"Diversity of Ethno Medician Plant in Dist. Balod (C.G)"

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Abstract: Ethno-botanical study on traditional medicinal plants was conducted in Balod district of Chattisgarh, India and documented different types of traditional medicinal plants used by the indigenous peoples. The study was focused on identifying medicinal plants with botanical name, family, local name, Habit, parts used, methods of preparation, administration and ailments treated are provided. Baiga, Gond and Oraon are common tribal communities of Balod district and completely or partially dependent on forest product for their survival and livelihood. The data was collected using interview and questionnaires by selecting 16 healers using purposive sampling method. A total number of 166 species of plants belonging to155 genera and 75 families have been recorded in study area of Balod. Total number of species, genera and families of both cultivated and wild category was studied. The present study highlights on traditional knowledge and ethno-medicinal observation in different areas of district Balod CG. The ethno medicinal information of tribal's peoples was collected from of the study sites and brief description of the plants will be discussed later.

Key-Words: Medicinal; Ethno-botany; Balod; Tribes

I. Introduction

Chhattisgarh, the 26th State of India is situated between 17 to 23.7 degree North latitude and 8.40 to 83.38 degree east longitude. It has about 44% of its total geographical area covered with forests. Chhattisgarh abounds in hilly regions and plains. Rice is the principal crop of the State. Uttar Pradesh to the north, Jharkhand to the north- east, Orissa to the east, Andhra Pradesh to the south-east and south, Maharashtra to the south-west and Madhya Pradesh to the west and north-west form its boundaries. A predominantly tribal State endowed with rich mineral and forest wealth, Chhattisgarh has about 35 big and small tribes inhabiting the State. The climate of Chhattisgarh is mainly tropical, Humid and sub-humid. The climate is hot because of its position on the tropic of cancer. May is the hottest month and December and January are the coldest ones. The State is completely dependent on the monsoons for rains. The Mahanadi is the principal river of the State. Chhattisgarh state is divided geographically in to three regions, namily Northern hills, Chhattisgarh plain and Bastar plateau. Balod Dist is located in South north center Chhattisgarh and lies between latitude 20.73.North longitudes 81.20. East. The area of the district is 2, 78,000 km2, of which 44.49% is forest area. Balod Dist is five block, Dondi, Sanjari- Balod, Gurur, Gunderdehi, Dondi lohara

Balod is the 19th Distinct of C.G. state. This area is a rich in medicinal plant diversity. The district has a sizeable tribal population using enormous range of plants for their basic needs, sustenance and livelihood. The district has very rich plant diversity, including medicinal plants. Many of them are on the verge of extinction due to over exploitation and destruction of their habitat. There has been no comprehensive study on the enumeration, distribution and the assessment of threat to the existing medicinal plants. The tribal people mostly depend of forests for their live hood like- foods, fibers, woods etc., and up to 50. /. Of the ruler population still depends on traditional medicine as primary near there source. (Sanjiv Kumar 2009) The objected of this study is documenting the indigenous knowledge through ethno botanical studies. It is important for conservation of biological resources as well as their sustainable utilization. Chaudhary V.K. et.al 2002, Ekka et.al 2007, Oudhia P. (2008).

Medicinal plants have traditionally occupied an important position in the socio-cultural, spiritual and health arena of rural and tribal lives of India. India has one of the oldest, richest and most diverse cultural traditions associated with the use of medicinal plants in the form of traditional systems of medicine (GOI, 2000). Over the last century, ethno botany has evolved into a specific discipline that looks at the people—plant relationship in a multidisciplinary manner, such as ecology, economic botany, pharmacology and public health (Balick, 1996).

Also many of the known medicinal uses of plant have not been studied empirically in detailed for the active chemical compound. On the wild edible vegetables and fruit, nutritional values of these plants need to be investigated. For the benefit of researchers some of the reports published by different workers from the region are cited in the reference (**Bora 2001**). The common tribal communities of area are Baiga, Gond, Bharia, Bhils, and Oraon. They are partially or completely dependent on forest product for their survival (**Chopra et al., 1969**, **Jain, 1989**). There by the wild growing plants could be brought under systematic cultivation could be brought

under systematic cultivation and the exotics introduced may also be cultivated if climatic conditions are favorable (Kumar et al; 1997).

These wild plants meet most requirements from food to medicine, both men and domestic animals. The use of large number of wild plants species to fulfill diverse requirement is largely due to the prevalence of diversity of vegetation in this subcontinent with dense humid tropical and temperate forest (Jain 1981).

II. Research Methedology-

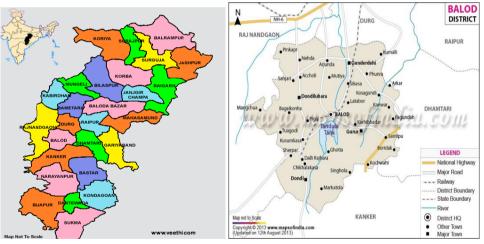
In present study the identification of plants, documentation, herbarium, Ethno-medico observation and photography of plant species was done in study areas of District Balod CG. Identification of plant species was done by Flora of Madhya Pradesh and Local flora of District. Ethno-botanical information was gathered from tribal people, vaidyas and ethnic peoples. Present study is based on intensive field survey during 2011-2015. The plant species will be identification of plant species will be done with the help of flora of various past of India. Ethno botanical knowledge will be documented from various part of Indians sub continent. The collection of voucher specimens of plant species with vernacular name and field notes were also discussed during field trips. The first-hand information on the medicinal plants used by the villagers was arranged alphabetically with common name and families name in (Table 1).

The identifications of plants were done using the following references:-

- 1. Flora of British India by Hooker (1875)
- 2. Taxonomy of Vascular plants by Lawrence George (1964)
- 3. Herbaceous flora of Deharadun by C.R. Babu (1977)

III. Results And Discussion

Ethno-botanical study on traditional medicinal plants was conducted in Balod district, Chattisgarh, and documented different types of traditional medicinal plants used by the indigenous peoples. The study was focused on medicinal plants with botanical name, family, local name, habit, parts used, methods of preparation, administration and ailments treated are provided. Baiga, Gond and Oraon are common tribal communities of Balod district and



completely or partially dependent on forest product for their survival and livelihood. The data was collected using interview and questionnaires by selecting 16 healers using purposive sampling method. A total number of 166 species of plants belonging to 155 genera and 75 families have been recorded in study area Balod CG. Total number of species, genera and families of both cultivated and wild category was studied. Some interesting findings on ethno medicinal uses of 104 plants of tribes of Dantewada, C.G. in different ailments have been reported (Sahu et al., 2014). The present work was focused on traditional knowledge and ethno-medicinal observation in different areas of district Balod CG., present study sites are Biodiversity rich, diverse geomorphology, climatic variations and vegetation with various ecosystems i.e. forest, scrub, grassland, water bodies. Ethno- botanical studies has been done in various part around the world viz. Africa (Houessou etal. 2012), Canada (Uprety et al., 2012), Malaysia (Ong et al., 2012), Nepal (Singh et al., 2012), Pakistan (Qureshi et al., 2007). Ethno-botany accounts for thestudy of relationship between people and plants fortheir use as medicines, food, shelter, clothing, fuel, fodder and other household purposes (Balick, 1996). Ethno-botanical information was collected by standard method of (Jain, 1963: Jain and Rao, 1977). The ethno medicinal information was gathered from interviews with living elders belonging to Madiya, Muriya, Gond and Bhatra tribes of the study area reported by (Sahu et al., 2014). The information was collected by interviewing 17 local vaidya and local herbal-healers of forty four plant species representing 23 families have been reported to be in use among in Barsur and its villages of Geedam block Dantewada, CG were reported by (Vanee et al., 2013). The survey indicated that, the study area has plenty of medicinal plants to treat a wide spectrum of human ailments. Earlier studies on traditional medicinal plants also revealed that the economically backward local and tribal people of studied area. The dominat habit in plantHerb-67,Tree-45,Shrub-33,Climber-10, Aquatic plant-04,Grass-4, Bulb-02, Fern-01.The dominat Family in Balod distract medicinal plantFabaceae 11,Euphorbiaceae08,Liliaceae06,Malvaceae,andSolanaceae05,Araceae,Acanthaceae,Apocynaceae,andMoraceae 04,plant species.

Table 1: Representing the Ethno-medicinal uses of Different Plant species in Balod C.G.

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S./N	Botanical Name	Common	Family	H	Use		
•		Name		ab it			
1	Abelmoschus	Bhindi	Malvaceae	Н	A pest of its leaves is applied on cut, wound, and sprains.		
	moschantus. Medik						
2	Abutilon indicum Sw.	Chambi & Kanghi	Malvaceae	S	Root used in vomiting, Leukorrhoeaand Menorrhagia.		
3	Acacia nilotica (L) Del	Babul	Mimosaceae	Т	Pound the fresh stem bark to extract juice. 250ml of this extrat is given orally twice daily for two days to the animal which is suffering with constipation.		
4	Acacia sinuata (Lour.) Merr.	Kochi	Mimosaceae	Т	Pod is used skin disease, burning sensation, constipation, calculi, hemorrhoids.		
5	Acanyhospermum hispidum, Linn.	Gokharu	Asteraceae	Н	Leaves used in Skin diseases. Fever of juice.		
6	Achyranthesaspera , Linn.	Circita	Amaranthace ae	S	Whole plant used asthma, bronchitis, flatulence, painful inflammations, vomiting, skin diseases		
7	Adhatoda vasica Linn	Vasak, Basak	Acanthaceae	S	Dameg bone to pest use treatment		
8	Adiantum philippense,Linn	Hans raj	Adiantaceae	Fe rn	fever, rhizome powdwer snak bite		
9	Adina cord folia Roxb.	Haldu	Rubiaceae	Т	Bark used for Bruises Wounds.		
10	Aegle marmelos Linn	Bel	Rutaceae	Т	Dried powder of Unripe pulp of used to cure diarrhea.		
11	Ageratum conyzoidesLinn.	Sahadevi	Asteraceae	Н	Kidney stones, cuts, wounds and ulcers and in conjunctivitis.		
12	Alangium salvifolium (L, F.)	Aakol	Cornaceae	Т	Grind 50-60 gm bark of Aakol to Make powder, keep it for 30 min. and drink it. Stomach Pain diseses		
13	Allium sativum Linn	Garlic, Lahsun	Liliaceae	Bu lb	High bloodpressure control		
14	Allium cepa Linn	Onion	Liliaceae	Bu lb	Heart disease, Snake bite.		
15	Aloe vera, Linn	Aloe	Liliaceae	Н	Leaf juice is used in Skin damage, Wound		
16	Amarathus aspera Linn	Cholai	Amaranthace ae	Н	Used for asthma & cough, Maleria		
17	Amorphophallusdu biusBI (A.sylvaticusKunth	Bansooran &Ponga	Araceae	Н	Cromes used hemorrhoids, hemorrhage, arthritis, inflammation, vomiting, cough, anorexia, amenorrhea, dysmenorrhea, sexual weakness and general debility.		
18	Anacardium occidentale, Linn.	Kaju&Cash ew	Anacardium	T	Cashew Fruit used Diabetes, Bones strong, Kidney stone,		
19	Andrographis Paniculata (Burm.f.)	Kalmegh & Juditaap. Bhui neem	Acanthaceae	Н	Leaf juice is useful for diabetes and as blood purifier. Maleria, Leaf pest is use Ringworm, Leaf use is fever, Maleri.		
20	Annona reticulate Linn	Ramphal	Annonaceae	T	For tonic and unripe fruit for Diarrhea.		
21	Aresaemaema tortuosum, Wall	Ban makha	Araceae	Н	Tuber is used Cold and cough.		
22	Argemone mexicana Linn	Peeli kateri	Papavaraceae	Н	Yellow colored latex extracted from fresh stem is used to cure Wounds.		
23	Arthocarpus integrifolia Linn.	Kathar & Jackfruit	Moraceae	Т	Root for diarrhea and milk for Swellings		
24	Asparagus recemosus Wild	Satavar	Asparagaceae	Н	Young leaf fried with ghee and taken twice a day for night blindness and slipping problem. Root boil with sugar and water taken twice or thrice a day for fever, weakness and blood pressure.		
25	Azadiracta indica A.Juss.	Neem	Meliaceae	T	Crushed leaves are used to cure many skin diseases, frequently used by people.		

26	Bacopa monnieri, Linn.	Brahmi	Plantaginacea e	С	Juice leap In treat ment of skin.
27	Balanites aegypticaLinn.	Hingota	Zygophyllace ae	T	Asthma, cough
28	Bambusa arundinaceae (Retz) Willd.	Bans	Poaceae	Т	100ml leaf decoction which was prepared with hand full leaves of <i>Bambusa</i> and Neem is given orally to control fever, once a day for three days.
29	BasellarubraLinn.	Poi	Basellaceae	Н	Leaves used in hemorrhages, skin diseases, sexual weakness and ulcer and as a laxative in children and pregnant women.
30	Bauhinia recimosa Linn.	Kachnar	Caesalpiniac eae	S	Bark & Fruit is used diarrhea, skin diseases, rectal prolapse, diabetes, inflammations, worms, tumors,
31	Belamcanda chinesis, (Linn) DC.	Tiger lily	Iridaceae	Н	Liver com-plaints, Prostate cancer.
32	Bixa orellana Linn.	Sinduri	Bixaceae	S	Leaf use Inflammation, Dye obtained from the fruits is used as a coloring matter for edible materials.
33	Blepharispermussu bsessile (D.C)	Rasnajadi	Sterculiaceae	Н	Wound , Urin Problem
34	Bryophyllum pinnatum (Lam.)opken	Bhampatti	Crassulaceae	Н	In the Bahamas it is mostly used for Asthma or shortness in breath.
35	Buchnania lanzan (Spreng) Roxb.	Char	Anacardiacea e	Т	Powder of leaves is used during loose-motion
36	Caesalpiniabonduc ucella, Linn.	Kantkarej,	Caesalpiniac eae	S	Seeds yield fatty oil used as a cosmetic and for discharges from the ear. Leaves and bark are febrifuge.
37	Calotropisgigantea Linn.	Aka &Madar	Asclepiadece ae	S	Latex And Leaves skin diseases, joint inflammations, snake poison, asthma and chest infections and rabies
38	Carica papaya Linn	Papaya	Caricaceae	T	Clean and attractive fresh in skin, Used as edible
39	Carissa apaca (Stapf)ex haines	Jangli karunda	Apocynaceae	S	Leaves are using ful Cardiac disorders.
40	Casculata reflexa, Roxb.	Amarbel	Convolvulace ae	С	Shoot is use headache, fever malignancy and paralysis
41	Cassia Fistula, Linn	Amaltas	Fabaceae	Т	Leaf juice is used in ring warm
42	Cassia tora Linn.	Charota	Caesalpiniace ae	Н	Young seedling of the plants after washing is chewed by pregnant women for timely and easy delivery.
43	Catharanthus roseus Linn.	Sdabahar	Apocynaceae	Н	Whole plant used diabetes, hypertension, leukemia and malignancy, the root is stomachic and tonic
44	Cayratica auriculata (Wall) Gamble	Jangaliangu r	Vitaceae	С	The plant use Ful in Cough.
45	Centratherumanth minticum, Linn.	Vanjira	Asteraceae	Н	Fever
46	Chenopodium album L.	Bathua	Chenopodiac eae	Н	Whole plant use Laxative Appetizer
47	Chlorophytum tuberosum, Baker.	Safed musli	Sterculiaceae	Н	Root use the Sexual Diseses
48	Citrus aurantifolium, Linn	Van nimbu	Rutaceae	Н	Root and Fruits use in Maleria fever, eye disorders
49	Citrus reticulates Linn	Orange , Santra	Rutaceae	Т	Hani bee and bark powder leap to treatment of skin.
50	ClitoriaternateaLin n (Blue variety)	Aparajit	Fabaceae	S	Root used in migraine, skin diseases, bronchitis, asthma,
51	Cocculus vilosa D.	Patal Kumdha	Menispermac eæ.	Н	Tuber as Tonic
52	Cocos nucifera Linn.	Nariyal	Arecaceae	Т	For,Lever Weaknesses
53	Coleus AmbionicusLinn.	Patharchur	Labiatae	Н	Leaves: Useful in potyuria, Thirst, flatulance, colic, Asthmaw, chronic cough, Epilepsy& urinary troubles.
54	Colocasia esculenta, Linn.	Runa, ghuia. Arbi	Araceae	Н	Tube is use cancer, weakness, Leaf used in Bone setting,
55	Cordia Macleodii Graff(Hook)F&tho ms	Dahiman	Boraginaceae	Т	The bark used for treatment of Jaundice
56	Costus speciosus, Smith.	Keokand	Costaceae	Н	The plant is useful for rabies dogs.
57	Crinum latifolium	Sudarshan	Liliaceae	Н	Bulb used edema, earache, arthritis, callosity,

	Linn.	&Wild onion			hemorrhoids, and used as an emitting drug for children.
58	Crossandra infundibuliformis, Linn.	Lalmurga	Acanthaceae	S	Flower paste use wound
59	Crotalaria retusaLinn.	Khunkuniy an	Fabaceae	Н	Seeds powdered and with milk is useful for increasing body strength, also useful in skin disease.
60	Cucumis sativus, Linn.	Khira	Cucurbitacea e	С	Fruit pest leap is the use of Skin fresh
61	Curculigo orchioides, Gaertn	Kalimusli	Hypoxidacea e	G	Root use the Sexual Diseses
62	Curcuma aromatic	Ban Haldi	Zingiberacea e	Н	For Blood Purification and Fever
63	Curcuma longa, Linn	Haldi & Turmeric	Zingiberaceae	Н	Rhizome Powder Wound, sprains, liver disorder and juice is use Chicken pox, allergy, and antibacterial.
64	Cuscuta reflexa Roxb.	Amarbel	Cuscutaceae	G	Antiseptic on wounds. Decoction of plant is given for bath to cure skin disease.
65	Cyathula prostrate Blume.	LalChirchir a	Amaranthace ae	Н	Root is used diseases of urinary system and uterine disorders.
66	Cymbopogon flexuosus	Nibughass	Poaceae	G	Lemon grass Leaves used it is said provides relief in following Health problems: Aids in digestion, Relieve spasms, Muscle cramps ,Rheumatism ,Headaches, Nausea
67	Cynodon dactylon pers.	Doob	Poaceae	С	Apply the paste of doob with turmeric apply extract of plant with mustard oil.in use of Eczema & Phylaria whole part
68	Cynoglossum lanceolatum Forsk	Kamraj	Boraginaceae	Н	Root is used in fever ,Eye
69	Cyperus platyphyllus. Roem.& Schult	Jal motha	Boraginaceae		Whole part used fever, abdomen
70	Cyperusesculentus Linn.	Chichoda	Cyperaceae	Н	Tub is used anorexia, intermittent fever, burning sensation, headache,
71	Cyperusrotundus, Linn.	Motha	Cyperaceae	G	Leaves used fever, and urinary retention. Increases and purifies breast milk.
72	Dalbergia sissoo Roxb	Shisham	Leguminosae	Т	Leaves for Diabetes
73	Datura metal, Linn	Datura	Solanaceae	S	Seed used in treatment of stomach, fever, leaf juice use in Hair dray.
74	Daucus carota Linn	Carrot, Gajar	Apiaceae	Н	Vegetable, dropsy, & kidney troubles
75	Diospyros melanoxylon Roxb.	Tendu	Ebenaceae	Т	Gum useful for Eye Disease
76	Drimia indica, (Roxb) Jessop	Jangli piyaz	Liliaceae	Н	scorpion sting
77	Emblica officinalis Gaertn Linn.	Amla	Euphorbiacea e	Т	Powder of fruits is used as purgative also used as cooling agent of stomach
78	Eryngium foetidum, Linn.	Jangli Dhania	Apiaceae	Н	Snake bites, maleri, Worm
79	Euphorbia hirta, Linn.	Dudhi	Euphorbiacea e	Н	Fruit is used skin diseses, cough, andanorexia. Pitta, rakta asthma,
80	Evolvulus nummularius, linn.	Musakani, Bchuichip ki	Convolvulac eae	A qu ati c pl an t	Paralysis, epilysis, convulsion,spasm
81	Ficus benghalensis, Linn.	Bhargad	Moraceae	T	Grind 100gm of fresh stem bark along with 10gm seeds of Carumcopticum (L.) Link. And 2 bulbs of onions together and make a bolus. Feed 50 of this bolus twice a day for two days to control bloat
82	Ficus racemosa Linn.	Dumer	Moraceae	T	Latex is used piles diarrhea and dysentery. Fruits are used in urinary trouble and roots are used as anti-diabitic.
83	Ficus religeosa Linn.	Peepal	Moraceae	T	Juice of Leaves for Mouth Ulcer
84	Gardenia gummiferaLinn.f.	Dekamari	Verbenaceae	S	Resinis used kapha, skin disease
85	Gloriosa superba. Linn.	Baijanti &Kebu	Colchicaceae	Н	Rhizome is used constipation, intestinal worms, skin diseases, fever, and bronchitis.

86	Gossypium arboretum Linn.	Kapas	Malvaceae	S	Root bark is used for amenorrhoea and dysmenorrhoea.
87	Gymnema sylvestre (Retz.) R.Br.	Gudmar	Asclepiadace ae	С	Whole plant used renal and vesicalcalculi, constipation, asthma and leukoderma.
88	Hedyotis corymbose, Linn.	Davana Patta	Rubiaceae	Н	Whole plant used in colic, constipation, skin diseases, cough, bronchitis and hepatitis.
89	Hemidesmus indicus, Linn.	Anat mool	Asclepiadace ae	S	Fever, Kidney stone problem
90	Holarrhena antidysentrica (Roxb. ex Fleming).	Kuda	Apocynaceae	T	Bark, leves used diarrhea, dysentery, hemorrhage, hemorrhoids, amoebiasis, hepatitis and skin diseases.
91	Hydrocotyle sibthorpioides,La m.	Khulkhum ri	Araliaceae	A qu ati c pl an t	fever Wound, boils cold cough
92	Hygrophila auriculata, (K.Schum) Heine	Talmakhan a	Acanthaceae	Н	Anemia cough seed venereal des. Root diuretic in drosy
93	Impatiens balsamina, linn.	Gulmehndi	Balsaminace ae	Н	Ulcers, Arthritis
94	Ipomoea pescaprae (Linn) R.Br.	Dopatilata	Convolvulace ae	Н	skin disease, boils, wound ulcers, hemorrhoids and burning sensation
95	Jasminum auriculatum Vahl.	Juhi	Oleaceae	S	Leaves used burning sensation, ulcer, stomatitis, renal calculi and skin diseases.
96	Jatropha curcas Will.	Ratan- jot	Euphorbiacea e	S	In cancer& Blood pressure
97	Jatropha podagrica Hook	Jangli arndi	Euphorbiacea e	S	The seed oil of the plant used for treatment of rheumatism
98	Lantana camara	Machhimu dhi	Verbanaceae	S	It is not affected by pests or disease, has low water requirements, and is tolerant of extreme heat, skin disease
99	Lathyrus aphaca	Jangli matter	Fabaceae	Н	Seed, Fruit is use Asthama & cough.
100	Lawsonia inermis Linn.	Mehandi	Lythraceae	S	Leaf use Skin eruption, Headache, Hair dyes
101	Lenotis nepetifolia,Roxb	Ukand,Bar a guma	Lamiaceae	Н	Leaves is use fever, cough, snake bite
102	Linumu sitatissimum, Linn	Alsi	Linaceae	Н	The whole plant is dried and then pounded to make powder, boil 100gr of powder in same quantity of water to make paste and apply this paste on animal's body to control ticks and lice.
103	Madhuca latifolia Gmel	Mahua	Sapotaceae	Т	Fresh heated leaves are tied to cure swelling and wounds.
104	Mallotus philippensis (Lam) Muell. Arg.	Sindur,& Kamala	Euphorbiacea e	T	Brown powder covering the fruit used worm infestation, constipation, skin diseases, flatulence, wounds, ulcers, cough, renal and vesicalcalculi, poisons, ringworm.
105	Mariscus sumatrensis (Retz) Raynal	Jangli motha	Cyperaceae	Н	Stem& bark is used in Gonorrhea and wound
106	Mentha longifolia, Linn.	Mint	Lamiaceae	Н	Extricates worms from intestine Provides cooling effects Extract juice from 50 gm leaves
107	Micheliachampaca . Linn	Champa	Magnoliaceae	T	Flower are used to reduce burning sensation, Ulcer, Skin disease
108	Mimosa pudica, Linn	Lajbati, Chuimui	Mimosaceae	Н	Weakness, bleeding, bronchitis, Grass, Wound of human skin use,
109	Mirabilis jalapa Linn. (Red Variety)	Lal Gulabas	Nyctaginacea e	Н	Root used fever, syphilis, inflammation, burns and scalds, and general debility.
110	Mirabilis jalapa Linn. (Yellow Variety)	Peela Gulabas	Nyctaginacea e	Н	Root used fever, syphilis, inflammation, burns and scalds, and general debility.
111	Mitragyna parvifolia Roxb.	Kaddam	Rubiaceae	Т	Bark used in skin diseases, fever, inflammations, infections and fever.
112	Momordica	Karela	Cucurbitacea	С	Fruit use in kidney stone

	charantia Linn		e		
113	Mucuna prurienas L.D.C.	Kewash	Fabaceae	S	Seeds as Tonic
114	Musa paradiaca, Linn.	Kela & Banana	Musaceae	Н	Fruit is used skin diseses, Anemia, Blood pressure, Ulcer, Diabetes, and Cholesterol.
115	Nelumbium speciosum Linn	Kamal	Nymphaeacea e		Tuber is use Diabetes.
116	Oxalis corniculata, Linn.	Tinpatiya	Oxalidaceae	Н	Dyspepsia, hemorrhoids, dysentery,hepatitis
117	Passiflora edulis,Sims	Rajkiphul	Passifloracea e	Н	Flower is use of insomnia, anxiety, nervous disordes
118	Phaseolus radiatus Linn	Urd, Mung bean	Fabaceae	Н	Pulse, Paralysis, & Rheumatism
119	Phoenix sylvestris Linn.	Chhind	Arecaceae	T	Juice for Tonic
120	Phyllanthus amarus Schum. & Thonn	Jangliamli	Euphorbiacea e	S	fevers, urinary retention, constipation, ulcers and wounds
121	Phyllanthus reticulatus Poir	Pancholi,	Euphorbiacea e	S	Leaves used in diabetes, burning sensation, burns, skin diseases,
122	Physalis minima Linn.	Chirpoti	Solanaceae	Н	Ascites, ulcer, sexual weakness and cough.
123 124	Piper betal, Linn Pisum sativum,	Pan Pea &	Piperaceae Fabaceae	C H	Cough, Cancer Fruit Powder and Haldi pest in use of ring worm
125	Linn. Pithecellobium	mater jangle	Fabaceae	Н	For cancer& Blood pressure
126	dulce Roxb. Pongamia pinnata	jalebi Karanj	Fabaceae	Т	Bark use Menstrual problems
120	(L.) Pierre.	12	Tuoueeue	•	January Process
127	Pueraria tuberosa, Linn.	Patal kumhda	Fabaceae	С	Cure abdominal disorder
128	Punica granatum Linn	Anar	Lytbraceae	Т	Flower use Leucorrhoea
129	Rauvolfia serpentina (Linn.) Benth.	Chotachand	Apocynaceae	S	Root is used vata, hypertension, insanity, epilepsy, insomnia, wounds, fever, colic and urinary retention, in controlled dose. Overdose cause giddiness and is toxic.
130	Remusatia vivipara (Roxb)Schott	Laxaman kand	Araceae	Н	Tube in use of treatment cancer
131	Ricinus communis Linn.	Arandi	Euphorbiacea e	S	10 gm paste of roots of three year old plant is used to stop abortion. Oil of seeds use as purgative
132	Rosa centifolia, Linn.	Rose	Rosaceae	S	Petals used in Cough, Fever, asthama, insomnia
133	Rubuse llipticus Linn	Hinsal	Rosaceae	S	Fruit is used dysentery.
134	Sapindus mukorossi Gaertn.	Ritha	Sapindaceae	Т	Fruit use Hair shampoo
135	Saraca indica,Linn.	Ashoka	Caesalpiniace ae	Т	Bark use Piles, Leucorrhoea
136	Semecarpus anarcardium Linn.	Bhilawa	Anacardiacea e.	Т	For Cancer and Asthma., skin Diseses
137	Shorea robusta A.W. Roth.	Sal/Sarai	Dipterocarpac eae	Т	Fruits are used for dysentery and scorpion sting.
138	Sidarhombifolia, Linn.	Lalbarela	Malvaceae	S	Root is used pitta, pain, arthritis, asthma, bronchitis, burning sensation, and urinary retention.
139	Sidaspinosa Linn.	Bariyara	Malvaceae	S	Root is used pitta, pain, arthritis, asthma, bronchitis,
140	Smilax macrophylla, Linn	Ramdatoon	Liliaceae	S	Leaves use in Leukorrhea
141	Solanum lycopersicum, Linn.	Tomato & Tamater	Solanaceae	Н	Fruit is used skin diseses cancer, strong bones, wonder, eye, kidney stones, and blood pressure.
142	Solanum tuberosum, Linn	potato	Solanaceae	Н	Tube in potato use in skin diseses along with honey folk remedy.
143	Sonchu sasper, Linn	Didhi	Asteraceae(S unflower family)	С	Plants are pounded and applied to wounds and boils. Herb is used as an emollient.

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144	Sphaeranthusindic us, Linn	Mundi	Asteraceae	Н	Whole plant used in migraine, jaundice, fever, cough, hemorrhoids, helminthiasis, skin diseases and as nervinetonic.Rheumatism, Blood purifier
145	Stereospermumcoa lis (Buch, Ham, ex Dillw) DL	Adakapari	Bignoniaceae	T	Leaves, Fruit used pittaskin diseases, urinary retention, kidney stones, arthritis, cough, hemorrhoids, and muscular pain.
146	Syzgium cuminii (L.) Skeel	Jamun	Myrtaceae	T	Seed are dried and powdered about 5 gram powder is dissolved in half a glass of water and after some time is given orally twice a day for 15 days to treat diabetes.
147	Tamarinds indica Linn.	Imli	Leguminosea e	Т	Bark Ash for Cough
148	Tegetes erecta Linn	Genda	Asteraceae	Н	Flower Used in unhealthy ulcers, Piles
149	Tephrosia purpureae, Linn	Meghapati	Fabaceae	Н	Root used in asthama, Liver, spleen, heart, Ulcer.
150	Terminalia alata, Heyme ex Roth	Sajja	Comretaceae	Т	Bark is used in Diarrhoea
151	Terminalia ballerica Roxb	Behera	Combretacea e	Т	For, Digestive Trouble.
152	Terminalia chebula, Roxb	Harra	Combretacea e	Т	Seeds for Leucorrhoea and Indigestion
153	Tinospora cordifolia (Willd.) Miers ex Hk. f. & Th.	Gurbe& geloy	Menispemace ae	Т	Fever Take the lukewarm stem juice orally
154	Tinospora cordifolia, Willd	Giloy	Menispermac eae	Т	Whole part use in Maleri
155	Tridaxprocumbens Linn.	Ekapushpi,	Asteraceae	Н	wound, ulcers, anal fistula,
156	Trigonella foenum- graecum,Linn.	Methi	Papilionaceae	Н	Leaf use in Fed 1 kg of fresh methi leaves to the infected animal to control infectious diarrhea
157	Vetex negundo, Linn.	Nirgundi	Verbenaceae	S	Cure of Antitioxicant in body
158	Vitex quadrangularis, Wall.	Hadjod	Vitaceace	Н	Aqueous solution of plant is given, one glass a day till relief to treat bone fracture. Decoction of stem is given twice a day for 15 days to treat irregular menstruration.
159	Withania somnifera (Linn.) Dunal.	Asgandh	Solanaceae	S	PROPERTIESPlant pacifies vitiated vata, nerve weakness, impotency, oligospermiaand arthritis. The roots are aphrodisiac and stimulant,
160	Woodfodia floribunda Salisba.	Dhawai	Lytheraceae	Т	Leaves ash well mixed with musterd oil and used for pain.
161	Woodfordia fruticosa Linn. Kurz.	Davi	Lythraceae	S	Flower is used pitta, skin diseases, burning sensation, hemorrhage, anemia, leucorrhea, menorrhagia,
162	Xanthium strumarium, Linn	Chotadhatu ra	Asteraceae	Н	Specially root and fruit, is used as medicine. According to Ayurveda, X. strumariumis cooling, laxative, fattening, anathematic, tonic, digestive, antipyretic, and improves appetite, voice, complexion, and memory. It cures poisonous bites of insects.
163	Zanthoxylumalatu m, Roxb.	Vandhania	Rutaceae	S	Cough, Fever,
164	Zingiber officinale, Linn	Ginger & Adrak	Zingiberaceae	Н	Root used in Cancer, Skin bladder, Breast, lymphoma, Cough,
165	Zizyphus numularia (Burm.f.) Wt. &	Ber	Rhamnaceae	T	15 ml extract of bark is used 7 day, thrice a day to cure diarrhea
166	Arn. Prodr. Zizyphus ragosa , Lam.	Makoi	Rhamnaceae	T	Leaf for Peptic Ulcer.
	•		•		

Table.2 Showing Families with Number of Genera, Species of the Distict Balod (C.G.)

S\N	FAMILY NAME	NOMBER OF PLANTSPECES	GENUS
1	Acanthaceae	4	4
2	Adiantaceae	1	1
3	Amaranthaceae	3	3
4	Anacardiaceae	2	2
5	Anacardium (Kaju)	1	1
6	Annonaceae	1	1

7	Apiaceae	2	2
8	Apocynaceae	4	4
9	Araceae	4	4
10	Araliaceae	1	1
11		2	2
12	Arecaceae		
	Asclepiadaceae	3	3
13	Asparagaceae	1	1
14	Asteraceae	8	8
15	Balsaminaceae	1	1
16	Basellaceae	1	1
17	Bignoniaceae	1	1
18	Bixaceae	1	1
19	Boraginaceae	3	3
20	Caesalpiniaceae	2	2
21	Caesalpiniaceae	2	2
22	Caricaceae	1	1
23	Chenopodiaceae	1	1
24	Colchicaceae	1	1
25	Combretaceae	3	2
26	Convolvulaceae	3	3
27	Cornaceae	1	1
28	Costaceae	1	1
29	Crassulaceae	1	1
30	Cucurbitaceae	2	2
31	Cuscutaceae	1	1
32	Cyperaceae	3	3
33	Dipterocarpaceae	1	1
34	Ebenaceae	1	1
35	Euphorbiaceae	8	7
36	Fabaceae	11	11
37	Hypoxidaceae	1	1
38	Iridaceae	1	1
39	Labiatae	1	1
40	Lamiaceae	2	2
41	Leguminosae	2	2
42	Liliaceae	6	5
43	Linaceae	1	1
44	Lytbraceae	1	1
45	Lytheraceae	3	3
46	Magnoliaceae	1	1
47	Malvaceae	5	5
48	Meliaceae	1	1
49	Menispemaceae	3	2
50	Mimosaceae	3	2
51	Moraceae	4	2
52			
53	Musaceae Myrtaceae	1	1
54	Nyctaginaceae	2	1
55		1	1
56	Nymphaeaceae Oleaceae	1	
57	Oteaceae Oxalidaceae	1	1
58	Papavaraceae Papavaraceae		
59		1	1
	Papilionaceae		
60	Passifloraceae	1	1
61	Piperaceae	1	1
62	Plantaginaceae	1	1
63	Poaceae	3	3
64	Rhamnaceae	2	1
65	Rosaceae	2	2
66	Rubiaceae	3	3
67	Rutaceae	4	3
68	Sapindaceae	1	1
69	Sapotaceae	1	1
70	Solanaceae	5	5
71	Sterculiaceae	2	2
72	Verbanaceae	3	3
73	Vitaceace	2	2
74	Zingiberaceae	3	2
75	Zygophyllaceae	1	1
Total	family-75	166	155

Tree- 45, Aquatic plant- 04, Herb- 67, Bulb- 02, Bulb- 02, Climber- 10, Shrub- 33, Grass- 4, Fern- 01

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