

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

Sarita Das, S.K. Dash and S.N. Padhy*

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 &Brahmam 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 & Brah- mam 1996
		Runjo	Bhumij Kol, Munda Santal	Talanagar (Bhadrak)	Seed	2 Seeds powdered and given with water to cattle. d.n.s	Liver disorder	Girach etal 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 etal 1998 Dash & Mishra 1999
3.	<i>Abutilon indicum</i> (L.) Sweet (Malvaceae)	Pidipi- dika	Bhumij, Kol, Munda Santal & Bathudi	Bindha (Bhadrak)	Seed	Decoction for internal use.d.n.s.	Diarrhoea & Vomiting	Girach etal 1996
		Pedipe- dika	Bhumij, Kol, Munda & Santal	Nagsai (Bhadrak)	Leaf	Powder consumed mixing with cattle feed.d.n.s.	Diarrhoea	Girach etal 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	Brahmam 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,	Udaygiri (Phulbani) (Keonjhar) Similipal	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 & Strengthen gum	Aminuddin & Girach 1991
		Apama-rang	Kondh	Khajuri-pada (Phulbani)	Root	Dried Powder 16gm given with water to regain consciousness	Epilepsy.	
					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	Oligogalactia	Aminuddin & Girach 1996
		Apama-Oraon ranga	Kisan	Bunda-munda (Sundargarh)	Whole Plant	30 ml decoction with 20-30 ml honey for internal use	Lessen labour pain & Hasten delivery	Satapathy Brahmam & Hasten 1996.
		Apama-ranga	Santal, Kol, Munda, Bathudi & Bhumij	Jajpada (Bhadrak)	Leaf	Juice given for ensuring vomiting	Indigestion	Girach et al 1996.
-do-	Santal, Bunda, Kolha, Bathuri & Bhuian	Keonjhar (Keonjhar)	Root	Unspecified	Stop bleeding	Nayak et al 1998.		
-do-	Kondh	Rajika-khola Nediguda &Badruguda (Phulbani)	Whole Plant	Unspecified	Toothache	Dash & Mishra 1999		
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 andcoconut 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 Sununia	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) & Similipal (Mayurbhanj)	Leaf & Fruit	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 Gonda	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 mula, Chatiana	Oraon, Bhuiyan, Gond, Dhanuar & Routia Oriya	Lobdega, Birada, Jharbeda (Sunda- rgarh) Harishankar (Bolangir) Junadihi (Sambalpur)	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 Lactogogue Skin disease	Mukherjee & Namhata, 1990 Brahmam & Saxena, 1990
		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	Bondo	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	Bonai Hills (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 (Koraput)	Leaf	Unspecified	Fever	Malik, 1996
		Chireita	Santal, Kolha, Bunda, Bathuri & Bhuian	Keonjhar (Keonjhar) Similipal (Mayur- bhanj)	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, Bunda, 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)	Root	Along with roots of <i>Smilax 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)	- (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.) Sperng.] (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 Burn & 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
			& Routia					
80.	<i>Cassia alata</i> L. (Caesalpinaceae)	Dadmari	Santal, Kolha, Bunda, Bathuri & Bhuian	Keonjhar (Keonjhar), Similipal (Mayurbhanj)	Leaf	Unspecified	Ringworm	Nayak et al., 1998
81.	<i>Cassia hirsuta</i> L. (Caesalpinaceae)	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. (Caesalpinaceae)	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. (Caesalpinaceae)	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. (Caesalpinaceae)	Chako- nda	Santal, Bhumij, Kol, Munda & Bathudi	Singuda (Bhadrak)	Seed	Paste applied locally.	Ringworm	Girach et al., 1996
85.	<i>Cassia tora</i> L. (Caesalpinaceae)	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 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 & Piles Sperma- torrhoea		
		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 mala(b)aricus</i>	Baro	Lanjia, Saora	Koraput	Bark	Unspecified	Diarrhoea	Malik, 1996
93.	<i>Chlorophytum 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, Gond, 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 & Brahman, 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	Brahman & 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	Brahman & 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 & Brahman, 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 & Brahman, 1996
		Dhatu- ra	Santal, Kolha, Similpal Bund,	(Keonjhar) Similpal (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 gangeticum</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, Leucorrhoea, 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 stomach for 2-3 days.	Spermato- rrhoea	
170.	<i>Eupatorium odoratum</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 antiquorum</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.	Leucorrhoea	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- biaceae)	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), (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)	Thutikur	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 pepper 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
		Mandar	Santal, Bhumij, (Bhadrak) Kol, Munda, Bathudi	Bindha	Leaf	Paste applied on forehead	Headache	Girach et al., 1996
		Mandar	Sanal, Kolha, (Mayur- Bathuri bhanj) & Bhuian	(Keonjhar) Similipal (Mayur- Bathuri bhanj)	Flower, Leaf	Unspecified	Burns & scalds	Nayak et al., 1998
214.	<i>Holarrhena anti-dysenterica</i> (L.) Wall. ex DC. (Apocynaceae)	Dud- khury	-	-	Latex	Used locally	Eczema, skin infections	Saxena et al., 1981
		Kurai	Paudi, Bhuinya	Bonai Hills (Sundar- garh)	Root	Root mixed with equal quantity of 'Harada' (<i>Terminalia chebula</i> Retz.) 'Bhada' [<i>Terminalia bellerica</i> (Gaertn) Roxb.] and 'Bhejri' (<i>Solanum surtense</i> Burm. f.) fruits boiled in water till taken twice daily for a week.	Cough / cold	Aminuddin & Girach, 1996
		Kirat	Lanjia	(Koraput)	Root	Unspecified.	Dysentery	Malik, 1998
215.	<i>Holarrhena pubescens</i> (Buch. Ham.) Wall. ex Don. (Apocynaceae)	Kure, Keruon	Kondh, Oriya	Harisha- nkar, Pa- tther (Bo- langir) Budasmro 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	Khajuri- pada (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	Khajuri- pada (Phulbani)	Seed	Powder (5gm) given once a day	Fever	Girach, 1992
		Kurchi	Bhumij, Kol, Munda, Santal Kondh	Agarpada (Bhadrak) Rajika- khola, Ne- diguda, Badruguda (Phulbani)	Fruit Leaf	Unripe fruit powder mixed with an edible oil, warm mixture applied to neck of cattle Unspecified.	Worm infestation Rheuma- tism	Girach et al., 1998 Dash & Mishra, 1999
216.	<i>Hybanthus enneaspermus</i> (L.)	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)	Bilakanta, Kuili-khia	Munda, Oriya	Tengerpali (Sundargarh)	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, Oraon, Konu	Chandiposh Munda, Bhuiyan, Gond, Dhanuar & Routia	Bark & Leachate		Very dilute leachate used to ameliorate high fever.	Fever	Mukherjee & Namhata, 1990
220.	<i>Ichnocarpus frutescens</i> (L.) R. Br. (Apocynaceae)	Uthrudi	Tanla	Malyagiri (Dhenkanal)	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	Elephantiasis, Nerve disease	Nayak et al., 1998
221.	<i>Indigofera cassioides</i> Rottl. ex. D.C. (Fabaceae)	Gilri	Bhunja	Sonabera plateau (Kalahandi)	Seed	Seeds of young pods eaten raw.	Protein supplement	Aminuddin & Girach, 1993
222.	<i>Ipomoea aquatica</i> Forsk. (Convolvulaceae)	Nalabandisha	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)	Musakani	Oriya	Junidihi forest (Sambalpur)	Plant	Paste applied hot at night for 7 days.	Corns	Brahmam & Saxena, 1990