, Bund, & Bhuian	(Keonjhar) Similipal (Mayur- Bathuri bhanj)	Leaf	Unspecified.	Asthma	Nayak et al., 1998
141.	<i>Dendrocalamus strictus</i> (Roxb.) Nees. (Poaceae)	Bonso- korodi	Bondo	Khema- guru (Koraput)	Shoot epide- rmal	Scrapped and mixed with water applied locally.	Cut wounds healing	Aminuddin & Girach, 1991
142.	<i>Dendrophthoe falcate</i> (L.f.) Etting (Loran- thaceae)	Madang	Oriya	Jalamaha- dev (Sam- balpur)	Whole Plant	Paste of this epiphytic plant growing on 'Kumbhi' (<i>Careya arborea</i> Roxb.) trees applied hot with ghee locally. Flower Powder (5gm) given 2-3 times a day	Mumps Malaria, Small Pox & Chicken Pox	Brahmam & Saxena, 1990
		Jhajangi Dendi	Oriya, Kondh	Kinipanga (Phulbani)	Whole Plant	Crushed extract given as drink twice daily for a week.	Leucorr- hoea	Sahoo & Mudgal, 1995
143.	<i>Dentella repens</i> (L.) J.R. & G. Forst. (Rubiaceae)	Mord- anga	Tanla	Malyagiri (Dhen- kanal)	Whole Plant	Paste applied at night on the head of children for 7 days.	Eczema	Brahmam et al., 1996
144.	<i>Derris trifoliata</i> Lour. (Fabaceae)	Katia	-	Daringibadi (Phulbani)	Leaf	Raw leaf juice taken orally 2-3 times a day.	Chronic dysentery	Mohanty et al., 1996
145.	<i>Desmodium gan- geticum</i> (L.) DC. (Fabaceae)	Sata- parni	Oraon, Munda, Bhuyan, Gond, & Routia	Sapnabir, Nuamundi (Sundar- Dhanuar garh)	Root & Seed	Decoction used	Fabrifuge & Antica- tarrhal	Mukherjee & Namhata, 1990
146.	<i>Desmodium motorium</i> (Houtt.) Merr. (Fabaceae)	Bhui Chak- unda	Tanla	Malyagiri (Dhen- kanal)	Leaf & Young branch	Paste applied on body.	Alti Disease	Brahmam et al., 1996
147.	<i>Desmodium triflorum</i> (L.) DC. (Fabaceae)	Sisarti- jajing	Lanjia	(Koraput)	Root	Applied over injury spots.	Snake bone Prick	Malik, 1998
148.	<i>Desmodium triquetrum</i> (L.) DC. (Fabaceae)	Eknadia Bhuinya	Paudi, (Sundar- garh)	Bonai Hills (Sundar- garh)	Root	Root along with 'Bahada' [<i>Terminalia bellirica</i> (Gaertn-) Roxb.] stem bark and 5 black peppers pounded together,	Rickets	Aminuddin & Girach, 1996

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
149.	<i>Desmodium velutinum</i> (Willd.) DC. (Fabaceae)	Sedutnla	Paudi, Bhuinya	Bonai Hills (Sundargarh)	Root	powdered drug (3gm) given twice daily to children. Powdered root (5gm) taken twice daily.	Diarrhoea	Aminuddin & Girach, 1996
150.	<i>Dillenia pentagyna</i> Roxb. (Dilleniaceae)	Bado rai	Tanla	Rohila (Dhenkanal)	Fruit	Pickled and eaten after undertaking 'Akhand Shikar' (entire community participating in haunting) in forest.	Ward & eveil Spirit	Brahmam et al., 1996
151.	<i>Dioscorea bulbifera</i> L. (Dioscoreaceae)	Pitta alu	Santal, Kolha, Bund, Bathuri & Bhuian	Tihiri (Bhadrak)	Leaf	Juice applied locally	Skin infections	Girach et al., 1996
		Noi alu, Madi Alu	Tanla	Malyagiri (Dhenkanal)	Leaf	Ground and rubbed all over the body. Complete relief ensured within 2 hours.	Acute itching	Brahmam et al., 1996
152.	<i>Dioscoria hamiltoni</i> Hook. f. (Dioscoreaceae)	Konta alu	Tanla	Kuludi (Dhenkanal)	Rhizome	Boiled and eaten	Increase appetite	Brahmam et al., 1996
153.	<i>Dioscorea wallichii</i> Hook. f. (Dioscoreaceae)	Soyak ojay	Tanla	Rohila (Dhenkanal)	Rhizome	Roasted and eaten	Flatulence	Brahmam et al., 1996
154.	<i>Diospyros melanoxylon</i> Roxb. (Ebenaceae)	Kendu	-	Kotagada Kalinga (Phulbani)	Leaf	Tender leaf juice taken orally, (d.n.s.)	Diarrhoea	Mohanty et al., 1996
		Kendu	Kondh	Rajkakhola, Nediguda, Badruguda (Phulbani)	Bark	Unspecified	Diarrhoea & Dyspepsia	Dash & Mishra, 1999
155.	<i>Diospyros Montana</i> Roxb (Ebenaceae)	Paten	Kondh	Jalmahadev (Sam-balpur)	Bark	Paste (10gm) given with boiled rice once daily for 3-4 days.	Swelling of body (Sud disease)	Brahmam & Saxena, 1990
156.	<i>Diospyros lancaefolia</i> Roxb. (Ebenaceae)	Kodamakha	Bondo	Khemaguru (Koraput)	Leaf	Powered infusion prescribed for bath of children	Anaemia	Aminuddin & Girach, 1991
157.	<i>Diospyros peregrine</i> (Gaertn.) Guerke (Ebenaceae)	Makar-kendu	Oriya	Harishankar (Bolangir)	Fruit	Pulp (10gm) made into paste in goat's milk given for internal use	Leucorrhoea	Brahmam & Saxena, 1990
158.	<i>Diospyros sylvatica</i> Roxb. (Ebenaceae)	Kali ghunti	Tanla	Malyagiri (Dhenkanal)	Leaf	Power sprinkled over pond water.	Piscicide	Brahmam et al., 1996
159.	<i>Diplocyctos palmatus</i> (L) C. Jeffrey (Cucurbitaceae)	Shivalinga	Oriya	Manbhang, Paikmal (Sam-balpur)	Seed & Root	Decoction of 10 seeds & root (10gm) of such a plant of this spp. Which never fruits, roots (10gm) of 'Devanasan' (<i>Croton roxburghii</i> Balak) & 3 seeds of Dhale gunj' (white seeded <i>Abrus precatorius</i> L.) given once daily for 3 days.	Mense induction in girls & women	Brahmam & Saxena, 1990
160.	<i>Echinops echinatus</i> Roxb. (Aste-	Siba	Tanla	Malyagiri (Dhen-	Seed	Pounded and mixed in Karanj [<i>Pongamia pinnata</i> (L) Pierri]	Earache	Brahmam et al., 1996

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
	raceae)			kanal)		oil; 3-4 drops of oil obtained after filtering put in ear twice a day (pus form also cures after only 2 appli.)		
161.	<i>Eclipta prostrata</i> (L) L.(Asteraceae)	Batresh	Oriya	Manbhang, Paikamal (Sambalpur)	Whole Plant	Plant (30gm) cooked and eaten	Alleviate body heat, cure pimples of sex organs	Brahmam & Saxena, 1990
		Koda Kesudra Bund, Bathuri & Bhuian	Santal, Kolha,	Haripur (Bhadrak)	Leaf	Macerated juice with sufficient water taken internally. (d.n.s.)	Dysentery in children	Girach et al., 1996
		-	Kondh	Rajaka-khola, Nediguda & Badruguda (Phulbani)	Leaf	Unspecified.	Jaundice & Liver disorder	Dash & Mishra, 1999
162.	<i>Elephantopus scaber</i> L. (Asteraceae)	Mayur-chulia	Oriya	Budasa-maropahad (Bolangir)	Root	a. Paste along with castor oil applied on forehead.	Headache	Brahmam & Saxena, 1990
		Duisu-nika	Bondo	Mudulipada (Koraput)	Root	b. Powder (5gm) mixed with 3 black peppers kept in dental cavity at bed time for 2-3 days (root powder also given orally.)	Pyorrhoea	Aminuddin & Girach, 1991
		Chande-sar	Kondh	Raikia (Phulbani)	Root	c. Root powder (10gm) with half dozen black pepper boiled in 250 ml water till it becomes half. Decoction given with honey twice a day.	Diarrhoea	Girach, 1992
		Mayur-chulia	Kondh	Belghar (Phulbani)	Whole Plant	One plant boiled in 200ml of water till it becomes one fourth. 25ml decoction per dose given thrice a day for 3 days.		
		-	Kondh	Rajaka-khola Nediguda & Badruguda (Phulbani)	Root / Under ground parts	Unspecified.	Pimples in infants	Dash & Mishra, 1999
		Manjuri-jhuti, Mayuri chulo	Tanla	Malyagiri (Dhen-kanal)	Root / Leaf	Boiled in castor oil applied on the head. Ground with chilli, tamarind, onion, garlic and Ambeda [<i>Spondias pinnata</i> (L.f.)Kurz], ca 100gm paste given to children once daily in empty stomach for 3 days.	Madness Appetite promotion	Brahmam et al., 1996
163.	<i>Emblica officinalis</i> Gaertn.	Singair	Bondo	Mudulipada (Koraput)	Furit	Dried fruit with fruit of <i>Beleric myrobalan</i> (?) made into powder	Cold	Aminuddin & Girach,

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
	(Euphorbiaceae)					mixed in equal quantity, given 3 times a day.		1991
		Aaola	Kondh	G. Udaya- giri (Phulbani)	Fruit	One teaspoonful juice mixed with 1gm powdered root of 'Akan-bindi' (<i>Cissampelos pariera</i> L.) the drug given thrice a day for 3 days.	Blood dysentery	Girach, 1992
		Amola	Santal, Kolha, Bund, Bathuri & Bhuian	(Keonjhar) Similipal (Mayur- bhanj)	Fruit	Unspecified	Cold, cou- gh, throat infection, hair falling	Nayak et al., 1998
164.	<i>Embelia robusta?</i> (Myrsinaceae)	Baibi- ranga	Santal, Kolha, Bund, Bathuri & Bhuian	(Keonjhar) Similipal (Mayur- bhanj)	Fruit	Unspecified	Fever, chest pain & skin disease	Nayak et al., 1998
165.	<i>Entada rheedii</i> Spring. (Mimosaceae)	Hanu- man loha	Gond	Junadihi (Sambalpur)	Root Stem	10gm each of root and stem powder prescribed orally	Diarrhoea	Brahmam & Saxena, 1990
		Hanu- man mura	Kondh, Oriya			Twig Kept in cattle shed to keep off the diseases		
166.	<i>Erycibe paniculata</i> Roxb. (Convolvulaceae)	Kari	Sanal	-	Whole Plant	Infusion used as gargle	Gum pain	Trivedi et al., 1982
		Koi- kumru, Koikhu- mbar	Kondh	Harishankar (Bolangir)	Leaf, twig & Bark	Decoction (5gm. Each) given orally (d.n.s.)	Bronchial asthma	Brahmam & Saxena, 1990
		Koikh- amar, Chain- katho	Oriya	Jalmahadev (Sambalpur)	Twig & Bark	Decoction (5gm each) along with bark (5gm) of <i>Entada rheedii</i> administered once daily for 4-5 days.	Increase potency	
				Kapildhara (Bolangir)	Stem	Decoction of stem (5gm) and root (5gm) of Chintamula' (<i>Plumbago auriculata</i>) given 2-3 times for post delivery complications.	"Sutika" disease	
167.	<i>Erythrina resupinata</i> Roxb. (Fabaceae)	Bado- kanda	Oriya	Patthar, Nrusingh- nath (Bolangir)	Root	a. Root (10gm) ground with 1gm each of 'Pipli' (<i>Piper longum</i> L.) clove, ginger, black pepper, Kalazira (<i>Nigella sativa</i> L) and chillies given orally (d.n.s.) b. Root powder (10gm) prescribed (d.n.s.) c. Root of this plant, bark of 'Phanphan' (<i>Oroxylum indicum</i> L.) Vent, 'Belo' (<i>Aegle marmelos</i> L.) Patal Kumuda' (<i>Pueraria tuberosa</i> D.C.) and garlic crushed in equal quantities, cooked in oil and this oil rubbed on rheumatic joints	Fever, Leprosy Rheuma- tism Rheuma- tism	Brahmam & Saxena, 1990

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
						d. Root (10gm) with 5gm each of garlic, 'Sunthi' 'Bhuin Kakharu' and Juani (<i>Trachyspermum ammi</i>) powdered and given orally, d.n.s	Rheuma- tism	
168.	<i>Erythrina variegate</i> L. (Fabaceae)	Rinki	Bondo	Muduli- pada (Koraput)	Twig	Used as toothbrush.	Toothache	Aminuddin & Girach, 1991
		Palad- hua	-	Kabisurya- nagar (Ganjam)	Bark	Decoction administrated orally.	Blood dysentery	Mohanty et al., 1996
		Palad- hua	Oraon	Orampara (Sundargarh)	Leaf	A piece of cloth soaked in leaf leachate used for fomentation of joints affected by rheumatoid arthritis	Rheuma- tism	Satapathy & Brahmam, 1996
		Palad- hua	Kondh	Rajaka- khola Ne- diguda & Badruguda (Phulbani)	Bark	Unspecified	Dysentery & Indige- stion	Dash & Mishra, 1999
169.	<i>Eulophia nuda</i> Lindl. (Orchida- ceae)	Bhrata- batuli, Churia- kand	Oriya	Budasama- ro pahad (Bolangir)	Tuber	One whole tuber ground with 5 black peppers in 'Chawaldhua' water and given twice a day for 7 days.	Spermato- rrhoea, Leucorr- hoea, Ab- dominal pain due to non- menstrua- tion	Brahmam & Saxena, 1990
				Harishan- kar pathar (Bolangir)	Tuber	Paste of tuber with a few black peppers administered in cow milk once daily on empty sto- mach for 2-3 days.	Spermato- rrhoea	
170.	<i>Eupatorium odo- ratum</i> L. (Com- positae)	Kusuri, Zaman	Saora, Kondh	Mohana, Sikulipada (Ganjam)	Leaf	Leaves crushed and juice applied locally	Cuts	Jain et al., 1973
171.	<i>Euphorbia antiqu- orum</i> (Euphorbia- ceae)	Siju	Santal, Kolha, Bund, Bathuri & Bhuian	(Keonjhar), Similipal (Mayur- bhanj)	Latex	Unspecified	Cough, Cold, Asthma	Nayak et al., 1998
172.	<i>Euphorbia hirta</i> L. (Euphorbiaceae)	Khirsag	Oriya	Durgapa- nga (Phul- bani)	Leaf	Crushed leaf extract taken orally with honey once in the morning for a month.	Leucorr- hoea	Sahoo & Mudgal, 1995
		Bulasiju	Santal, Kolha, Bund, Bathuri & Bhuian	(Keonjhar), Similipal (Mayur- bhanj)	Whole Plant	Unspecified	Cough, Cold, Bronchitis & Asthma	Nayak et al., 1998
		Rama- jong	Lanjia	(Koraput)	Latex	External application	Itching eye	Malik, 1998
173.	<i>Euphorbia ligularia</i> Roxb. (Euphor-)	Thua	Oriya	Harisha- nkar	Latex	Latex applied to gums	Tooth extraction	Brahmam &

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
	biaceae)			(Bolangir)				Saxena, 1990
		Patra- siju	Kisan	Koida (Sundar- garh)	Latex	10gm latex in which 8-10 seeds of 'Siris' [<i>Albizia lebbbeck</i> (Linn) Benth.] ground and applied on effected dog bite.	Antidote for rabid	Satapathy & Brahman, 1996
174.	<i>Euphorbia neri- folia</i> L. (Euphor- biaceae)	Patra- siju	Santal, Kolha, Bund, & Bhuian	(Keonjhar), Similipal (Mayur- bhanj)	Latex	Unspecified	Fish poison	Nayak et al., 1998
175.	<i>Euphorbia pulche- rrima</i> Willd. Ex Klotz. (Euphor- biaceae)	Khira- sagar	Santal, Bhumij, Kol, Munda, Bathudi	Gopalma- dhav (Bhadrak)	Leaf	Warm leaves placed on abdomen	Burning micturation	Girach et al., 1996
176.	<i>Euphorbia tirukalli</i> L.(Euphorbiaceae)	Dengli- siju	Santal, Kol, Munda, Bhumij & Bathudi	Jodang (Bhadrak)	Latex	Few drops of latex in a glass of water drunk as purgative.	Constipa- tion	Girach et al., 1996
		Dangla- siju	Bhumij, Kol, Munda, Santal	Arnapal (Bhadrak)	Whole Plant	Plant mixed with some other ingredients boiled in 1000ml water till it reduced to 250 ml . it is cooled and given to cow.	Cough & Cold	Girach et al., 1998
177.	<i>Euphorbia thymi- folia</i> L. (Euphor- biaceae)	Banaola	Bhunja	Sonabera plateau (Kalahandi)	Whole Plant	One teaspoonful of decoction with honey given twice a day.	Blood in urine	Aminuddin & Girach, 1993
178.	<i>Eucalyptus lan- ceolatus</i> ? (Myrtaceae)	Patas	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar) Similipal (Mayur- bhanj)	Root, Leaf	Unspecified	Constipa- tion Head- ache	Nayak et al., 1998
179.	<i>Feronia limonia</i> (L.) Sw.(Rutaceae)	Kaitha	-	Chikiti (Ganjam)	Unripe fruit	Paste taken orally twice a day for 3 days.	Diarrhoea	Mohanty et al., 1996
180.	<i>Ficus sp.</i> (Moraceae)	Aduprey	Lanjia	(Koraput)	Leaf	Unspecified.	Lactation	Malik, 1998
181.	<i>Ficus benghalensis</i> L.(Moraceae)	Bar	Oraon, Munda, Bhuiyan, Gond, Dhanuar & Routia	Gambari- dih, Kun- chpani (Samb- alpur)	Adven- titious root alpur)	Crushed and boiled in cow's milk. Decoction stained and served hot. (External piles exposed to smoke formed by burning buffalo horns)	Piles	Mukherjee & Nam- hata, 1990
		Baro	Kondh	Khajuri- pada (Phulbani)	Aerial Root	Tips made into paste poultice applied locally	Syphilis	Girach, 1992
					Root	Macerated paste applied locally	Bleeding piles	
		Baro Brodi, Mrahundi	Oriya, Kondh	Bakikamba, Gressingia (Phulbani)	Fruit	Dried in shade, powdered and taken with honey in morning and evening for a week.	Spermato- rrhoea	Sahoo & Mudgal, 1995
					Latex	25-30 drops taken with a banana once in morning for a month.	Gonorr- hoea	

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
		Bara / Bata	-	Kodala, Chatrapur (Ganjam)	Prop roots	Juice administered orally to children	Dysentery	Mohanty et al., 1996
		Bara	Oriya, Munda	Baragaon (Sundar- garh)	Prop roots	10gm pounded in curd (20ml) taken daily.	Better health & memory enhace- ment	Satapathy & Brahmam, 1996
182.	<i>Ficus heterophylla</i> L.f. (Moraceae)	Panisa- hada	Bhumij, Kol, Munda, Santal	Garatpur (Bhadrak)	Bark Twig	Decoction used as mouthwash Used as toothbrush	Pyorrhoea Dental care	Girach et al., 1997
183.	<i>Ficus hispida</i> L.f. (Moraceae)	Dimiri	-	Nuagaon, Manamu- nda, Kan- tamala, Boudh (Phulbani)	Stem	Latex collected from cut wounds of stem taken orally by adults.	Dysentery, Diarrhoea	Mohanty et al., 1996
		Dimuri	Santal, Bhumij, Kol, Munda, Bathudi	Bhadrak (Bhadrak)	Root	Juice, half a cup drunk twice daily.	Gonorr- hoea	Girach et al., 1996
		Dimuri	Bhumij, Kol, Munda, Santal	Palia (Bhadrak)	Latex Stem Juice	Applied locally Juice oozing out on cutting stem taken orally.	Cuts Headache	Girach et al., 1997
184.	<i>Ficus religiosa</i> L. (Moraceae)	Aswatha	Oriya	Tangarpali (Sundara- garh)	Fruit / Bark	Fruit paste (10gm) or bark paste (5gm) taken for over intoxication by opium.	Opium intoxi- cation	Satapathy & Brahmam, 1996
185.	<i>Ficus virens</i> Ait. (Moraceae)	Kuajari	Oraon, Munda, Gond, Biramitra- Bhuiyan, pur (Sun- Dhanuar dargarh) & Routia	Bisra, Kanika, Biramitra- pur (Sun- Dhanuar dargarh)	Bark	Bark dust mixed with coconut oil smeared on skin infections like dermatitis, ring worm and ulcers.	Skin infection	Mukherjee & Namhata, 1990
186.	<i>Fioria vitifolia</i> (L.) Matt. (Malvaceae)	Phuti- phutica	Santal, Bhumij, Kol, Munda, Bathudi	Jodang (Bhadrak)	Leaf	Applied locally.	Boils	Girach et al., 1996
187.	<i>Flacourtia indica</i> (Burm. F.) Merr. (Flacourtiaceae)	Randi- char	Oriya	Junadihi (Bhadrak)	Bark	a. Paste (5gm) and 2-3 'Dhan Mirchi' (very small red chillies) given.	Chest pain	Brahmam & Saxena, 1990
		Kanta- dhaura	Oriya	Jalma- hadev (Samba- lpur)	Bark	b. Decoctions of barks (10gm each) of <i>Entada rheedii</i> , <i>Erycibe paniculata</i> Roxb. And 10-15 cotton seeds given once daily for 4-5 days.	Back ache in females	
		Kanta- chheura	Oriya	Hari- shankar Patthar	Root	10cm long thin root ground with 4 black pepper berries in cow's milk and given for internal use.	Stomach heat (Gastritis)	

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
				(Bolangir)		Also administered once daily in empty stomach for 3 days.	Blood pressure & excess body heat	
188.	<i>Flacourtia ramontchi</i> L. Herit (Flacourtiaceae)	Bhuin Kanta	Paudi, Bhuinya	Bonai Hills (Sundargarh)	Stem bark	Warm decoction (one half glass) taken once daily to reshape abdomen after delivery.	Postnatal complaints	Aminuddin & Girach, 1996
189.	<i>Flemingia macrophylla</i> (Willd.) O. Kuntz ex Merr. (Fabaceae)	Thutikuria	Oriya	Harishankar (Bolangir)	Whole Plant	Plant juice (one table spoonful) taken orally.	Stomach ache	Brahmam & Saxena, 1990
190.	<i>Flemingia strobilifera</i> (L.) Ait. (Fabaceae)	Eknadia	Paudi, Bhuinya	Bonai Hills (Sundargarh)	Root	Decoction (one teaspoonful every night) taken as cooling tonic.	Diarrhoea	Aminuddin & Girach, 1996
191.	<i>Gardenia gummi-fera</i> L. f. (Rubiaceae)	Gurudi	Tanla	Kuludi (Dhenkanal)	Fruit	Ripe fruit eaten.	Diarrhoea	Brahmam et al., 1996
192.	<i>Gelonium multiflorum</i> A.Juss. (Euphorbiaceae)	Anjiray	Lanjia, Saora	(Koraput)	Bark	Used as contraceptive (d.n.s.)	Conception prevention	Malik, 1996
193.	<i>Geodorum densiflorum</i> (Lamk.) Schltr. (Orchidaceae)	Kukur-muria	Oriya	Harishankar Patther (Bolangir)	Root	Juice and paste of root stock applied locally.	Rabbit and dog bites	Brahmam & Saxena, 1990
194.	<i>Globba marantina</i> L. (Zingiberaceae)	Chhota rasna	Oriya	Harishankar Patthar (Bolangir)	Root	Paste of root (10gm) 7 black peppers, 'Pippali' (<i>P. longum</i> L.) 1gm, 'Ajowan' (<i>Trachyspermum ammi</i>) 2gm, (One table spoonful) given once daily.	Asthma, Cough, Rheumatism, Bile troubles & Reeling	Brahmam & Saxena, 1990
195.	<i>Glochidion zeylanicum</i> A.Juss. (Euphorbiaceae)	Barlu	Oriya	Jamlehdev (Sambalpur)	Whole Plant	Plant boiled in water and used for bathing purpose.	Pimples of body	Brahmam & Saxena, 1990
196.	<i>Gloriosa superba</i> L. (Liliaceae)	Barishkanda	Oriya	Harishankar (Bolangir)	Root	Paste applied to abdomen after applying turmeric paste for 3 days	Pirhi disease in children	Brahmam & Saxena, 1990
			Kondh	Rajakakhola, Nediguda & Badruguda (Phulbani)	Root / Under ground parts	Unspecified	Abortion	Dash & Mishra, 1999
197.	<i>Glossogyne bidens</i> (Retz.) Alston (Asteraceae)	Buthitejraj	Bhunjia	Sonabera plateau (Kalahandi)	Root	Root pounded with root of Tejarj (<i>Peucedanum dhana</i>) and after mixing with edible oil applied as massage on effected part.	Rheumatism	Aminuddin & Girach, 1993
198.	<i>Glycosmis arborea</i> (Roxb.) DC, (Rutaceae)	Chauldhua	Santal, Bhumij, Kol, Munda, Bathudi	Elkhar (Sundargarh)	Fruit	A handful of immature fruits pounded with 7 black peppers wrapped in 'Sal' (<i>Shorea robusta</i>) leaves cancer and smoked.	Throat cancer	Girach et al., 1996

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
199.	<i>Glycosmis penta- phylla</i> (Retz.) Correa (Rutaceae)	Tarang Rach- muni	Saora, Kondh	Ladrimi (Ganjam)	Root	Paste given with water 2-3 times daily.	Post- delivery pains	Jain et al., 1973
200.	<i>Glycyrrhiza glabra</i> L. (Fabaceae)	Jastim- adhu	Santal, Kolha, Bunda, & Bhuian	(Keonjhar), Similipal (Mayur- bhanj)	Stem & Root	Unspecified	Soar throat & Cough	Nayak et al., 1998
201.	<i>Gmelina arborea</i> Roxb. (Verbena- ceae)	Gam- bhari Kam- bhar	- Santal, Kolha, Bund, & Bhuian	Bhanjana- gar (Gan- jam) (Keonjhar), Similipal (Mayur- bhanj)	Fruit Bark	Ripened fruit juice with sugar and pomegranate fruit juice taken orally. Unspecified.	Dysentery Poisoning	Mohanty et al., 1996 Nayak et al., 1998
202.	<i>Grangea madaras- patana</i> (L.) Poir. (Asteraceae)	-	Kondh	Rajaka- khola Ne- diguda & Badruguda (Phulbani)	Whole Plant	Unspecified	Stomach diseases	Dash & Mishra, 1999
203.	<i>Grewia sapida</i> Roxb. (Tiliaceae)	Bansuli	Bhunja	Sonabera plateau (Kalahandi)	Root	Paste applied locally	Boils	Aminuddin & Girach, 1993
204.	<i>Grewia rothlii</i> DC. (Tiliaceae)	Kukur- chipa	Tanla	Malyagiri (Dhen- kanal)	Leaf & Flower to bud	Cooked as vegetable and given to women after delivery.	Post- delivery complaints	Brahmam et al., 1996
205.	<i>Gymnema sylve- stris</i> (Retz.) R.Br. ex Sch. (Asclepia- daceae)	Guda- mari	Santal, Kolha, Bunda, & Bhuian	(Keonjhar), Similipal (Mayur- bhanj)	Leaf	Unspecified	Lice killer, Dysentery Intestinal trouble	Nayak et al., 1998
206.	<i>Hedychium coro- narium</i> Koeing ex Retz. (Zingi- beraceae)	Dhusuli	Oriya	Dhudsi Belghar (Phulbani)	Flower	Flowers and black peppers (2:1) paste taken twice a day for a week.	Dysuria	Sahoo & Mudgal, 1995
207.	<i>Helicteres isora</i> (Sterculiaceae)	L. Kurku- rai, Keheli	Saora, Kondh	Randiba (Gajnam)	Root	Decoction applied locally	Cuts & Wounds	Jain et al., 1973
208.	<i>Heliotropium indicum</i> L. (Boraginaceae)	Hatisar	Santal, Kolha, Bunda, & Bhuian	(Keonjhar), Similipal (Mayur- bhanj)	Leaf	Unspecified	Boils & Wounds	Nayak et al., 1998
209.	<i>Hemidesmus indicus</i> (L.) R. Br. (Asclepiadaceae)	Dudhili- butta	Bondo	Mudulipada (Koraput)	Root	a. Powder (10gm) mixed with 30gm stem bark of [Jamun (<i>Syzygium cumini</i> (L) Ske- els] given with water in empty stomach, with in 3 days of delivery. b. Powder (30gm) given in 6 divided doses twice a day.	Increase lactation Diarrhoea	Aminuddin & Girach, 1991
		Sugandhi	Kondh	Baliguda (Phulbani)	Root	50 gm powder boiled in 500ml water till it becomes 100ml.	Excess menstru-	Girach, 1992

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
						100ml decoction given once every day for 3-4 days.	Itching	
		Sugandhi	Kondh	Khajuri- pada (Phulbani)	Root	Root paste applied locally.	Itching	Girach, 1992
		Sugandhi	Kondh	Gariapara Ghat (Phulbani)	Root	Root (10gm) boiled in 500ml water till it becomes half. One teaspoonful decoction with equal quantity of mother's milk given.	Diarrhoea	Girach, 1992
		Cher- maru	Tanla	Malyagiri (Dhen- kanal)	Root	5-6 cm. long root paste given twice a day with milk.	Fever & Body pain	Brahmam et al., 1996
		Sugandhi -		Polasara (Ganjam)	Root, Tuber	Ground with fennel (<i>Foeniculum vulgare</i> Mill.) paste taken with molasses twice a day for 3 days.	Diarrhoea & Dysentery	Mohanty et al., 1996
		Pangua	Santal, Bhumij, Kol, Munda, Bathudi	Naiguda (Bhadrak)	Root	Chewed as antidote to poison of fish sting locally called 'Singimacho'	Antidote	Girach et al., 1996
		Rupedi	Lanjia	(Koraput)	Root	Mixed with 'Rasanjing' leaves given (d.n.s.)	Dysentery 1998	Malik, 1998
		-	Kondh	Rajikak- hola, Ne- diguda and Badruguda (Phulbani)	Root / Under ground parts	Unspecified	Dysentery & Diarrhoea	Dash & Mishra, 1999
210.	<i>Hemigraphys hirta</i> . Nees. (Acanthaceae)	Gandhi- buti	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar), Similipal (Mayur- bhanj)	Whole Plant	Unspecified	Eczema	Nayak et al., 1998
211.	<i>Heterostemma piperifolium</i> King & Gamble (Asclepiadaceae)	Badab- hulan	Kondh, Oriya	Nrusin- ghnath, Harisha- nkar Pa- tther (Bolangir)	Root	a. Paste (5gm) 7 black pepper berries, root (15gm) of 'Devanasan' (<i>Croton roxburghii</i> Balak) rhizomes (5gm) of Bhutanasa (<i>Zingiber capitatum</i> Roxb.) & 2-3 seeds of 'Kola Kaincha' (<i>Abrus precatorius</i> L. black seeded) prescribed. b. Decoction (5gm) given to children (d.n.s.)	Meno- rrhagia	Brahmam & Saxena, 1990
212.	<i>Heterostemma tanjorensis</i> Wight & Arn. (Asclepiadaceae)	Badob- hulan	Kondh	Harisha- nkar Pa- tther (Bolangir)	Root	Paste applied on forehead to drive away impacts of evil spirits.	Witch craft	Brahmam & Saxena, 1990
213.	<i>Hibiscus rosasine-nsis</i> L. (Malvaceae)	Mandar	Kondh	Belghar (Phulbani)	Flower	50gm dried flowers powdered with 7 black peppers berries powdered drug given approx 5gm per dose thrice a day for 3 days.	Bleeding Piles	Girach, 1992

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference	
214. <i>Holarrhena anti-dysenterica</i> (L.) Wall. ex DC. (Apocynaceae)		Mandar	Santal, Bindha Bhumij, (Bhadrak) Kol, Munda, Bathudi	Leaf	Paste applied on forehead		Headache	Girach et al., 1996	
		Mandar	Sanal, (Keonjhar) Kolha, Similipal Bunda, (Mayur-Bathuri bhanj) & Bhuian	Flower, Unspecified Leaf			Burns & scalds	Nayak et al., 1998	
		Dud-khury	-	-	Latex	Used locally		Eczema, skin infections	Saxena et al., 1981
		Kurai	Paudi, Bhuinya	Bonai Hills (Sundargarh)	Root	Root mixed with equal quantity of 'Harada' (<i>Terminalia chebula</i> Retz.) 'Bhada' [<i>Terminalia bellerica</i> (Gaertn) Roxb.] and 'Bhejri' (<i>Solanum surttense</i> Burm. f.) fruits boiled in water till taken twice daily for a week.	Cough / cold	Aminuddin & Girach, 1996	
215. <i>Holarrhena pubescens</i> (Buch. Ham.) Wall. ex Don. (Apocynaceae)		Kirat	Lanjia	(Koraput)	Root	Unspecified.	Dysentery	Malik, 1998	
		Kure, Keruon	Kondh, Oriya	Harishankar, Patther (Bolangir) Budasamro pahad (Sambalpur)	Root	Paste applied on anus in children	Expel worms	Brahmam & Saxena, 1990	
		Kuruchi	Bondo	Kudulipada (Koraput)	Root	a. Powder given, (d.n.s.)	Dysentery	Aminuddin & Girach, 1991	
		Kuruchi	Kondh	Khajuripada (Phulbani)	Root Stem bark	b. Paste applied locally. 50gm dried bark boiled in 1 lit. water till it becomes 200ml.half a glass decoction given once every morning.	Snake bite Bleeding	Girach, 1992	
		Kuruchi	Kondh	Khajuripada (Phulbani)	Seed	Powder (5gm) given once a day	Fever	Girach, 1992	
216. <i>Hybanthus enneaspermus</i> (L.)		Kurchi	Bhumij, Kol, Munda, Santal Kondh	Agarpada (Bhadrak)	Fruit	Unripe fruit powder mixed with an edible oil, warm mixture applied to neck of cattle	Worm infestation	Girach et al., 1998	
			Rajikakhola, Nediguda, Badruguda (Phulbani)	Leaf	Unspecified.	Rheumatism	Dash & Mishra, 1999		
		Madan-mastak	Gond	Hamgiri (Sundar-	Plant	20gm ground with 3 black peppers given in morning on	Diabetes	Satapathy &	

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
	Muell. (Violaceae)			garh)		empty stomach for one month.		Brahmam, 1996
217.	<i>Hygrophila auriculata</i> (Schum) Heine (Acanthaceae)	Kuili- khia	Bhumij, Kol, Munda, Santal	Basantia (Bhadrak)	Stem	Ash eaten with honey (d.n.s.)	Kidney/ Urinary bladder stone	Girach et al., 1996; 1997
					Root	Root chewed as antidote to fish sting poison.	Antidote	
					Leaf	A handful leaves pounded together with black peppers and eaten twice daily.	Infantile diarrhoea	
218.	<i>Hygrophila schultii</i> (Ham.) Almeida & Almeida (Acanthaceae)	Bilaka- nta, Kuili- khia	Munda, Oriya	Tengerpali (Sundar- garh)	Leaf	Juice of 10 leaves with 3 black pepper berries taken daily for 7 days.	Oedema & Jaundice	Satapathy & Brahmam, 1996
219.	<i>Hymenodictyon oriensis</i> (Roxb.) Maberly [=Hymenodictyon excelsum (Roxb.) Wall.] (Rubiaceae)	Ghuli, Buriga, Kudo, Bhingava	Kol, Saora	-	Root	Paste applied locally on joint.	Gout	Saxena et al., 1981
		Bodoka, Konu	Oraon, Munda, Bhuiyan, Gond, Dhanuar & Routia	Chandiposh (Sundar- garh)	Bark & Lea- chate	Very dilute leachate used to ameliorate high fever.	Fever	Mukherjee & Namhata, 1990
220.	<i>Ichnocarpus frutescens</i> (L.) R. Br. (Apocynaceae)	Uthrudi	Tanla	Malyagiri (Dhen- kanal)	Stem	Tender stem 1.5 – 3 mm dia.) inserted into the boils for removal of pus.	Wound healing	Brahmam et al., 1996
		Anant- mula	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar)	Root	Unspecified	Elephan- tiasis, Nerve disease	Nayak et al., 1998
221.	<i>Indigofera cassioides</i> Rottl. ex. D.C. (Fabaceae)	Gilri	Bhunja	Sonabera plateau (Kalaha- ndi)	Seed	Seeds of young pods eaten raw.	Protein supplement	Aminuddin & Girach, 1993
222.	<i>Ipomoea aquatica</i> Forsk. (Convolvulaceae)	Nalaba- disha	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar)	Whole Plant	Unspecified	Eczema	Nayak et al., 1998
223.	<i>Ipomoea batatas</i> (L.) Lamk. (Convolvulaceae)	Kanda	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar)	Leaf	Unspecified	Scorpion bite	Nayak et al., 1998
224.	<i>Ipomoea eriocarpa</i> R.Br. (Convolvulaceae)	Musa- kani	Oriya	Junidihi forest (Samba- lpur)	Plant	Paste applied hot at night for 7 days.	Corns	Brahmam & Saxena, 1990

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
225.	<i>Ipomoea heteri- folia</i> L. (Convo- lulaceae)	Panialu	Tanla	Malyagiri (Dhen- kanal)	Tuber	a) Raw tuber eaten. b) Boiled tuber eaten	Improve digestion Clear urination	Brahmam et al., 1996
226.	<i>Ipomoea mauriti- ana</i> Jacq. (Con- volvulaceae)	Bilai- kand	Bhumij, Kol, Munda, Santal	Kolho (Bhadrak)	Root	Powder mixed with cattle feed given to milching cattle.	Increase lactation	Girach et al., 1998
227.	<i>Ipomoea</i> sp. (Convolvulaceae)	Tuitui- srida	Lanjia	(Koraput)	Bark	Applied locally	Boils	Malik, 1998
228.	<i>Ipomoea sepiaria</i> Roxb. (Convol- vulaceae)	Katha- kalame	Santal, Kol, Bhumij, Munda, Bathudi	Palia bindha (Bhadrak)	Whole Plant	Paste applied locally especially among infants	Boils	Girach et al., 1996
229.	<i>Jasminum sambac</i> (L.)Ait. (Oleaceae)	Malli	Oraon	Orampara (Sundar- garh)	Leaf	Leaf coated ventrally with butter kept on eye overnight	Conjuncti- vitis & Stye	Satapathy & Brahmam, 1996
230.	<i>Jatropha curcas</i> L. (Euphor- biaceae)	Lonka- jada	Kondh	Phulbani (Phulbani)	Sap	Water sap oozing out from young cutting twigs and petioles applied locally.	Scabies	Girach, 1992
		Baigaba	-	Kabisur- yanagar (Ganjam)	Latex	Latex from stem and leaf taken orally along with ripe banana once or twice a day by adults	Dysentery	Mohanty et al., 1996
		Baigab	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar), Similipal (Mayur- bhanj)	Leaf, Bark & Roots	Unspecified	Piles, Leprosy & Diarrhoea	Nayak et al., 1998
231.	<i>Jatropha gossypi- folia</i> L. (Eupho- rbiaceae)	Nali Baligaba, Lanka Kala Nali Bondri	-	G.Uda- yagiri (Phulbani)	Stem, Bark	Aqueous extract taken orally twice a day	Blood dysentery	Mohanty et al., 1996
		-	Santal, Kol, Munda, Bhumij & Bathudi	Basantia (Bhadrak)	Plant	Fresh plant applied locally.	Scabies	Girach et al., 1996
		-	Kondh	Rajika- khola, Ne- diguda, Badruguda (Phulbani)	Leaf	Unspecified	Purgative	Dash & Mishra, 1999
232.	<i>Adhatoda vasica</i> Nees (New Name) [= <i>Justicia</i> <i>adhatoda</i> L.] (Acanthaceae)	Basango	Kondh	Kalinga (Phulbani)	Root	Dried root powder (10gm) with 7 black pepper berries given once orally.	Delivery expedition	Girach, 1992
		Basango	Santal, Munda, Bhumij, Kol, Bathudi	Singuda (Bhadrak)	Leaf	Juice used as nasal drops	Bleeding nose in summer	Girach et al., 1996

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
233.	<i>Kalanchoe pinnata</i> (Lamk.) Pers. (Crassulaceae)	Patra- gaja	Kondh	Khajuri- pada (Phulbani)	Leaf	7 nos. boiled in one glass of water till it becomes half. One cup leaf decoction with 3-5 ml honey per dose given twice a day.	Blood dysentery	Girach, 1992
		Ama- ropoi, Hema- kedar	-	Aska, Khalikote (Ganjam)	Leaf	Paste along with 3 black pepper berries taken orally twice a day.	Diarrhoea	Mohanty et al., 1996
234.	<i>Kirganellia reticulata</i> (Poir) Baill. (Euphorbiaceae)	Jhoja- ngi	Kondh	Korda (Phulbani)	Leaf	Paste applied on forehead.	Headache	Girach, 1992
235.	<i>Kydia calycina</i> Roxb. (Malvaceae)	Evak	Bondo	Mululipada (Koraput)	Stem bark	Used as detergent to wash hair.	Haircare	Aminuddin & Girach, 1991
		Kapa	Munda	Sundar- garh (Sundar- garh)	Seed	Ground with 'Kanji' applied locally	Leucode- rma	Satapathy & Brahmam, 1996
236.	<i>Lagenaria siceraria</i> (Mol.) standl. [= <i>Lageneria vul- garis</i> Ser.] (Cucurbitaceae)	Lauki	Santal, Kolha, Bunda, & Bhuian	(Keonjhar), Similipal (Mayur- Bhanj)	Leaf, Pulp	Unspecified	Jaundice & Burning sole	Nayak et al., 1998
237.	<i>Lagerstroemia parviflora</i> Roxb. (Lythraceae)	Senha	Bhunja	Sonabera plateau (Kalahandi)	Leaf	Lukewarm leaves placed on eyelids	Redness o f eye	Aminuddin & Girach, 1993
			Kondh	Rajika- khola Nediguda, Badruguda (Phulbani)	Bark	Unspecified	Wounds	Dash & Mishra, 1999
238.	<i>Lannea coromandelica</i> (Houtt.) Merr. (Anacardiaceae)	Mai, Khond, Gond	Oraon, Munda, Gond, Bhuiyan & Routia	Jamdihi Karmadihi (Sundar- garh)	Bark	Used as astringent	Astringent	Mukherjee & Namhata, 1990
		-	Kondh	Rajika- khola Ne- diguda, Badruguda (Phulbani)	Bark	Unspecified	Dysentery	Dash & Mishra, 1999
239.	<i>Lasia spinosa</i> (L) Thw. (Araceae)	Kanta, Kanda	Kondh	Badojharan (Sambalpur)	Rhi- zome	Cooked and eaten as tonic	Tonic	Brahmam & Saxena, 1990
240.	<i>Launaea acaulis</i> (Roxb.) Babcock ex Craib (Asteraceae)	Balraj Konda	Bhunja	Sonabera plateau (Kalahandi)	Root	Powder (5gm) with honey given thrice a day.	Diabetes	Aminuddin & Girach, 1993
241.	<i>Lawsonia inermis</i> L. (Lythraceae)	Manjuati-		Patrapur (Ganjam)	Root	Root pounded with neem leaf, coconut oil and dried ginger made	Diarrhoea	Mohanty et al., 1996

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
						to paste, dried & made to pills. Administered to babies by grinding with water		
		Chitra- kuta, Manjuati	Gond, Oriya	Hemgiri (Sundar- garh)	Leaf	Fresh leaves (1gm) and 3 black pepper berries made into paste in 50ml cow's milk taken daily for one month	Anaemia, Oedema & Jaundice	Satapathy & Brahmam, 1996
		Manju- ati	Bhumij, Kol, Munda, Santal	Erda (Bhadrak)	Twig	Used as toothbrush	Dental care	Girach et al., 1997
		Mehendi	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar), Similipal (Mayur- bhanj)	Leaf & Bark	Unspecified	Sore throat & Burning sole	Nayak et al., 1998
242.	<i>Leea compacti- flora</i> Kurz. (Leeaceae)	Hansia- dabar, Chee- lathu	Kondh, Oriya	Junadihi forest (Sam- balpur)	Whole Plant	With root paste applied hot on rheumatic joints. Massage oil also prepared using the whole plant	Rheuma- tism	Brahmam & Saxena, 1990
243.	<i>Leea macrophylla</i> Roxb. ex Horn. (Leeaceae)	Jayandi	Bondo	Khemaguru (Koraput)	Leaf	Used as cattle feed	Food supplement	Aminuddin & Girach, 1991
		Hatikan	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar), Similipal (Mayur- bhanj)	Leaf	Unspecified	Antife- rility	Nayak et al., 1998
244.	<i>Leucas aspera</i> Spreng.(Lamia- ceae)	-	Kondh	Rajika- khola Ne- diguda, Badruguda (Phulbani)	Leaf	Unspecified	Sinusitis	Dash & Mishra, 1999
245.	<i>Leucas indica</i> (L) R.Br. ex Vatke (Lamiaceae)	Gaise	Bhumij, Kol, Munda, Santal	Bhadrak (Bhadrak)	Leaf	Decoction with honey drunk (d.n.s.)	Jaundice	Girach et al., 1997
		Gaichha	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar), Similipal (Mayur- bhanj)	Leaf & Stem	Unspecified	Old sore wounds, nervous disorder	Nayak et al., 1998
246.	<i>Leucas mollissima</i> Wall. ex Benth. Var. <i>scaberula</i> Hook. f. (Lamiaceae)	Punji- sago	Kondh	Harisha- nkar Patther (Bolangir)	Leaf & Twig	Eaten raw	Cough	Brahmam & Saxena, 1990
247.	<i>Leucas plukenetii</i> (Roth.) Spr. (Lamiaceae)	Gaiso	Santal, Bhumij, Kol, Munda & Bathudi	Bhadrak (Bhadrak)	Leaf	a. Juice mixed with honey drunk at bed time b. A handful leaves pounded to- gether with 3 black pepper berries & eaten twice daily.	Anthelmi- ntic Malaria fever	Girach et al., 1996

Table 1: Contd....

S. No. & (Family)	Botanical Name	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
		Gaiso	Bhumij, Kol, Munda, Santal	Jutangad (Bhadrak)	Leaf	Paste applied on effected part.	Antidote to Scor- pion sting	Girach et al., 1997
					Seed	Powder mixed with edible oil applied locally	Eczema	
248.	<i>Leucaena glauca</i> L. (Mimosaceae)	Tentola	Bhumij, Kol, Munda, Santal	Mandari (Bhadrak)	Leaf	Mixed with cattle feed given to cattle	Diarrhoea	Girach et al., 1998
249.	<i>Licuala peltata</i> Roxb.(Arecaceae)	Banotali	Tanla	Malyagiri (Dhen- kanal)	Stem	Pith of basal stem prescribed.	Sexual potency	Brahmam et al., 1996
250.	<i>Limnoria crenulata</i> Roxb. (Rutaceae)	Kum- balli, Biyut	Saora, Kondh	Ladrimi (Ganjam)	Root	Pounded and made into pills, taken orally (d.n.s.)	Bodypain	Jain et al., 1973
251.	<i>Limnophila hete- rophylla</i> (Roxb.) Benth. (Scrophu- lariaceae)	Sugandhi	Munda	Banki (Sundar- garh)	Whole Plant	Poultice (5ml) with cow's urine (1ml) given once a day for 3 days.	Jaundice	Satapathy & Brahmam, 1996
252.	<i>Limnophila rugosa</i> (Roth.) Merr. (Scrophulariaceae)	Bhrin- garaj	Oriya	Budasa- mara pahad (Sambalpur)	Whole Plant	Used in preparation of hair oil. Constant use of this oil consi- dered good for brain and hair growth.	Hair care	Brahmam & Saxena, 1990
253.	<i>Lippia javanica</i> (Burm. f.) Spr. (Verbenaceae)	Nagairi	Bhumij, Kol, Kol, Munda, Santal	Mandarin (Bhadrak)	Whole Plant Leaf	Paste mixed with cow dug applied locally on cattle Juice mixed with butter milk given to domestic animals	Wound Diarrhoea & dysentery	Girach et al., 1998 Girach et al., 1998
254.	<i>Litsea glutinosa</i> (Lour.) Robinson (Lauraceae)	Gobinda	Bhumij, Kol, Munda, Santal	Samanta- pur (Bhadrak)	Leaf	Crushed leaves given with cattle feed	Indigestion	Girach et al., 1998
255.	<i>Ludwigia perennis</i> L. (Onagraceae)	Jalajali, Jalate- ndula	Oriya	Dutipada, Tumudi- bandha (Phulabani)	Leaf	With pomegranate, black berry [<i>Syzgium cumini</i> (L.) Keels] and 'Beal' (<i>Aegle marmelos</i> L.) boiled together and aqueous extract taken twice a day.	Chronic dysentery	Mohanty et al., 1996
256.	<i>Luffa acutangula</i> (L.) Roxb. (Cucurbitaceae)	Pitta- torai	Bhumij, Kol, Munda, Santal	Bindha (Bhadrak)	Seed	Seed oil applied locally.	Skin infection	Girach et al., 1997
257.	<i>Luffa cylindrical</i> (L.) Roem. (Cucurbitaceae)	Tarada	Kisan	Sundargarh (Sunda- rgarh)	Seed	Crushed and paste applied locally	Scabies	Satapathy & Brahmam, 1996
258.	<i>Logodium</i> <i>flexuosum</i> (L.) Sw. (Lygodiaceae)	Indrajali, Dokeri	Oriya, Kondh	Kalinga (Phulbani)	Root	Root (15 gm) with 7 black peppers made into paste and given twice a day for 4 days	Dysmeno- rrhoea	Sahoo & Mudgal, 1995
		Maha- jalo	Tanla	Rohila (Dhen- kanal)	Root	Ground in Mohua (<i>Madhuca</i> <i>indica</i>) or Tilo oil (<i>Guizotia</i> <i>abysinica</i>) applied all over the body of children.	'Kalo Batho' black patches disease	Brahmam et al., 1996

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
259.	<i>Lygodium flex- vorus</i> ? (Lygo- diaceae)	Araibo- ijira	Lanjia	(Koraput)	Root	Crushed & applied	Tooth cavities	Malik, 1998
260.	<i>Madhuca indica</i> Gmel.(Sapotaceae)	Mahula	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar) Similipal (Mayur- bhanj)	Flower, Unspecified Seed		Headache, Constipa- tion, Piles	Nayak et al., 1998
261.	<i>Madhuca longifolia</i> (Koen) Macbride var. <i>latifolia</i> (Roxb.) Chev.(Sapotaceae)	Mohula	Oraon, Munda, Bhuiyan, Gond, Dhanuar (Sundar- Routia Kondh	Bonai, Chandi- posh, Hemagir (Sundar- garh) Rajika- khola Nediguda, Badruguda (Phulbani)	Flower Bark Whole Plant	Decoction for internal use. Decoction for internal use Unspecified	Cough & Bronchitis Pyorrhoea Dysentery	Mukherjee & Namhata, 1990 Dash & Mishra, 1999
262.	<i>Mallotus philipe- nsis</i> (Lamk.) Muell arg. (Euphorbiaceae)	Kamal- gundi	Oraon, Munda, Bhuiyan, Gond, Dhanuar, Routia (Sundar- garh)	Dalakudar, Raxi, Champha- jharan, Salikuta (Sundar- garh)	Flower	Decoction used	Anthel- mintic	Mukherjee & Namhata, 1990
263.	<i>Mangifera indica</i> L.(Anacardiaceae)	Uli Amba	Bondo -	Khemu- guru (Koraput) Chikiti (Ganjam) Kondh Rajika- khola, Nediguda, Badruguda (Phulbani)	Stem, Bark Bark Leaf Bark	Powder given with jaggery once a day Paste with water taken twice a day by both children and adults. Aqueous cold extract of tender leaf taken internally. Unspecified	Abdominal pain Diarrhoea Dysentery Rheum- atism	Aminuddin & Girach, 1991 Mohanty et al., 1996 Dash & Mishra, 1999
264.	<i>Manilkara Zapata</i> (L.) Royen (Sapotaceae)	Sapata	-	Hinjilicut (Ganjam)	Fruit	Unripe fruit paste taken orally thrice a day for 3 days.	Diarrhoea	Mohanty et al., 1996
265.	<i>Marsilea minuta</i> L.(Marsileaceae)	Chhunu chhu- niasaga	Oraon	Orampara (Sundar- garh)	Leaf	a. Fried in cow's butter and eaten b. Juice (5ml) mixed with 20-25 gm of jaggery taken	Slumber induction Dyspepsia & Aneroxia	Satapathy & Brahmam, 1996
266.	<i>Martynia annua</i> L.(Martyniaceae)	Baghn- akha	Santal, Kol, Munda, Bhumij & Bathudi	Agarpada (Bhadrak)	Flower	Paste applied locally.	Skin infection	Girach et al., 1996
267.	<i>Melia azadirachta</i> L. (Meliaceae)	Maha- neem	Santal, Kolha,	(Keonjhar) Similipal	Flower & Fruit	Unspecified	Lice killer, Skin	Nayak et al., 1998

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
				Bunda, (Mayur- Bathuri bhanj) & Bhuian			disease & Disinfe- ctant	
268.	<i>Mesua ferrea</i> L. (Clusiaceae)	Nages- war	Oriya	Deulatota Gadapur (Phulbani)	Stem	Crushed in water and extract taken twice a day for one week	Leuco- rrhoea	Sahoo & Mudgal, 1995
		Nages- war	Oriya	Sundargarh (Sundar- garh)	Leaf	Juice (10-15ml) with honey, (d.n.s.)	Throat infection & Loss of voice	Satapathy & Brahmam, 1996
269.	<i>Mesua nagassa- rium</i> (Burm f.) Kost.(Clusiaceae)	Nages- wara or Naga- kedar	-	G. Udaya- giri, Dari- ngibadi (Phulbani)	Bark	Aqueous extract taken orally, (d.n.s.)	Diarrhoea	Mohanty et al., 1996
270.	<i>Milletia auriculata</i> Baker (Fabaceae)	Senag	Bondo	Mudulpada (Koraput)	Root	Powder used as piscide	Piscicide	Aminuddin & Girach, 1991
271.	<i>Mimosa pudica</i> L. (Mimosaceae)	Lajosag	Bondo	Muduli- pada (Koraput)	Stem	3cm long piece of stem tied as amulet on Sunday morning after reciting oracles in the neck of child	Fever	Aminuddin & Girach, 1991
		Lajakuli		Belaguntha (Ganjam)	Root	Pounded with water and liquid paste taken twice a day.	Diarrhoea	Mohanty et al., 1996
		Lajkoli	Santal, Bhumij, Kol, Munda & Bathudi	Gopalma- dhav (Bhadrak)	Leaf	Juice drunk after meals	Burning micturation	Girach et al., 1996
		Lajakuli	Santal, Kolha, Bunda, & Bhuian	(Keonjhar), Similipal (Mayur- bhanj) & Bhuian	Root	Unspecified	Dysentery	Nayak et al., 1998
		-	Kondh	Rajika- khola, Nediguda, Badruguda (Phulbani)	Root / Under ground parts	Unspecified	Urinary disease	Dash & Mishra, 1999
272.	<i>Mimusops elengi</i> L. (Sapotaceae)	Bakula	Oraon, Munda, Bhuiyan, gond, Dhanuar, Routia	Rajamunda, Biramita- rapur, Jamdihi (Sundar- garh)	Seed, Leachate Bark leachate	Internal use, (d.n.s.) Internal use (d.n.s.)	Consti- pation & Diarrhoea	Mukherjee & Namhata, 1990
		Bakula	Khariya	Rajgangpur (Sundar- garh)	Seed	2-3 seeds crushed and given twice a day for 7 days	Urinoge- nital troubles	Satapathy & Brahmam, 1996
273.	<i>Mitracarpus verticillatus</i> (Schum) Vatke (Rubiaceae)	Gathia- gobi	Kondh	Harish- ankar Patther (Bolangir)	Whole Plant	Paste (10gm) taken orally (d.n.s.) joining of bones believed to take place within 3 days.	Bone fracture	Brahmam & Saxena, 1990

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
274.	<i>Momordica charantia</i> L. (Cucurbitaceae)	Kalara	Santal, Kolha, Bunda, & Bhuian	(Keonjhar) Similipal (Mayur- bhanj)	Leaf & Fruit	Unspecified	Consti- pation, piles, Burning sole, Jau- ndice, Diabetes	Nayak et al., 1998
275.	<i>Monocharia vaginalis</i> (Burm. f.) Prest.ex Kunth.	-	Santal, Kol, Munda, Bhumij & Bathudi	Garden pur (Bhadrak)	Root	Juice drunk 3 times daily.	Diarrhoea	Girach et al., 1996
276.	<i>Morinda tomentosa</i> Heyne ex Roth. [= <i>Morinda pubescens</i> Sm.] (Rubiaceae)	Achhu	Santal, Bhumij, Kol, Munda & Bathudi	Bhadrak (Bhadrak)	Stem Bark	Powder eaten with honey 2 times daily	Menstrual complaints	Girach et al., 1996
		Achhu	Bhumij, Kol, Munda, Santal	Bhadrak (Bhadrak)	Leaf	Warm juice used as eardrop	Earache	Girach et al., 1997
		Achhu	Bhumij, Kol, Munda, Santal	Chunida (Bhadrak)	Stem bark	Decoction given to domestic animals	Intestinal disease	Girach et al., 1998
277.	<i>Morinda tomentosa</i> Hayne ex Roth (Rubiaceae)	Achhu	Munda	Banaigarh (Sundar- garh)	Leaf	Paste applied externally on neck of cattle	Foot cracks	Satapathy & Brahmam, 1996
278.	<i>Moringa oleifera</i> Lamk. (Moringa- ceae)	Chhuin	Oraon, Munda, Bhuiyan, gond, Routia	Bonai, Karmadihi, (Sundar- Dhanuar,garh)	Bark	Crushed and boiled in mustard oil for use as a balm	Acute traumatic pain	Mukherjee & Namhata, 1990
		Sajana	Santal, Kolha, Bunda, & Bhuian	(Keonjhar) Similipal (Mayur- bhanj)	Leaf & Fruit	Unspecified	Lowering BP & Diuretic	Nayak et al., 1998
279.	<i>Mucuna nigricans</i> (Lour.) Steudel (Fabaceae)	Bado baidanko	Gond	Harish- ankar Patther (Bolangir)	Seed	Paste used as a local applicant.	Ulcers of genital organs of both sexes	Brahmam & Saxena, 1990
280.	<i>Mucuna prurita</i> Hook. f. (Fabaceae)	Kundung	Bondo	Muduli- pada (Koraput)	Root	Powder (5gm) given once daily with water	Constip- ation	Aminuddin & Girach, 1991
			Kondh	Rajika- khola Nediguda, Badruguda (Phulbani)	Whole Plant	Unspecified	Wormicide	Dash & Mishra, 1999

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
281.	<i>Mucuna pruriens</i> (L.) D.C. (Fabaceae)	Baid- hanka	Gond	Jareikela (Sundargarh)	Seed	a. Immature seed (4-5) pounded and applied on affected part against honey bee & scorpion bites	Antidote	Satapathy & Brahmam, 1996
				Nuagaon (Sundargarh)	Seed little	b. 2-3 seed powder given with honey for 7 days.	Leuco- rrhoea	
		Bidonka	Bhumij, Kol, Munda, Santal	Tagira (Bhadrak)	Root	Powder boiled with water in earthen pot patient advised to cover the body in a bed sheet and inhale vapour.	Bodyache due to cough & cold	Girach et al., 1997
282.	<i>Mucuna utilis</i> (Wall. ex Wt.) Baker (Fabaceae)	Khursar	Bhunja	Sonabera plateau (Kalahandi)	Seed	Consumed as vegetable after cooking	Vitaminous food	Aminuddin & Girach, 1993
283.	<i>Mucurus nivea</i> ? (Fabaceae)	Krush	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar) Similipal (Mayur- bhanj)	Leaf	Unspecified	Snake bite	Nayak et al., 1998
284.	<i>Mukia made- raspatana</i> (L.) Roem. (Cucur- bitaceae)	Kochi- lakhai	Tanla	Malyagiri (Dhen- kanal)	Leaf, Whole Plant	Crushed and applied locally. Powder sprinkled locally.	Wounds	Brahmam et al., 1996
285.	<i>Muraya koenigii</i> (L.) Spreng (Rutaceae)	Mersinga-		Patrapur (Ganjam)	Leaf	Decoction taken orally.	Dysentery	Mohanty et al., 1996
286.	<i>Muraya paniculata</i> (L.) Jack. (Rutaceae)	Kathna- rangi	Oriya	Harish- ankar (Bolangir)	Leaf & Twig	Children given bath with water, boiled earlier with the plant parts.	Stomach ache	Brahmam & Saxena, 1990
		Katna- rang		Jalma- hadev (Sambalpur)	Twig	Used for hot water bath.	Rheumatism	
		Dhada mahulia	Paudi, Bhuinya	Bonai Hills (Sundargarh)	Leaf	Warm paste applied to knit broken bones treatment repeated every week till result achieved.	Bone fracture	Aminuddin & Girach, 1996
		Konta- kopali	Tanla	Rohila (Dhen- kanal)	Leaf	Decoction of leaves and tender branches (50gm) taken (body pain due to carrying heavy loads).	Body pain	Brahmam et al., 1996
287.	<i>Myrtus communis</i> L. (Myrtaceae)	Bilati mehendi	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar) Similipal (Mayur- bhanj)	Leaf	Unspecified	Cough, Cold & Fever	Nayak et al., 1998
288.	<i>Nelsonia canes- cens</i> (Lamk.) Spreng (Scrophu- lariaceae)	Bador- asana	Oriya	Junadihi (Sambalpur)	Whole Plant	Paste applied locally	Burning foot soles	Brahmam & Saxena, 1990
		Rasna		Budasam- aro pahad (Sambalpur)	Root	With equal quantities of Jaiphal (<i>Myristica fragrans</i> Houtt.) and Ashwagandha [<i>Withania somnifera</i> (L.) Dunal.] ground heated in coconut oil and applied around anus.	Expel worms	

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
289.	<i>Nerium indicum</i> Mill. (Apocynaceae)	Dhoba karbir	Santal, Bhumij, Kol, Munda & Bathudi	Paliabindha (Bhadrak)	Floral bud	Vapours from water boiled with the buds along with buds of China rose (<i>Hibiscus rosasinensis</i> L.) exposed to effected parts for 15-10 min every week.	Leprosy	Girach et al., 1996
290.	<i>Nicotiana tabacum</i> L. (Solana- ceae)	Dhingia	Bhunja	Sonabera plateau (Kala- handi)	Leaf	Ash applied locally.	Bleeding of fresh cuts	Aminuddin & Girach, 1993
291.	<i>Nyctanthes arbo- rtristis</i> L. (Oleaceae)	Gotkh- udika Harsi- ngar Ganga- siuli	Bondo Kondh Santal, Kolha, Bunda, Bathuri & Bhuian	Mudulipada (koraput) Gariapara ghat (Phulbani) (Keonjhar) Similipal (Mayur- bhanj)	Leaf Leaf Leaf	Decoction (one teaspoonful) with honey given twice a day for 3 days. 7 leaves boiled in 2 cups of water till it becomes half. 50ml leaf decoction per dose given twice a day for 3 days. Unspecified	Intrmittent fever Malaria Cough, Cold Fever, Malaria	Aminuddin & Girach, 1991 Girach, 1992 Nayak et al., 1998
292.	<i>Ochna obtusata</i> DC. (Ochnaceae)	Bhuich- ampa	Oriya	Kumari- gaon (Phulbani)	Root	Crushed extract given twice a day for 2 days.	Dysmeno- rrhoea	Sahoo & Mudgal, 1995
293.	<i>Ocimum ameri- canum</i> L. (Lamiaceae)	Bantulsi Bantulsi	Santal, Bhumij, Kol, Munda & Bathudi Santal, Kolha, Bunda, Bathuri & Bhuian	Elkhar (Bhadrak) (Keonjhar), Similipal (Mayur- bhanj)	Seed Leaf	Decoction drunk twice daily. Unspecified	Dysentery Parasitical skin diseases	Girach et al., 1996 Nayak et al., 1998
294.	<i>Ocimum basilicum</i> L. (Lamiaceae)	Bantulsi Basana Tulasi	Kondh Santal, Kolha, Bunda, Bathuri & Bhuian	G. Uda- yagiri (Phulbani) (Keonjhar), Similipal (Mayur- bhanj)	Seed Seed, Leaf	5 gm seeds boiled in one glass of water till it becomes half. Decoction used for wash. Unspecified	Eye infla- mmation Nasal disorder, cold cough, Malaria & Ring worm Cough	Girach, 1992 Nayak et al., 1998 Girach et al., 1998
295.	<i>Ocimum canum</i> Sims. (Lamiaceae)	Bantulsi	Bhumij, Kol, Munda, Santal	Bhadrak (Bhadrak)	Whole Plant	Crushed & mixed with fodder grass given to cattle		
296.	<i>Ocimum gratissi- mum</i> L. (Lamiaceae)	Gaya- tulsi	Santal, Bhumij, Kol, Munda & Bathudi	Paliabi- ndha (Bhadrak)	Leaf	A handful leaves together with fresh leaves of <i>Justicia</i> - <i>adhatoda</i> L. & <i>Vitex negundo</i> L. boiled water vapour inhaled	Malaria fever	Girach et al., 1996

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
297.	<i>Ocimum tenuiflorum</i> L.[= <i>Ocimum sanctum</i> L.] (Lamiaceae)	KrushnaTulesi	Santal, Kolha, Bunda, Bathuri &Bhuian	(Keonjhar) Similipal (Mayur- bhanj)	Root, Leaf, Flower & Stem	Unspecified	Malaria, Cold, Cough, Mosquito repellent, Scorpion and Snake bite, Ear trouble, Gastric trouble	Nayak et al., 1998
298.	<i>Olax scandens</i> Roxb.(Olacaceae)	Chehna	Paudi, Bhuinya	Bonai hills (Sundar- garh)	Leaf	Prescribed as vegetable	Constipation	Aminuddin & Girach, 1996
299.	<i>Oldenlandia corymbosa</i> L. (Rubiaceae)	Ghara- podia	Munda	Lahuni- pada (Sundar- garh)	Whole Plant	Dry powders of plant (10gm) with tuberous roots of Mutha [<i>Cyperus rotundus</i> (L.) Pers.] 10gm boiled in 100ml water, 20ml of this infusion taken orally.	Diarrhoea	Satapathy & Brahmam, 1996
		-	Kondh	Rajika- khola, Nediguda, Badruguda (Phulbani)	Root / Under ground parts	Unspecified	Liver disease	Dash & Mishra, 1999
300.	<i>Oroxylum indicum</i> (L.) Vent. (Bignoniaceae)	Barberi	Saora	(Phulbani)	Bark	Mashed bark applied locally	Scabies	Jain et al., 1973
		Phan- phana	Oraon, Munda, Bhuiyan, Gond, Dhanuar, Routia	Birda (Sundar- garh)	Root Bark	Decoction used (d.n.s.)	Dropsy, Eruptive fever	Mukherjee & Namhata, 1990
		Pham- phana	Oriya	Jalama- hadev (Sambalpur)	Bark	With those of 'Neem' and <i>Entada rheedii</i> ? and leaves of 'Prasaruni' (<i>Paederia foetida</i> L.) mixed in equal quantities, powdered and given (20gm) twice a day for 15 days. Along with it fruit paste of 'Garud' (<i>Rademachera xylo- carpa</i> (Roxb.) K. Schum.) applied on wounds).	Leprosy	Brahmam & Saxena, 1990
		Pha- phuni	Kondh	Belghar (Phulbani)	Stem Bark	With equal quantity of mango bark dried and powdered, 6 gm of powdered drug given twice a day for 2-3 days.	Post- delviery pain	Girach, 1992
		Fana- fania		Kalinga, Gocha- pada (Phulbani)	Bark Bark	Ash prepared by burning the bark in Lotus leaf container and covering with clay, taken along with honey. Root bark powder fermented in an air tight vessel for one month, sieve filtered and liquid filtrate	Chronic diarrhoea Blood dysentery	Mohanty et al., 1996 Mohanty et al., 1996

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
		Phana- phania	Munda	Jareikela (Sundar- garh)	Bark	taken with honey or sugar candy thrice a day for 3 days. Decoction (10ml) with little butter given once daily at night for 3 days	Polyuria	Satapathy & Brahmam, 1996
		Pheno- phena	Tanla	Rohila (Dhen- kanal)	Bark	Mixed with honey & taken regularly.	Vitality	Brahmam et al., 1996
301.	<i>Orthosiphon rubi- cundus</i> (D.Don) Benth.(Lamiaceae)	Bhui- mendar	Kondh	Junadihi (Sam- balpur)	Root	With these of 'Sweta madar' [white flowered <i>Calotropis gigantea</i> (L) R. Br.] <i>Croton roxburghii</i> Balak, <i>Zingiber montanum</i> and <i>Tectaria cicu- taria</i> (L.)Copel. taken in equal quantities, powdered and given with cow's milk to women, 10gm twice a day for 7 days after menstruation.	Conception induction	Brahmam & Saxena, 1990
				Jalma- hadev (Samba- lpur)	Root	With roots of <i>Smilax ovalifolia</i> ? <i>Cissampelos pareira</i> L. and few black pepper berries made into paste and given 10 gm twice a day for 3-4 days.	Allay Body head; Check haemorrhage in urine.	
302.	<i>Oxalis corniculata</i> L. (Oxalidaceae)	Ambiliti-		Malagudari, Phulbani (Phulbani)	Leaf	Raw juice taken twice a day for 3 days.	Chronic dysentery Diarrhoea	Mohanty et al., 1996
		Ambiliti	Oraon	Sundargarh (Sundar- garh)	Leaf	Juice mixed with onion juice (1:1) applied locally	Warts	Satapathy & Brahmam, 1996
		Usapl- ang	Lanjia, Saora	(Koraput)	Leaf	Infusion as eye drops.	Itching of eyelids	Malik, 1996
303.	<i>Paederia foetida</i> L. (Rubiaceae)	Pasaruni	Kondh	Baliguda (Phulbani)	Leaf	10-15 leaves cooked in cow ghee given once at bed time	Sleep induction	Girach, 1992
304.	<i>Paederia scandens</i> (Lour) Merr. (Rubiaceae)	Pasaruni, Gandhi	Oriya, Gond	Lephripara (Sundar- garh)	Leaf, Leach-or ate	10ml taken with a little jaggery or honey	Stomach disorder, colic pain, diarrhoea, indigestion, lumbago.	Satapathy & Brahmam, 1996
		Pasaruni	Bhumij, Kol, Munda, Santal	Tillo (Bhadrak)	Root	Chopped root mixed with cattle fedd given to cow	Intestinal disease	Girach et al., 1998
305.	<i>Pandanus fasci- cularis</i> Lamk. (Pandanaeae)	Kiya	Bhumij, Kol, Munda, Santal	Palia (Bhadrak)	Leaf base	Mixed with salt and eaten	Cough	Girach et al., 1997
306.	<i>Passiflora foeitida</i> L.(Passifloraceae)	Koinch- ikukuda	Tanla	Malyagiri (Dhen- kanal)	Fruit	4-5 nos. ground and given in a single dose.	Stomach- ache	Brahmam et al., 1996

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vernacular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
307.	<i>Pavetta indica</i> L. (Rubiaceae)	Kukur-chalva	Bhumij, Kol, Munda, Santal	Singuda (Bhadrak)	Leaf	Warm paste applied on boils to remove puls.	Boils	Girach et al., 1997
		-	Kondh	Rajikakhola, Nediguda, Badruguda (Phulbani)	Leaf	Unspecified	Skin diseases	Dash & Mishra, 1999
308.	<i>Pavonia odorata</i> Willd. (Malvaceae)	Kurumuli	-	Chikiti (Ganjam)	Leaf	Two teaspoonful juice with black peppers taken orally twice a day in empty stomach by babies.	Dysentery	Mohanty et al., 1996
309	<i>Pentanema indicum</i> (L.) Ling. (Asteraceae)	Rasnajadi	Bhunja	Sonabera plateau (Kalahandi)	Root	a. Crushed & given with fodder to cow b. paste applied on wounds to expel worms	Indigestion Wound	Aminuddin & Girach, 1993
310.	<i>Perguleria daemia</i> (Forsk.) Chiov. (Asclepiadaceae)	Utrudi	Bumij, Kol, Munda, Santal	Jalmundua (Bhadrak)	Latex	Mixed with a pinch of salt used as eye wash for domestic cattle	Eye complaints	Girach et al., 1998
		Utrudi	Kondh	Rajikakhola, Nediguda, Badruguda (Phulbani)	Leaf Whole Plant	Crushed and mixed with cattle feed given to milching cattle Unspecified	Increase milk yield Toothache	Dash & Mishra, 1999
311.	<i>Phoenix asperulatus</i> Hutch. (Arecaceae)	Khajuri	-	Patrapur (Ganjam)	Sap	Fresh extract taken before sunrise	Diarrhoea	Mohanty et al., 1996
312.	<i>Emblica officinalis</i> Gaertn. [= <i>Phyllanthus emblica</i> L.] (Euphorbiaceae)	Aaola	Bhunja	Sonabera plateau (Kalahandi)	Leaf	Two teaspoonful juice take twice a day.	Diarrhoea & Gastric pain	Aminuddin & Girach, 1993
		Anla	Oriya, Kondh	Jhirpani (Phulbani)	Seed	Powder of dry seed taken twice a day for a week.	Leucorrhoea	Sahoo & Mudgal, 1995
313.	<i>Phyllanthus fraternus</i> Webster (Euphorbiaceae)	Bhuiaola	Kondh	Khajuripada (Phulbani)	Fruit	With root of 'Kurai' (<i>Holarrhena pubescens</i> wall. ex G. Don.) and leaves of 'Bhuinim' taken in equal quantities, powdered and made into pea size tablets. One tablet given every night with cow milk for 17 days.	Insomnia	Girach, 1992
		Bhui-anola	-	Dengaosta (Phulbani)	Root	Paste administered to children (below 2 years) twice a day for 3 days.	Diarrhoea	Mohanty et al., 1996
		Bhuia-nola	Kondh	Rajikakhola, Nediguda, Badruguda (Phulbani)	Whole Plant	Unspecified	Jaundice & Liver disease	Dash & Mishra, 1999

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
314.	<i>Piper longum</i> L. (Piperaceae)	Pipal	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar), Similipal (Mayur- bhanj)	Root, leaf, fruit	Unspecified	Piles, Cough Cold, Sound sleep, Hair deve- lopment	Nayak et al., 1998
315.	<i>Plesmonium margaritifera</i> (Roxb.) Schott (Araceae)	Dheu	Kondh	Harisha- nkar (Bolangir)	Tuber	Paste applied locally	Snake bites	Brahmam & Saxena, 1990
316.	<i>Plumbago indica</i> L. (Plumbagina- ceae)	Nali- chitrak	Santal, Bhumij, Kol, Munda & Bathudi	Singuda (Bhadrak)	Root	a. Paste applied locally b. 3-5 cm piece tied as amulet on the wrist	Hydrocele Fever & Pain	Girach et al., 1996
		Nalichi- trak	Bumij, Kol, Munda, Santal	Singuda (Bhadrak)	Root	Paste applied locally	Boils	Girach et al., 1997
317.	<i>Plumbago rosea</i> L. (Plumbagina- ceae)	Rakta- chita	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar), Similipal (Mayur- bhanj)	Root	Unspecified	Hair growth, Antifer- tility	Nayak et al., 1998
318.	<i>Plumbago zeyla- nica</i> L. (Plumba- ginaceae)	Chita- pari, Sitapari Chin- tamula	Soara, Kondh Oriya	Panigunda (Ganjam)	Root	a) Decoction used internally. b) Used as abortifaciant Paste (10gm) in cow's milk given for 7 days.	Appetite promotion Abortion Conception prevention	Jain et al., 1973 Brahmam & Saxena, 1990
		Chitrak	Santal, Bhumij, Kol, Munda & Bathudi	Baljitpada (Bhadrak)	Root	Powder given once daily to pregnant women for 7 days.	Delayed Labour	Girach et al., 1996
		Bana- ganji, Dhola- chita	Tanla	Rohila (Dhen- kanal) Malyagiri (Dhen- kanal)	Whole Plant	50gm boiled in 200ml of water and be taken twice daily.blindness	Night	Brahmam et al., 1996
					Root	Paste applied locally	Bear bites	
		Rakta- chita	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar), Similipal (Mayur- bhanj)	Root	Unspecified	Hair growth, Antife- rtility	Nayak et al., 1998
		-	Kondh	Rajika- khola,Ne- diguda, Badruguda (Phulbani)	Leaf	Unspecified	Snakebite	Dash & Mishra, 1999

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
319.	<i>Pogostemon benghalensis</i> (Burm. f.) Kuntz. (Lamiaceae)	Pukas-unga	Oriya	Harishan- kar (Bolangir)	Plant	Paste (10gm) given orally	Body pain	Brahmam & Saxena, 1990
		Badaga- ndhuri	Paudi, Bhuinya	Bonai Hills (Sundar- garh)	Root	Paste applied on body of children	Fever	Aminuddin & Girach, 1996
320.	<i>Polycarpea aurea</i> Wight. & Arn. (Caryophyllaceae)	Pakhu- nokhuro	Kondh	Harishan- kar, Patthar (Bolangir)	Plant	With Cassia fistula L. flowers and leaves smoke as cigarettes for 21 days by dub people.	Brahmam & Saxena, 1990	stammering
321.	<i>Polycarpaea corymbosa</i> (L.) Lamk. (Caryo- phyllaceae)	-	Kondh	Rajika- khola, Nediguda, Badruguda (Phulbani)	Leaf	Unspecified	Boils, Inflam- matory swellings	Dash & Mishra, 1999
322.	<i>Polygala arvensis?</i> (Polygalaceae)	-	Kondh	Rajika- khola, Nediguda, Badruguda (Phulbani)	Root / Under ground parts	Unspecified	Fever	Dash & Mishra, 1999
323.	<i>Millettia pinnata</i> (L.) Pierre. [=Pongamia pinnata (L.) Pierre.](Fabaceae)	Karanja	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar) Similipal (Mayur- bhanj)	Bark, Seed	Unspecified	Bronchitis, Whooping cough, Painful and Rheumatic joints	Nayak et al., 1998
		-	Kondh	Rajika- khola, Nediguda, Badruguda (Phulbani)	Whole Plant	Unspecified	Tooth ache	Dash & Mishra, 1999
					Seed	Unspecified	Rheuma- tism	-
324.	<i>Protium serratum</i> (Wall. ex Colebr.) Engl. (Burseraceae)	Murmur	Lanjia	(Koraput)	Bark	Unspecified	Chest pain	Malik, 1998
325.	<i>Psidium guava</i> L. (Myrtaceae)	Paheda	Bhumij, Kol, Munda, Santal	Singuda (Bhadrak)	Leaf	Tender leaves pounded together with <i>Zingiber officinale</i> Rose. & made into pea size pills. One pill with honey taken every morning with a glass of water (kept over night)	Bleeding pile	Girach et al., 1997
		Pijuli	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar), Similipal (Mayur- bhanj)	Root, Leaf	Unspecified	Abdominal pain, Diarrhoea & Vomiting	Nayak et al., 1998
326.	<i>Psychotria adeno- phylla</i> Wall. (Rubiaceae)	Guruba	-	Rohila (Dhen- kanal)	Fruit	Ripen fruits 10-15 nos. given twice a day for 3 days	Healing of wounds due to bear bite.	Brahmam et al., 1996
327.	<i>Pterocarpus mar- supium</i> Roxb. (Fabaceae)	Bija, Piasal	Oraon, Munda, Bhuian,	Fuldhuri, Koira (Sundar-	Leaf Bark	Crushed and applied Decoction prescribed (d.n.s.)	Diabetes	Mukherjee & Namhata,

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
				gond, garh) Dhanuar, Routia				1990
328.	<i>Pterospermum acerifolium</i> Willd. (Sterculiaceae)	Kanaka champa	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar, Similipal, (Mayur-bhanj))	Flower	Unspecified	Ulcers, Tumours Leprosy	Nayak et al., 1998
329.	<i>Pterospermum xylocarpum</i> (Gaertn.) Sant & Wagh (Sterculiaceae)	Mach-kund	Oriya	Harishankar patthar (Bolangir)	Bark & Leaf	Decoction of bark (10mg), leaves (5mg) and a few black pepper berries given	Asthma	Brahmam & Saxena, 1990
				Kapildhara Jalmahadev (Sambalpur)	Flower	With Cinnamon bark paste applied on forehead	Headache	
					Flower Paste (10mg) daily for 3 days & Root		Menstrual disorder	
		Much-kund	Santal, Bhumij, Kol, Munda & Bathudi	Paliabindha (Bhadrak)	Flower Stem bark	Powder eaten (specially in children) Decoction drunk once daily.	Abdominal disorder Menorrhagia	Girach et al., 1996
330.	<i>Punica granatum</i> L. (Punicaceae)	Dalimba		Digapahandi (Ganjam)	Leaf bud or fruit	Paste along with rice washed water administrated orally along with a minute pinch of opium . half cup taken twice a day.	Diarrhoea	Mohanty et al., 1996
331.	<i>Radermachera xylocarpa</i> (Roxb.) Schum. (Bignoniaceae)	Akash-garud	Kondh	Harishankar Patthar (Bolangir)	Seed	Powder inhaled. (it is believed that snakes don't go near this tree)	Snake bite	Brahmam & Saxena, 1990
		Garud	Oriya	Junadihi (Sambalpur)	Root	Paste applied locally & also given orally in snake bite, cat bite and mad dog bites.	Antidote	
332.	<i>Rauwolfia serpentina</i> (L.) Kurz. (Apocynaceae)	Patalga-ruda	Kondh	Gariapara Ghat (Phulbani)	Fruit	With Pippali and Sunthi in equal quantities powdered 3 gm powder per dose given thrice a day for 3-4 days.	Menstrual irregularities	Girach, 1992
		Patalga-ruda	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar, Similipal, (Mayur-bhanj))	Root	Unspecified	Antidote to snake bite	Nayak et al., 1998
333.	<i>Remusatia vivifera</i> (Roxb.) Schott (Araceae)	Bacchanabhi	Kondh	Patthar, Guptamahadev (Bolangir)	Corm	With equal quantities of root of <i>Leucas</i> sp., <i>Solanum surattense</i> Burm. f., <i>Castor</i> plant and Turmeric made into paste and applied warm locally.	Piles	Brahmam & Saxena, 1990
		Teliakand	Oriya	Nursinghanath, Patthar (Bolangir)	Corm	With equal quantities of <i>Blechum orientale</i> L. used to prepare massage oil	Rheumatism	
				Harishankar (Bolangir)	Corm	Paste in castor oil applied on swollen rheumatic joints.	Rheumatism	

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
334.	<i>Ricinus communis</i> L. (Euphorbiaceae)	Joda	Kisan	Baragaon (Sundargarh)	Seed, Kemels	5-6 nos. given once in a week for 3 consecutive weeks.	Constipation	Satapathy & Brahman, 1996
335.	<i>Rubia cordifolia</i> L. (Rubiaceae)	Rang- cher	Bondo	Mudulip- ada (Koraput)	Root	a) 5cm piece worn as amulet b) Juice used as nasal drops to keep off evil spirits.	Headache Evil spirits	Aminuddin & Girach, 1991
336.	<i>Saccharum spontaneum</i> L. (Poaceae)	Kuiso	Kondh	G. Uda- yagiri (Phulbani)	Root	Paste from whole root of a plant with 21 black peppers with required quantity of water applied locally	Hydrocele	Girach, 1992
337.	<i>Sapindus trifoliatu</i> L. [= <i>Sapindus emarginatus</i> Vahl.] (Sapindaceae)	-	Kondh	Rajak- akhola, Nediguda & Badru- guda (Phulbani)	Seed/ Fruit	Unspecified	Pain	Dash & Mishra, 1999
338.	<i>Schefflera venulosa</i> (Wight & Arn.) Harms (Araliaceae)	Surungo	Kondh	Harisha- nkar, Patthar (Bolangir) Dolijharan Twig (Sambalpur)	Bark, Leaf	Paste applied hot on affected part	Swellings	Brahman & Saxena, 1990
339.	<i>Schleichera oleosa</i> (Lour.) Oken. (Sapindaceae)	Bangdru Saora	Lanjia, Tanla	Rohila (Dhen- kanal)	Bark Fruit	Boiled in water and the resultant water bath is undertaken. Boiled in water and given orally	Rheuma- tism Malaria	Malik, 1996
340.	<i>Scindapsus officinalis</i> (Roxb.) Schort. (Araceae)	-	Bhumij, Kol, Munda, Santal	Gardanpur (Bhadrak)	Fruit	Powder mixed with edible oil applied locally to expel warts in cattle.	Wound	Girach et al., 1998
		Kuan- kadali	Tanla	Malyagiri (Dhen- kanal)	Fruit	a) Grinded and given to cattle for 'Bento disease' (throat swelling, turning red inside and unable to swallow anything including water). b) With peppers prescribed to human beings	Bengo disease Throat infection	Brahman et al., 1996
341.	<i>Scripus articulatus</i> L. (Cyperaceae)	Gaichira	Bhumij, Kol, Munda, Santal	Sasang (Bhadrak)	Whole Plant	Prescribed as cattle feed for milching cattle	Increase lactation	Girach et al., 1998
342.	<i>Scleria terrestris</i> (L.) Fassett . (Cyperaceae)	Churia, Jhurian	Kondh	Andharipur (Sambal- pur), Harisha- nkar (Bolangir) Jalmaha- dev (Sam- balpur)	Root	Paste (15gm) with sugar candy taken orally.	Body heat allay	Brahman & Saxena, 1990
					Rhi- zome	Past (15-20) given once daily for 3 days.	Spermato- rrhoea	

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
343.	<i>Scoparia dulcis</i> L. (Scrophulariaceae)	Chirarita	Kondh	Watijharan (Sambalpur)	Whole Plant	Paste applied on fore head.	Headache	Brahmam & Saxena, 1990
		Banaganjei, Saruk- ucha	Oriya, Kondh	Mandakia (Phulbani)	Aerial Part	Crushed and aqueous extract given twice a day for 5 days.	Spermatorrhoea	Sahoo & Mudgal, 1995
		Methi	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar, Similpal, (Mayurbhanj))	Whole Plant	Unspecified	Epirhasis	Nayak et al., 1998
344.	<i>Scurrula parasitica</i> L. (Loranthaceae)	Dhatki madang	Kondh	Junadihi (Sambalpur)	Whole Plant	Paste (10-15gm) with sugar candy given to women after 3 months of pregnancy for 15-20 days.	Longing for Male child	Brahmam & Saxena 1990
345.	<i>Sebastiana chamaelea</i> (L.) Mull. Arg. (Euphorbiaceae)	Anjiray	Lanjia, Saora	(Koraput)	Bark	Boiled in water used locally.	Syphilis	Malik, 1996
346.	<i>Semecarpus abacarduyi</i> ? (Anacardiaceae)	Balava	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar, Smilipal, (Mayurbhanj))	Seed	Unspecified	Wound & Heart disease	Nayak et al., 1998
347.	<i>Semecarpus anacardium</i> L.f. (Anacardiaceae)	Bhalia	Kondh	Dhulsi (Phulbani)	Root	Dry powder (10mg) boiled in 200ml water till it becomes half. 100ml decoction given once every morning for 5 days.	Eczema	Girach, 1992
		Bhalua	Bhunja	Sonabera Plateau (Kalahandi)	Seed	Seed oil employed as lubricant and applied externally	Cuts / Sprains	Aminuddin & Girach, 1993
			Kondh	Rajakakhola, Nediguda & Badruguda (Phulbani)	Seed / Fruit	Unspecified	Foot and mouth disease in cattle	Dash & Mishra, 1999
348.	<i>Sesamum indicum</i> L. [= <i>Sesamum orientale</i> L.] (Pedaliaceae)	Rasi	Munda	Nuagaon (Sundargarh)	Seed	5gm seeds along with seeds of <i>Tribullus terrestris</i> (1:1) boiled in 150ml goat milks & given with honey to males.	Induction of sexual vigour	Satapathy & rahmam, 1996
349.	<i>Shorea robusta</i> Gaertn. f. (Dipterocarpaceae)	Sal	Kondh	Kotagarh (Phulbani)	Stem Bark	Locally application	Healing of cut wounds	Girach, 1992
		Sal	Bhunja	Sonabera Plateau (Kalahandi)	Twig Resin	Used as tooth brush Applied locally	Dental protection & Itch	Aminuddin & Girach, 1993
		Sal	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar, Similpal, (Mayurbhanj))	Resin	Unspecified	Chest pain	Nayak et al., 1998

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
350.	<i>Sida cordata</i> (Burm.f.) Borss. (Malvaceae)	Biskha- puri, Punga- chita Biscapi	Oriya, Kondh	Jamugurha, Belghar (Phulbani)	Root	With those of <i>Celastrus panicu- latus</i> Willd. (2:1) pounded together, taken twice a day for one month	Amenorr- hoea	Sahoo & Mudgal, 1995
			Tanla	Rohila (Dhen- kanal)	Leaf	Paste applied locally.	Wound of bear attack	Brahmam et al., 1996
351.	<i>Sida cordifolia</i> L. (Malvaceae)	Panga- sirea -	Saora Kondh	(Phulbani)	Leaf & Root	Mashed and applied locally to ripen and open them	Boils	Jain et al., 1973
				Rajika- khola, Ne- diguda & Badruguda (Phulbani)	Whole Plant	Unspecified	Swelling / Fracture	Dash & Mishra, 1999
352.	<i>Sida rhombifolia</i> L. (Malvaceae)	Bajra- muli	Bondo	Khema- guru (Koraput)	Leaf	Crushed and applied locally	Cuts & Wound	Aminuddin & Girach, 1991
		Chitiki	Kondh	Khajuri- pada (Phulbani)	Fruit	Paste applied on forehead	Headache	Girach, 1992
		Chitki	Bhunja	Sonabera Plateau (Kala- handi)	Twig	Used as toothbrush.	Strengthen gum	Aminuddin & Girach, 1993
		-	Kondh	Rajika- khola, Nediguda, Badruguda parts (Phulabani)	Root / Under ground	Unspecified	Bile trouble in children	Dash & Mishra, 1999
353.	<i>Smilax wightii</i> DC. (Smilacaceae)	Ramda- tun	Bhunja	Sonabera Plateau (Kala- handi)	Stem	Used as toothbrush also to produce fire by friction)	Dental care	Aminuddin & Girach, 1993
354.	<i>Smilax zeylanica</i> L. (Smilacaceae)	Mumb- arai	Bondo	Mudulip- ada (Koraput)	Twig	Used as toothbrush.	Dental care	Aminuddin & Girach, 1991
355.	<i>Solanum indicum</i> L. (Solanaceae)	Titguna	Kondh	Belghar (Phulbani)	Fruit	3-5 gm powder pulp given once at bed time	Expel worms	Girach, 1992
356.	<i>Solanum nigrum</i> L.- (Solanaceae)	-	Kondh	Rajika- khola, Ne- diguda, Badruguda (Phulabani)	Leaf	Unspecified	Constipa- tion	Dash & Mishra, 1999
357.	<i>Solanum surattense</i> Bheri Burm. f. (Solana- ceae)		Bhunja	Sonabera plateau (Kala- handi)	Fruit	Pulp paste applied locally	Skin infection	Aminuddin & Girach, 1993
		Akranti	Bhumij, Kol, Munda, Santal	Bhadrak (Bhadrak)	Fruit	Powder boiled in mustard oil and cooled applied on foot during winter	Skin eruptions	Girach et al., 1997
		-	Kondh	Rajika- khola, Nediguda,	Seed / Fruit	Unspecified	Toothache	Dash & Mishra, 1999

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
358.	<i>Solanum trilobatum</i> L. (Solanaceae)	Bheji-bengan	Santal, Bhumij, Kol, Munda & Bathudi	Badruguda (Phulabani) (Bhadrak)	Root	Decoction given twice daily to children (5-8 years)	Whooping cough	Girach et al., 1996
359.	<i>Solanum torvum</i> Swartz (Solanaceae)	Pagoka, Saora Nuludioti		Simulbari, Phulabani (Phulbani)	Root	Mashed in tamarind water and given orally.	Antidote to poisoning	Jain et al., 1973
360.	<i>Solanum viarum</i> Dunab. (Solanaceae)	Denga-bheji	-	Kalinga (Phulbani)	Leaf, Root	Juice taken orally twice a day for 3 days.	Dysentery	Mohanty et al., 1996
361.	<i>Solanum virginianum</i> L. (Solanaceae)	Ankra-nti, Bijibigano	Tanla	Ektali (Dhenkanal)	Seed	Pounded and smoked usually by wrapping in Sal (<i>Shorea robusta</i> Gaertn. f.) leaves.	Toothache	Brahmam et al., 1996
362.	<i>Solanum surattense</i> Burm. f. [= <i>Solanum xanthocarpum</i> Sch. & Wendl.] (Solanaceae)	Akranti	Kondh	Khajuripada (Phulbani)	Fruit	Pulp placed in dental cavity.	Toothache	Girach, 1992
363.	<i>Soyimida febrifuga</i> A. Juss. (Meliaceae)	Trum-oing	Lanjia	(Koraput)	Bark	Boiled with other herbs & applied over displaced bone	Bone setting	Malik, 1998
364.	<i>Spermadictyon suaveolens</i> Roxb. (Rubiaceae)	Sunis	Lanjia	(Koraput)	Bark	Powder applied locally.	Wound	Malik, 1996
365.	<i>Sphaeranthus indicus</i> L. (Asteraceae)	Koirab	Bondo	Mudulipada (Koraput)	Seedling	Used as vegetable	Vitaminous food	Aminuddin & Girach, 1991
366.	<i>Spondias pinnata</i> (L.f.) Kurz. (Anacardiaceae)	Guddari	Kondh	Phulbani (Phulbani)	Root	Dried root powdered with 5 black pepper berries. 3 gm per dose given twice a day for 3 days	Blood dysentery	Girach, 1992
367.	<i>Stephania japonica</i> (Thunb) Miers. (Menispermaceae)	Ambada –		Taptapani (Ganjam)	Bark	Paste administered orally twice daily	Dysentery	Mohanty et al., 1996
367.	<i>Stephania japonica</i> (Thunb) Miers. (Menispermaceae)	Akalandi	Santal, Bhumij, Kol, Munda & Bathudi	Tagira (Bhadrak)	Leaf	Crushed leaves applied to fish sting	Antidote	Girach et al., 1996
		Akalandi	Bhumij, Kol, Munda, Santal	Tagira (Bhadrak)	Leaf	Juice applied on forehead	Headache	Girach et al., 1997

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
368.	<i>Sterculia urens</i> Roxb. (Sterculiaceae)	Girungila, Girdhini	Oraon, Munda	Sarafgarh, Vedvyas (Sundargarh)	Gum	Given with sugar candy.	Diarrhoe & Dyspepsia	Mukherjee & Mamhata, 1990
369.	<i>Strebulus asper</i> Lour. (Moraceae)	Sahada	Oriya	Takalmendi, Pasora (Phulabani)	Stem, Bark	With root bark of <i>Holarrhena antidysenterica</i> (L.) Wall. ex DC, 2:1 crushed together and aqueous extract thus obtained given twice a day for one month.	Leucorrhoea	Sahoo & Mudgal, 1995
		Sahada	Kisan	Gurudia (Sundargarh)	Leaf	Dried with goat dung ash (1:1) powdered, mixed with castor oil and applied locally.	Eczema & Ringworm	Satapathy & Brahman, 1996
					Seed	Pounded in cow urine and applied locally	Leucoderma	Mohanty et al., 1996
370.	<i>Strychnos nuxvomica</i> L. (Loganiaceae)	Kochila -		Digapahandi (Ganjam)	Bark	a. macerated with lemon juice made into pills taken orally.	Acute diarrhoea	Malik, 1996
		Khara Saora	Lanjia, Saora	(Koraput)	Bark	b. mixed with Neem bark given orally.	Dysentery	Malik, 1996
		Pitaphal, Kochila	Kisan, Oriya	Baragaon (Sundargarh)	Leaf	Soft young leaves used for fomentation of joints.	Arthritis & Rheumatism	Satapathy & Brahman, 1996
		-	Kondh	Rajikakhola, Nediguda, Badruguda (Phulabani)	Seed / Fruit	Unspecified	Piles	Dash & Mishra, 1999
371.	<i>Symplocos racemosa</i> Wt. (Symplocaceae)	Ludho	Oraon, Munda, Bhuiyan, Gond, Dhanuar, Routia	Gopalpur, Nuamundi, Leachate (Sundargarh)	Bark	Sieved and locally used as drops.	Conjunctivitis	Mukherjee & Mamhata, 1990
		Nudho	Tanla	Malyagiri (Dhenkanal)	Bark	A pinch of powder used in soft drinks	Dysentery & Bowel complaints	Brahman et al., 1996
372.	<i>Symphorema polyandrum</i> Wight. ang (Symphoremataceae)	Badichang	Oriya	Guptamahadev (Sambalpur)	Seed	Powdered with black peppers and snuffed	Snake bite	Brhman & Saxena, 1990
				Harishankar (Bolangiri)	Root	Powder snuffed and paste applied on forehead	Snake bite	
				Nrusinghanath (Bolangir)	Root, Seed	Root (10gm) and seeds (7 Nos.) made into paste with 7 black pepper berries and given in one dose for snake bite, cat bite, made dog bite and mosquito bite.	Antidote for poisoning	

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
373.	<i>Syzygium cumini</i> (L.) Skeels (Myrtaceae)	Jamp- attar	Bhunja	Sonabera plateau (Kalahandi)	Leaf	Paste applied on forehead.	Eye redness	Aminuddin & Girach, 1993
		Jamu	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar) Similpal (Mayurbhanj)	Leaf, stem, seed	Unspecified	Diabetes, Diarrhoea, Cold, Toothache, Bleeding gums	Nayak et al., 1998
		-	Kondh	Rajakhol, Nediguda, Badruguda (Phulabani)	Bark	Unspecified	Food poisoning, Snake bite	Dash & Mishra, 1999
374.	<i>Syzygium heyneanum</i> (Duthie) Gamble (Myrtaceae)	Turijamun	Paudi, Bhuinya	Bonai Hills (Sundargarh)	Twig	Used as toothbrush	Dental care	Aminuddin & Girach, 1996
375.	<i>Syzygium operculatum</i> (Roxb.) Nied (Myrtaceae)	Paijamun	Paudi, Bhuinya	Bonai Hills (Sundargarh)	Stem, Bark	Decoction prescribed to wash wounds as an antiseptic	Antiseptic	Aminuddin & Girach, 1996
376.	<i>Tadehaqi triquetrum</i> (L.) Ohashe (Fabaceae)	Dhuaj-abhang	Kondh	Phulabani (Phulbani)	Root	Paste applied on penis	Strengthening of Potency from weak sex	Girach, 1992
377.	<i>Tagetes erecta</i> L. (Asteraceae)	Gendu	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar) Similpal (Mayurbhanj)	Leaf	Unspecified	Cold, Bronchitis, Kidney trouble, Eye disease	Nayak et al., 1998
378.	<i>Tamarindus indica</i> L. (Caesalpiniaceae)	Tentuli	Kondh	G. Udayagiri (Phulbani)	Leaf	Decoction (100ml) with misri given twice a day	Bodyache	Girach, 1992
		Tentuli	-	Patrapur (Ganjam)	Leaf	Tender leaf paste taken directly.	Dysentery	Mohanty et al, 1996
					Flower	Dried flower powder taken orally with sugar.	Blood dysentery	
		Koinya	Bhumij, Kol, Munda, Santal	Gopalma-hadev (Bhadrak)	Twig	Used as toothbrush to remove bad breath.	Dental care	Girach et al., 1997
		-	Kondh	Rajakhol, Nediguda, Badruguda (Phulabani)	Whole Plant	Unspecified	Injuries	Dash & Mishra, 1999
379.	<i>Tectaria cicutaria</i> (L.) Copel. (?)	Raktamahajal	Oriya	Harishankar Patthar	Rhizome	Rhizome (10gm) and 7 black peppers made into paste I cow's milk and given once daily.	Tonic, Blood purifier & Blood	Brahmam & Saxena, 1990

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference	
				Nursin- ghanath, Patthar (Bolangir)	Rhi- zome	paste (10gm) with that of <i>Zingiber montanu</i> and root of <i>Croton roxburghii</i> Balak in equal quantities made into paste given .	dysentery Menstrual trouble		
380.	<i>Tectona grandis</i> L.f. (Verbenaceae)	Shaguan	Santal, Kolha, Bunda, (Mayur- Bathuri & Bhuian	(Keonjhar) Similpal (Mayur- bhanj)	Wood	Guptama- hadev (Sam- balpur) (Keonjhar) Unspecified	Rhi- zome Powder (15gm), roots of <i>Cissampelos pereira</i> and <i>Smilax ovalifolia</i> in equal proportions given to women.	Leucor- rhoea & Body heat Headache	Nayak et al., 1998
381.	<i>Tephrosia purpurea</i> (L.) Pers. (Fabaceae)	Aurda- ida, Pang- hapairi Peng- alpar	Saora, Kondh	Ldrimi (Ganjam)	Root	a) Paste applied on belly b) Chewed	Dyspepsia Colic pain	Jain et al., 1973	
		Badak- ulthia	Tanla	Malayagiri (Dhen- kanal)	Root	About 10cm root crushed, juice given in a single dose (double dose believed to have laxative effect)	Dyspepsia	Brahmam et al., 1996	
		-	Kondh	Rajaika- khola, Nediguda, Badruguda (Phulabani)	Leaf Seed/ Fruits	Paste ground with turmeric (1:1) Boil applied locally Unspecified	Toothache	Dash & Mishra, 1999	
382.	<i>Terminalia arjuna</i> (DC) Wt. & Arn. (Combretaceae)	Arjuna	Oriya	Banaigarh (Sundar- garh)	Bark	Decoction(10ml) given with cow's milk twice a day	Chest pain & Heart palpitatio	Satapathy & Brah- mam, 1996	
		Arjuna	Bhumij, Kol, Munda, Santal	Kurkura (Bhadrak)	Stem & Bark	Infusion used to cleanse infected wounds of farm animals	Disinfe- ctant	Girach et al., 1998	
383.	<i>Terminalia bellerica</i> (Gaertn.) Roxb. (Combretaceae)	Bahada	-	Bhanja- nagar (Ganjam)	Fruit	Powder prepared by burning the fruit, taken with rock salt.	Diarrhoea	Mohanty et al., 1996	
		-	Kondh	Rajika- khola, Nediguda, Badruguda (Phulbani)	Seeds/ Fruits	Unspecified	Cold, constipation & Acidity	Dash & Mishra, & 1999	
384.	<i>Terminalia chebula</i> Retz. (Combre- taceae)	Harada	Kondh	Dhulsi (Phula- bani)	Stem & Bark	Decoction used to wash wounds.	Disinfe- ctant	Girach, 1992	
		Harida	-	Tumudi- bandha,	Peri- carp	Paste taken along with curd.	Diarrhoea	Mohanty et al, 1996	

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
				Tikabali				
			Santal, Kolha, Bunda, Bathuri & Bhuiyan	(Keonjhar), Similpal (Mayur bhanj)	Fruit	Unspecified	Teeth bleeding, Skin disease	Nayak et al., 1998
385.	<i>Themeda triandra</i> Forssk. (Poaceae)	Tondi- ghaso, Sialna- ngudi	Tanla	Kuludi (Dhen- kanal) Leaf	Inflorescence	Burnt and ash obtained applied twice a day for 4-5 days.	Wounds from bear attack/bite	Brahmam, et al., 1996
386.	<i>Thespesia lampas</i> (Cav.) Dalz. (Malvaceae)	Badki- thoka	Bhunja	Sonabera plateau (Kala- handi)	Twig	Paste applied on fresh wounds. Used as tooth brush to remove bad breath	Dental care	Aminuddin & Girach, 1993
387.	<i>Thespesia populnea</i> (L.) Sol. ex Corren. (Malvaceae)	Utal- kamal	Santal, Bhumij, Kol, Munda & Bathudi	Basantia (Bhadrak)	Root Twig	Powder (5gm) given twice a day with a pinch of salt. Paste applied locally. Used as tooth brush	Boils Dental Care	Girach et al., 1996
388.	<i>Tinospora cordifolia</i> (Willd.) Hook f. (Menispermaceae)	Guluchi	Oriya	Dudsi Belghar (Phulabani)	Whole Plant	Aqueous extract given once a day with honey for a week.	Sperma- torrhoea	Sahoo & Mudgal, 1995
389.	<i>Trichosanthes bracteata</i> (Lam.) Voigt. (Cucurbitaceae)	Maha- kal	Munda	Rajgangpur (Sundar- garh)	Fruit pulp	(10gm) dried fruit pulp boiled in 20ml of sesam oil used as ear drop	Ear infection	Satapathy & Brahmam, 1996
390.	<i>Trichosanthes cucumerina</i> L. (Cucurbitaceae)	Banp- otal	Oriya	Patthar (Bolangir)	Root	With that 'Tejraj' (<i>Cyanoglossum glochidiatum</i> Wall. ex Benth.) powdered in equal proportions and given (10gm) drop.	Impotency	Brahmam & Saxena, 1990
391.	<i>Trichosanthes dioica</i> Roxb. (Cucurbitaceae)	Potal	Santal, Kolha, Bunda, Bathuri & Bhuiyan	(Keonjhar), Similpal (Mayur- bhanj)	Leaf	Unspecified	Fever	Nayak et al., 1998
392.	<i>Trichodesma indicum</i> R. Br. (Boraginaceae)	Hatta- mudia	Kondh	Dhulsi (Phula bani)	Root	Paste applied superficially.	Skin injuries	Girach, 1992
393.	<i>Tridax procumbans</i> L. (Asteraceae)	Resa	Bondo	Muduli- pada (Koraput)	Leaf	Paste applied locally	Burns	Aminuddin & Girach, 1991
		Bisha- lkarani	Kondh	Korda (Phulbani)	Leaf	Crushed and applied on cuts	Check bleeding	
		Bisha- lkarani	Kondh	Korda (Phulbani)	Root	Powder prepared in castor oil (<i>Ricinus communis</i> L.) in 1:5 by weight, applied locally.	Rheum- atism	Girach, 1992
		Bisal- yakarini	-	Jilundi (Ganjam)	Whole Plant	Paste taken orally.	Diarrhoea	Mohanty et al., 1996

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
		Vishal- karani	Santal, Bhumij, (Bhadrak) Kol, Munda & Bathudi	Bhadrak	Flower	Smelling of crushed flowers	Cold	Girach et al., 1996
		Tudu- ngjing	Lanjia	(Koraput)	Leaf	Warm juice used as eardrop.	Earache	Malik, 1998
		-	Kondh	Rajika- khola, Nediguda, Badruguda (Phulabani)	Whole Plant	Unspecified	Wound healing Antiseptic	Dash & Mishra, 1999
394.	<i>Tribulus terrestris</i> L. (Zygophyllaceae)	-	Kondh	Rajika- khola, Nediguda, Badruguda (Phulabani)	Leaf	Unspecified	Bodyache	Dash & Mishra, 1999
395.	<i>Tylophora fasciculata</i> Buch. Ham. ex. Wight. (Asclepiadaceae)	Bishnu- jadi, Kulna- jadi, Pangla- jadi	Gond, Kondh	Harisha- nkar, Patthar (Bolangir)	Root	Paste (10gm) given in one dose	Fever & Body pain	Brahmam & Saxena, 1990
396.	<i>Uria rufescens</i> (DC.) Schindl (Fabaceae)	Salpheni	Kondh	Andhari- pur, Hari- shankar (Bolangir)	Whole Plant	Decoction (15 gm) given thrice a day.	Bile trouble & acidity	Brahmam & Saxena, 1990
397.	<i>Uvaria hamiltonia</i> Hook.f. & Thoms (Anonaceae)	Lonka- noi, Ma- nkdo- phalo	Tanla	Rohila (Dhen- kanal)	Leaf, Unripe fruit	Crushed and applied locally.	Scratches caused by monkeys	Brahmam et al., 1996
398.	<i>Valeriana jatamansi</i> Jones (Valeriaceae)	Amru- tjata	-	Khajuri- pada, Chari- chaka (Phulbani)	Leaf	Juice taken orally with honey and also administrated to children	Diarrhoea	Mohanty et al., 1996
399.	<i>Vallis solanacea</i> (Roth.) O. Kuntz. (Apocynaceae)	Dudhia- bela	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar), Simlipal (Mayurbhanj)	Latex	Unspecified	Gum trouble	Nayak et al., 1998
400.	<i>Vanda tassellate</i> (Roxb.) Hook.f. ex G. Don. (Orchideaceae)	Khur- gasar	Bondo	Muduli- pada (Koraput)	Leaf	Juice extracted in oil used as ear drop	Earache	Aminuddin & Girach, 1991
					Whole Plant	Fractured bone properly set with bamboo strips and plastered with plant paste and tied by cloth for 15 days.	Bone fracture	
		Rasna	Kondh	Jarda (Phulabani)	Leaf	Paste prepared in 'Saroson oil' applied for rheumatic pain.	Rheuma- tism	Girach, 1992
		-	Kondh	Rajika- khola,	Whole Plant	Unspecified	Otitis	Dash & Mishra,

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
				Nediguda, Badruguda (Phulabani)				1999
		Kusu- ma ma- lang	Tanla	Malyagiri (Dhen- kanal)	Stem, Leaf	Powder (10gm) taken with half a glass of hot water.	Stomach disorder	Brahmam et al., 1996
401.	<i>Vernonia squarrosa</i> (G.Don.) Less. (Asteraceae)	Bannasi	Paudi, Bhuinya	Bonai Hills (Sunda- rgarh)	Seed	Powder (5gm) for internal use	Diarrhoea	Aminuddin & Girach, 1996
402.	<i>Ventilago denticu- late</i> Willd. (Rhamnaceae)	Nahal beli	Tanla	Malyagiri (Dhen- kanal)	Leaf, Flower bud	Crushed and applied locally.	Acute headache	Brahmam et al., 1996
403.	<i>Vicoa auriculata</i> (?) (Asteraceae)	Rumu- tintar	Lanjia	(Koraput)	Root	Unspecified	Abortion	Malik, 1998
404	<i>Vicoa indica</i> (L.) DC. (Asteraceae)	Themsi- bilans	Bondo	Muduli- pada (Koraput)	Root	Fresh root chewed	Abdominal pain	Aminuddin & Girach, 1992
		Sabli	Kondh	Belghar (Phulbani)	Root	10gm root boiled in 100ml water till it becomes one fifth. 2 teaspoonful decoction given once a day to children.	Fever	Girach, 1992
		Omku- msa darh	Lanjia, Saora	(Koraput)	Root	Unspecified	Cough	Mallik, 1996
405.	<i>Viscum orientalis</i> Willd. (Loran- thaceae)	Madang	Kondh	Harisha- nkar, nkar, Patthar (Bolangir) (Koraput)	Whole Plant	With few black peppers made into paste in cow's milk a given (10gm) once daily for 3-4 days	Blood dysentery	Brahmam & Saxena, 1990
406.	<i>Vitex neounda</i> (?) (Verbanaceae)	Singani	Lanjia	(Koraput)	Leaf	Boiled in water and used for sponging the effected part.	Aches	Malik, 1998
407	<i>Vitex negundo</i> L. (Verbanaceae)	Begunia	Kondh	Khajuri- pada (Phulbani)	Leaf	50gm with equal quantities of Justicia adhatoda L. leaves boiled in 500ml water till it becomes one fifth. 100ml decoction given once a day for 3 days	Body ache	Girach, 1992
		Begna	Paudi, Bhuinya	Bonai Hills (Sundar- garh)	Stem	Juice mixed with honey taken in desired quantities	Indigestion	Aminuddin & Girach, 1996
		Begunia	Gond	Hemgir (Sundar- garh)	Leaf	Vapour generated by boiling leaves with water in a closed earthen vessel inhaled through mouth.	Cough & Asthma	Satapathy & Brahmam, 1996
		Beng- unia	Santal, Kolha, Similpal Bunda, Bathuri & Bhuian	(Keonjhar), (Mayur- bhanj)	Leaf	Unspecified	Headache, Swelling, Pain & Rheum- atism	Nayak et al., 1998
		-	Kondh	Rajika- khola,	Root / Under	Unspecified	Fever &	Dash & Mishra,

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
				Nediguda, Badruguda parts (Phulabani)	ground		Tootache	1999
408.	<i>Vitex peduncularis</i> Wall. (Verbanaceae)	Chadei- gudi	Oraon, Munda, gond, Dhanuar, Routia	Sarafgarh (Sundar- Bhuiyan, garh)	Bark	Decoction obtained by boiling in water and straining, served hot (like tea)	Malaria	Mukherjee & Namhata, 1990
409.	<i>Wendlandia heynei</i> (Roem. & Sch.) Sant. Tilai & Merch (Rubiaceae)	Tilai	Kondh	Jalmahadev (Samba- lpur)	Root	Root (15 gm) and 3 black pepper berries made into paste and given once daily for 3 days after menses.	Conception prevention (birth control)	Brahmam & Saxena, 1990
410.	<i>Woodfordia fructicosa</i> (L.) Kurz. (Lythraceae)	Dhating Paudi,	Bhuinya	Bonai Hills (Sundar- garh)	Root	Powder (5 gm) given twice daily	Cough	Aminuddin & Girach, 1991
			Kondh	Rajika- khola, Nediguda, Badruguda (Phulabani)	Whole Plant	Unspecified	Unconsciousness	Dash & Mishra, 1999
411.	<i>Wrightia arborea</i> (Dennst.) Mabb. (Apocynaceae)	Palaku- runa, Phou- kuruni	Tanla	Malyagiri (Dhen- kanal)	Seed	Paste applied on body for 3-4 days	Itching & Eczema	Brahmam et al., 1996
412.	<i>Wrightia tinctoria</i> (Roxb.) R. Br. (Apocynaceae)	Setkure, Dhub- akure	Kondh, Oriya, Gonda	Harish- ankar (Bolangir)	Bark, Root, Fruit	Ground in equal proportions and paste (10 gm) given twice a day to nursing mother to expel thread worms from breast fed infants. Grew up children being given this paste directly	Expel thread worms	Brahmam & Saxena, 1990
413.	<i>Xanthium strumarium</i> L. (Asteraceae)	Agira	Santal, Kolha, Bunda, Bathuri & Bhuiyan	Keonjhar), Similipal (Mayur- bhanj)	Seed	Unspecified	CNS, Depressant Diuretic sedative	Nayak et al., 1998
414.	<i>Xeromphis spinosa</i> (Thumb.) Keay. (Rubiaceae)	Mohana, Salara	Oraon, Munda, gond, Dhanuar, Routia	Kunchpani (Sundar- Bhuiyan, garh)	Leaf Bark	Dried leaves are used as vegetable Decoction internally & apply externally on temple to ameliorate fever & head ache. It also has sedative and carminative action.	Dyspepsia Fever / Headache	Mukherjee & Namhata, 1990
415	<i>Xylia xylocarpa</i> (Roxb.) Taub. (Mimosaceae)	Kongada	Tanla	Malayagiri (Dhen- kanal)	Seed	Fried and given to children	Polyuria	Brahmam et al., 1996
416.	<i>Zanthoxylum budrunga</i> Wall. (Rutaceae)	Kuil	Kondh, Saora	Ramagiri, Tardsingi (Ganjam)	Twig Leaf Bark	Decoction taken, (d.n.s.) A piece placed on tongue	Fever Salivation promotion	Jain et al., 1973 Brahmam & Saxena 1990

Table 1: Contd....

S. No.	Botanical Name & (Family)	Vema- cular	Tribe	Locality (District)	Part used	Local Therapeutic preparation with dosage (if any)	Remedy	Reference
417.	<i>Zingiber capitatum</i> Roxb. (Zingibera- ceae)	Bhuta- nasan	Oriya	Nursingh- nath, Patthar (Bolangir)	Rhi- zome	With those of <i>Tectaria cicutaria</i> ? ground in equal proportions and given (10 gm) (d.n.s.)	Menstrual troubles	Brahmam & Saxena, 1990
418.	<i>Zingiber monta- num</i> (Koenig) Link ex A. Dietrich (Zingib- earceae)	Bhuta- nasan	Oriya	Budasama- ropahad (Sam- balpur)	Rhi- zome	With tuber of <i>Pueraria tuberosa</i> (Roxb.) DC boiled in caster oil this oil used for massage	Rheuma- tism	Mohanty et al., 1996
419.	<i>Ziziphus mauritiana</i> Lamk. (Rhamnaceae)	Barakoli	—	Mujagada (Ganjam)	Fruit	a) Pulp along with curd, pomegranate juice and till oil taken orally. b) Unspecified	Blood dysentery	Nayak et al., 1998
		Barakoli	Santal, Kolha, Bunda, Bathuri & Bhuian	(Keonjhar), Similpal (Mayur- Bhanj)			Nausea, vomiting, Pain killer at time of pregnancy	
420.	<i>Zizyphus rugosa</i> Lamk. (Rhamna- ceae)	Kant- aikuli	Oraon, Munda, Bhuiyan, gond, Dhanuar, Routia	Ghoghar Chenga- pahar, Hemgiri (Sundar- garh)	Bark	Powdered and applied with ghee to heal, toothache spongy gum and ulcers in mouth.	Dental care	Mukherjee & Namhat, 1990
421.	<i>Zizyphus xylo- carpus</i> (Retz.) Willd. (Rham- naceae)	Kirat	Lanjia, Saora	(Koraput)	Bark & Leaf	Powdered and paste applied externally	Chest pain in chough	Malik, 1996

descending order is Phulbani and Boudh -164, Sundergarh -107, Bhadrak - 83, Keonjhar and Mayurbhanj - 82 each, Koraput-75, Bolangir - 65, Dhenkanal - 53, Ganjam - 42, Sambalpur - 40 and Kalahandi - 30. Out of the 24 tribes focussed in this review work, Kondh tribe reported 175 times, Santal -166, Munda -122, Oriya -106, Bhumij and Kol - 87 times each, Kolha, Bunda, Bathuri and Bhuian - 82 times each, Tanla - 53, Bondo - 43, Oraon - 42 and others are less than 40 times with minimum report from Khariya - 3 times.

The various plant parts about 27, used for various diseases by tribal people, out of which leaf as a source is reported for maximum times i.e. 212, root -210, stem bark, whole stem, stem sap, bark leachate - 89+43+3+3=138, whole plant - 77, seed - 68, fruit - 53, flower - 27, latex -25, rhizome - 21 and other plant parts with minor use.

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KEY WORDS Orissa State (India). Ethno-medicinal Informations. 27 Plant Parts. 24 Tribes. 166 Diseases. Cross Cultural Significance.

ABSTRACT The review reports Ethnomedicinal use of 421 number of plants by 24 tribal communities of Orissa state, living in 11 undivided districts. This covers the use of plants for about 166 diseases. The plants so far reported are, 67 for diarrhoea; 50 for dysentery; 30 for rheumatism; 26 for fever; 24 for skin infection; 21 for cough and cold; 21 for toothache; 20 for headache; 19 as antidote for poisoning; 14 for bleeding piles; 14 for leucorrhoea; 13 for eye complaints; 12 for malaria are significant. Orissa being a diarrhoea dominated state as reported earlier also tops in ethnomedicinal exploration from diarrhoeal point of view. Interestingly plants are reported more than 7 times by different tribal communities for various diseases; but with a common utility against diarrhoea. Among the districts, the reports are from Phulbani and Boudh of 164 plants; Sundargarh 107; Bhadrak 83; Keonjhar and Mayurbhanj 82 each; Koraput 75; Bolangir 65; Dhenkanal 53; Ganjam 42; Sambalpur 40 and Kalahandi 30 in descending order. Among the tribals, the Kondh tribe is reported for 175 times; Santal 166; Munda 122; Oriya 106; Bhuinya and Kol 87 times each;

Kolha, Bunda, Bathuri and Bhuian 82 times each; Tanla 53; Bondo 43; Oraon 42 and all other tribes less than 40 times with minimum report from Khariya 3 times. The medicinal values extracted from leaf are 212 times; root 210; stem bark/ whole stem/ stem sap/ bark leachate 138; whole plant 77; seed 68; fruit 53; flower 27; latex 25; rhizome 21 and other plant parts with minor use. 27 different plant parts are used by the tribes as reported. The plants like *Abrus precatorius*, *Achyranthes aspera*, *Alstonia scholaris*, *Andrographis paniculata*, *Asparagus racemosus*, *Barleria prionitis*, *Calotropis gigantea*, *Careya arborea*, *Cissampelos pareira*, *Cuscuta reflexa*, *Datura metel*, *Elephantopus scaber*, *Hemidesmus indicus* and *Ficus benghalensis* are significant from cross cultural point of view.

REFERENCES

- Aminuddin and Girach, R.D.: Ethnobotanical Studies on Bondo tribe of District Koraput Orissa, India. *Ethnobotany*, **3**:15-19 (1991).
- Aminuddin and Girach, R.D.: Observations on Ethnobotany of the Bhunjia – A Tribe of Sonabera Plateau. *Ethnobotany*, **5**: 83-86 (1993).
- Aminuddin and Girach, R.D.: Native Phytotherapy Among the Paudi Bhuinya of Bonai Hills. *Ethnobotany*, **8**: 66-70 (1996).
- Bhasin, V.: *People, Health and Diseases : The Indian Scenario*. Kamala Raj Enterprises, Delhi, 86-87 (1994).
- Brahmam, M. and Saxena, H.O.: Ethnobotany of Gandhamardan Hills – Some Noteworthy Folk-medicinal Uses. *Ethnobotany*, **2**: 71-79 (1990).
- Brahmam, M., Dhal, N.K. and Saxena, H.O.: Ethnobotanical Studies among the Tanla of Malyagiri Hills in Dhenkanal District, Orissa, India. In: S.K. Jain (Ed.): *Ethnobiology in Human Welfare*. Deep Publications, New Delhi, 393-396 (1996).
- Chaudhuri Rai, H.N., Pal, D.C. and Tarafder, C.R.: Less known use of some plants from the Tribal areas of Orissa. *Bull. Bot. Surv. India*, **17**: 132-136 (1995).
- Danda, A.K.: *Tribal Ethnography*: I.C.S.S.R. Monograph -5 (1996).
- Dash, S.S. and Mishra, M.K.: Plant diversity and sustainable development in a Tribal village eco-complex on the Eastern Ghats of Orissa. *Journal of Human Ecology*, **10** (5-6): 415-419 (1999).
- Girach, R.D.: Medicinal Plants used by Kondh Tribe of District Phulbani (Orissa) in Eastern India. *Ethnobotany*, **4**: 53-66 (1992).
- Girach, R.D.; Aminuddin; Ahmed, M. and Mishra M.K.: Native Phytotherapy Among Rural Population of District Bhadrak, Orissa. In: S.K. Jain (Ed.): *Ethnobiology in Human Welfare*. Deep publications, New Delhi, 162-164 (1996).
- Girach, R.D., Aminuddin, Brahmam, M. and Mishra, M.K.: Observations on Ethnomedicinal plants of Bhadrak District, Orissa, India. *Ethnobotany*, **9**: 44-46 (1997).
- Girach, R.D., Aminuddin, Brahmam, M. and Mishra, M.K.: Folk Veterinary Herbal Medicine of Bhadrak District, Orissa, India. *Ethnobotany*, **10**: 85-88 (1998).
- Jain, S.K., Banerjee, D.K. and Pal, D.C.: Medicinal plants Among Certain Adibasis in India. *Bull. Bot. Surv. India*, **15** (1&2): 85-91 (1973).
- Malik, S.: Belief and Health Care: A Study Among the Saoras of Koraput District, Orissa. In: S.K. Jain (Ed.): *Ethnobiology in Human Welfare*, Deep Publications, New Delhi, 151-152 (1996).
- Malik, S.: Management of Medicinal Plants by the Lanjia Saora. In: M.K. Bhasin and S.L. Malik (Eds.): *Contemporary Studies in Human Ecology*, Indian Society for Human Ecology, Delhi, India, 267-274 (1998).
- Mohanty, R.B., Padhy, S.N. and Dash, S.K.: Traditional Phytotherapy for Diarrhoeal Diseases in Ganjam and Phulbani Districts of South Orissa, India. *Ethnobotany*, **8**: 60-65 (1996).
- Mohanty, R.B., Dash, S.K. and Padhy, S.N.: Traditional Phytotherapy for Diarrhoeal Diseases in India – A Review. *Ethnobotany*, **10**: 103-111 (1998).
- Mukherjee, A. and Namhata, D.: Studies Medicinal Plant Lore of the Tribals of Sundargarh District Orissa. *Ethnobotany*, **2**: 57-60 (1990).
- Nayak, A., Das, N.B. and Nanda, B.: Utility of some Tribal Drugs of Keonjhar & Similipal Area. *J.T.R. Chem.*, **5** (2): 53-59 (1998).
- Raghunathan, K.: Medico-Ethnobotanical Survey and Their Role in Research in Ayurved In: S.K. Jain (Ed.): *A Manual of Ethnobotany*. Scientific Publisher, Jodhpur, 79-93 (1987).
- Sahoo, A.K. and Mudgal, V.: Less Known Ethnobotanical Uses of Plants of Phulbani District, Orissa. *Ethnobotany*, **7**: 63-67 (1995).
- Satapathy, K.B. and Brahmam, M.: Some Medicinal Plants Used by Tribals of Sundargarh District, Orissa, India, In: S.K. Jain (Ed.): *Ethnobiology in Human Welfare*. Deep Publications, New Delhi, 153-158 (1996).
- Saxena, H.O. and Dutta, P.K.: Studies on Ethnobotany of Orissa. *Bull. Bot. Surv. India*, **17**: 124-131 (1975).
- Saxena, H.O.: Brahmam, M. and Dutta, P.K.: Ethnobotanical Studies in Orissa, 232-244, In: S.K. Jain (Ed.): *Glimses of Indian Ethnobotany*. Oxford and IBH, New Delhi (1981).
- Tribedi, G.N.; Dayal, R.N. and Chaudhuri Rai, H.N.: Some Medicinal Plants of Mayurbhanj (Orissa). *Bull. Bot. Surv. India*, **24**: 117-120 (1982).
- Ved Prakash: Indian Medicinal Plants: Current Status-I. *Ethnobotany*, **10**: 112-125 (1998).

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