

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	Jungle cork tree	<i>Holopteleaintergrifolia</i>	http://mrcmpp.in/wp-content/uploads/2022/06/1.-Holoptelea.pdf
2	Neem	<i>Azadirachta indica</i>	http://mrcmpp.in/wp-content/uploads/2022/06/2.-Neem.pdf
3	Blackboard Tree	<i>Alastoniascholaris</i>	http://mrcmpp.in/wp-content/uploads/2022/06/3.-Alstonia.pdf
4	Amaltas	<i>Cassia fistula</i>	http://mrcmpp.in/wp-content/uploads/2022/06/9.-Amaltas.pdf
5	Chitta Gong Wood	<i>Chukrasiatabularis</i>	http://mrcmpp.in/wp-content/uploads/2022/06/11.-Chakresia.pdf
6	Maulsari	<i>Mimusopselengi</i>	http://mrcmpp.in/wp-content/uploads/2022/06/19-Maulsari-.pdf
7	Jacaranda	<i>Jacaranda minosifolia</i>	http://mrcmpp.in/wp-content/uploads/2022/06/27.Jacaranda.pdf
8	Champa	<i>Mangoliachampaca</i>	http://mrcmpp.in/wp-content/uploads/2022/06/36-Champa.pdf
9	Fan palm	<i>Livistona chinensis</i>	http://mrcmpp.in/wp-content/uploads/2022/06/37-Fan-Palm.pdf
10	Bougainvillea	<i>Bougainvillea glabra</i>	http://mrcmpp.in/wp-content/uploads/2022/06/178-Bougainvillea.pdf
11	Peepal	<i>Ficus religiosa</i>	http://mrcmpp.in/wp-content/uploads/2022/06/42.-Peepal.pdf
12	Mulberry	<i>Morus alba</i>	http://mrcmpp.in/wp-content/uploads/2022/06/43-Mulberry.pdf
13	Bel Patra	<i>Aegle marmelos</i>	http://mrcmpp.in/wp-content/uploads/2022/06/45.-Bael-Patra.pdf
14	Gulmohar	<i>Delonix regia</i>	http://mrcmpp.in/wp-content/uploads/2022/06/47.-Gulmohar.pdf
15	Dhak	<i>Butea monosperma</i>	http://mrcmpp.in/wp-content/uploads/2022/06/49-Dhak.pdf
16	Kadamb	<i>Neolamarckiacadamba</i>	http://mrcmpp.in/wp-content/uploads/2022/06/52-Kadamb-.pdf
17	Pride of India	<i>Lagerstroemia speciosa</i>	http://mrcmpp.in/wp-content/uploads/2022/06/68-Lagerstroemia-speciosa.pdf
18	Lemon	<i>Citrus limon</i>	http://mrcmpp.in/wp-content/uploads/2022/06/71.-Citrus-limon-new.pdf
19	Phoenix palm	<i>Phoenix canariensis</i>	http://mrcmpp.in/wp-content/uploads/2022/06/84-phoenix-palm.pdf
20	Indian Laurel fig	<i>Ficus retusa</i>	http://mrcmpp.in/wp-content/uploads/2022/06/99-ficus-retusa.pdf
21	Fire Dragon	<i>Acalypha wilkesiana</i>	http://mrcmpp.in/wp-content/uploads/2022/06/107-Acalypha.pdf
22	Golden duranta	<i>Duranta repens</i>	http://mrcmpp.in/wp-content/uploads/2022/06/108-Golden-Duranta.pdf
23	Bag flower, Wild jasmine	<i>Clerodendruminermi</i>	http://mrcmpp.in/wp-content/uploads/2022/06/109-Clerodendron-inermi.pdf
24	Lady Palm	<i>RhapisExcelsa</i>	http://mrcmpp.in/wp-content/uploads/2022/06/110-Lady-Palm.pdf
25	Cape honeysuckle	<i>Tecoma capensis</i>	http://mrcmpp.in/wp-content/uploads/2022/06/111-Tecoma-capensis.pdf
26	Buddha's belly bamboo	<i>Bambusaventricosa</i>	http://mrcmpp.in/wp-content/uploads/2022/06/112-bamboo.pdf

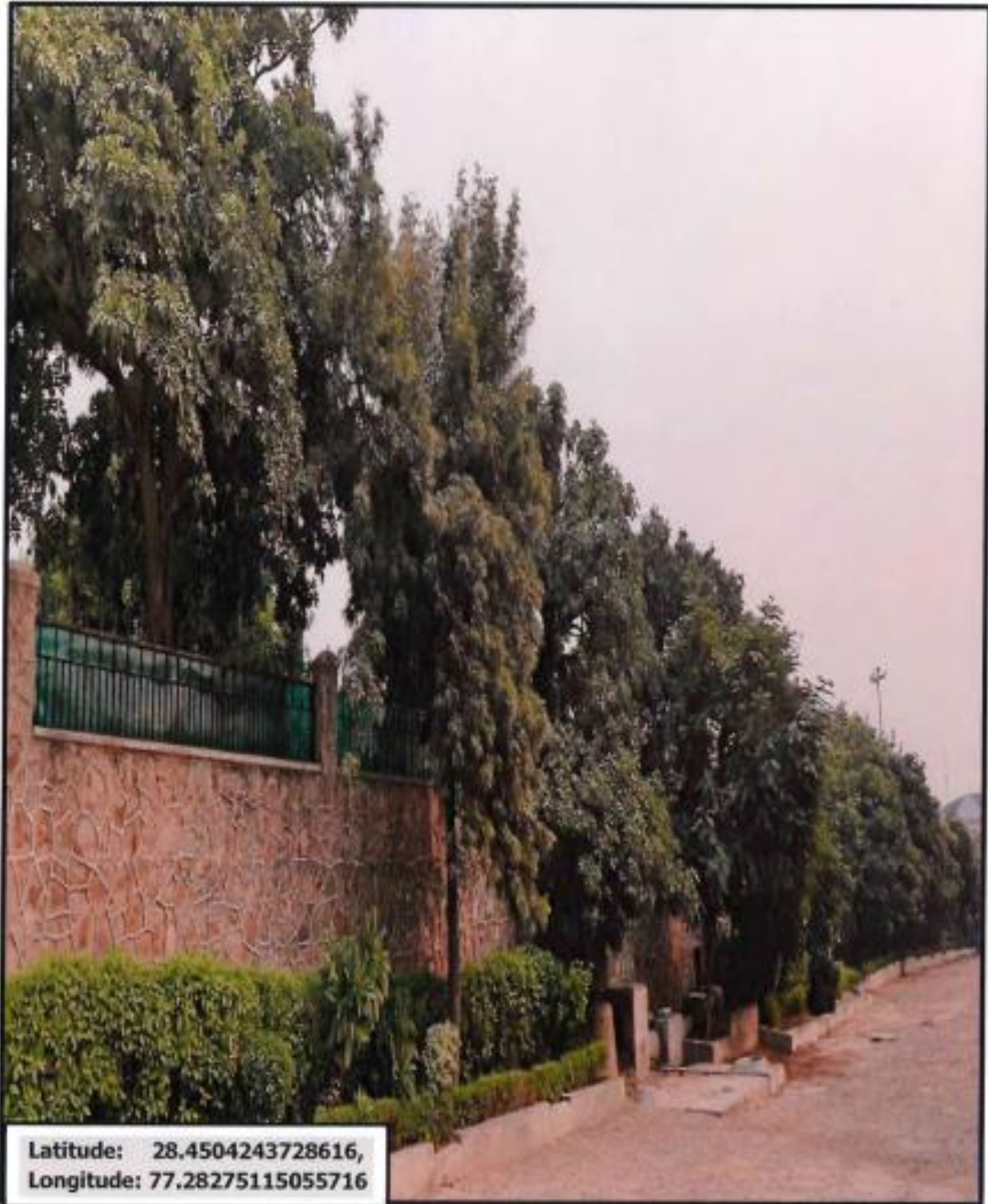
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27	Vrindavan Champa	<i>Plumeria pudica</i>	http://mrcmpp.in/wp-content/uploads/2022/06/113.-Vrindavan-champa.pdf
28	Croton	<i>Codiaeum variegatum</i>	http://mrcmpp.in/wp-content/uploads/2022/06/114.-Croton.pdf
29	Chandni (Single)	<i>Tabernaemontanadivariata</i>	http://mrcmpp.in/wp-content/uploads/2022/06/115-Chandini.pdf
30	Century plant	<i>Furcraeafoetida</i>	http://mrcmpp.in/wp-content/uploads/2022/06/116.-Century-plant.pdf

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

✓ **Video of MRIIRS lush green Campus**



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

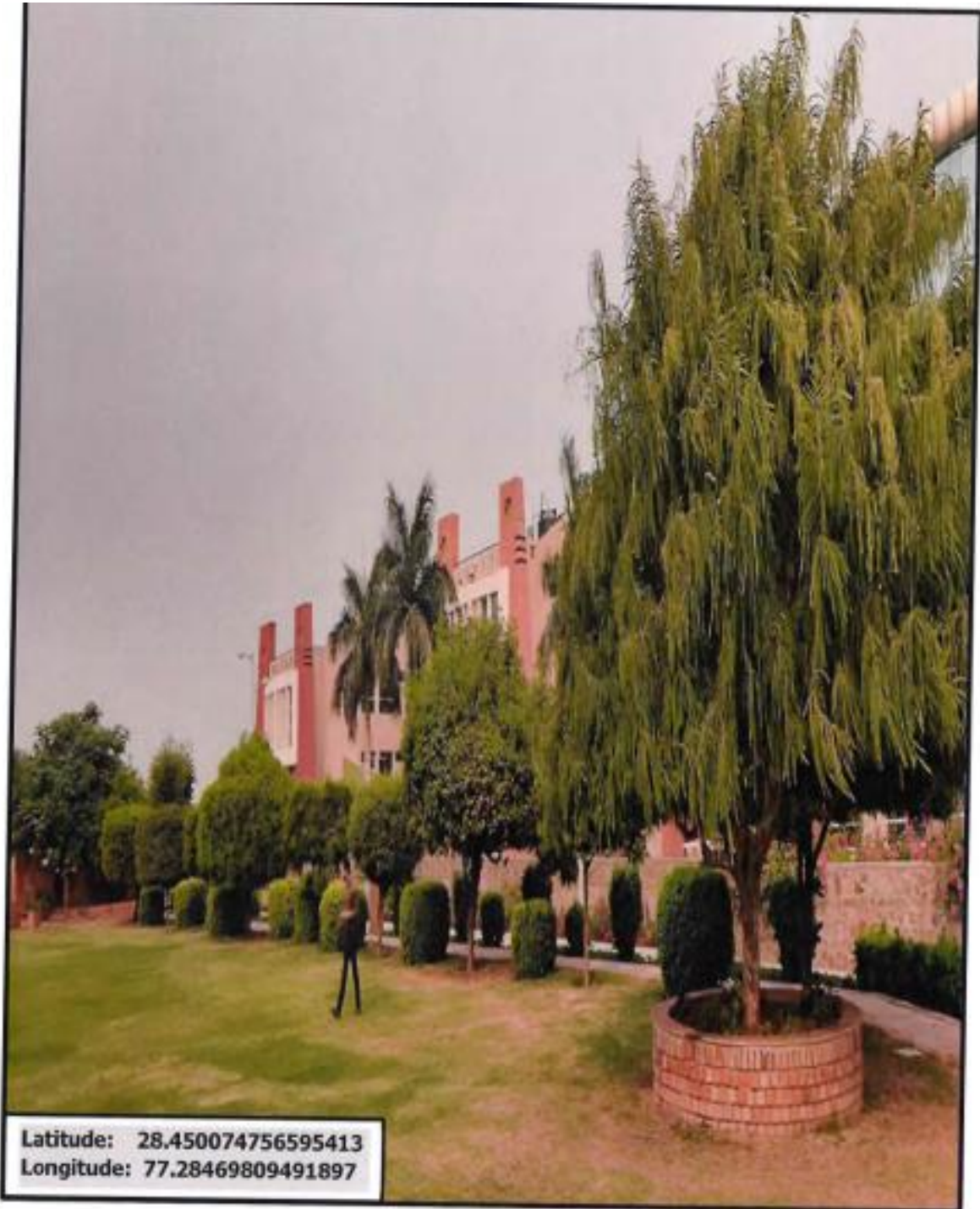
Landscaping with Trees-Gate No. 3

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**



Latitude: 28.450074756595413
Longitude: 77.28469809491897

Landscaping with Trees- Central Lawn Alternate View

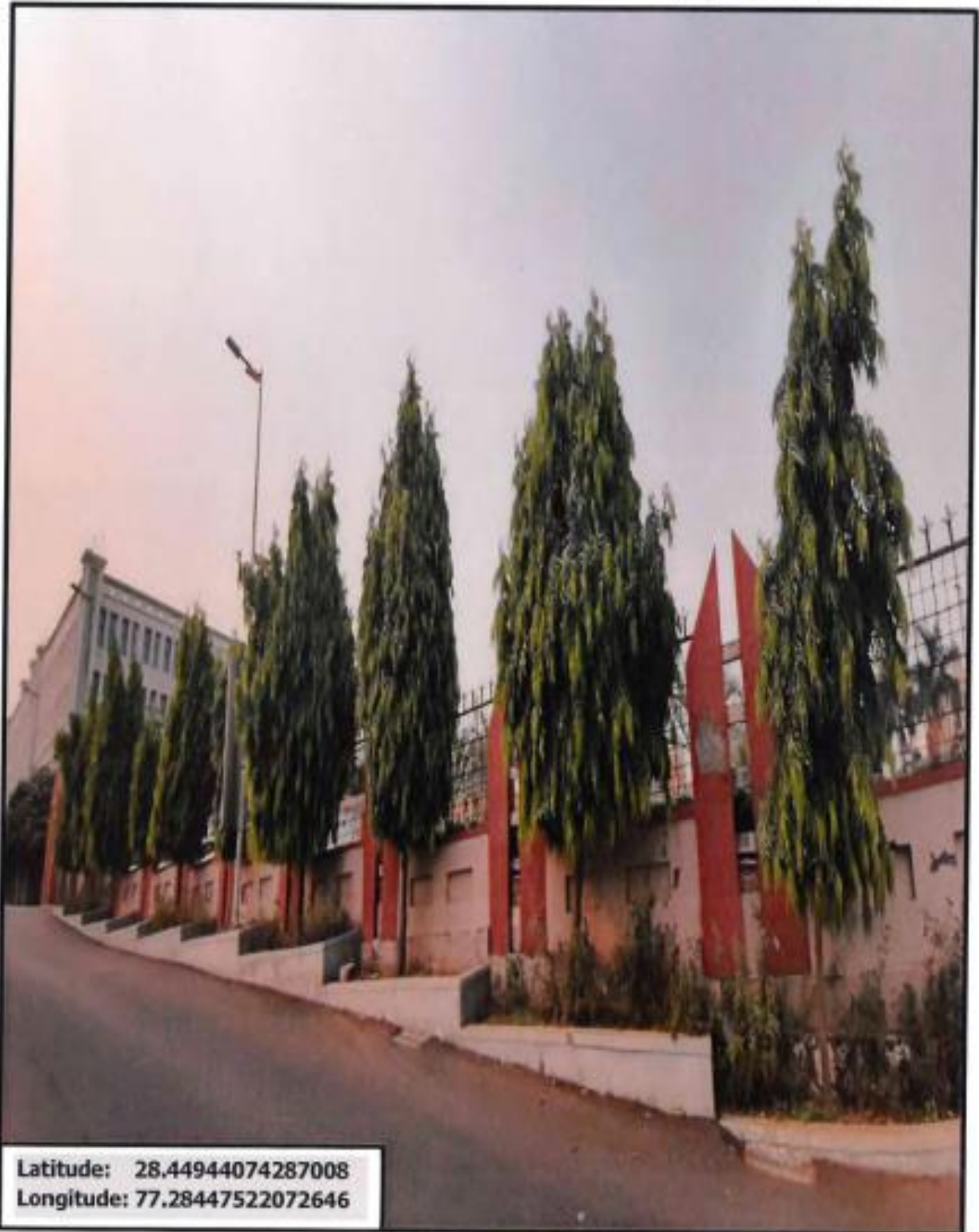
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28°27'00.3"N 77°17'04.9"E



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

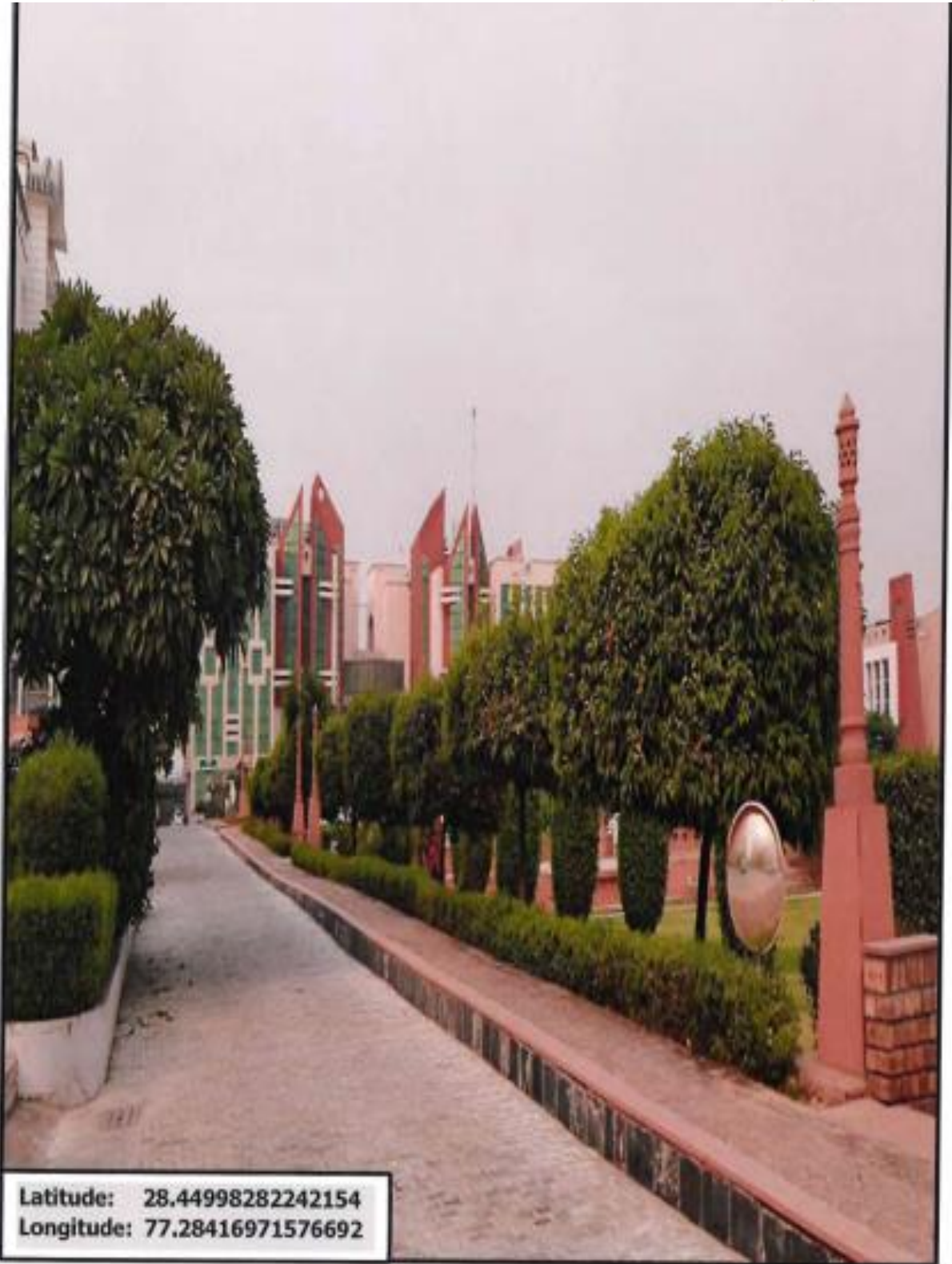
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28°26'58.0"N 77°17'04.1"E



Latitude: 28.449973365755245
Longitude: 77.28423407276927

Landscaping with Trees- Central Lawn

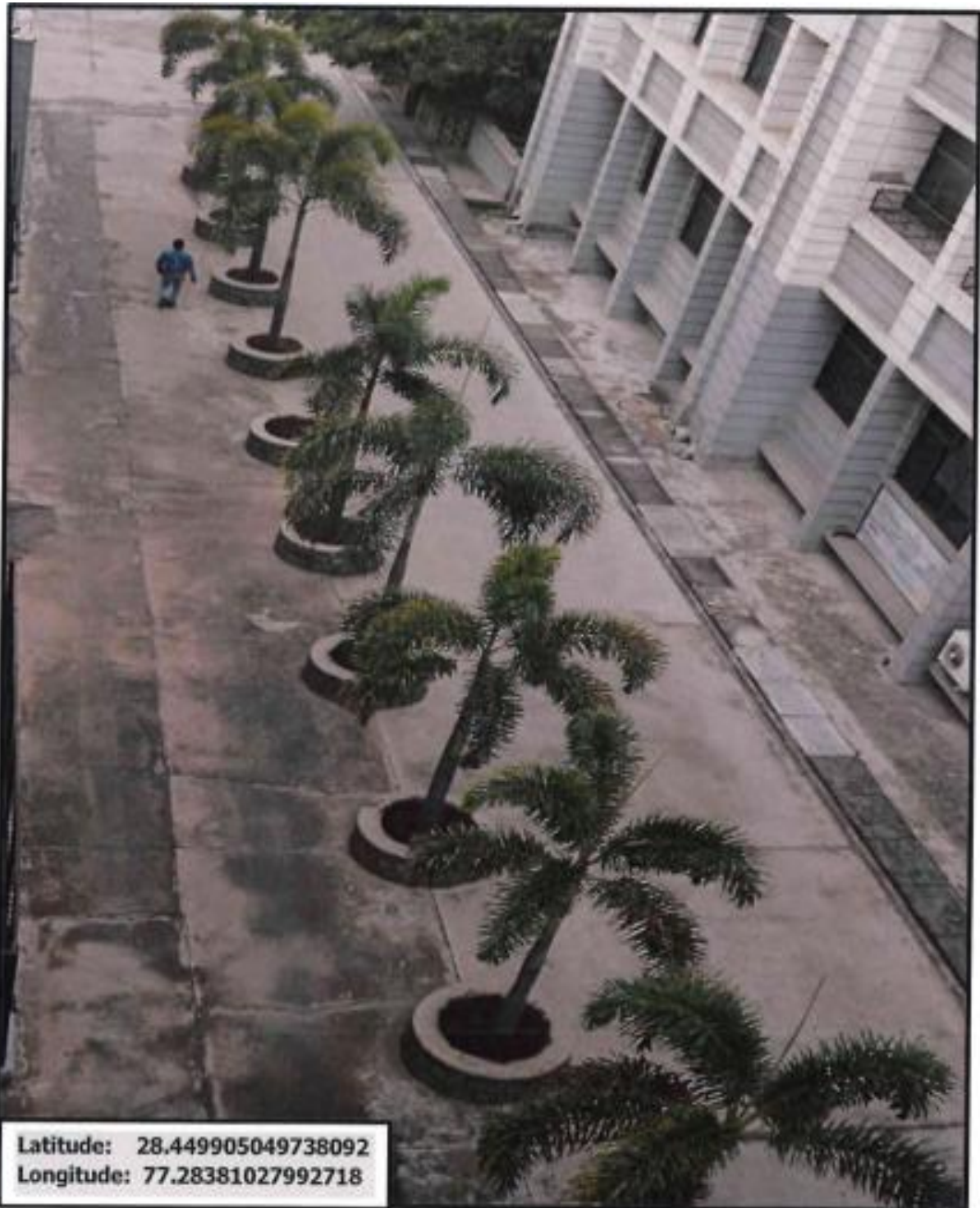
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28°26'59.9"N 77°17'03.2"E



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