

Medicinal Plant species of conservation concern identified for Sikkim (SK), 2014 :

CAMP workshop was held at Gangtok during November 2014 to assess the threat status of prioritized Medicinal plants of Sikkim. During this process 46 medicinal plant species were assigned the RL status of Least Concerned (LC) and above category.

Only 1 species was found endemic and Endangered globally [EN (G)], 4 species were Endangered (EN), 26 species are Vulnerable (VU) and 7 species are Near Threatened (NT), 6 species are Least concern (LC). 9 of these Red Listed medicinal plant species have been recorded in high volume trade, as per the national level trade study.

LEGEND	
EX	Extinct
CR	Critically Endangered
EN	Endangered
VU	Vulnerable
NT	Near Threatened
LC	Least Concern
DD	Data Deficient
G	Global
H	Herb
S	Shrub
T	Tree
C	Climber
T	Recorded in Trade
H	High volume Traded (>100 MT/yr/ Dry wt.)

Sl. No.	Red listed species	State	Habit	Status in SK	Criteria	Altitude range (m ASL)	Recorded in Trade	Trade name	High Volume Trade (> 100 MT/ yr/ dry wt.)
1	<i>Aconitum ferox</i> Wall. ex. Seringe	SK	H	VU	A2 cd	2,600-3,800	T	Atis, Aconite, Ativish	H
2	<i>Allium wallichii</i> Kunth	SK	H	EN	A2 cd	2,800-4,800	T	Banlasun	-

3	<i>Berberis aristata</i> DC.	SK	S	DD	DD	1,600-2,500	T	Daruhaldi, Rasnajan	H
4	<i>Bergenia purpurascens</i> (Hook. f. & Thomson) Engl.	SK	H	VU	A2 cd	3,000-5,100	T	Pakhanbed	-
5	<i>Betula utilis</i> D. Don	SK	T	NT	A2 c	2,500-4,200	T	Bhojpatra	-
6	<i>Campylandra aurantiaca</i> Baker	SK	H	LC	A2 c	1,800-2,900	T	-	-
7	<i>Dioscorea deltoidea</i> Wall. ex. Griseb.	SK	C	VU	A2 cd	500-2,500	T	Shingh mingh	-
8	<i>Docynia indica</i> (Wall.) Decne.	SK	T	LC	A2 c	1,300-3,000	T	Chuk	-
9	<i>Ephedra gerardiana</i> Wall. ex. Stapf	SK	S	VU	A2 cd	2,400-5,000	T	Somalatha, Ephedra	H
10	<i>Flickingeria fugax</i> (Rchb. f.) Seidenf.	SK	H	VU	A2 cd	600-1,700	T	Jivanti	-
11	<i>Fraxinus floribunda</i> Wall.	SK	T	EN	A2 cd	1,200-2,700	T	Lahkuri	-
12	<i>Fritillaria cirrhosa</i> D. Don	SK	H	VU	A2 cd	3,000-4,880	T	-	-
13	<i>Gymnadenia orchidis</i> Lindl.	SK	H	VU	A2 cd	2,500-4,880	T	Paanch Amle	-
14	<i>Hedychium spicatum</i> Smith	SK	H	LC	A2 cd	1,200-3,500	T	Kapor Kachari	-
15	<i>Heracleum wallichii</i> DC.	SK	H	LC	A2 cd	1,800-4,100	T	Chimpling	-
16	<i>Hippophae salicifolia</i> D. Don	SK	S	VU	A2 cd, A4 e	2,000-3,500	T	Tarwa	-

17	<i>Hodgsonia heteroclita</i> (Roxb.) Hook. f. & Thoms.	SK	C	VU	A2 c	750- 1,500	T	-	-
18	<i>Juniperus recurva</i> Buch.-Ham. ex. D. Don	SK	S	NT	A2 cd	2,900-5,000	T	Dhoop	-
19	<i>Jurinea macrocephala</i> DC.	SK	H	VU	A2 cd	3,000-4,300	T	Jami Dhoop	H
20	<i>Litsea citrata</i> Blume	SK	T	VU	A2 cd	300-2,700	T	Timur	-
21	<i>Mahonia napaulensis</i> DC.	SK	S	NT	A2 cd	1,525-3,000	T	Lek Chutra	-
22	<i>Malaxis acuminata</i> D. Don	SK	H	VU	A2 cd	800-2,800	T	Jeevak	-
23	<i>Malaxis muscifera</i> (Lindl.) Kuntze	SK	H	VU	A2 cd	2,500-4,400	T	Rsabhakah, Jeevak	-
24	<i>Meconopsis horridula</i> Hook. f. & Thomson	SK	H	NT	A2 c	3,800-5,200	T	Nakchung Shoka	-
25	<i>Meconopsis paniculata</i> (D. Don) Prain	SK	H	LC	A2 c	3,000-5,200	T	-	-
26	<i>Nardostachys jatamansi</i> (D. Don) DC.	SK	H	VU	A2 cd	3,810-5,155	T	Balchand, Jatamansi	H
27	<i>Neopicrorhiza scrophulariiflora</i> (Pennell) D. Y. Hong	SK	H	VU	A2 cd	3,500-4,880	T	Kutaki, Kutki, Kutaka	-
28	<i>Ophiocordyceps sinensis</i> (Berk.) G. H. Sung, J. M. Sung, Hywel-Jones & Spatafora	SK	F	VU	A2 cd	3,800-5,000	T	Chinese caterpillar fungus	-
29	<i>Oroxylum indicum</i> (L.) Kurz	SK	T	NT	A2 cd	250-1,500	T	Tetuchaal, Arлу, Totola	H

30	<i>Panax sokpaiensis</i> Shiva K. Sharma & Pandit	SK	H	EN (G)	B1 ab (ii, iii, iv) & B2 ab (ii,iii, iv)	1,700-2,400	T	Ginseng	-
31	<i>Panax bipinnatifidus</i> Seem.	SK	H	VU	A2 cd	2,100-4,300	T	Gingseng	-
32	<i>Paris polyphylla</i> Smith	SK	H	VU	A2 cd	1,300-4,000	T	Daiswa paris, Svetavaca, Satuwa	-
33	<i>Platanthera edgeworthii</i> (Hook. f. ex. Collett) R.K. Gupta	SK	H	VU	A2 cd	1,220-3,600	T	Vriddhi	-
34	<i>Podophyllum hexandrum</i> Royle	SK	H	VU	A2 cd	2,200-4,400	T	Bankakri, Vanatrapusi	-
35	<i>Polygonatum cirrhifolium</i> (Wall.) Royle	SK	H	VU	A2 cd	1,670-4,200	T	Meda	-
36	<i>Polygonatum verticillatum</i> (L.) All.	SK	H	VU	A2 cd	2,100-4,000	T	Meda-m-meda	-
37	<i>Rheum nobile</i> Hook. f. & Thoms.	SK	H	NT	A2 cd	3,600-4,900	T	Kenjo	-
38	<i>Rhododendron anthopogon</i> D. Don	SK	S	VU	A2 cd	2,500-6,000	T	Talisapatra	H
39	<i>Roscoea purpurea</i> Sm.	SK	H	NT	A2 cd	2,000-3,500	T	Kakoli	-
40	<i>Saussurea gossypiphora</i> D.Don	SK	H	VU	A2 cd	4,000-5,500	T	-	-
41	<i>Saussurea obvallata</i> (DC.) Edgew.	SK	H	EN	A2 cd	3,500-5,000	T	-	-

42	<i>Swertia chirayita</i> (Roxb.) Buch.-Ham. ex. C. B. Clarke	SK	H	EN	A2 cd	1,500-3,000	T	Chirata	H
43	<i>Thalictrum foliolosum</i> DC.	SK	H	LC	A2 c	1,300-3,400	T	Mamiri	-
44	<i>Trillium govanianum</i> Wall. ex. D. Don	SK	H	DD	DD	2,700-4,000	T	Nagchatri	-
45	<i>Valeriana jatamansi</i> Jones	SK	H	VU	A2 cd	2,000-3,500	T	Musakbala, Tagar	H
46	<i>Zanthoxylum acanthopodium</i> DC.	SK	T	VU	A2 cd	1,200-2,500	T	Tumburu, Kabab Khandan, Tummad	-

<http://envis.frlht.org>

Reference: Ved D. K., Suma T. S., Bhutia T. G., Ravikumar K., Barve V., Somashekar B. S., Tandon V., Goraya G. S., Sumanth M. V. and Soumyashree N. 2017. Conservation Assessment and Management Prioritisation (CAMP) for the Wild Medicinal Plants of Sikkim. FRLHT-TDU, Bengaluru and SMPB-FEWMMD, Gangtok. ISBN 978-93-84208-13-4.