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## Identification of the Plants Described in *Mahakashaya* of *Charaka Samhita* found in Rajeev Gandhi South Campus, Barkaccha, Mirzapur

Ashwini Kumar Kushwaha<sup>1\*</sup> and Vinod Kumar Joshi<sup>2</sup>

<sup>1,2</sup>Dept. of Dravyaguna (RGSC) Faculty of Ayurveda, IMS, BHU, Varanasi, India

### ABSTRACT

A survey on plants described in Mahakashaya of Charaka Samhita was conducted at Rajeev Gandhi South Campus, situated in village Barkaccha, district Mirzapur, Uttar Pradesh. The objective was to find out naturally grown medicinal plants that described in Mahakashaya of Charaka Samhita an Ayurvedic classic, in the study area. In South Campus of Barkaccha, total eighty five Mahakashayas medicinal plants are found, out of which thirty two medicinal plants are placed in individual Mahakashaya and rest fifty three medicinal plants are recognised under more than one Mahakashaya. The botanical name, family, chemical constituents, ethnobotanical uses, part used and name of Mahakashaya in which plants are grouped are listed.

### KEYWORDS

*Mahakashaya, CharakaSamhita, Chemical Constituents, Ethnobotanical*



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## INTRODUCTION

Ayurveda is a science of life<sup>1</sup> and it is considered as one of the oldest system of medicine its holistic approach is helpful for healthy individuals as well as diseased ones. Protection of health and cure of disease is the main two objective of Ayurveda. Medicines of Ayurveda are considered as safe because drugs used in this system of medicine are natural in origin and are obtained from plants, animals and minerals. This survey was focused on plants growing naturally in Rajeev Gandhi South campus of Banaras Hindu University and their presence in Mahakashaya of Charak Samhita. The surrounding area of the south campus of Banaras Hindu University has been known as a rich source of valuable medicinal plants since times immemorial. Charak Samhita is one of the Classical Text of Ayurveda written by Maharsi Agniveshin 1000 BC reedited by Acharya Charak in 500 BC and completed by Drinabala in 400 cent.AD.<sup>2</sup>.It has eight sthana and 120 chapters.The eights sthana are- Sutrasthana-(general principles)-30 ch,Nidanasthana (pathology)-8 ch, Vimanasthana (specific determination)- 8 ch, Sarirasthana (anatomy) 8 ch. (Describes embryology and anatomy of a human body), Indriyasthana (sensory organs based prognosis) 12 ch.

Chikistasthana (therapeutics)-30 chapters deals with medicine and treatment of disease. Kalpasthana (pharmaceutics and toxicology) 12. Siddhisthana (success in treatments) (12 chapters describe sign of cure hygiene and healthier living). In Sutra sthan Chapter 4 Acharya Charaka has classified the dravyas as per pharmacological actions into 50 Mahakashaya (50 groups of dravyas)<sup>3</sup>. Each group contains ten dravyas for a particular action, the groups are Jeevaniya (beneficial for life), Bruhamaniya ( nourishes the tissue of the body), Lekhaniya (scraping the tissues of body and decreasing bodyweight ), Bhedaniya (strong purgative) Sandhaniya (helpful in wound and bone healing),Deepaniya (igniting digestive fires), Balya (strength promoting), Varnya (beneficial for skin complexion), Kanthya (getting better quality of voice), Hrudya (providing strength to heart), Truptighna ( the drug offer relieve in felling of fullness), Arshoghna (the drug curing pilese), Kushtaghna (offer relieve in skin diseases) Kandughna (relieving sensation of itching), Krimighna (curing worm infestation), Visaghna (offer relive in toxic condition and allergy, Stanyajanana (helpful in breast milk formation), Stanyashodhana (detoxify and improving the quality of breast milk), Sukrajanana



(improving genesis of sperm) Sukrashodhana (detoxify and improving the quality of semen), Snehopaga (adjuvant in oleation treatments), Svedopaga (adjuvant in fomentation treatment) Vamanopaga (adjuvant in vomiting therapy), Virechanopaga (adjuvant in purgation therapy), Asthapanopaga (adjuvant in kasayabasti-decoction enema.) Anuvasnopaga (adjuvant to snehabasti-oil enema), Shirovirechanopaga (adjuvant in nasal application), Chardinigrahana (anti-emetic drugs), Trushnanigrahana (offer relieves in thirst), Hikkanigrahana (helpful in hiccups), Pureeshasangrahaneeya (offer relive in loose motion), Pureeshvirajaneeya (detoxifying stool and restore natural colour of stools), Mutrasangrahaneeya (offer relive in excess urination) Mutravirajneeya (restore its natural colour), Mutravirechniya (helpful in urination), Kasahara (offer relive in cough), Swasahara (offer relive in dyspnoea), Shothahara (helpful in inflammation, Jwarhara (relieving fever), Shramahara (offer relive in tiredness), Dahaprasamana (relieving burning sensation), Sheetaprasamana (relieving cold sensation), Udaraprasamana (offer relive in allergic skin rashes), Angamardprasamana (relive in dhatukshayajanya pain, Shula prasamana

(the drugs relieving abdominal colic ), Shonitasthapana (control bleeding and restore quantity of blood), Vedanasthapana (restore pleasing sensation, Sanjnasthapana (the drugs restoring consciousness), Prajasthapana (helpful in development of foetus) and Vayahasthapana (rejuvenating and anti-aging drugs)<sup>4</sup>.

### STUDY AREA

The Rajeev Gandhi South Campus of Banaras Hindu University is located with co-ordinate in village Barkaccha of district Mirzapur. It is situated about 8 km South West of Mirzapur town on way of Robertsganj highway and about 80 km from Varanasi. The area of this campus is about 2700 acres, the whole area was transferred to Banaras Hindu University on lease by the Bharat Mandal Trust in 1979. In the regime of former Vice-chancellor Prof. Y. C. Shimadri- A task force was formulated and an ambitious draft plan was prepared and subsequently approved by the Executive Council of BHU (ECR No.74) on 27.06.1999 for starting education and training programs under BHU Act 15 (1). Subsequently Prof. Panjab Singh, former Vice-chancellor of BHU immediately after his joining took a serious note of problems pertaining to Barkaccha and called the first meeting on 20.05.2005



and constituted a core Committee. Physiographically the area of campus lies in Vindhyan region, the climate of this area is mostly dry in nature. Normally winter season is short and it is in between Dec to Feb but summer is long i.e., from March to November<sup>5</sup>. Temperature rises up to 50°C and drops to 4°C during winters. On an average, rainfall is 1059 mm, of which 90% is received by southwest monsoon (Jun-Sep). The normal period of onset of monsoon in this region is last week of June which lasts up to the end of September or sometimes up to mid of October. Rainfall is very unpredictable sometimes causing drought spells of varying degrees and durations. The vegetation of RGSC is mostly dominated by the herbs and shrubs, some large tree can also be found. Some area is being used by Krishi Vigyan Kendra for cultivation of crops. On the basis of use of land the study area is divided into built-up area (campus buildings) metalled road, unmetalled road, agriculture land, waste land and forest area. The total number of buildings in the campus are more than 50, in which 4 security hut, a security barrack, 4 sub store room with a main storage building namely Vishwakarma Bhawan, two canteens, 4 boys hostel, 3 girls hostel, a scientist hostel, a farmer hostel, seven buildings use for seed processing and storing, a power station and two sub power

station, a health centre, a library, lecture theatre, a guest house, administrative buildings, two transit hostel for teachers, Mushroom building, a new pharmacy lab, 2 labours colony, and many construction work is going on.

## MATERIALS AND METHODS

The stipulated area of the South campus of Barkaccha was surveyed routinely in different seasons. During survey of the area, photographs of whole plants and its branches, leaves, flowers, fruits and seeds, especially the part of the plants used in medicines was taken. The Herbarium sheets were also preserved considering their parts, complete plants in case of small herbs and branches of suitable size in flowering and/or fruiting stage for trees, climbers and shrubs were collected. Complete field notes was prepared regarding the habit, habitat, height, flowering and fruiting season and some other special features of the plants with any specific information from local habitants of the surrounding areas. The plants specimen was identified with the help of keys and descriptions given in various floras and monographs. A list of Plants was prepared with Botanical name, Family, Chemical Constituents, Part used and Name of Mahakashaya in which Plants are grouped were identified accordingly



## DISCUSSION

Panchasat Mahakashaya of Charak Samhita is a very important classification, in these Mahakashaya plants are grouped as per pharmacological action; each Mahakashaya contains ten drugs for similar action. Rajeev Gandhi South Campus of Banaras Hindu University is situated in village Barkaccha, district Mirzapur, Uttar Pradesh. Physiographically the area lies in the Vindhya regions and was surveyed for the naturally grown medicinal plants described in Mahakashaya of Charak Samhita. Total eighty five such medicinal

plants were found, which are classified in different Mahakashaya as described in table 1. It is observed that at least one drug of all fifty Mahakashaya is available in South Campus of Barkaccha BHU as described in table 2. It is further observed that drugs described in kusthagna and sothahara Mahakashaya of Charaka Samhita are available in more number than other Mahakashaya in south campus of Barkaccha. Plants drugs available in this campus are more useful in inflammatory condition and skin diseases.

**Table 1** List of available Plants Classified in Fifty Mahakashaya of Charak Samhita in RGSC (RGSC-Rajeev Gandhi South Campus), Barkaccha, Mirzapur

S. No.	Name	Botanical Name & Family	Chemical Constituents	Part used.	Name of Mahakashaya
1.	AKHUPARNI	<i>Ipomea reniformis</i> Chois Convolvulaceae	Caffeic, P-coumaric, Ferulic and Sinapic acid esters.	Whole Plant	Krimighna
2.	AMALAKI	<i>Embelica officinalis</i> Gaertn. Euphorbiaceae	galic acid, ellagic acid	Fruit	Kushtaghna, Virechanopaga, Kasahar, Jwarahar
3.	AMRA	<i>Magnifera indica</i> Linn Solanaceae	carotenoids, omega-3 fatty acids, Triterpene, lupeol	Leaves, fruit, bark	Hridya, Chardinigrahan, Purishsangrahiya, Mutrasangrahiya
4.	ARAGVADHA	<i>Cassia fistula</i> Linn Ceasalpiniceae	Anthraquinone, phlobaphenes	Resin, bark	Kusthagna
5.	AJAGANDHA	<i>Cleome viscosa</i> Linn. Cleomaceae	Oleoresin	Fruit	Shulaprashmana
6.	APAMARGA	<i>Achyranthus aspera</i> Linn Amaranthaceae	Saponin	Whole plant	Shirovirechanopaga
7.	APARAJITA/SWETA	<i>Clitoria ternatea</i> Linn Papilionaceae	Glycosides	Root	Shirovirechanopaga
8.	APARAJITA/MASWETA	<i>Clitoria ternatea</i> Linn Papilionaceae	taraxerol and taraxerone <sup>3</sup>	Root	Shirovirechanopaga
9.	ARJUNA	<i>Terminalia arjuna</i> W.&A. Combretaceae	Tannin	Stem Bark	Udardprshman
10.	ARKA	<i>Calotropis procera</i> (Ait) R.Br.	Calatropin	Latex, Flower	Bhedaniya, Swedopaga



		Asclepiadaceae			
11.	ASHVATTHA	<i>Ficus religiosa</i> Linn. Moraceae	Tannin	Stem Bark	Mutrasangrahaniya
12.	ASHVAGANDHA	<i>Withonia somnifera</i> Dunal. Solanaceae	Alkaloids	Root	Bringhaniya, Balya
13.	ATIBALA	<i>Abutilon indicum</i> (Linn.) Sweet Malvaceae	Asparagin	Root	Balya
14.	BADAR	<i>Zizipus jujuba</i> Lam Rhamnaceae	Tannin, Zizyphic acid	Fruit, Bark, Seed, Leaves, Flower	Hridya, Swedopaga, Virechanopaga, Chardinigrahan, Hikkanigrahan, Shrmahara, Udardaprashman
15.	BALA	<i>Sida cordifolia</i> Linn. Malvaceae	Ephedrine. Pseudoephedrine Sterculic, malvalic and coronaric acid	Root	Bringhaniya, Balya
16.	BALA	<i>Sida acuta</i> Burm.f. Malvaceae	Ephedrine		Bruhamaniya , Balya
17.	BHUMYAMALAKI	<i>Phyllanthus niruri</i> auct. Non L.; <i>Phyllanthus reticulatus</i> , <i>Phyllanthus urinaria</i> Linn. <i>Phyllanthus virgatus</i> G. Forster Euphorbeaceae	lupeol acetate, stigmasterol, lupeo	Whole Plant	Kasahara, Shramahara
18.	BIBHITAKA	<i>Terminalia bellerica</i> Roxb Combretaceae	Gallic Acid	Fruit	Virechanopaga Jwarhara
19.	BILVA	<i>Aegle marmelos</i> Correa Rutaceae	Marmelosin	Fruit, Root,	Arshoghana, Anuvasnopaga
20.	BIMBI	<i>Coccinia grandis</i> (Linn.) Voigt Cucurbitaceae	Saponin	Fruit	Vamanopaga
21.	BRHATI	<i>Solanum indicum</i> Linn Solanaceae	Steroids	Whole Plant	Kantha, Hikkanigrahana, ShwaythoharAngama rdaprashmana,
22.	CHIRABILVA	<i>Holeptelia integrifolia</i> Planch Urticaceae	Fixed Oils	Stem Bark	Lekhniya, Bhedaniya
23.	CHITRAKA	<i>Plumbago zeylanica</i> Linn. Plumbaginaceae	Plumbagin	Root,	Lekhniya, Chedaniya, Deepniya, Truptighna
24.	DADIMA	<i>Punica granatum</i> Linn. Punicaceae	Sitosterol	Fruit	Hridya, Chardinigrahana, Shramahara
25.	DANTI	<i>Baliospermum montanum</i> Mueel-Arg. Euphorbeaceae	Triterpenoids	Root	Bhedaniya
26.	DARBHA	<i>Impereta cylendrica</i> Beav.	Cylindrin	Root,Leaves	Stanyajanana, Mutravirechaniya



		Graminae			
27.	DHATAKI	<i>Woodfordia fruticosa</i> Kurz. Lythraceae	Tannin	Fruit	Sandhaniya, Purishsangrahniya, Mutrajananiya
28.	DHANYAKA	<i>Coriandrum sativum</i> Linn Apiaceae	Coriandrol	Leaves, Seed	Trishnanigrahana, Sheetaprashmana
29.	DUGDHKA (Choti)	<i>Euphorbia hirta</i> Linn. Euphorbiaceae	Galactoside	Whole Plant	Bruhamaniya
30.	DUGDHKA (Badi)	<i>Euphorbia prosteta</i> W.Ait	Galactoside	Whole Plant	Bruhamaniya
31.	ERANDA	<i>Ricinus communis</i> Linn. Euphorbiaceae	Ricinine	Root, Leaves, seed	Swedopaga, Angamardaprashmana
32.	GOKSHURA	<i>Tribulus terrestris</i> Linn. Zygophyllaceae	Gitogenine	Fruit, Root, Whole Plant	Sothahara,
33.	GUDUCHI	<i>Tinospora cordifolia</i> (Willd.) Meers ex Hook f. & Thoms. Menispermaceae	Terpenoids	Stem	Vayasthapan, Truptighna, Stanyashodhana, Trishnanigrahana, Dahaprashmana
34.	HARIDRA	<i>Curcuma longa</i> Linn. Scitamineae	Essential Oils	Rhizome	Lekhniya, Vishahagna, Kusthaghna
35.	ABHAYA	<i>Terminalia chebula</i> Retz. Combretaceae	Tannin	Fruit	Arshoghana Kushtghna, Virechanopaga, Hikkaniyagrahana, Kasahara, Jwarahara, Vayasthapan
36.	IKSHU	<i>Saccharum officinarum</i> Linn Poaceae	Sucrose	Stem	Kanthya, Stanyajanana, Shukrashodhana, Shramahara
37.	JATI	<i>Jasminum officinale</i> Linn. <i>Jasminum grandiflorum</i> Linn. Oleaceae	emodine, leucoanthocyanins, steroids, anthocyanins, phlobatinins	Leaves	Kusthaghna
38.	JAMBU	<i>Syzygium cumini</i> (Linn.) Skeels Myrtaceae	Jamboline	Fruit, Bark, Leaves	Chardinigrahana, Purishviranjaniya, Mutrasanghrahaniya
39.	KARBUDARA	<i>Bauhinia variegata</i> Linn. Zingiberaceae	Tannin	Bark	Vamanopaga
40.	KASHMARYAP HALA	<i>Gmelina arborea</i> Roxb. Verbinaceae	Arboreal	Bark	Virechanopaga, Shothoahara, Dahaprashmana
41.	KASHA	<i>Saccharum spontaneum</i> Linn. Poaceae	Quinone, Tannins, Coumarin	Stem, Root	Stanyajanana
42.	KADARA	<i>Acacia suma</i> Buch-Ham Mimosaceae.	$\beta$ -sitosterol, stigmasterol, oleanolic acid	Heart wood	Udardaprashmana





43.	KAITARYA	<i>Murraya koenigii</i> Sperng. Rutaceae	$\alpha$ -pinenesabinene , $\beta$ -pinene , $\beta$ caryophyllene,	Leaves Root Bark	Kantha Sangyasthapana
44.	KANTKARI	<i>Solanum surattense</i> Burm.f. <i>Solanum xanthocapum</i> Sebr.&wende. Solanaceae	Diosgenin	Whole Plant	Kantha, Hikkanigrahana, Kasahara, Swashara, Sheetprashmana, Angamardaprashama na
45.	KARKANDHU	<i>Zizipus nummularia</i> (Burm.f). W & A Rhamnaceae	nummularine-T, nummularogenin	Fruit, Bark, Seed, Leaves, Flower	Virechanopaga
46.	KARAMARDA	<i>Carissa carandus.</i> <i>Carrisa spinarum</i> Auct.BI Apocynaceae	Cardiac glycosides	Fruit, Root	Hridya
47.	KARVIRA	<i>Nerium indicum</i> Mill. <i>Thevetia nerifolia</i> Juss. Ex steud. Apocynaceae	Oleandrin	Root	Kushtaghna
48.	KATVANGA	<i>Ailanthus excels</i> Roxb Simaroubaceae	$\beta$ - Sitosterol, Vitesin	Bark	Purishasangrahaniya
49.	KHADIRA	<i>Accacia catechu</i> Willd. Mimosaceae	Catechin	Bark	Kushthaghna, Udardaprashmana
50.	KOKILAKSHA/I KSHUREKA	<i>Astercantha longifolia</i> Nees. Acanthaceae	Stimagerol, lupeol	Root, Seed, Whole Plant	Shukrashodhana
51.	KOLA/BADARA	<i>Zizipus mauritiana</i> Linn Rhamnaceae	Conessine	Fruit, Bark, Seed, Leaves, Flower	Hridya, Swedopaga, Virechanopaga, Chardinigrahana, Hikkanigrahana, Shramahara, Udardaprashmana
52.	KOVIDARA	<i>Bauhinia purpurea</i> Linn. Fabaceae	Tannin	Bark	Vamanopaga
53.	KUSHA	<i>Desmostachya bipinnata</i> stapf. Poaceae	Terpenens	Root	Stanyajanana, Mutravirechaniya
54.	KUTAJA	<i>Wrightiat omentosa</i> Roem. &Schult Apocynaceae	Conessin	Bark	Arshoghna, Kandughna
55.	LAJJALU/SAMA NGA	<i>Mimosa pudica</i> Linn. Mimosaceae.	Alkaloids	Whole Plant	Sandhaniya
56.	MSAA	<i>Phaseolus mungo</i> Linn. Fabaceae		Fruit	Swedopaga
57.	MASHAPARNI	<i>Teramnus labialis</i> spreng Fabaceae	Glycosides	Whole Plant	Jeevaniya Sukrajanana
58.	MADHUKA	<i>Madhuca indica</i> J.F.Gmel. Sapotaceae	Saponnin	Flower, Seed,	Dahaprashmana
59.	MUGDAPARNI	<i>Phaseolus trilobus</i> Ait.	Sterols	Whole Plant	Jeevavniya



		Fabaceae			Sukrajanana
60.	MURVA	<i>Marsdenia tenacissima</i> W&A Asclepiadaceae	Marsdenin, D-cymarose, Asclepobiose, Cissogennin	Root	Truptighna, Stanyashodhana
61.	MUSTAKA (BHADRAMUSTA)	<i>Cyperus scariosus</i> R.Br. Cyperaceae	Cyperene, Arestolone	Root	Lekhaniya, Truptighna, Kandughna, Stanyashodhana, Trishnanigrahana
62.	NIMBA	<i>Azadirachta indica</i> A.juss. Meliaceae	Nimbine, Nimbidin, Nimbinine	Fruit, Seed, Leaves, Bark	Kandughna
63.	NIPA/GIRIKAD AMBA	<i>Mytragyna parvifolia</i> Korth.	mitraphylline, isomitraphylline, pteropodine, isopteropodine	Root, Bark, Leaves, Fruit	Vamanopaga
64.	NIRGUNDHI	<i>Vitex negundo</i> Linn. Verbenaceae	Alkaloids, Essential oils	Leaves	Krimighna
65.	PATALA	<i>Stereospermum suaveolens</i> Dc. Bignoniaceae	Sterol, Glycosides	Root, Bark	Shothahara
66.	PATHA	<i>Cissampelos parerira</i> Linn. Menispermaceae	Flavonoid, Sterol	Root	Stanyashodhana, Jwarahara
67.	PLAKSHA	<i>Ficus lacor</i> Buch-Ham Moraceae	Sterol, Tannins	Bark	Mutrasangrahaniya
68.	PRISHNAPARNI	<i>Uria picta</i> Desv. Fabaceae		Whole Plant	Sandhaniya, Shothahara, Angamardaprashmana
69.	PUNARNAVA	<i>Boerhaavia diffusa</i> Linn. Nyctaginaceae	Punarnavine	Root	Swedopaga, Anuvasnopaga, Kasahara, Vaysthapana
70.	SARIVA (SWETA)	<i>Hemidesmus indicus</i> R.Br. Asclepiadaceae	2-Hydroxy-4-Methoxybenzaldehyde, sterol-Hemidesmol, Hemidesmol	Root	Varnya, Kanthya, Stanyashodhana, Jwarahara, Dahaprashmana
71.	SAPTAPARNA	<i>Alstonia scholaris</i> R.Br. Apocynaceae	Ditamine, Echitamine, Echitanine etc	Bark	Kusthaghna, Udardaprashmana
72.	SHATAVARI	<i>Asperagus racemosus</i> Willd. Liliaceae	Saponine	Root	Balya Vayahasthapana
73.	SARSAPA	<i>Brassica campestris</i> Linn. Cruciferae	Sinalbin, sinarpine	Seeds, leaves	Kandughna, Asthapnopaga, Sirovirechanopaga
74.	SHALMALI	<i>Salmella malabarica</i> (DC.) Schoot and Endl. Bombacaceae	Tanic acid, Galic acid	Root, Flower, Fruit, Resins	Purishvirajaniya Shonitasthapana
75.	SHALPARNI	<i>Desmodium gangeticum</i> DC. Fabaceae	N-Dimethyltryptamine, 5-Methoxy-N, N-Dimethyltryptamin	Root, whole Plant	Snehopaga, Shothahara
76.	SHIGRU	<i>Moringa oleifera</i> Lam. Moringaceae	Moringine	Root, Bark, Seed	Krimighna Swedopaga



					Sirovirechanopaga, Vishghna, Vednasthapana
77.	SHIRISHA	<i>Albizia lebeck</i> Benth. Mimosaceae.	Tannin Saponin	<i>Bark, Seed,Leaves, Flower</i>	
78.	SLESHMATAK A	<i>Cordia dichotoma</i> Forst. f. Boraginaceae	Apigenin, β-Sitosterol,	<i>Bark</i>	Vishaghna
79.	SURASA/TULA SI	<i>Ocimum sanctum</i> Linn. Lamiaceae	oleanolic acid, ursolic acid, rosmarinic acid, eugenol, carvacrol, linalool	<i>Leaves</i>	Shothahara
80.	SWARNAKSHRI	<i>Argemone mexicana</i> Linn. Papaveraceae	isocorydineberberine	Whole Plant	Bhedaniya
81.	TILA	<i>Sesamum indicum</i> Linn. Pedaliaceae	linoleic acid and alpha linoleic acid	Seed	Swedopaga, Purishaviranjaniya
82.	UDUMBARA	<i>Ficus racemosa</i> Linn. <i>Ficus glomerata</i> Roxb. Moraceae	kaempferol, rutin, arabinose, bergapten, psoralenes, flavonoids, ficusin, coumarin	Leaves, Bark, Latex	Mutrasangrahnिया
83.	VATA	<i>Ficus bengalensis</i> Linn. Moraceae	Bengalenoside, leucopelargonidin	Leaves, Bark, Latex	Mutrasangrahaniya
84.	VIDARI	<i>Pueraria tuberosa</i> Dc. Fabaceae	β-sitosterol, stigmaterol, daidzein, puerarin	Tuber	Snehopaga
85.	RISYAGANDHA /VRDHADARU	<i>Argyreia speciosa</i> Sweet. Convolvulaceae	alkaloids, amino acids, proteins, flavonoids, triterpene and steroids[	Root	Bruhamaniya

**Table 2** Group (Mahakashaya) wise list of available Plants in RGSC<sup>6</sup>

Name	Mahakashaya	Plants	No. of available Plant in Mahakashaya
1.	Jeevaniya	MASHAPARNI MUGDAPARNI	2
2.	Bruhamaniya	RIYAGANDHA/VRDHADARU, ASVAGANDHA, BALA, DUGDHKA	4
3.	Lekhaniya	CHIRABILVA CHITRAKA HARIDRAA MUSTAKA (BHADRAMUSTA)	4
4.	Bhedaniya	ARKA CHIRABILVA CHITRAKA DANTI SWARNAKSHIRI	5
5.	Sandhaniya	DHATAKI LAJJALU/SAMANGA PRISHNAPARNI	3
6.	Deepaniya	CHITRAKA	1
7.	Balya	ASHVAGANDHA,	4



		ATIBALA, BALA SHATAVARI	
8.	Varnya	SARIVA(SWETA)	1
9.	Kanthya	BRIHATI IKSHU KANTAKARI SARIVA(SWETA) VIDARI	5
10.	Hrudya	AMRA BADAR DADIMA KARAMARDA	4
11.	Truptighna	CHITRAKA GUDUCHI MURVA MUSTAKA (BHADRAMUSTA)	4
12.	Arshoghna	BILVA ABHAYA KUTAJA	4
13.	Kushtaghna	AMALAKI ARAGVADHA HARIDRA ABHAYA JAATI KARVIRA KHADIRA SAPTAPARNA	8
14.	Kandughna	KUTAJA MUSTAKA (BHADRAMUSTA) NIMBA SARSHAPA	3
15.	Krimighna	AKHUPARNI NIRGUNDHI SHIGRU	3
16.	Visaghna	HARIDRA SHIRISHA SLESHMATAKA	3
17.	Stanyajanana	DARBHA IKSHUVALIKA KASHA KUSH	4
18.	Stanyashodhana	GUDUCHI MURVA MUSTAKA (BHADRAMUSTA) PATHA SARIVA (SWETA)	5
19.	Sukrajanana	MASHAPARNI MUGDAPARNI	2
20.	Sukrashodhana	IKSHUU KOKILAKSHA/IKSHUREKA	2
21.	Snehopaga	VIDARI SHALPARNI	2
22.	Svedopaga	BADAR ERANDA MASHA PUNARNAVA TILA	6



		SHIGRU	
23.	Vamanopaga	BIMBI KARBUDARA KOVIDARA NIPA/GIRIKADAMBA	4
24.	Virechanopaga	AMALAKI BADAR BIBHITAKA ABHAYA KASHMARYAPHALA KARKANDHU	6
25.	Asthanopaga	BILVA CHITRAKA SARSHAPA	3
26.	Anuvasnopaga	BILVA PUNARNAVA	2
27.	Shirovirechanopaga	APAMARGA APARAJITA/SWETA APARAJITA/MAHASWETA SARSHAPA SHIGRU	5
28.	Chardinigrahana	AMRA BADAR DADIMA JAMBU	4
29.	Hikkanigrahana	BADAR BIBHITAKA DHANYAKA GUDUCHI MUSTAKA(BHADRAMUSTA) SARIVA (SWETA)	6
30.	Trushnanigrahana	BRIHATI ABHAYA KANTKARI	3
31.	Pureeshasangraheeya	AMRA DHATAKI KATVANGA	3
32.	Pureeshvirajaneeya	JAMBU MADHUKA SHALMALI TILA	4
33.	Mutrasangraheeya	AMRA ASHVATTHA JAMBU PLAKSHA UDUMBARA VATA	6
34.	Mutravirajneeya	DHATAKI	1
35.	Mutravirechniya	DARBHA KASHA KUSHA KAKATIKA	4
36.	Kasahara	AMALAKI BHUMYAMALAKI ABHAYA KANTKARI PUNARNAVA	5



37.	Swasahara	BHUMYAMALAKI SURASA/TULASI	2
38.	Shothahara	BILVA BRIHATI GOKSHURA KASHMARYAPHAL KANTKARI PATALA PRISHNIPARNI SHALPARNI	8
39.	Jwarhara	AMALAKI ABHAYA PATHA	3
40.	Shramahara	BADAR DADIMA IKSHU	3
41.	Dahaprasamana	GUDUCHI KASHMARYAPHALA MADHUKA SARIVA(SHVETA)	4
42.	Sheetaprashmana	ARKA DHANYAKA KANTAKARI	3
43.	Udaraprasamana	ARJUNA BADAR KADARA KHADIRA SAPTAPARNA	5
44.	Angamardprasamana	BRHATI ERANDA KANTKARI MADHUKA PRISNIPARNI	5
45.	Shula prasamana.	AJAGANDHA	1
46.	Shonitasthapana	SHALMALI	1
47.	Vedanasthapana	SHIRISHA	1
48.	Sanjnasthapana	KAITARYA	1
49.	Prajasthapana	SHATAVIRYA	1
50.	Vayahasthapana	GUDUCHI ABHAYA SHATAVARI PUNARNAVĀ	4



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