Chapter - V

OBSERVATION
CHAPTER -V

Observation

The Ratapani Sanctuary is more significant in the sense that this is the only protected area in the district representing a big geographical tract, where efforts are being made to preserve the rich floristic and faunistic composition for future generation. In all 24 villages of the Sanctuary were surveyed. These villages were situated in remote area. Information on ethnomedicinal uses were collected by interviewing the tribals of every village. More than 150 people including womens, vaidyas, kavirajas and hakims were consulted. Spot photographs of some of the interesting specimens/ live plants were taken.

ACANTHACEAE


LN :  Adusa          HS :  509 RS
Des :  Shrub; leaves-elliptic lanceolate; flowers in spikes. white in colour; fruits-capsules; seeds-tubercular.
Fl. & Fr. :  Dec.-Mar.   LO : Dhunwani
Plate :  3                Fig. : 1
Eth. Uses :  Cough and Cold, Skin diseases, Diarrhoea
Proc :  -Leaves of the plant and leaves of Gurbel plant
(Tinospora cordifolia) are boiled together and extract is taken cure cough and cold.
- Decoction of leaves is used skin diseases and diarrhoea.
*Barleria prionitis* Linn.

LN: Piyabansa  
HS: 501 RS  
Des: Undershrub; leaves-ovate, acute or acuminate at both ends, entire, hairy, petiolate; flowers-short head like subsessile axillary and terminal racemes; fruits-capsules.  
Fl. & Fr.: Sept.-Apr.  
LO: Lulka  
Eth. Uses: Whooping cough, Dropsy  
Proc: - Infusion of plant is taken to cure whooping cough.  
              - Juice of stem bark (about 20 gm.) is used in dropsy.

**ALANGIACEAE**

*Alangium salvifolium* (Linn.f.) Wang.

LN: Ankol  
HS: 655 RS  
Des: Tree; Leaves-alternate, simple, 3 nered, lanceolate; flowers-axillary, terminal, panicles, tubular, pubescent; fruits-berry, purplish red when ripe.  
Fl. & Fr.: Feb.-Aug.  
LO: Dhunwani  
Plate: 3  
Fig.: 2  
Eth. Uses: Skin diseases, Rheumatism  
Proc: - Powder of leaves (2 gm.) is given to cure for rheumatism.  
              - Paste of leaves is applied on skin disease.

**AMARANTHACEAE**

*Amaranthus viridis* Linn.

LN: Chaulai  
HS: 649 RS  
Des: Herb; leaves-alternate, simple, deltoid, ovate; flowers-
terminal or axillary spike, pale green in colour; fruits utricles.

**Fl. & Fr. :** Mar.-Sept.  
**LO :** Dhunwani

**Eth. Uses :** Suppuration, Boils

**Proc :**  
- Paste of root are boil and given for suppuration.
- Paste of leaves is applied on boils.

**Aerva lanata** (Linn.) Juss. ex Schult.

**LN :** Gorakbooti  
**HS :** 502 RS

**Des :** Herb; leaves-obovate, tomentose in both sides; flowers-spikes clustered; fruits-utricles.

**Fl. & Fr. :** Jul.-Apr.  
**LO :** Delbadi

**Eth. Uses :** Kidney stone

**Proc :**  
- About 4 tea spoons juice of leaves is given twice in a day for about a week to expel stones from kidney.

**Achyranthus aspera** Linn.

**LN :** Adharjhara  
**HS :** 654 RS

**Des :** Herb; Leaves-ovate or elliptic; flowers-terminal spikes; fruits-utricles; seeds-obleng.

**Fl. & Fr. :** May-Feb.  
**LO :** Khapariya

**Eth. Uses :** Piles, Eye diseases

**Proc :**  
- Dried seeds powder mixed with water (water obtained after wasiing rice) in the ratio of 1:1 is given as cure for piles.
- Leaves burned with camphor and used externally in eye diseases.
ANACARDIACEAE

*Buchanania lanzan* Sperng.

**LN:** Achar          **HS:** 530 RS

**Des:** Tree; stem-rough bark; leaves-alternate, simple, broadly oblong, pubescent; flowers-axillary and terminal panicles, densely pubescent, greenish white; fruits-drupe; seeds-stony, two valved.

**Fl. & Fr.:** Jan.-Apr.  **LO:** Delbadi

**Eth. Uses:** Septic wounds

**Proc:** - Decoction of stem bark is applied for washing septic wounds.

*Semicarpus anacardium* Linn. f.

**LN:** Bhilawa       **HS:** 503 RS

**Des:** Tree; Leaves-alternate, crowded at the tips of the branches, glabrous above, pubescent beneath, coriaceous; flowers- subsessile, fascicled in pubescent panicles which are equal to leaves, bracts lanceolate; fruits-drupe, black when ripe.

**Fl. & Fr.:** May-Jul.  **LO:** Dantkho

**Eth. Uses:** Abortion, Menstruation.

**Proc:** - Bruised nut placed on the mouth of the uterus of 3-5 month pregnant women for aborton.

- Root bark in rice water and taken for 3 days at the end of menstruation.
Mangifera indica Linn.

LN: Aam  
HS: 645 RS

Des: Evergreen tree; leaves-alternate, simple; flowers-racemes, greenish white; fruits-drupe fleshy; seeds-stony flat.

Fl. & Fr.: Feb.-Jul.  
LO: Lulka

Plate: 3  
Fig.: 3

Eth. Uses: Blood dysentery

Proc: - About 15 ml. decoction of stem bark is taken as cure for blood dysentery.

Lannea coromandelica (Houtt.) Merr.

LN: Ghinghan  
HS: 514 RS

Des: Deciduous tree; leaves-alternate, few at the ends of the branches, leaflets membranous, ovate oblong, accumulate, entire, pink when young; flowers-crowded cymose fascicles, male and female usually on different branches and appear when the tree is leafless; fruits-drupe, small, oblong.

Fl. & Fr.: Feb.-Jun.  
LO: Dhunwani and Lulka

Eth. Uses: Ulcer, Wounds, Teethache.

Proc: - Decoction of stem bark (2 gm.) is given to cure ulcer.
- Decoction of stem bark is applied on wounds.
- Decoction of stem bark (3 gm.) is given for the treatment of teethache.
ANNONACEAE

*Annona squamosa* Linn.

**LN:** Sitaphal  
**HS:** 504 RS

**Des:** Small tree; leaves-alternate, simple; flowers-solitary of 2-3 on lateral peduncle, drooping, yellowish green in colour, scented; fruitssyncarpus, tubercled; seeds-brownish black.

**Fl. & Fr.:** May-Jul.  
**LO:** Jaitpur

**Plate:** 3  
**Fig.:** 4

**Eth. Uses:** Stomach pain, Diarrhoea, Dysentery

- Seeks powDer is taken for the treatment of stomach pain.
- Paste of root is given as cure for dysentery.
- Stem bark is used against diarrhoea.

*A. reticulata* Linn.

**LN:** Ramphal  
**HS:** 561 RS

**Des:** Small tree; leaves-alternate, simple, ovate, lanceolate; flowers-2 to 3 together tomentose, scented; fruitssyncarpus, heart shaped, reddish purple when ripe.

**Fl. & Fr.:** Jul.-Apr.  
**LO:** Jaitpur

**Eth. Uses:** Anthelmintic

**Proc:** -Dried seed powders is taken as cure for anthelmintic.

*Saccopetalum tomentosum* Hook. f. & Thom.

**LN:** Karri  
**HS:** 570 RS

**Des:** Trees; stem-bark black with longitudinal cracks; leaves-elliptic orovate oblong, membranous, acute, base

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rounded, petiole minute; flowers-greenish yellow, subterminal, 6 petals in two series; fruits- succulent with 3-4 seeded.

Fl. & Fr.: Apr. - Jun.  LO: Dhunwani
Eth. Uses: Rheumatism
Proc: - The leaves is used against rheumatism.

APOCYNACEAE

*Catharanthus roseus* (Linn.) G. Don.

LN: Sadasuhagan  HS: 505 RS
Des: Herb; stem-smooth, deep green; leaves-opposite, simple; flowers-axillary and terminal cymes, tubular; fruits-follicles; seeds-black robose.
Fl. & Fr.: Through out the year  LO: Dantkho
Plate: 4  Fig.: 5
Eth. Uses: Cancerous wounds
Proc: - Fresh latex is used for the treatment of cancerous wounds.

*Carissa spinarum* Linn.

LN: Karonda  HS: 652 RS
Des: Shrub; stem-forked thorns with milkey juice; leaves-opposite, simple, elliptic ovate; flowers-axillary, terminal white; fruits-berries.
Fl. & Fr.: Mar.-Jun.  LO: Neelgard
Plate: 4  Fig.: 6
Eth. Uses: Malignant ulcer, Fever
Proc: - Paste of root bark is applied as cure for malignant ulcer.
- Decoction of leaves is very much used for the treatment of fever.

*Holarrhena pubescens* (Buch.-Ham. ) Wall. ex DC.

**LN:** Kurchi  
**HS:** 507 RS  
**Des:** Small tree; leaves-opposite, simple, ovate, elliptic; flowers-axillary and terminal corymbose cymes, white; flowers-long cylindrical follicles; seeds-linear oblong with deciduous comas.  
**Fl. & Fr.:** May-Feb.  
**LO:** Mathar  
**Eth. Uses:** Diarrhoea, Wounds  
**Proc:** - Seeds powderd (2gm.) are used in diarrhoea.  
- The milky latex is applied externally on wounds.

*Ichnocarpus frutescens* (Linn.) Roxb.

**LN:** Dhimarbel  
**HS:** 658 RS  
**Des:** Climber with milky latex; leaves-simple, lanceolate, ovate, acute at the base; flowers-axillary paniculate racemes, white; fruits- pubescent.  
**Fl. & Fr.:** Jul.-Mar.  
**LO:** Mathar  
**Eth. Uses:** Nail disease.  
**Proc:** -Fresh latex of the plant is applied as cure for nakkuni (A kinds of nail disease).

*Rauvolfia serpentina* (Linn.) Benth. ex Kurz.

**LN:** Sarpgandha  
**HS:** 512 RS  
**Des:** Undershrub; leaves-whorls, simple, lanceolate; flowers-corymbose cymes, tubular, white; fruits-berrys; seeds-solitary.
Fl. & Fr.: May-Sept.  LO: Dantkho
Eth. Uses: Dysentery
Proc: - Decoction of roots (about 15 ml.) is given as cure for dysentry.

*Thevetia nerifolia* juss. ex Steud.

LN: Peela kaner  HS: 643 RS
Des: Shrub; leaves-alternate, simple narrow; flowers-subterminal cymes, large, tubular, yellow in colour; fruits-drupes; seeds-stony.
Fl. & Fr.: Jun.-Sept.
Eth. Uses: Goiter
Proc: - Paste of seeds mixed with common salt (3:1) is given as cure for goiter.

*Alstonia scholaris* Linn.

LN: Sattaparni  HS: 671 RS
Des: Tree; stem-with milkey juice; leaves-whorled, ob lanceolate to ovate; flowers-corymbose cymes, greenish white, sweet scented; fru itslices in clusterous; seeds-linear oblong.
Fl. & Fr.: Nov.-Jul.  LO: Bokheri
Eth. Uses: Cancerous wounds
Proc: - Paste of roots is applied on cancerous wounds.

*Nerium indicum* Mill.

LN: kaner  HS: 641 RS
Des: Shrub; leaves-whorled, linear; flowers-racemose cymes white; fruits follicles, cylindrical; seeds-flat.

**Fl. & Fr.:** Through out the year  
**LO:** Lulka  
**Eth. Uses:** Scabies  
**Proc:** -Boiled stem bark mixed with mustared oil and is applied on skin as cure for scabies.

**Fl. & Fr.:** May-Sept.  
**LO:** Bokheri  
**Plate:** 4  
**Fig.:** 7  
**Eth. Uses:** Skin diseases  
**Proc:** -Paste of fresh leaves is applied on skin diseases.

**ARECACEAE**

**Phoenix acaulis** Buch.-Ham ex. Roxb.

**Fl. & Fr.:** May-Feb.  
**LO:** Bumani  
**Plate:** 5  
**Fig.:** 8  
**Eth. Uses:** Blood dysentery  
**Proc:** -About 3 ml.decoction of seeds is given as cure for blood dysentery.

**Acorus calamus** Linn.

**Fl. & Fr.:** Through out the year  
**LO:** Lulka  
**Eth. Uses:** Scabies  
**Proc:** -Boiled stem bark mixed with mustared oil and is applied on skin as cure for scabies.

**Fl. & Fr.:** May-Sept.  
**LO:** Bokheri  
**Plate:** 4  
**Fig.:** 7  
**Eth. Uses:** Skin diseases  
**Proc:** -Paste of fresh leaves is applied on skin diseases.

**ARECACEAE**

**Phoenix acaulis** Buch.-Ham ex. Roxb.

**Fl. & Fr.:** May-Feb.  
**LO:** Bumani  
**Plate:** 5  
**Fig.:** 8  
**Eth. Uses:** Blood dysentery  
**Proc:** -About 3 ml.decoction of seeds is given as cure for blood dysentery.

**Acorus calamus** Linn.

**Fl. & Fr.:** Through out the year  
**LO:** Lulka  
**Eth. Uses:** Scabies  
**Proc:** -Boiled stem bark mixed with mustared oil and is applied on skin as cure for scabies.

**Fl. & Fr.:** May-Sept.  
**LO:** Bokheri  
**Plate:** 4  
**Fig.:** 7  
**Eth. Uses:** Skin diseases  
**Proc:** -Paste of fresh leaves is applied on skin diseases.
Fl. & Fr.: Jul. - Sept.  LO: Lulka
Eth. Uses: Pneumonia
Proc: - Paste of rhizome mixed with sarson oil (Brassica compestris) in ratio 4:1 is applied on chest for the treatment of pneumonia.

ARISTOLOCHIACEAE

Aristolochia bracteata Retz.
LN: Kirmar  HS: 506 RS
Des: Herb; leaves-opposite, simple, broadly, ovate, deeply cordate; flowers-solitary, purple in colour.
Fl. & Fr.: Jun.-Feb.  LO: Jawara
Eth. Uses: Abortion
Proc: - Approximate 10 ml. paste of root is used in abortion.

ASCLEPIADACEAE

Calotropis procera Roxb.
LN: Aak  HS: 664 RS
Des: Shrub; leaves-opposite, simple, subsessile, ovate oblong; flowers-umbellate cymes, white in colour; fruits-follicles.
Fl. & Fr.: Throughout the year  LO: Dantkho
Plate: 5  Fig.: 9
Eth. Uses: Septic wounds
Proc: - Paste of leaves is applied on septic wunds.
Hemidesmus indicus (Linn.) R.Br.

LN : Anantmul  
HS : 646 RS
Des : Shrub; leaves-elliptic oblong; flowers-axillary cymes, purple; fruitsfollicles; seeds-flat, black.
Fl. & Fr. : Jul.-Jan.  
LO : Pipaliyakala
Eth. Uses : Cholera
Proc : -Root powder mixed with mothers milk and is given to children for the treatment of cholera.

Gymnema sylvestre (Retz.) Schultes.

LN : Gurmar  
HS : 611RS
Des : Climber; leaves-broadly elliptic, obovate or oblong, roundate to cordate at base; flowers-umbelliform cymes, peduncles densely lobed, obtuse; fruits-follicles; seeds-oblong, flat.
Fl. & Fr. : Apr.-Jun.  
LO : Neelgard
Eth. Uses : Diabetes, Stomach pain
Proc : -Leaves are used against diabetes and stomach pain.

ASTERACEAE

Ageratum conyzoides Linn.

LN : Koobhi  
HS : 589 RS
Des : Herbs; leaves-alternate, ovate, 5 nerved, hairy, margins crenate and ciliate; flowers-head, bluish, florets all tubular; fruits-achene.
Fl. & Fr. : Sept.-Mar.  
LO : Naasipur
Eth Uses : Evil eyes
Proc : -Tribals tied piece of root about 3cm. long in black thread around or children against harmful effect of evil eyes.
Tridax procumbens Linn.

LN : Ekdandi  
Des : Herbs; leaves-opposite, simple, lobed, feathery; flowers-small, heads, yellow in colour; fruits-cypsela.
Fl. & Fr. : Through out the year  
LO : Naasipur  
Plate : 5  
Fig : 10
Eth. Uses : Hemicrania
Proc : Juice of leaves is applied as cure hemicrania (Headache on one side)

Eclipta prostrata (Linn.) Syn. E. alba Linn.

LN : Bhangra  
Des : Creeping herb; stem-hairy; leaves-linear oblong with white hairs; flowers-heads, floret, bisexual, white in colour; fruits-achenes.
Fl. & Fr. : Aug.-Apr.  
LO : Bumnai
Eth. Uses : Eye troubles
Proc : Juice of fresh leaves with common salt (3:2) is dropped in eyes for the treatment of eye troubles.

Emelia sonchifolia ( Linn.) DC.

LN : Hirankhuri  
Des : Glabrous herb; leaves-lyrate, pinnatifid; heads, homogenous, pinkish, violet; flowers-tubular.
Fl. & Fr. : Feb.-Mar.  
LO : Jaitpur and Lulka
Eth. Uses : Night blindness, Diarrhoea
Proc : Leaves paste is dropped into eye for relief of night blindness.
- Leaves paste (2 gm.) is given in the treatment of diarrhoea.

*Acanthospermum hispidum* DC.

LN: Gokhru  
HS: 593 RS

Des: Hispid herb; leaves-petiolate, obovate scabrous, densely hairy on upper side; flowers-heads rarely terminal; fruits-achenes prickly, with paired horn like spines at the top.

Fl. & Fr.: Aug.-Mar.  
LO: Dhunwani

Eth. Uses: Leprosy

Proc: -Paste of leaves is applied in the treatment of leprosy.

*Elephantopus scaber* Linn.

LN: Krah-kheri  
HS: 600 RS

Des: Herb; leaves-clustered and erect obovute or oblanceolate; stem-short with few alternate sessile or amplexicaul leaves in addition to the lower redical ones; heads, terminal flat-topped.

Fl. & Fr.: Sept.-Dec.  
LO: Jaitpur

Eth. Uses: Wounds

Proc: -Paste of leaves is applied on wounds.


LN: Pathri  
HS: 543 RS

Des: Decumbent herb; leaves-radicle, ovate oblong; flowers-heads, yellow in colour, rarely solitary; fruits-achenes.

Fl. & Fr.: Sept.-Feb.  
LO: Lulka

Eth. Uses: Fever

Proc: -Juice of fresh leaves about 2 ml. is given to new born babies suffering from fever.
Sphaeranthus indicus Linn.

LN : Gorakmundi  HS : 537 RS
Des : Herb; strongly scented; leaves-ovate, oblong; flowers-heads terminal and leaf opposed, compound; fruits-achene stalked.
Fl. & Fr. : Nov.-Mar.  LO : Naasipur
Eth. Uses : Tonic
Proc : -The powder of roots is taken as a tonic.

Vernonia cinerea Linn.

LN : Sahadevi  HS : 567 RS
Des : Herb; leaves-alternate, simple, lanceolate; flowers-heads, purple in colour.
Fl. & Fr. : Through out the year  LO : Mathar
Eth. Uses : Conjunctivitis
Proc : -The flowers are administered for conjunctivitis (blood shot eyes).

Xanthium strumarium Linn.

LN : Gokhru  HS : 550 RS
Des : Shrub; stem-purple, spotted; leaves-simple, ovate, variously lobed; flowers-heads, greenish; fruits-cypseles.
Fl. & Fr. : Sept.-Mar.  LO : Jaitpur
Eth. Uses : Wounds
Proc : -Leaf paste is applied on wounds.
BASELLACEAE

Basella rubra Linn. Syn. B. alba Linn.

LN : Poi                      HS : 564 RS
Des : Herbs; leaves-alternate, entire, broad ovate, cordate, acute or acuminate; flowers-pinkish or pale purple, sessile, axillary; peduncled spikes; fruits-enclosed in the perianth.
Fl. & Fr. : Sept.-Feb.        LO : Mathar
Eth. Uses : Conjunctivitis
Proc : - Juice of fruits used as eye drops in conjunctivitis.

BARRINGTONIACEAE

Careya arborea Roxb.

LN : Kumvi                    HS : 540 RS
Des : Tree; leaves-alternate, simple, obovate; flowers-racemes; fruits-berries; seeds-smooth ovoid.
Fl. & Fr. : Mar.-Nov.         LO : Binekakho
Eth. Uses : Body pain, Swelling
Proc : - Paste of fresh root is applied against body pain.
       - Leaf paste is applied on the face to reduce the swelling.

BOMBACACEAE

Bombax ceiba Linn.

LN : Semal                    HS : 642 RS
Des : Deciduous tree; leaves-digitately compound with 1 to 7
foliolate: flowers-solitary or clustered, red in colour, thick cup shaped, densely silky; fruits-capsule.

Fl. & Fr.: Jan.-Mar.  LO: Bhuttali

Eth. Uses: Headache, Boils, Dysentery

Proc:
- Leaves paste is applied on the head for the treatment of headache.
- Crushed stem bark heated with salt and applied on boils.
- 15-20 gm. resin mixed with water is used as medicines thrice in a day for control dysentery.

BURSERACEAE

Garuga pinnata Roxb.

LN: Kehad  HS: 619 RS

Des: Large Deciduous tree with grey bark; leaves-opposite, subsessile, lanceolate or ovate lanceolate, acuminate, oblique; flowers-polyga-mous, yellow, axillary, large terminal tomentose panicles; fruits-drupe, fleshy, smooth; seeds-membranous with wing.

Fl. & Fr.: Feb.-Jun.  LO: Lulka and Dhunwani

Eth. Uses: Asthma, Stomach pain

Proc:
- Leaves powder (2 gm.) is given twice in a day for 2 weeks as cure for asthma.
- The juice of fruits is given twice in a day for treatment of stomach pain.
Boswellia serrata Roxb. ex. Colebr.

LN : Salai  
Des : Deciduous tree; leaves-imparipinnate, leaflets opposite; flowers -axillary racemose; fruits-3 winged hard pyrenes.
Fl. & Fr. : Feb.-Jun.  
LO : Bourda
Eth. Uses : Leucoderma, Small pox
Proc :  
- Paste of stem bark is given as cure for leucoderma.
- Root paste is applied externally in small pox.

BORAGINACEAE

Cordia dichotoma Forst. f.

LN : Russalla  
Des : Tree; leaves-elliptic, oblong; flowers-terminal or axillary pedunculate cymes; fruits-drupes; seeds-white embeded in glutinous pulp.
LO : Pipaliyakala
Plate : 5  
Fig. : 11
Eth. Uses : Cough and Cold
Proc :  
- Decoction of leaves with common salt (3:1) is taken as cure for cough and cold.

CAESALPINIACEAE

Bauhinia purpurea Linn. Syn. B. variegata

LN : Kachnar  
Des : Middle sized tree; leaves-alternate, simple, rounded bilobed; flowers-terminal racemes, rosy purple in colour; fruits-pods, flat;seeds-flattened brown.
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Fl. & Fr.: Oct.-Apr.  LO: Bourda

Eth. Uses: Rheumatism, Diabetes.

Proc:
- Dried root powder with water (3:2) is given to patients as cure for rheumatism.
- Decoction of stem bark is given in diabetes.

*Cassia fistula* Linn.

LN: Amaltas  HS: 609 RS

Des: Medium sized tree; leaves-pinnately compound; flowers-racemes, yellow in colour; fruits-pods, long, cylindrical; seeds-flat, black.

Fl. & Fr.: May-Feb.  LO: Barkhera

Eth. Uses: Skin diseases, Ringworm

Proc:
- Juice of young leaves is applied twice in a day on skin diseases.
- Paste of leaves is used in dressing for ringworm.

*C. occidentalis* Linn.

LN: Kasondi  HS: 615 RS

Des: Herb; leaves-petioles with a gland at base, leaflets ovate oblong; flowers-orange, yellow; fruits-pod, compressed and transversely septate.

Fl. & Fr.: Jul.-Apr.  LO: Khapariya

Eth. Uses: Wounds

Proc:
- Paste of leaf and flower bud are applied on wounds.

*C. sophera* Linn.

LN: Kasonda  HS: 591 RS

Des: Shrub; leaves-pinnately compound, leaflets in pairs;
flowers-axillary corymbose, yellow; fruits-pod; seeds-compressed black.

Fl. & Fr.: Aug.-Jan. LO: Delbadi
Eth. Uses: Ringworm
Proc: - Seed paste is applied on ringworm.

*C. tora* Linn.

LN: Powar HS: 587 RS
Des: Herb; leaves-pinnately compound; flowers-terminal racemes, yellow in colours.

Fl. & Fr.: Sept.-Feb. LO: Magargha pipaliya
Eth. Uses: Eczema, Eye trouble
Proc: - Paste of leaves is applied against eczema.
- Leaves and seeds decoction is used externally in blood spot eye.

*Caesalpinia bonducella* (Linn.) Roxb.

LN: Gateran HS: 605 RS
Des: Shrub; leaves-elliptic, oblong; flowers-racemes, yellow in colour; fruits-pods.

Fl. & Fr.: Jan.-Jun. LO: Jaitpur
Eth. Uses: Stomach pain, Boils
Proc: - Burnt seeds are mixed with raw sugar (gud) and taken to got relief from stomach pain.
- Paste of leaves is applied on boils.

*Hardwickia binata* Roxb.

LN: Anjan HS: 578 RS
Des: Large tree; leaves-alternate, leaflets sessile, two, obtuse, 3 to 6 nerved from the base, obliquely ovate; flowers-
greenish yellow, axillary and terminal racemes forming a penicle; fruits-pod, flat, oblong.

Fl. & Fr. : Nov.-Jun. 
Eth. Uses : Antidote 
Proc : -Ash of dry leaves in castor oil, applied over the bitten area.

Tamarindus indica Linn.

LN : Imli 
Des : Tree; leaves-pinnately compound, leaflets opposite, linear oblong, obtuse, minute stipules; flowers racemes, yellow in colour; fruits-pods.

Fl. & Fr. : Jan.-Dec. 
Plate : 6 
Eth. Uses : Dyspepsia 
Proc : -Decoction of leaves mixed with common salt (3:2) as cure for dyspepsia.

CARICACEAE

Carica papaya Linn.

LN : Papeeta 
Des : Small tree; stem with leaf scars; leaves-long petioles. palmately lobed; flowers-axillary panicles, unisexual; fruits-berries, yellow when ripe; seeds-black, thinly arilate.

Fl. & Fr. : Throughout the year 
Eth. Uses : Bone fracture, Jaundice 
Proc : - Paste of leaves is used as a plaste for healing bone fracture.
- Fruit paste is taken as cure for jaundice.

CACTACEAE

*Opuntia elatior* Mill.

**LN:** Nagphani  
**HS:** 670 RS  
**Des:** Shrub; phylloclades obovate, pale green, jointed; flowers-yellow in colour; fruits-pear shaped.  
**Fl. & Fr.:** Aug.-Nov.  
**LO:** Jawara  
**Eth. Uses:** Whooping cough  
**Proc:** -Decoction of green fruits with paste of ginger (3:2) is given to children as cure for whooping cough.

CAPARIDACEAE

*Capparis sepiaría* Linn. Syst.

**LN:** Katan  
**HS:** 518 RS  
**Des:** Large shrub; leaves-elliptic or ovate-lanceolate, acute to obtuse; flowers-white, small, terminal subsessile umbel; fruits-a globose berry; seeds-one, black when ripe.  
**Fl. & Fr.:** Feb.-Jun.  
**LO:** Dhunwani  
**Eth. Uses:** Scabies  
**Proc:** -Root bark is made into paste in water and applied on scabies.

CANNACEAE

*Canna indica* Linn.

**LN:** Keli  
**HS:** 653 RS  
**Des:** Herb; leaves-alternate, simple, linear, lanceolate; flowers-
panicled cymes, red and yellow in colours.

**Fl. & Fr.**: Jul.-Feb.  
**LO**: Barkhera

**Eth. Uses**: Fever, Dropsy

**Proc**: Paste of root is given as a demulcent and stimulant, used as a diaphoetic in fever and dropsy.

**CELASTRACEAE**

*Celastrus paniculatus* Willd.

**LN**: Malkangni  
**HS**: 673 RS

**Des**: Climber with pendulous branches; leaves-alternate, glabrous, ovate, broadly elliptic, lateral nerves 4-6 pairs; flowers-yellowish-green, unisexual; seeds-black, enclosed in a red aril.

**Fl. & Fr.**: Apr.-Nov.  
**LO**: Neelgard

**Eth. Uses**: Epilepsy

**Proc**: Paste of root mixed with jaggery is given for epilepsy.

*Gymnosporia montana* (Roth.) Benth.

**LN**: Baikal  
**HS**: 644 RS

**Des**: Shrub; with thorns often bearing leaves and flowers; flowers-cymes; fruits-capsule.

**Fl. & Fr.**: Nov.-Jun.  
**LO**: Jaitpur

**Eth. Uses**: Mouth sore

**Proc**: Leaves are chewed in case of mouth sore.

*Elaeodendron glaucum* Pers.

**LN**: Jamrasi  
**HS**: 599 RS

**Des**: Tree; leaves-glabrous, elliptic acute or acuminate, often
twisted at the apex; flowers-numerous, small, axillary, dichotomously branched cymes; fruits-drupe, ovoid, one celled, one seeded, tipped with the persistent style.

Fl. & Fr. : Feb.-Jun.  LO : Panzire
Eth. Uses : Scabies
Proc : -Paste of stem bark, prepares in water, is applied on the skin.

CHENOPODIACEAE

Chenopodium album Linn.

LN : Bathua  HS : 661
Des : Herb; leaves-elliptic oblong, entire; flowers-green in colour, terminal, leafy, paniculate clusters; fruits-utricles, membranous.
Fl. & Fr. : Apr.-Jun.  LO : Dhunwani
Plate : 6  Fig. : 13
Eth. Uses : Anthelmintic
Proc : -Whole plant is used against anthelmintic.

COMBRETACEAE

Anogeissus latifolia ( Roxb. ex DC.) Wall. ex Guill. & Perr.

LN : Dhaura  HS : 571 RS
Des : Tree; leaves-alternate or sub-opposite, ovate or ovate lanceolate, apex obtuse or emarginate, glabrous when ripe; flowers-sessile, small, in-globose heads, peduncle slender, yellowish; fruits-dry drup.
Fl. & Fr. : May-Dec.  LO : Dhunwani
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Eth. Uses : Cough, Headache
Proc : - Paste of the stem bark mixed with pepper is used in dry cough.
       - Dried stem bark powder mixed in hot water and made into a paste is applied on head for relieve headache.

*A. pendula* Edgew.
LN : Kardhai  HS : 586 RS
Des : Gregarious tree with pubescent branches and young parts; leaves- variable, ovate to elliptic.
Fl. & Fr. : May-Dec.  LO : Jaitpur
Eth. Uses : Urinary diseases
Proc : -Wood is used medicinally in urinary diseases.

*Terminalia arjuna* (Roxb. ex DC.) Wt. & Arn.
LN : Arjun  HS : 566 RS
Des : Tree; leaves-alternate, simple with two glands at the base; flowers-axillary, spikes; fruits-drupes, ovoid, 2 to 3 winged; seeds-stony, solitary.
Fl. & Fr. : May-Apr.  LO : Karmoda
Eth. Uses : Anaemia
Proc : -Decoction of stem bark mixed with honey (3:2) is given to womens in anaemia.

*T. bellirica* (Gaertn.) Roxb.
LN : Bahera  HS : 539 RS
Des : Tree; leaves-alternate, simple, elliptic, obovate; flowers-axillary spikes, greenish yellow in colours.
Fl & Fr.: Apr.–Feb.    LO: Karmoda
Eth. Uses: Leucoderma

Proc: -Paste of stem bark (2 gm.) is given as cure for leucoderma.

_T. chebula_ (Gaertn.) Retz. C.B.

LN: Harra    HS: 546 RS
Des: Tree; leaves-alternate, simple, hairy, elliptic, oblong; flowers spikes, dull white; fruits-drupes.

Fl. & Fr.: Nov.–Feb.    LO: Kairichouka
Eth. Uses: Dysentery
Proc: -Decoction of fruits pulp mixed with common salt is given to patients as cure for dysentery.


LN: Saja    HS: 647 RS
Des: Tree; leaves-coriaceous, oblong to obovate, entire, emarginate, with 1 to 2 glands near the base of the midrib, acute or rounded; flowers- either before or together with the leaves, bisexual, sessile, dully yellow; fruits-5 winged.

Fl. & Fr.: Apr.–Apr.    LO: Neelgard
Eth. Uses: Vomiting
Proc: -Two three leaves from fresh twig are made into paste, which is given three times in a day for one day in vomiting.
COMMELINACEAE

Commelina benghalensis Linn.

LN: Kankaaua  HS: 513 RS

Des: Herb with underground naked stems, white fertile flowers; leaves -often asymmetrical at base; flowers- blue; fruits- capsule.

Fl. & Fr.: Aug.-Jan.  LO: Jouendra

Eth. Uses: Eye drop

Proc: -Root decoction is warmed with camphor and used as eye drop.

CONVOLVULACEAE

Evolvulus alsinoides Linn.

LN: Sankhpushpi  HS: 510 RS

Des: Herb; stem with woody rootstock; leaves-elliptic hairy; flowers solitary, light blue or white.

Fl. & Fr.: Aug.-Mar.  LO: Jaitpur

Eth. Uses: Asthma, Redness of eye

Proc: - The leaves are smoked in the form of bidi against asthma.

- Juice of leaves is dropped into the eye, in redness of eye.

Rivea hypocrateiformis (Desr.) Choisy

LN: Phang  HS: 672 RS

Des: Climber; leaves-cordate, covered with appressed silky hairs; flowers - axillary and terminal cymes; fruits-
capsule; seeds-black.

**Fl. & Fr.** : Aug.-Dec.  
**Eth. Uses** : Poisonous stings  
**Proc** : -Root pounded in water is applied on poisonous stings.

*Argyreia nervosa* (Burm.f.) Bojer

**LN** : Ghabel  
**HS** : 620 RS  
**Des** : Climber; leaves-alternate, simple, ovate, white tomentose beneath; flowers-cymes, funnel shaped, purple in colour; fruits-dry berries.

**Fl. & Fr.** : Jun.-Jan.  
**Eth. Uses** : Small pox  
**Proc** : -Leaves paste is applied on small pox.

**CRASSULACEAE**

*Bryophyllum calycinum* Salisb.

**LN** : Pattharchatta  
**HS** : 595 RS  
**Des** : Herb; leaves-succulent, compound, margin crenate or serrate; flowers-panicles, red.

**Fl. & Fr.** : Oct.-Jan.  
**Eth. Uses** : Kidney stone, Piles  
**Proc** : - One leaf is eaten twice in a day after meals in the morning and evening till relief in kidney stone problem.  
- Green leaves are eaten for the treatment of piles.
CUSCUTACEAE

*Cuscuta reflexa* Lamk.

**LN:** Amarbel  
**Des:** Parasitic climbers; stem-thread like, pale yellow; flowers-dense fascicles; green, campanulate; fruite-capsuler.

**Fl. & Fr.:** Jul.-Nov.  
**Plate:** 6  
**Eth. Uses:** Cough, Leucoderma.

**Proc:** - Whole plant added with tulsi and gur given orally in cough.  
- Plant extract is used in leucoderma.

CUCURBITACEAE


**LN:** Kanduri  
**Des:** Perennial, twining, much branched, scabrous or smooth shrub; leaves-palmately, 5 nerved from a cordate base, petiolate, 3-5 angled; flowers-peduncles one flowered, subiliiform; fruits-fusiform ellipsoid

**Fl. & Fr.:** Jul.-Dec.  
**Eth. Uses:** Diabetes

**Proc:** - Powder of dried leaves (2 teaspoons) is taken twice in a day as cure for diabetes.
CYPERACEAE

*Cyperus rotundus* Linn.

**LN:** Motha  
**HS:** 592 RS  
**Des:** Tufted tuberous herbs; leaves-flat, scabrous with brown sheaths, linear, lanceolate; fruits-nuts, obovoid.  
**Fl. & Fr.:** May-Jul.  
**LO:** Panzire  
**Eth. Uses:** Indigestion  
**Proc:** -They chewed fresh leaves against indigestion.

DIOSCOREACEAE

*Dioscorea bulbifera* Linn.

**LN:** Ratalu  
**HS:** 617 RS  
**Des:** Climbing perennial herb; stem-unarmed and twining to the left; leaves-opposite or alternate, simple, ovate, cordate, acuminate, membranous; flowers-axillary, fascicled spikes; fruits-capsules; seeds-winged at the lower side.  
**Fl. & Fr.:** Aug.-Oct.  
**LO:** Dantkho  
**Eth. Uses:** Ulcer, Dysentery.  
**Proc:** -Powder of dried tubers mixed with water and applied in ulcer and dysentery.

EBENACEAE

*Diospyros melanoxylon* Roxb.

**LN:** Tendu  
**HS:** 630 RS  
**Des:** Tree; leaves-alternate, simple, oblong, obtuse; flowers-
axillary cymes; fruits-berries, yellow when ripe.

Fl. & Fr. : Apr.-Mar.                                      LO : Panzire
Eth. Uses : Skin diseases, Diarrhoea

Proc : - Decoction of stem bark is applied on skin diseases.
       - Decoction of stem bark (2 gm.) is taken orally in diarrhoea.

_D. montana_ Roxb. Var. _cordifolia_ Hiem.

LN : Bistendu                                      HS : 635 RS
Des : Tree; leaves-alternate, simple, ovate oblong; flowers-unisexual tubular cymate fleshy, whitish grey.

Fl. & Fr. : Mar.-Feb.                                      LO : Ziribahera
Eth. Uses : Dysentery, Boils

Proc : - About 15ml. decoction of stem bark is taken as cure for dysentery.
       - Decoction of leaves is used tropically in boils.

**EUPHORBIACEAE**

_Euphorbia thymifolia_ Linn.

LN : Choti dudhi                                      HS : 621 RS
Des : Annual herb; stem-generally pink; hispid; leaves-opposite, simple elliptic; flowers-invoucres in abbreviated racemes.

Fl. & Fr. : Through out the year                      LO : Bourda

Proc : - Approximate 15 ml. decoction of root is given to women for the treatment of amenorrhoea.
       - Whole plant is useful in blood dysentery.
E. antiquarum Linn.

LN : Tredhara          HS : 594 RS
Des : Leafless, much branched shrub; stem with milky latex and prominently 3 winged, stipular, spines 2; flowers-involucres, cymes, central male and lateral bisexual; fruits-capsules; seeds-cocci.

Eth. Uses : Wounds
Proc : Paste of stem is applied as balm for burn wounds of skin.

Jatropha curcas Linn.

LN : Safed arandi       HS : 588 RS
Des : Large shrub; stem-soft wooded with latex, leaves-alternate, palmately lobed; flowers-cymes, yellowish green; fruits-capsules, triangular.

Eth. Uses : Mouth sore, Eczema
Proc : - Latex mixed with lemon juice (2:1) is taken for washing mouth sore.
- 2ml. latex mixed with 2 gm. of leaves paste is used for treatment of eczema.

Ricinus communis Linn.

LN : Arandi            HS : 631 RS
Des : Shrub; leaves-alternate, simple, palmately lobed; flowers-spikes, unisexual; fruits-prickly capsules.

Fl. & Fr. : Mar.-Aug.   LO : Bumnai
Plate : 7              Fig. : 15
Eth. Uses: Burn wounds. Abortion

Proc:
- Seeds oil is applied as cure for burn wounds.
- The root paste about 10-15gm. of at least three years old plant is taken in the morning for three days for abortion.

*Emblica officinalis* Gaertn. f.

**LN:** Amla  
**Des:** Large deciduous tree; leaves-pinnately compound, pinnately oblong; flowers-unisexual, green; fruits-berries.

**Fl. & Fr.:** Nov.-Aug.  
**LO:** Karmoda

**Plate:** 7  
**Fig.:** 16

Eth. Uses: Jaundice, Cuts

Proc:
- Paste of root mixed with fresh fruits is given as cure for jaundice.
- Poultice of fruits is useful to stop bleeding from cuts.

**FLACOURTIACEAE**

*Flacourtia ramontchii* Herit.

**LN:** Kanker  
**Des:** Small tree; leaves-very variable, glabrous, ovate, obovate or elliptic, acute or acuminate; flowers- small axillary, racemose clusters shorter then the leaves; fruits-dark purple or black berry; seeds-8 to 16.

**Fl. & Fr.:** Jan.-Jun.  
**LO:** Jaitpur

Eth. Uses: Skin diseases, Rheumatism

Proc:
- Root paste is applied externally in skin diseases.
- Seeds are made into paste and given in rheumatism.
FUMARIACEAE

Fumaria indica Hussk.

LN : Pit Papra  
HS : 637 RS  
Des : Annual glaucous weed; leaves-simple decompound, alternate, exstipulate, lobes linear, opposite; flowers-bracteate, rosy-purplish, spurred laterally; fruits-globose, indehiscent, one seeded capsules.

Fl. & Fr. : Dec.-Mar.  
LO : Bhutallaasi  
Eth. Uses : Fever  
Proc : -Decoction of plant (2 teaspoons) is given twice in a day as cure for fever.

LILIACEAE

Chlorophytum tuberosum (Roxb.) Baker.

LN : Safed musli  
HS : 597 RS  
Des : Herb; with tuberous roots; leaves-radical, crowded at the base; flowers-racemes; fruits-capsule; seeds-orbicular flat.

Fl. & Fr. : Jun.-Aug.  
LO : Joundra  

Proc : - Dried roots powder is boiled with a glass of milk and taken daily at night for a month as a health tonic.

- Roots are eaten with sugar to reduce stomach pain.

Asparagus racemosus Willd.

LN : Satawar  
HS : 607 RS  
Des : Climbing herb; leaves-lanceolate, leaf apex turned into tendril; flowers-lax racemes; fruits-capsules; seeds-round black.
Fl. & Fr.: Jul.-Nov. LO: Mathar
Eth. Uses: Rheumatism
Proc: -Roots and leaves pounded in water and is applied on the swelling of rheumatism.

LAMIACEAE

Ocimum basilicum Linn.
LN: Maruadona HS: 623 RS
Des: Herb; leaves-opposite, simple, ovate, glandular; flowers-racemes, white or purple in colours; fruits-nutlets.
Fl. & Fr.: Sept.-Apr. LO: Lulka
Plate: 7 Fig.: 17
Eth. Uses: Ringworm, Earache
Proc: -Leaves paste mixed with common salt (2:1) is applied on ringworm
-Leaf juice as dropped in to ear for earache.

O. sanctum Linn.
LN: Tulsi HS: 610 RS
Des: Shrub; leaves-opposite simple, lanceolate, scented; flowers-racemes purplish or white fruits-nutlets, black.
Fl. & Fr.: Through out the year LO: Dantkho and Lulka
Proc: - Juice of leaves mixed with common salt and heneeg in ratio 5:3:2, is given to children for the treatment of cough and cold.
- Paste of leaves is applied on head for relief of headache.
LORANTHACEAE

*Dendrophthoe falcata* Linn. f.

**LN:** Banda  
**HS:** 590 RS  
**Des:** Partial parasite glabrous shrub; leaves-opposite or alternate, leathery, young leaves pink; flowers-orange, pink or sometimes white in short axillary racemes on leafless nodes; fruits-oviod-oblong berry, black when ripe.  
**Fl. & Fr.:** Dec.-May  
**LO:** Bumnai  
**Eth. Uses:** Wounds, Menstrual disorder  
**Proc:** - The stem bark is astringed and used to treatment of wounds and menstrual disorders.

LYTHRACEAE

*Lawsonia inermis* Linn.

**LN:** Mehndi  
**HS:** 535 RS  
**Des:** Shrub; leaves-ovate; flowers-terminal panicles; fruits-capsules.  
**Fl. & Fr.:** Apr.-Aug.  
**LO:** Pipaliyakala  
**Plate:** 7  
**Fig.:** 18  
**Eth. Uses:** Jaundice  
**Proc:** - Root and leaf powder mixed with milk and given as cure for jaundice.

*Lagerstroemia parviflora* Roxb.

**LN:** Lendia  
**HS:** 532 RS  
**Des:** Tree with ash-coloured smooth bark; leaves-opposite, shortly stalked, elliptic, oboblong, acute; flowers-
axillary, terminal panicles; fruits-capsules; seeds-with terminal winged.

Fl. & Fr. : Mar.-Jul.    LO : Pipaliyakala
Eth. Uses : Lactation problem
Proc : - Stem bark (2 gm.) is taken twice in a day as cure for lactation problem.

Woodfordia fruticosa (Linn.) Kurz.
LN : Dhawai    HS : 541 RS
Des : Shrub; leaves-lanceolate, opposite, acute, light green, grey pubescent beneath; flowers-axillary panicked cymes; fruits-capsule; seeds-brown
Fl. & Fr. : Jan.-May    LO : Delbadi
Eth. Uses : Seminal weakness, Burns
Proc : - They take decoction of flowers with honey against seminal weakness.
       - Flowers powder mixed with coconut oil is applied externally over burns.

MAGNOLIACEAE

Michelia champaca Linn.
LN : Champa    HS : 569 RS
Des : Evergreen tree; leaves-oblung, lanceolate, acute, entire glabrous above and more or less pubescent beneath; flowers-solitary, axillary, enclosed in bud by a greyish yellow pubescent; seeds-1 to 12, brown polished, rounded on the back.
Fl. & Fr. : Mar.-Jun.    LO : Lulka

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Eth. Uses: Eye diseases
Proc: -Leaves decoction is used to cure eye diseases.

MALVACEAE

_Hibiscus rosa-sinensis_ Linn.

LN: Gurhal  
HS: 545 RS
Des: Shrub; leaves-alternate, simple, lanceolate; flowers-
      axillary racemose big, tubular, reddish in colour.
Fl. & Fr.: Through out the year.  
LO: Delbadi
Eth. Uses: Fever
Proc: -Decoction of root is given to children as cure for fever.

_Sida spinosa_ Linn.

LN: Bala  
HS: 618 RS
Des: Woody herb; leaves-alternate, simple, ovate, oblong,
      pubescent; flowers- axillary fascicles, white in colour.
Fl. & Fr.: Jan.-Sept.  
LO: Dantkho
Eth. Uses: Eye sore
Proc: -Root paste mixed with honey (1:1) is given for the
      treatment of eye sore.

HS: 660
LN: Banpeepal  
LO: Neelgard
Des: Tree with crooked stem; leaves-broadly ovate, cordate,
      acuminate smooth, long petioled, stipule subulate;
      flowers-large, yellow, bell shaped, axillary, bracteoles
      lanceolate; fruits-capsules.
Fl. & Fr.: Through out the year.  
LO: Mathar
Eth. Uses: Skin diseases
Proc: - Fatty oil obtained from seeds, is used in skin diseases.

_Urena lobata_ Linn.
LN: Van bhindi HS: 606 RS
Des: Shrub; stem-stellate hairy; leaves-simple, palmately lobed, cordate flowers-axillary racemes, pink in colour; fruits-cocci; seeds-reniform.
Fl. & Fr.: Through out the year LO: Karmoda
Eth. Uses: Septic wounds.
Proc: - Paste of leaves is applied on septic wounds.

_Abelmoschus moschatus_ (Linn.) Medic.
LN: Muskdana HS: 633 RS
Des: Hispid undershrub; leaves-palmately lobed; flowers-solitary, axillary; fruits-capsules; seeds-reniform.
Fl. & Fr.: Aug.-Nov. LO: Lulka
Eth. Uses: Rheumatism, Male sterility
Proc: - Root paste is applied on rheumatism.
- young fresh fruits is eaten on empty stomach in the morning for one month in the treatment of male sterility.

_Abutilon indicum_ (Linn.) Sweet. _Syn. A. asiaticum_ (Linn.) Sweet.
LN: Kanghi HS: 568 RS
Des: Tomentose undershrub with petioled dentate leaves; flowers-axillary, solitary, yellow; fruits-capsules, hairy; seeds-reniform.
Fl. & Fr.: Aug.-Oct. LO: Ziribahera
Eth. Uses: Boils, Leprosy, Piles
Proc:  
- Paste of leaves is applied on boils.
- The root paste is applied on leprosy.
- Powder of leaves is given orally in piles.

*Kydia calycina* Roxb.

LN: Barga  
HS: 572 RS

Des: Tree; leaves-palmately 7 nerved, cordate, 3 to 7 lobed, tomentose beneath; flowers-pure white or pink, polygamous in axillary or terminal large panicles; fruits-capsules; seeds-reniform, furrowed.

LO: Neelgard

Eth. Uses: Skin diseases

Proc: - Leaves slightly warmed with coconut oil and tied on infected part of skin.

MELIACEAE

*Azadirachta indica* A. Juss.

LN: Neem  
HS: 515 RS

Des: Tree; leaves-alternate, pinnately compound; flowers-axillary panicles, white; fruits-drupes; seeds-pendulous.

Fl. & Fr.: Mar.-Sept.  
LO: Binekakho

Eth. Uses: Skin diseases, Leprosy

Proc: - Seeds oil is applied for the treatment of skin diseases.
- Oil of seeds is effective in the treatment of leprosy.

*Chloroxylon swietenia* DC.

LN: Behra  
HS: 657 RS

Des: Small or middle sized tree; leaves-alternate, oblong,
obtuse, glabrous, unequal sided; flowers-terminal or axillary panicles which are shorter than the leaves, bract minute, caducous, pubescent; fruits-capsules, oblong, acute, glabrous; seeds-brown, angular with broad wing at the end.

Fl. & Fr.: Mar.-Jun.  LO: Jaitpur

Eth. Uses: Ulcer, Skin diseases

Proc:
- Leaves are crushed and warmed and are applied to cure ulcer.
- Dried stem bark powder mixed with sesam oil and paste used in skin diseases.

*Melia azedarach* Linn.

LN: Bakain  HS: 626 RS

Des: Tree; leaves-tripinnate, opposite, ovate or lanceolate, serrate or entire, acuminate, base more or less oblique; flowers-honey scented, in long penduncled axillary panicles which are shorter than the leaves; fruits-drupe, more or less dry, yellow and wrinkled when ripe.

Fl. & Fr.: Mar.-Jul.  LO: Jaitpur

Eth. Uses: Diarrhoea

Proc: - Leaves paste is used against diarrhoea.

**MENISPERMACEAE**

*Tinospora cordifolia* (Burm. f.) Wall. ex Nees.

LN: Gurbel  HS: 565 RS

Des: Climber; leaves-opposite, simple, lanceolate; flowers-axillary and terminal racemes, bilobed, white rosy;
fruits-capsules, linear, oblong, compressed.

Fl. & Fr. : Sept.-May LO : Neelgard
Plate : 8 Fig. : 19
Eth. Uses : Fever, Rheumatism
Proc : -Plant decoction is given in the treatment of fever.
- Paste of stem bark is applied locally with castor oil against rheumatism.

*Menispermum hirsutum* Linn.

LN : Tildhara HS : 648 RS
Des : Climber; leaves-3 to 5 nerved, irregular, ovate-oblong, sub deltoid, obtuse, subacute, subcordate; flowers-minute pubescent, unisexual, petals 6, membranous, obovate; seeds-drupe.
Fl. & Fr. : Nov.-Apr. LO : Jaitpur
Eth. Uses : Eye trouble
Proc : -Leaves are used as cure of eye troubles.

*Cocculus hirsutus* Linn. Diels Syn. *C. villosus* (Lamk.) DC.

LN : Jamti ke bel HS : 524 RS
Des : Climbing undershrub; leaves-deltoid to ovate-oblong; flowers-dirty white; fruits-black.
Fl. & Fr. : Nov.-Mar. LO : Ziri bahera
Eth. Uses : Conjunctivitis, Cholera
Proc : - Fresh juice of leaves, droped into eyes, 2-3 times in a day as cure for conjunctivitis.
- Decoction of leaves as taken twice in a day against cholera.
MIMOSACEAE

Acacia farnesiana (Linn.) Willd.

LN : Ghandha babul  
HS : 656 RS  
Des : Tree; leaves-pinnately compound; flowers-heads, bright yellow in colour; fruits-pods, cylindrical, pulpy; seeds-black.  
Fl. & Fr. : Jan.-Sept.  
LO : Dhunwani  
Eth. Uses : Fever  
Proc : -Decoction of stem bark is given for the treatment of fever.

A. nilotica (Linn.) Willd. ex Delile.

LN : Babool  
HS : 522 RS  
Des : Minimum sized tree with stipular spines; leaves-pinnately compound; flowers-axillary heads, yellow in colour.  
Fl. & Fr. : Aug.-Apr.  
LO : Naasipur  
Plate : 8  
Fig. : 20  
Eth. Uses : Tongue sore, Ulcer, Diarrhoea  
Proc : - Fresh leaves is chewed as cure for tongue sore.  
- The stem bark is used as poultice in ulcer.  
- The leaves are warm out and given orally in diarrhoea.

A. catechu (Linn. f) Willd.

LN : Khair  
HS : 508 RS  
Des : Middle sized tree; stem-spines paired, black bark; leaves-pinnately compound, leaflets paired; flowers-spikes, small,white; fruits-pods, long; seeds-dark brown.
Fl. & Fr.: Jun.-Sept.  LO: Ziribahera

Eth. Uses: Night blindness, Diarrhoea

Proc: - Paste of leaves is taken thrice in a day as cure for night blindness.
      - Bark of stem is used against diarrhoea.

*Albizia lebbeck* (Linn.) Benth.

LN: Siris  HS: 659 RS

Des: Tree; stem-pale bark; leaves-pinnately compound; flowers-panicles, yellowish white in colours, brush like; fruits-pods, flat.

Fl. & Fr.: Mar.-Jan.  LO: Neelgard

Eth. Uses: Swelling, Night blindness, Boils

Proc: - Paste of stem bark is applied on swelling of legs.
      - Leaves juice is poured in eye in night blindness.
      - Poultice of flowers is used externally to boils.

*A. procera* (Roxb.) Benth.

LN: Safed siris  HS: 521RS

Des: Tree; leaves-pinnately compound, glands at the base; flowers-terminal panicles, yellowish white; fruits-pods, glabrous.

Fl. & Fr.: Aug.-May  LO: Lulka

Eth. Uses: Septic wounds

Proc: - Decoction of stem bark is applied on septic wounds.

*Mimosa pudica* Linn.

LN: Lajwanti  HS: 525 RS

Des: Undershrub; leaves-alternate, pinnately compound,
sensitive; flowers-heads, pink; fruits-pods; seeds-flat.

**Fl. & Fr. :** Through out the year  **LO :** Panzire

**Eth. Uses :** Leucoderma

**Proc :** -Paste of stem bark mixed with Karanja

*(Pongamia pinnata)* seeds oil (2:1) is given in the treatment of leucoderma.

*Pithecellobium dulce* (Roxb.) Benth.

**LN :** Jangli zalebi  **HS :** 602 RS  

**Des :** A moderately large tree with small stipular spines persistent on the trunk; leaves-twice pinnate, pinnae 2, leaflets 2, obovate; flowers- yellowish-white, axillary heads forming terminal panicles; fruits-pod.

**Fl. & Fr. :** Jan.-Aug.  **LO :** Jaitpur

**Eth. Uses :** Fever, Diabetes

**Proc :** -Powder of stem bark mixed with honey is given for orally in the treatment of fever and seeds are useful in diabetes.

**MORACEAE**

*Ficus racemosa* Linn.

**LN :** Umar  **HS :** 604 RS  

**Des :** Deciduous tree; leaves-alternate, simple, elliptic lanceolate; flowers-short, pedunculate, male, female and gall flowers together in one receptacles; fruits-hypanthodium, reddish when ripe.

**Fl. & Fr. :** Through out the year  **LO :** Bourda

**Eth. Uses :** Small pox
Proc: Leaves decoction mixed with cow milk and honey in ratio 3:2:2 is even for the treatment of small pox.

*F. religiosa* Linn.

**LN**: Peepal  
**HS**: 651RS  
**Des**: Glabrous tree; leaves-alternate, simple, apex tailed; flowers-axillary; fruits-sessile, paires, smooth depressed globose, dark purple when ripe.  
**Fl. & Fr.**: Mar.-May  
**Eth. Uses**: Mouth sore, Dropsy  
**Proc**: - Decoction of stem bark is used for wash of mouth sore.  
- Decoction of leaves and stem bark is used in dropsy.

*F. carica* Linn.

**LN**: Anjir  
**HS**: 516 RS  
**Des**: Small tree; leaves-deltoid, cordate at base; flowers-receptacles, axillary, male receptacles apple shaped, female receptacles pyriform on short penduncles.  
**Fl. & Fr.**: May-Oct.  
**Eth. Uses**: Diabetes  
**Proc**: - Fruits is taken in diabetes.

*Morus alba* Poir.

**LN**: Sahtoot  
**HS**: 519 RS  
**Des**: A large shrub or deciduous tree; leaves-ovate, lanceolate, coarsely serrate; flowers-male flowers in lax spikes, female spikes short, ovoid with obovate; fruits dark purple when ripe.  
**Fl. & Fr.**: Mar.-May  
**LO**: Jaitpur
Eth. Uses: Dysentery, Body pain
Proc: - Tender leaves are crushed and used for curing
dysentery.
- Milky juice of the plant is given for reducing the body
pain.

MORINGACEAE

*Moringa oleifera* Lamk.
LN: Munga  HS: 511RS
Des: Tree; leaves-alternate, pinnately compound; flowers-
axillary penicles, white in colour; fruits-pods, cylindrical;
seeds-triangled winged.
Fl. & Fr.: Jan.-Jun.  LO: Bourda
Plate: 8  Fig.: 21
Eth. Uses: Cholera, Eczema
Proc: - Decoction of stem bark mixed with common salt (3:1)
is given for the treatment of cholera.
- Leaves are given in eczema.

MYRTACEAE

*Syzygium cumini* (Linn.) Skeels.
LN: Jamun  HS: 517 RS
Des: Tree; leaves-alternate, simple; flowers-paniculate cymes,
whiteish, fragment; fruits-juicy, berries, black when ripe.
Fl. & Fr.: Apr.-Jul.  LO: Jaitpur
Eth. Uses: Diabetes, Diarrhoea, Dysentery
Proc: - Dried seeds powder is taken early in the morning in
empty stomach as cure for diabetes.
- Decoction of stem bark and seeds is useful in diarrhoea and dysentery.

**NAUCLEACEAE**

*Anthocepalus indicus* Miq.

**LN:** Kadamba  
**HS:** 557 RS

**Des:** Deciduous tree; leaves-opposite, variable in size and shape; flowers-fragment in large glabular, heads, terminal, pinkish brown to pink in colours.

**Fl. & Fr.:** May-Oct.  
**LO:** Mathar

**Plate:** 9  
**Fig.:** 22

**Eth. Uses:** Stomach pain, Fever

**Proc:**
- Leaves juice with common salt is taken in the treatment of stomach pain.
- Decoction of stem bark is taken twice in a day for 3 days in the treatment of fever.

**OLEACEAE**

*Jasminum sambac* Linn.

**LN:** Mogra  
**HS:** 581RS

**Des:** Shrub; leaves-simple, opposite; flowers-terminal fragment; fruits-berries.

**Fl. & Fr.:** Apr.-Oct.  
**LO:** Karmoda

**Eth. Uses:** Ulcer

**Proc:**
- Dried leaves soaked in water and made into poultice are used in ulcer.
PAPILIONACEAE

*Butea superba* Roxb.

**LN:** Palas bel  
**HS:** 584 RS  
**Des:** Climber; leaves-pinnately compound; flowers-fascicles on racemes, orange; fruits-pods; seeds-compressed.  
**Fl. & Fr.:** Mar.-Apr.  
**LO:** Dhinwani and Lulka  
**Eth. Uses:** Sunstroke  
**Proc:** -Flowers are rubbed to avoid sunstroke.

*B. monosperma* Lam.

**LN:** Palas  
**HS:** 583 RS  
**Des:** Medium sized tree; leaves-pinnately trifoliolate, leaflets coriaceous, obovate, pubescent; flowers-dense fascicles, recemose, orange in colour; fruits-pods, long.  
**Fl. & Fr.:** Feb.-Jul.  
**LO:** Mandawa rampura  
**Plate:** 9  
**Fig.:** 25  
**Eth. Uses:** Night blindness, Diarrhoea  
**Proc:** -Root decoction mixed with hen’s egg (1:1) is given to children for the treatment of night blindness.  
- Red gum is used in the treatment of diarrhoea.

*Desmodium gangeticum* (Linn.) DC.

**LN:** Sharparni  
**HS:** 577 RS  
**Des:** A slender suberect herb; leaves-petioles 2 cm. long, stipules scarious, leaflets ovate and acute; flowers-small, white or violet, terminal or axillary racemes; fruits-pods.  
**Fl. & Fr.:** Apr.-Jul.  
**LO:** Dantkho  
**Eth. Uses:** Dysentery
Proc: -Plant decoction (about 15 ml.) is given for the treatment of dysentery.

*D. triflorum* (Linn.) DC.

LN: Kudalia
HS: 634 RS

Des: A slender procumbent and long trailing wiry herb; leaves-small, trifoliolate with obovate truncate or emarginate leaflets; flowers-pink or white small, hairy, 1 to 4 stipules, bracteoles minute; fruits-pods curved.

Fl. & Fr.: Mar.-Jan.
LO: Mathar

Eth. Uses: Cough and Cold

Proc: -Juice of leaves mixed with honey (2:1) is given to children for the treatment of cough and cold.

*Pongamia pinnata* (Linn.) Merre.

LN: Karanja
HS: 580 RS

Des: Tree; leaves-pinnately compound; flowers-axillary racemes violet or pink in colours; fruits-pods.

Fl. & Fr.: Mar.-Jan.
LO: Neelgard

Eth. Uses: Burn wounds, Jaundice

Proc: - Seeds oil is applied on burn wounds.
- 2 to 3 teaspoons of leaves powder is given on empty stomach in jaundice.


LN: Shisham
HS: 585 RS

Des: Deciduous tree; stem-bark grey and downy young parts; leaves-alternate, bifarious, imparipinnate, leaflets 3 to 5, glabrous; flowers- panicle racemes which are much
shorter than the leaves: fruitspods.

**Fl. & Fr.** : Mar.-Aug.  
**LO** : Panzire  
**Eth. Uses** : Conjunctivitis  
**Proc** : -Pounded leaves are applied on eyes in conjunctivitis.

*Rhynchosia capitata* DC.

**LN** : Papra  
**HS** : 559 RS  
**Des** : Trailing hairy herb; leaves-trifoliolate, leaflets roundish, often variable in shape, minutely gland dotted; flowers-yellow, in 6 to 20 flowered.

**Fl. & Fr.** : Sept.-Nov.  
**LO** : Lulka  
**Eth. Uses** : Abortion  
**Proc** : -The powder of dry leaves is given to womens for the abortion.

*Tephrosia purpurea* (Linn.) Pers.

**LN** : Sarphunka  
**HS** : 563  
**Des** : A much branched sub erect herbaceous perennial; leaves-short petioled, stipules subreflexed, narrowly ob lanceolate, obtuse; flowers red purple or white; fruits-pods, linear; seeds-5 to 6.

**Fl. & Fr.** : Sept.-Nov.  
**LO** : Neelgard  
**Eth. Uses** : Cuts  
**Proc** : -Paste of leaves is applied on cuts to stop bleeding.


**LN** : Gomcha  
**HS** : 629 RS  
**Des** : A slender extensive climbing annual herb; leaves-petiole silky, stipules lanceolate, leaflets ovate, membranous,
green and glabrescent above; fruits-dark purple, large.

**Fl. & Fr. :** Nov.-Feb.  
**LO :** Panzire

**Eth. Uses :** Cough and Cold, Dysentery

**Proc :**  
- Powder of seeds (two teaspoon) is given for the treatment of cough and cold.
- Powder of roots is given in the treatment of dysentery.

*Ougeinia dalbergioides* Benth.

**LN :** Tinsa  
**HS :** 636 RS

**Des :** Medium sizes deciduous tree; leaves-pinnately trifoliolate, stipellate, petiolate, leaflets coraceous, glabrous or downy beneath; fruits-pods, flate; seeds-brown when ripe.

**Fl. & Fr. :** Feb.-Jun.  
**LO :** Dantkho

**Eth. Uses :** Diarrhoea, Cataract

**Proc :**  
- Stem bark juice along with cow’s milk is given two times in a day for 3 days in diarrhoea.
- Juice of stem bark is dropped in the eye for the treatment of cataract two times a day for one month.


**LN :** Bijasal  
**HS :** 560 RS

**Des :** Deciduous tree; leaves-alternate, coriaceous; flowers-yellow in colour, terminal, panicles; fruits-pod.

**Fl. & Fr. :** Jan.-Jun.  
**LO :** Neelgard

**Eth. Uses :** Diabetes, Boils

**Proc :**  
- A glass is made from its wood, water kept over night and is drunk up to 2 months for the treatment of diabetes.
- Fresh stem bark grained, mixed with garlic and pepper and made in to decoction given orally in boils.

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*Abrus precatorius* Linn.

**LN:** Gomchi  
**HS:** 629 RS

**Des:** Twining shrub; leaves- pinnately compound; flowers-racemes, pink (in red seeded plants), white (in white seeded plants); flowers-pod.

**Fl. & Fr.:** Aug.-Feb.  
**LO:** Joundra

**Plate:** 10  
**Fig.:** 26

**Eth. uses:** Swelling, Rheumatism

**Proc:** - Leaves juice mixed with lime water (2:1) is given as cure for swelling of glands.

- Approximate 2 teaspoonful seeds powder is used against rheumatism.

**PLUMBAGINACEAE**

*Plumbago zeylanica* Linn.

**LN:** Chitrak  
**HS:** 612 RS

**Des:** Undershrub; leaves-ovate entire; flowers-racemes combined with leafy panicles, rachis and calyx tubes glandular; fruits-capsules.

**Fl. & Fr.:** Sept.-Feb.  
**LO:** Lulka

**Eth. Uses:** Muscular pain, Abortion

**Proc:** - The root are boiled with milk and given to relieve muscular pain.

- The root made into a paste along with the roots of *Michelia champaca* is given as a single dose daily in the morning for 3 days to induce abortion of 3-4 months old pregnancy.
PUNICACEAE

Punica granatum Linn.

LN : Anar  HS : 614 RS
Des : Glabrous, deciduous large shrub; stem-dark, grey bark; leaves-opposite, oblong, obovate, narrowed to the short petiole, membranous to the short petiole; flowers-sessile, bright red or vermilion-terminal solitary; fruits-globose, fleshy, reddish brown; seeds angled, aril.

Fl. & Fr. : Mar.-Sept.  LO : Neelgard
Plate : 10  Fig. : 27
Eth. Uses : Redness of eyes
Proc : -Paste of the leaves is locally used in eye disease like redness of eyes.

POACEAE

Bambusa arundinacea (Retz.) Willd.

LN : Bans  HS : 613 RS
Des : Grass; leaves-alternate, simple, linear lanceolate; flowers-panicles, spikelets with many flowers.

FL. & Fr. : Oct.-Nov.  LO : Barkhera
Plate : 10  Fig. : 28
Eth. Uses : Acidity, Rheumatism
Proc : - Approximate 10 gm. crystals obtained from internodes called ‘Bansalochani’ is taken as cure for acidity.
- Young shoots are crushed and applied on joints to treatment of rheumatism.
Echinochloa colomum (Linn.) Link.

LN: Shamagash  HS: 573 RS
Des: Annual grass; leaves-linear without ligule, ovate elliptic; flowers-panicles, spikelet hispidulous; fruits-caryopsis.
Fl. & Fr.: Apr.-Jul.  LO: Dhunwani
Eth. Uses: Indigestion
Proc: -Plant juice mixed with common salt (3:1) is taken as the relief of indigestion.

Andropogon martini Roxb.

LN: Ronsaghas  HS: 555 RS
Des: Glabrous herb; leaves-linear, lanceolate; flowers-compound panicle; fruits-caryopsis.
Fl. & Fr.: Sept.-Feb.  LO: Mathar
Eth. Uses: Fever, Rheumatism
Proc: - Decoction of leaves is taken in fever.
- Root paste is applied in rheumatism.

Saccharum officinarum Linn.

LN: Ganna  HS: 558 RS
Des: Tall grass; leaves-long, flat, drooping; flowers-panicles, spikelets generally empty.
Fl. & Fr.: Feb.-Apr.  LO: Joundra
Eth. Uses: Jaundice
Proc: - Stem juice as cooling agent and is taken in jaundice.
RHAMNACEAE

Ventilago denticulata Willd.

LN : Keoti                   HS : 551 RS
Des : Climber; leaves-ovate or elliptic oblong, subacute, crenate serrate or entire, pubescent when young; flowers-small numerous, greenish, terminal panicles; fruits-one seeded.
Fl. & Fr. : Nov.-Apr.       LO : Panzire
Eth. Uses : Skin diseases
Proc : Powder of stem bark mixed with ginger oil is used externally for skin diseases.

Zizyphus xylopyra (Retz.) Willd.

LN : Ghont ber               HS : 552 RS
Des : Deciduous tree; leaves-often mucronate, obliquely subcordate or rounded at the base, glabrous above, brown pubescent beneath; fruits-drupe globose, hard, woody, grey tomentose when young.
Fl. & Fr. : Apr.-Dec.       LO : Neelgard
Eth. Uses : Chest pain
Proc : Stem bark and leaves powder is made into paste applied on chest pain due to cough.

Z. nummularia (Burm.f.) Wt. & Arn.

LN : Kanta-ber               HS : 554 RS
Des : A thorny tomentose tree, branches grey; leaves-small spinous, dentate, densely tomentose beneath, on short petioles; flowers-short axillary compact cymes, pale yellow; fruits-drupe, globose, red or black when ripe.

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Fl. & Fr. : Oct.-Feb.  LO : Joundra
Eth. Uses : Septic wounds
Proc : - Decoction of stem bark with decoction of leaves of Neem (*Azadirachta indica*) 3:2 is applied on the skin for washing septic wounds.

*Z. mauritiana* Lam.

LN : Bcr  HS : 556 RS
Des : A small much branched tree; stem-bark rough, grey or dull black; leaves-rounded at both ends, entire, base 3 nerved; flowers-greenish yellow in short axillary cymes; fruits-drupe, globose, fleshy, smooth, yellow or orange when ripe.

Fl. & Fr. : Sept.-Dec.  LO : Jawara
Plate : 11  Fig. : 29
Eth. Uses : Cuts, Wounds, Boils
Proc : - Paste of young leaves is applied on cuts, wounds and boils.

**Rubiaceae**

*Dentella repens* (Linn.) Forst.

LN : Bedai  HS : 553 RS
Des : Small weed, sub dichotomously branched, branches usually rooting at the nodes; leaves-subsessile, membranous, obovate, petiole short; flowers-mostly solitary, sessile, white; fruits-capsule.

Fl. & Fr. : Sept.-Dec.  LO : Dhunwani
Eth. Uses : Stomach disorder
Proc: - Fruits are used in stomach disorder.

*Gardenia turgida* Roxb.

LN: Phetra          HS: 527 RS
Des: Deciduous tree; leaves-clustered at the end of branches, opposite oblong, obtuse, glabrous above, stipules triangular; flowers-solitary, stamen as many, anthers with only the tips exserted; fruits-large, woody, ovoid; seeds-many.

Fl. & Fr.: Apr.-May LO: Neelgard
Eth. Uses: Bone fracture

Proc: - Root powder with milk given to patients twice in a day up to fore night to a month. It is said to be helpful in fast recovery in bone fracture.

*Ixora arborea* Roxb.

LN: Lokhandi          HS: 526 RS
Des: Large shrub; stem-bark reddish or brown, glabrous; leaves-opposite, elliptic or obovate, oblong, obtuse, short petioled, triangular stipules; flowers-white or pink, fragrant, in terminaltrichotomously branched corymbose panicles; fruits-two seeded, berry.

Fl.: Fr.: May-Dec. LO: Dantkho
Plate: 11 Fig.: 30
Eth. Uses: Anaemia, Skin diseases

Proc: - Decoction of stem bark is taken twice a day up to 10 days in anaemia.
- Wood oil is useful in skin diseases.
RUTACEAE

Aegle marmelos (Linn.) Corr.

LN : Bel  
HS : 531 RS

Des : Thorny deciduous tree; leaves-compound, leaflets ovate lanceolate; flowers-greenish white; fruits-spherical smooth and woody.

Fl. & Fr. : Mar.-Aug.  
LO : Jawara

Plate : 11  
Fig. : 31

Eth. Uses : Skin diseases, Fever

Proc : - Crushed leaves are applied locally to treat skin diseases.
       - Stem bark decoction used orally in intermittent fever.

Feronia limonia (Linn.) Swingle.

LN : Kaith  
HS : 625 RS

Des : Deciduous spiny tree; leaves-smelling anissed; flowers-pale green in colours; fruits-globose with rough greyish woody ring and white sour pulp.

Fl. & Fr. : Feb.-Oct.  
LO : Dantkho

Eth. Uses : Dyspepsia

Proc : -Fruits is taken as cure for dyspepsia.

SAPOTACEAE

Madhuca longifolia (Koenig) Macbride

LN : Mahuwa  
HS : 528 RS

Des : Deciduous tree; leaves-alternate, simple, broadly, elliptic, clustered at the end of the branches; flowers-axillary panicles in dens clusters, white in colour; fruits-berries, fleshy; seeds-stony.
Fl. & Fr.: Jan.-Jun.  
LO: Magargha pipaliya

Eth. Uses: Skin diseases, Rheumatism

Proc: - Seeds oil is applied as cure for skin diseases and rheumatism.

Manilkara hexandra (Roxb.) Dub.
LN: Khirni  
HS: 534 RS
Des: Trees; leaves-ovate; flowers-axillary, solitary; fruits-berries, yellow in colour.
Fl. & Fr.: Sept.-Dec.  
LO: Dantkho
Eth. Uses: Stomach pain, Tonic
Proc: - One or two seeds crushed in water and is given to children suffering from stomach pain.
- Stem bark (30 gm.) is used thrice in a day for 10 days as a tonic.

SAPINDACEAE

Schleicheria oleosa (Lour.) Oken, Allg.
LN: Kusum  
HS: 533 RS
Des: Dense-foliaged large tree; stem-bark smooth, grey; leaves-lanceolate, acute, entire, glabrous above, abruptly pinnate, leaflets 2 to 4 paires; flowers-yellowish green, fascicled, simple or compound drooping racemes; fruits-one celled, simple, dry, pointed.
Fl. & Fr.: Feb.-Sept.  
LO: Neelgard
Eth. Uses: Burn, Skin diseases
Proc: - Oil of seeds is applied twice in a day for the treatment of burn and skin diseases.

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SIMAROUBACEAE

*Ailanthus excelsa* Roxb.

**LN**: Ghoranim  
**HS**: 547 RS

**Des**: Tree; stem bark coloured; leaves-equally or unequally pinnate, leaflets 8-14 paires, variable in shape and size, alternate or sub-opposite; flowers-greenish yellow, in large much branched, axillary pendulos panicles; fruits-samara, lanceolate, acute at both ends, reddish brown.

**Fl. & Fr.**: Jan.-Dec.  
**HS**: 549 RS

**Eth. Uses**: Abortion

**Proc**: - Paste of stem mixed with water and given to a pregnant lady (2 or 3 month pregnancy) for abortion.

SOLANACEAE

*Datura metel* Linn.

**LN**: Datura  
**HS**: 536 RS

**Des**: Herb; stem-triangular, ovate; leaves-alternate. simple, ovate; flowerslarge, tubelar, funnel shaped, purple or white in colours; fruits-capsules.

**Fl. & Fr.**: Apr.-Oct.  
**LO**: Bhutallaasi

**Plate**: 11  
**Fig.**: 32

**Eth. Uses**: Hydrophobia, Diarrhoea

**Proc**: - Approximate 20 gm. dried seeds powder is given for the treatment of hydrophobia.

- Leaves and roots used in diarrhoea.
Fig. 1 - *Adhatoda vasica* Nees.

Fig. 2 - *Alangium salvifolium* (Linn.f.) Wang.

Fig. 3 - *Mangifera indica* Linn.

Fig. 4 - *Annona squamosa* Linn.

Plate - 3
Fig. 5 - *Catharanthus roseus* (Linn.) G. Don.

Fig. 6 - *Carissa spinarum* Linn.

Fig. 7 - *Plumeria rubra* Ait. Hort. Kew.

Plate - 4
Fig.8 - Phoenix acaulis Buch.-Ham. ex.Roxb.

Fig.9 - Calotropis procera Roxb.

Fig.10 - Tridax procumbens Linn.

Fig.11 - Cordia dichotoma Forst. f.

Plate - 5
Fig.12 - *Tamarindus indicus* Linn.

Fig.13 - *Chenopodium album* Linn.

Fig.14 - *Cuscuta reflexa* Lamk.

Plate - 6
Fig.15 - *Ricinus communis* Linn.

Fig.16 - *Emblica officinalis* Gaertn. f.

Fig.17 - *Ocimum basilicum* Linn.

Fig.18 - *Lawsonia inermis* Linn.

Plate - 7
Fig.19- *Tinospora cordifolia* (Burm.f.) Wall.ex Nees.

Fig.20- *Acacia nilotica* (Linn.) Willd.ex. Delile.

Fig.21- *Moringa oleifera* Lamk.

Plate - 8
Fig. 22 - Anthocepalus indicus Miq.

Fig. 23 - Vanda roxburghii Roxb.

Fig. 24 - Argemone maxicana Linn.

Fig. 25 - Butea monosperma Lam.
Fig. 26- *Abrus precatorius* Linn. (Seeds)

Fig. 27- *Punica granatum* Linn.

Fig. 28- *Bambusa arundinacea* (Retz.) Willd.

Plate -10
Fig. 29 - *Zizyphus mauritiana* Lam.

Fig. 30 - *Ixora arborea* Roxb.

Fig. 31 - *Aegle marmelos* (Linn.) Corr.

Fig. 32 - *Datura metel* Linn.
Fig. 33 - *Helicteres isora* Linn.

Fig. 34 - *Lantana camara* Linn.

Fig. 35 - *Ampelocissus latifolia* (Roxb.) Planch.
Fig. 36 - Gate of the Ratapani Sanctuary of Raisen District

Fig. 37 - Collection of information with rural peoples

Fig. 38 - House of Gond tribals

Plate -13