

6.3

Water Usage and Care

6.3.5 Water Conscious Planting

MRIIRS Weblink to SDG 6:

<https://mriirs.edu.in/sdg06-clean-water-and-sanitation/>

Water Conscious Planting

MRIIRS is having specially designed and well maintained 2.87 ha lush green plant landscape. The water treated through STP is used to irrigate the huge landscape of MRIIRS. To minimize use of water in horticulture within campus several drought-tolerant varieties of plants are adopted.

- The gardens have been designed following the **water conscious planting**.
- **Overhead sprinkler systems** are used to water the plants in more efficient manner and to minimize the water usage.
- **Manav Rachna Centre for Medicinal Plant Pathology** established at MRIIRS with one of the aims as Soil and Water Conservation Practices **supports the horticulture cell of Manav Rachna in selecting the drought tolerant plants at MRIIRS to in turn minimize the water usage.**

As evidence in support to 6.3.5:

- ✓ The list of adopted **drought tolerant plant species** with detail description of each variety,
- ✓ Photographs/ video of MRIIRS lush green campus with **walled gardens to minimize the water spread are provided.**

All the data are also available in public domain through web site of MRIIRS.

**List of adopted drought tolerant plant species at
MRIIRS with detail description of each variety**

List of Drought Tolerant Plants at MR Campus

S.No	Common Name	Botanical Name	Link to description
1	Silver oak	<i>Grevillea robusta</i>	http://mrcmpp.in/wp-content/uploads/2022/06/165-Silver-oak.pdf
2	Bottlebrush	<i>Callistemon accuminatus</i>	http://mrcmpp.in/wp-content/uploads/2022/06/167-Bottle-brush2193.pdf
3	Ashoka	<i>Polyalthia longifolia</i>	http://mrcmpp.in/wp-content/uploads/2022/06/168-Ashoka.pdf
4	Sisam	<i>Dalbergia sissoo</i>	http://mrcmpp.in/wp-content/uploads/2022/07/1267.sisam .pdf
5	Guava	<i>Psidium guajava</i>	http://mrcmpp.in/wp-content/uploads/2022/07/1268-Guava.pdf
6	Bendy Tree	<i>Thespesia populnea</i>	http://mrcmpp.in/wp-content/uploads/2022/07/1278-Bendy-tree.pdf
7	Kachnar	<i>Bauhinia vareigata</i>	http://mrcmpp.in/wp-content/uploads/2022/07/1277-kachnar4009.pdf
8	Calliandra	<i>Calliandra haematocephala</i>	http://mrcmpp.in/wp-content/uploads/2022/07/1280-callindra.pdf
9	Semel	<i>Bombax ceiba</i>	http://mrcmpp.in/wp-content/uploads/2022/07/1345-Semel.pdf
10	Rudraksha	<i>Elaeocarpus angustifolius</i>	http://mrcmpp.in/wp-content/uploads/2022/07/1409.-Rudraksha.pdf
11	Jade plant	<i>Crassula ovata</i>	http://mrcmpp.in/wp-content/uploads/2022/07/1356.-jade-plant2977.pdf
12	Sanseiveria	<i>Sansevieria trifasciata</i>	http://mrcmpp.in/wp-content/uploads/2022/07/1266-Sansevieria-trifasciata2903.pdf
13	Kaner	<i>Cascabela thevetia</i>	http://mrcmpp.in/wp-content/uploads/2022/07/1264.-kaner4007.pdf
14	Spider plant	<i>Chlorophytum comosum</i>	http://mrcmpp.in/wp-content/uploads/2022/07/1260-spider-plant.pdf
15	Red sage	<i>Lantana camara</i>	http://mrcmpp.in/wp-content/uploads/2022/07/1227-lantana-new.pdf
16	Murraya	<i>Murraya paniculata</i>	http://mrcmpp.in/wp-content/uploads/2022/07/1221.-Murraya.pdf
17	Bismarckia palm	<i>Bismarckia nobilis</i>	http://mrcmpp.in/wp-content/uploads/2022/06/176.-Bismarckia-palm.pdf
18	Malabar plum	<i>Syzygium cumini</i>	http://mrcmpp.in/wp-content/uploads/2022/06/186.-Malabar-plum.pdf
19	Indian banyan	<i>Ficus benghalensis</i>	http://mrcmpp.in/wp-content/uploads/2022/06/187.-Indian-banyan.pdf
20	Gular	<i>Ficus racemosa</i>	http://mrcmpp.in/wp-content/uploads/2022/06/192.-Gular.pdf
21	Yellow bells	<i>Tecoma stans</i>	http://mrcmpp.in/wp-content/uploads/2022/06/203.-yellow-bells.pdf
22	Pilkhan	<i>Ficus virens</i>	http://mrcmpp.in/wp-content/uploads/2022/06/222.-Pilkhan2353.pdf
23	Foxtail palm	<i>Wodyetia bifurcata</i>	http://mrcmpp.in/wp-content/uploads/2022/06/230.-Foxtail-palm2360.pdf
24	Crown of Thorns	<i>Euphorbia milli</i>	http://mrcmpp.in/wp-content/uploads/2022/06/244.-Euphorbia2392.pdf

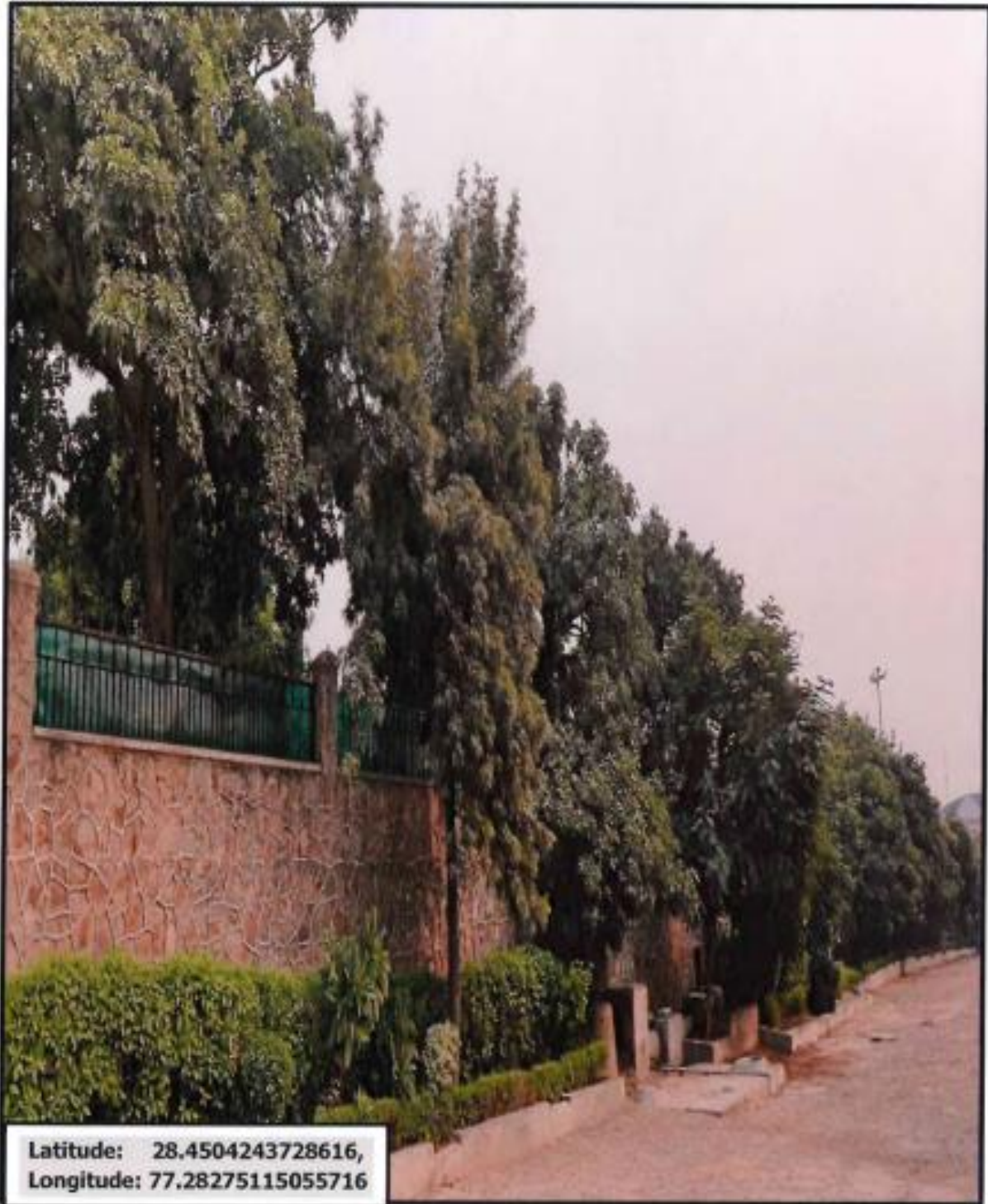
SDG 6- CLEAN WATER AND SANITATION



25	Juniperes	<i>Juniperus communis</i>	http://mrcmpp.in/wp-content/uploads/2022/06/245.-Juniperes2376.pdf
26	Crepe myrtle	<i>Lagerstroemia indica</i>	http://mrcmpp.in/wp-content/uploads/2022/06/252.-Crepe-myrtle2288.pdf
27	Starlight ficus	<i>Ficus benamina</i>	http://mrcmpp.in/wp-content/uploads/2022/07/1187-Starlight.pdf
28	Ponytail Palm	<i>Beaucarnea recurvata</i>	http://mrcmpp.in/wp-content/uploads/2022/06/402.-ponytail-palm2436.pdf
29	Pencil Stick Cactus	<i>Euphorbia tirucalli</i>	http://mrcmpp.in/wp-content/uploads/2022/06/404.-pencil-cactus2440.pdf
30	Conocarpus	<i>Conocarpus erectus</i>	http://mrcmpp.in/wp-content/uploads/2022/07/1079.-Conocarpus.pdf

**Photographs/ video of MRIIRS lush green
Campus with walled/fenced gardens to minimize
water spread**

- ✓ **Video of MRIIRS lush green Campus:**
[Click to view](#)



Latitude: 28.4504243728616,
Longitude: 77.28275115055716

Landscaping with Trees- Gate No.1 parking area

Latitude: 28.4504243728616, Longitude: 77.28275115055716
28°27'01.5"N 77°16'57.9"E



Latitude: 28.449788047232598
Longitude: 77.28254509851911

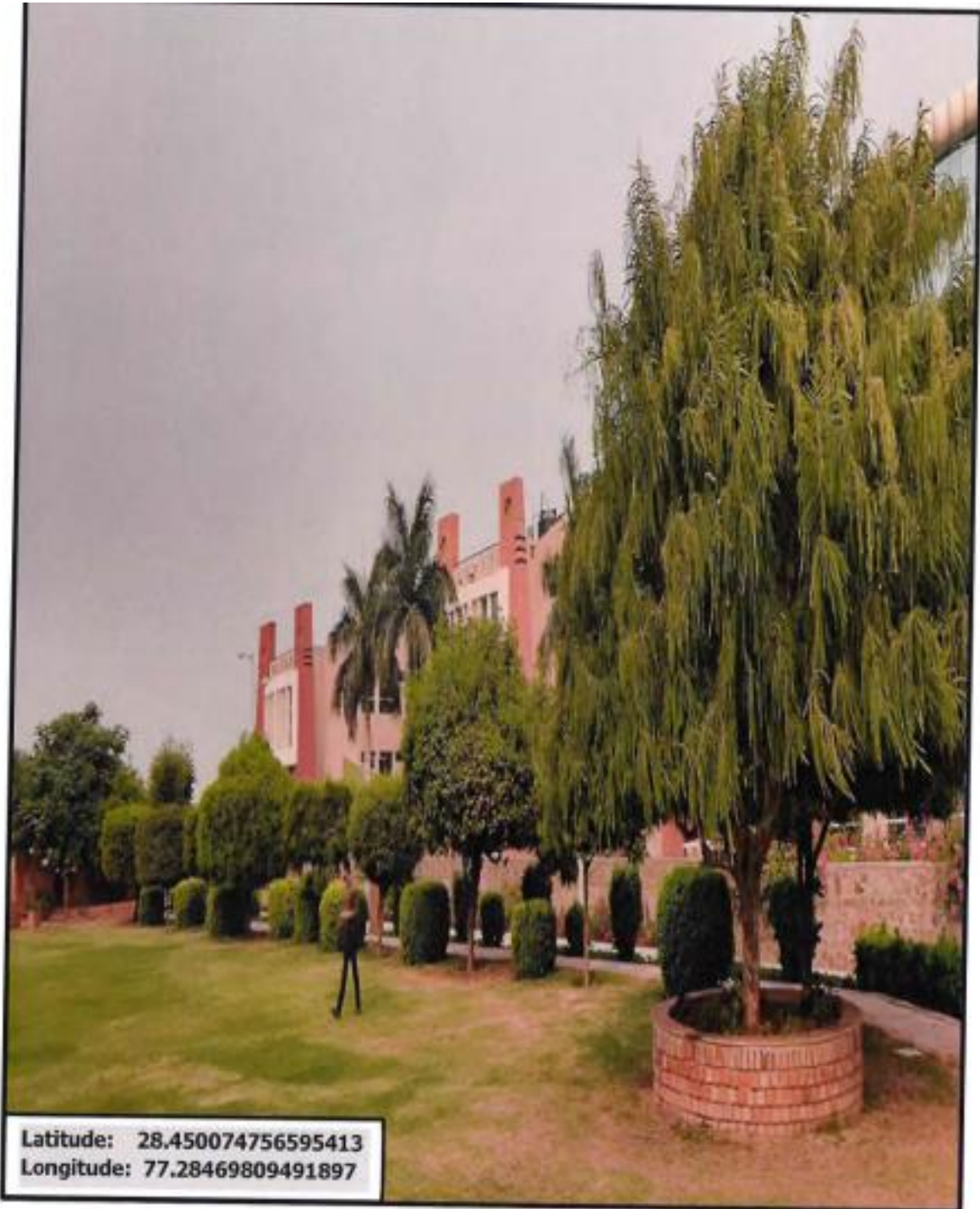
Landscaping with Trees-Gate No. 3

Latitude: 28.449788047232598, Longitude: 77.28254509851911
28°26'59.2"N 77°16'57.2"E



Landscaping with Trees- CDC, A Block

**Latitude: 28.45072067393914, Longitude: 77.28337371515343
28°27'02.6"N 77°17'00.2"E**



Landscaping with Trees- Central Lawn Alternate View

Latitude: 28.450074756595413, Longitude: 77.28469809491897
28°27'00.3"N 77°17'04.9"E



Latitude: 28.451050340323565
Longitude: 77.28648839456686

Manav Rachna Campus road- T and Q Block

Latitude: 28.451050340323565, Longitude: 77.28648839456686
28°27'03.8"N 77°17'11.4"E



Latitude: 28.44944074287008
Longitude: 77.28447522072646

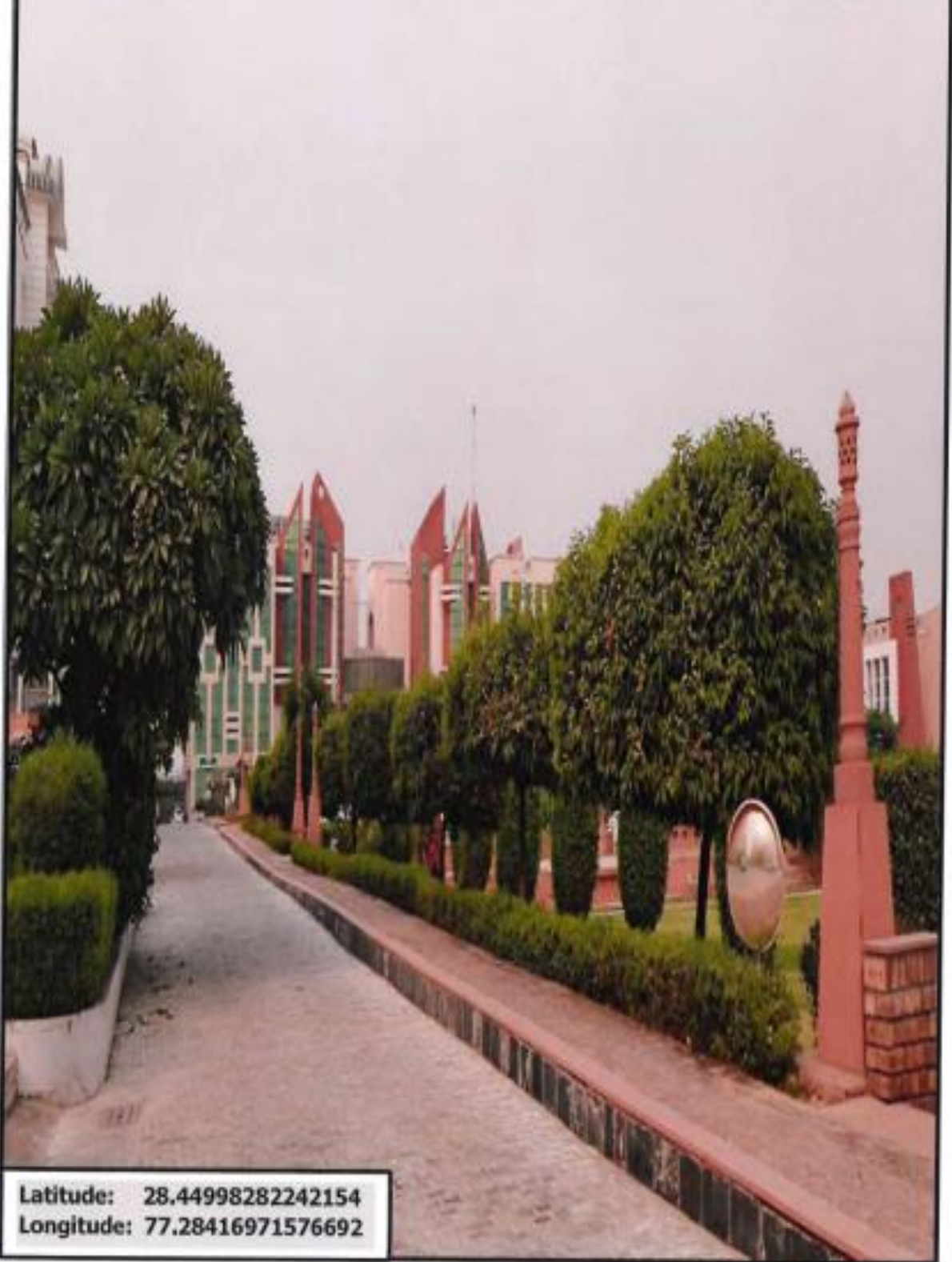
Manav rachna Campus Road

Latitude: 28.44944074287008, Longitude: 77.28447522072646
28°26'58.0"N 77°17'04.1"E



Landscaping with Trees- Central Lawn

Latitude: 28.449973365755245, Longitude: 77.28423407276927
28°26'59.9"N 77°17'03.2"E



Latitude: 28.44998282242154
Longitude: 77.28416971576692

Landscaping with Trees- Central Lawn, E and F Block

Latitude: 28.44998282242154, Longitude: 77.28416971576692
28°26'59.9"N 77°17'03.0"E



Landscaping of Trees- Between B and C Block

Latitude: 28.449905049738092, Longitude: 77.28381027992718
28°26'59.7"N 77°17'01.7"E