

NATURAL GREENERY

Of

Purash Kanpur Haridas Nandi Mahavidyalaya



Purash Kanpur Haridas Nandi Mahavidyalaya



Natural Greenery

Established in 1966, Purash-Kanpur Haridas Nandi Mahavidyalaya is one of the oldest rural general degree College in Howrah district affiliated to the University of Calcutta. Long cherished dream of Late Haridas Nandi for providing higher education to the youths of the locality was materialized under the benevolent leadership of his able son Dr. Jitendra Nath Nandi with the whole hearted participation, help and cooperation of some dedicated souls and fine minds of the locality.

As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is more prevalent. Against the backdrop of rapid urbanization and capitalist ventures at local and global levels that has resulted in severe ecological crisis, Purash Kanpur Haridas Nandi Mahavidyalaya has been putting sincere efforts to preserve an eco-friendly surrounding both within and without the institution's campus.

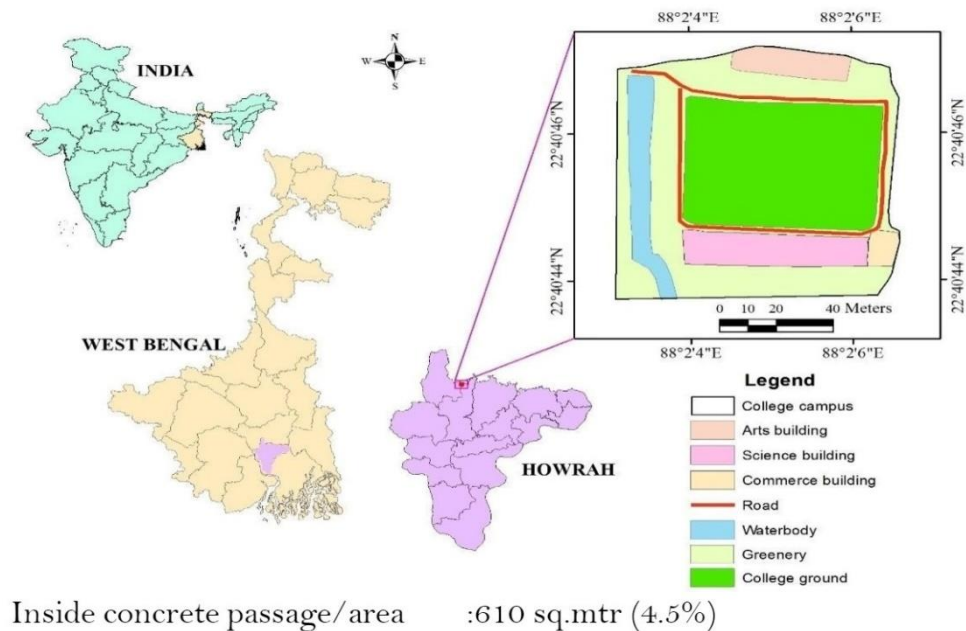
Air in and around the institute is almost free of vehicular and industrial pollution as there is no city traffic or industry within a range of 20 km. The institute ensure minimum carbon emission through minimizing consumption of energy. In addition, it has installed LED lights across the campus. Buildings are constructed keeping in mind cross ventilations that keep them naturally cool. Noise level in the surrounding of the institution is very low being located far from any town or bazar and surrounded by lush green vegetation. Transient spike in the noise level is caused by honking of motor vehicles on the road which is about 150 meters from the main premises.

The college has an established policy on waste management through segregation. Solid waste is segregated into biodegradable and non-biodegradable types and collection of them are done at different suitable locations of their generation like, canteens, offices, auditorium, corridor, and at the main entrance. Liquid waste of the Laboratory, particularly Chemistry laboratory is drained through separate sewerage lines: one for hazardous and strong chemical laboratory effluent and another for general washings. Hazardous and strong chemical effluent is collected in a hard plastic underground container and treated before discharge.

The college has considerable amount of biodiversity comprising of its natural inhabitants. We have a large variety of flora and fauna in and around the college. We perform *Vriksharopana Utsab* or tree-planting ceremony every year with the help of two NSS units to increase the greenery.

Land Use Analysis

Total Land area	: 3.31 acre (13395 sq.mtr)
Constructed area	: 2039 sq. mtr (15.2%)
Play ground	:6534.6 sq.mtr (48.8%)
Green vegetation	:2701.97 sq.mtr (20.2%)
Water body	:1509.58 sq.mtr (11.2%)



Flora Diversity in and around the Institute

Sl. No.	Popular Name	Scientific Name	Family	Plant's nature	Uses
1	Apang	<i>Achyranthes aspera</i> Linn	Amaranthaceae	Herb	Dysentery, dyspepsia, piles, pneumonia,
2	Bel	<i>Aegle marmelos</i> Corr.ex Roxb	Rutaceae	Tree	Urinary troubles, deafness, tonic, laxative
3	Chaanchi	<i>Alternanthera sessilis</i> DC	Amaranthaceae	Herb	Night blindness, snake bites, food poisoning, fever
4	Satamuli	<i>Asparagus racemosus</i> Willd	Asparagaceae	Shrub	Epilepsy, filarial, biliary colic, aphomia
5	Neem	<i>Azadirachta indica</i> A. Juss	Meliaceae	Tree	Leprosy, jaundice, ulcer, blood sugar
6	Amallata	<i>Cayratia trifolia</i> (L) Domin	Vitaceae	Climber	Tonic, tumors, wounds, bone fracture
7	Bamanhati	<i>Clerodendrum indicum</i> Linn	Verbanaceae	Shrub	Asthma, septic wounds, rheumatism, snake bite antidote
8	Ghentu	<i>Clerodendrum viscosum</i> Vent	Verbanaceae	Shrub	Burning sensation, blood disease, aphrodisiac, tonic
9	Telakuchi	<i>Coccinia grandis</i> Linn	Cucurbitaceae	Herb	Leprosy, diabetes, jaundice, skin disease
10	Sisoo	<i>Dalbergia sissoo</i> Roxb	Fabaceae	Tree	Anthelmintic, diuretic, stimulant, digestive
11	Keshute	<i>Eclipta prostrate</i> (L) Linn	Compositae	Herb	Jaundice, bronchitis, elephantiasis, scorpion stings, antiseptic
12	Amlaki	<i>Emblica officinalis</i> Gaertn	Euphorbiaceae	Tree	Constipation, inflammation, anaemia, leucorrhoea,
13	Khrika	<i>Euphorbia hirta</i> Linn	Euphorbiaceae	Herb	Nail infection, dysentery, ringworm, diarrhea
14	Ashseora	<i>Glycosmis pentaphylla</i> D.C.	Rutaceae	Shrub	Rheumatism, liver complaints, chronic cough, mouth ulcer
15	Khetpapra	<i>Oldenlandia corymbosa</i> Linn	Rubiaceae	Herb	Nervous depression, remittent fever, gastric irritability
16	Aaam	<i>Magnifera indica</i> Linn	Anacardiaceae	Tree	Gastric ulcers, blood dysentery, burn wounds, diabetes
17	Bakul	<i>Mimusops elengi</i> Linn	Sapotaceae	Tree	Stranguri, leucoderma, teeth and gum disease, insect bites
18	Ashok	<i>Saraca asoca</i> (Roxb) de Willd	Ceasalpiniaceae	Tree	Heart disease, uterine tonic, rheumatism, skin disease
19	Mithapata	<i>Scoparia dulcis</i> Linn	Scrophulariaceae	Herb	Diabetes, ulcer, menorrhagia, carminative

20	Nimukha	<i>Stephania japonica</i> Miers	Menispermaceae	Climber	Bilious fever, dropsy, stomach ache
21	Banokra	<i>Urena lobata</i> Linn	Malvaceae	Shrub	Hydrophobia, diuretic, septic wounds, sprains
22	Sahadebi	<i>Vernonia cinerea</i> Less	Compositae	Herb	Stomachic, tonic astringent, consumption
23	Nishinda	<i>Vitex negundo</i> Linn	Verbenaceae	Tree	Improves memory, gout, boils, eruption
24	Patpati	<i>Ruellia prostrata</i> Poir ver. <i>Dejecta</i> Clarke	Acanthaceae	Herb	Hypoglycaemic, anti-cancerous, gonorrhoea
25	Buriguapan	<i>Hemigraphis hirta</i> T. Anders	Acanthaceae	Herb	Dysentery, anthelmintic, scabies
26	Debdaru	<i>Polyalthia longifolia</i> Benth & Hook f.	Annonaceae	Tree	High blood pressure, stimulant, respiration
27	Akarkara	<i>Spilanthes acemella</i> L	Compositae	Herb	Antidysenteric, decoction, scabies,
28	Durba	<i>Cynodon dactylon</i> (L) Pers.	Graminae	Grass	Anti-catarrhal, antipyretic, leprosy, conjunctivitis, hysteria
29	Goyalelata	<i>Cayratia pedata</i> (Lam) Juss. Ex Gangenep.	Vitaceae	Climber	Diarrhea, astringent, hysteria, refrigerant,
30	Mahogany	<i>Swietenia mahagoni</i> L.	Meliaceae	Tree	Antipyretic, malaria, astringent, analgesic
31	Kathal (Jackfruit)	<i>Artocarpus heterophyllus</i> Lam.	Moraceae	Tree	Skin disease, snake bite antidote, astringent, laxative
32	Dumur	<i>Ficus hispida</i> Linn.	Moraceae	Tree	Purgative, emetic, leprosy
33	Dahua/ delomother	<i>Artocarpus lakoocha</i> Roxb.	Moraceae	Tree	Constipation, purgative, pimples and cracks
34	Rangan	<i>Ixora coccinea</i> Linn.	Rubiaceae	Shrub	Fevers, dysentery
35	Rabanlata/ Mikania	<i>Mikania scandens</i> Willd.	Compositae	Climber	Remedy for snake bite and scorpion sting, acidity
36	Cycas	<i>Cycas rumphii</i> Mig.	Cycadaceae	Tree	Malignant ulcer, flatulence, vomiting
37	Mari/ Palm tree	<i>Caryota urens</i> Linn.	Palmae	Tree	Cooling agent, thirst, fatigue, hemicranias,
38	Lalbichuti	<i>Fleurya interrupta</i> Gand.	Urticaceae	Herb	Urinal disease, gonorrhoea, scorpion sting, antibacterial
39	Panthapada p	<i>Ravenala madagascariensis</i> Gmel.	Musaceae	Tree	Hiccups, refrigerant, diuretic
40	Aswattha	<i>Ficus religiosa</i>	Moraceae	Tree	Skin disease, piles, stops bleeding, astringent
41	Bottle Palm	<i>Roystonea regia</i>	Palmae	Tree	Unknown
42	Sirish	<i>Albizia lebeck</i> Benth.	Leguminosae	Tree	Astringent, snake bite, scorpion sting, tonic
43	Piplas / Kukurchita	<i>Litsea glutinosa</i> (Lour) C.B. Robins.	Lauraceae	Tree	Acidity, dysentery, wounds and bruises, bronchitis
44	Ban Nebu	<i>Lippia javanica</i> (Burm.	Verbenaceae	Shrub	Expectorant, indigestion,

		F.) Spreng.			diarrhea, inflammation
45	Joypal	<i>Croton bonplandianum</i> Baill.	Euphorbiaceae	Herb	Hypotensive, and spasmolytic, seed oil for headache, vertebral pain
46	Kalluruki	<i>Pouzolzia indica</i> Gaud	Urticaceae	Herb	Syphilis, gonorrhoea, snake bite antidote
47	Luchipata	<i>Piperomia pellucid</i>	Peperaceae	Herb	Cooling agent, diuretic, burning sensation
48	Kanakcham	<i>Pterospermum acerifolium</i>	Sterculiaceae	Tree	Stop bleeding, tonic, laxative
49	Murba	<i>Sanseveiria</i> sp.	Liliaceae	Herb	High fever, cough, intestinal worms, vomiting
50	Nagdal	<i>Crinum asiaticum</i>	Amaryllidaceae	Shrub	Emetic, emollient, laxative, tonic
51	Chhatim	<i>Alstonia scholaris</i>	Apocynaceae	Tree	Tonic, febrifuge, tumours, sores
52	Bara Mahogany	<i>Swietenia macrophylla</i> King	Meliaceae	Tree	Astringent, bitter tonic, febrifuge, hypoglycaemia
53	Supari	<i>Areca catechu</i> Linn.	Palmae	Tree	Aphrodisiac, urinary disorder, nervine tonic
54	Karabi	<i>Nerium indicum</i> Mill	Apocynaceae	Shrub / small tree	Plant is poisonous, skin diseases, sinuses,
55	Kadam	<i>Anthocephalus indicus</i> A. Rich	Rubiaceae	Tree	Tonic, febrifuge, astringent
56	Ban Ada	<i>Zingiber cassumunar</i> Roxb	Zingiberaceae	Herb	Prurigo sprains, hiccups, bronchitis
57	Palash	<i>Butea mimosperma</i>	Leguminosae	Tree	Anthelmintic, astringent, dysentery, tonic
58	Madhabilata	<i>Hiptage benghalensis</i> Kurz.	Malpighiaceae	Climber	Chronic rheumatism, asthma, leprosy
59	Tiliakoru	<i>Tilliacora acuminata</i>	Menispermaceae	Tree	Mouth wash during fever
60	Amaltas/ Bandarlathi	<i>Cassia fistula</i> Linn.	Caesalpiniaceae	Tree	Ulcer, rheumatism, high blood pressure, purgative
61	Peyara/ Amrud	<i>Psidium guajava</i> Linn.	Myrtaceae	Tree	Astringent, diarrhea, laxative
62	Ankarkanta	<i>Alangium salviifolium</i> (L.f.)	Alangiaceae	Tree	Anthelmintic, purgative, gout, lumbago
63	Ghritkumari	<i>Aloe barbadensis</i> Mill	Liliaceae	Herb	Constipation, eczema, piles, dyspepsia, abdominal tumour
64	Sanchi	<i>Alteranthera sessilis</i> DC	Amaranthaceae	Herb	Night blindness, snake bites, glactagoue
65	Jangli Angur	<i>Vitis latifolia</i> Roxb.	Vitaceae	Climber	Wounds, ulcers, dysentery, dental problems
66	Panjiri-kapat	<i>Anisochilus carnosus</i> Wall.	Labiatae	Herb	Stimulant, expectorant,
67	Natakaranj	<i>Caesalpinia bonduce</i> (L.) Roxb	Caesalpiniaceae	Shrub	Tonic, asthma, leprosy, epilepsy,
68	Thankuni	<i>Centella asiatica</i> (Linn.) Urban	Umbelliferae	Herb	Jaundice, ulcer, loss of memory, weakness

69	Hinche	<i>Enydra fluctuans</i> Lour.	Compositae	Herb	Laxative, small pox, leucoderma,
70	Kul	<i>Zizyphus nummularia</i> (Burm. F.) Wight. & AM	Rhamnaceae	Shrub	Bleeding gums, sore throat, joint pain
71	Pila Berela	<i>Sida acuta</i> Burm. F.	Malvaceae	Shrub	Tonic, antipyretic, nervous and urinary disorders, fever
72	Sushni	<i>Marsilea minuta</i> Linn.	Marsileaceae	Herb	Psychopathy, ophthalmia, fever, insomnia
73	Kamini	<i>Murraya paniculata</i> (Linn.) Jack	Rutaceae	Shrub	Toothache, dyspepsia, dropsy,
74	Babla	<i>Acacia farnesiana</i> Willd.	Mimosaceae	Tree	Astringent, diabetes, leucorrhoea
75	Ban neel	<i>Tephrosia purpurea</i> (Linn.) Piers	Papilionaceae	Shrub	Blood purifier, asthma, cardio tonic, laxative
76	Bans (bamboo)	<i>Bambusa arundinaceae</i> Willd.	Gramineae	Grass	Tonic, fever, emmenagogue, snake bite
77	Kala	<i>Musa paradisiacal</i>	Musaceae	Tree	Astringent, tonic, diabetes
78	Jam	<i>Syzygium operculatum</i> Gamble	Myrtaceae	Tree	Rheumatism, diabetes, dysentery, bronchitis
79	Narkel	<i>Cocos nucifera</i> Linn.	Palmae	Tree	Aphrodisiac, fever, uterine diseases, astringent
80	Segun	<i>Tectona grandis</i> Linn. F.	Verbenaceae	Tree	Hyperacidity, leprosy, burning sensation
81	Bakshabad am	<i>Sterculia foetida</i> L.	Sterculiaceae	Tree	Diuretic, carminative, Laxative, gonorrhoea
82	Jarul	<i>Lagerstroemia speciosa</i>	Lythraceae	Tree	Stimulant, febrifuge, hydragogue, purgative
83	Simul	<i>Salmalia malabarica</i> Schott & Endl	Bombacaceae	Tree	Tonic, stimulant, emetic, haemostatic
84	Taal	<i>Borassus flabellifer</i> L.	Palmae	Palm	Gastritis, hiccups, laxative, restorative
85	Rangan	<i>Ixora coccinea</i> Linn.	Rubiaceae	Shrub	Dysentery, fever
86	Jhau	<i>Casuarina equisetifolia</i> Forst.	Casuarinaceae	Tree	Chronic diarrhoea, colic, tonic
87	Krishnachura	<i>Delonix regia</i>	Leguminosae	Tree	Antibacterial, hepatoprotective, anti-inflammatory
88	Christmas tree	<i>Araucaria cookie</i>	Araucariaceae	Tree	Unknown
89	Duranta	<i>Duranta repens</i>	Verbanaceae	Shrub	Insect repellent, helps in destroying mosquito larva
90	Kanchan	<i>Banhinia racemisa</i>	Leguminosae	Tree	Tonic, fever, dysentery, skin diseases.
91	Batabi Lebu	<i>Citrus maxima</i>	Rutaceae	Tree	Epilepsy, convulsive cough, asthma, mental aberration
92	Bichuti (Jal)	<i>Tragia involucrate</i> Linn	Euphorbiaceae	Creeper	Gout, mumps, heart disease, constipation, diuretic, asthma

93	Kham Alu	<i>Dioscorea balbifera</i> Linn.	Dioscoreaceae	Creeper	Leprosy, syphilis, wounds, piles
94	Nagalingam	<i>Couropita guianensis</i>	Lecythidaceae	Tree	Cold and cough, nervine tonic, aphrodisiac
95	Sultan Champa	<i>Calophyllum inophyllum</i> L.	Clusiaceae	Tree	Orchitis, astringent, Ulcer, leprosy, gout.
96	Bahari Bat	<i>Ficus elastic</i>	Moraceae	Tree	Latex important for rubber,
97	Hijal	<i>Barringtonia acutangula</i> (Lin) Gaertn.	Lecythidaceae	Tree	Headche, expectorant, cooling, Diarrhoea
98	Shewra	<i>Streblus asper</i> Lour	Moraceae	Tree	Ulcers, Sinuses, Boils, Antiseptic, Sedative
99	Naranga fal	<i>Gelonium multiflorum</i> A. Juss	Euphorbiaceae	Shrub	Tonic for gums, Purgative in hepatic trouble
100	Khejur (Dates)	<i>Phoenix sylvestris</i> Roxb	Palmae	Palm	Tonic, Restorative, Laxative, Dysentery
101	Gandaraj	<i>Gardenia jasminoides</i> Ellis	Rubiaceae	Shrub	Antiseptic, antiperiodic, Anthelmintic, cathartic
102	Pitali	<i>Trewia nudiflora</i> L.	Euphorbiaceae	Shrub	Alterative, Stomachic, Bile, Rhumatism, Gout
103	Putranjiva	<i>Putranjiva roxburghii</i> - wall	Euphorbiaceae	Tree	Diabetes, Rheumatism, Filaria, Tonic, Dysentery, Fevers
104	Kalisitki	<i>Breynia vitis idaea</i> (Burm. F.) Fisher	Euphorbiaceae	Shrub	Bronchitis & cold, stop nasal bleeding
105	Phurush	<i>Lagerstroemia-indica</i> -Lin	Lythraceae	Shrub	Purgative, Stimulant Febrifuge, Hydragogue