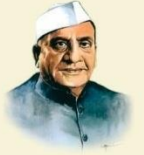




SHRI SHIVAJI EDUCATION SOCIETY, AMRAVATI'S
SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI



NAAC Accredited by Grade A with CGPA 3.13 (3rd Cycle)
UGC awarded status of College with Potential for Excellence (2nd Phase)
ISO 9000:2015 Certified College

Identified by DST , Govt. Of India for FIST & Sant GadgeBaba Amravati University as Lead College



4TH Cycle

Assessment & Accreditation by NAAC

Criterion-VII

INSTITUTIONAL VALUES AND BEST PRACTICES

QnM – 7.1.4

Water conservation facilities available in the Institution:

Contents

a. Rain water harvesting	Y
b. Borewell /Open well recharge	Y
c. Construction of tanks and bunds	Y
d. Waste water recycling	Y
e. Maintenance of water bodies and distribution system in the campus	Y

a) Rainwater Harvesting	4
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Accredited by NAAC with 'A' grade with a CGPA of 3.13
UGC Awarded College with Potential for Excellence ISO 9000:2015 certified College
Identified by DST for FIST and SGB Amravati University as Lead College

Shri Shivaji Science College

Shivaji Nagar, Morshi Road, Amravati - 444 603 M.S.

❖ *Founder* : Dr. Panjabrao Alias Bhausahab Deshmukh
❖ *President* : Hon. Shri Harshwardhan P. Deshmukh
❖ *Principal* : Dr. G. V. Korpe

E-mail : shivajiscamt.office@gmail.com
Web Site : www.shivajiscamt.org
(O) 2660855; (Fax) 2665485; (R) 2551400

Ref. No.: SSSC/6471/IQAC/2021


Date: Nov. 22nd, 2021

Declaration

The information, reports, true copies of the supporting documents, numerical data, etc.

furnished in this file is verified by IQAC and found correct.

Hence this certificate.


H. S. Lunge
IQAC Coordinator
Shri Shivaji Science College
Amravati

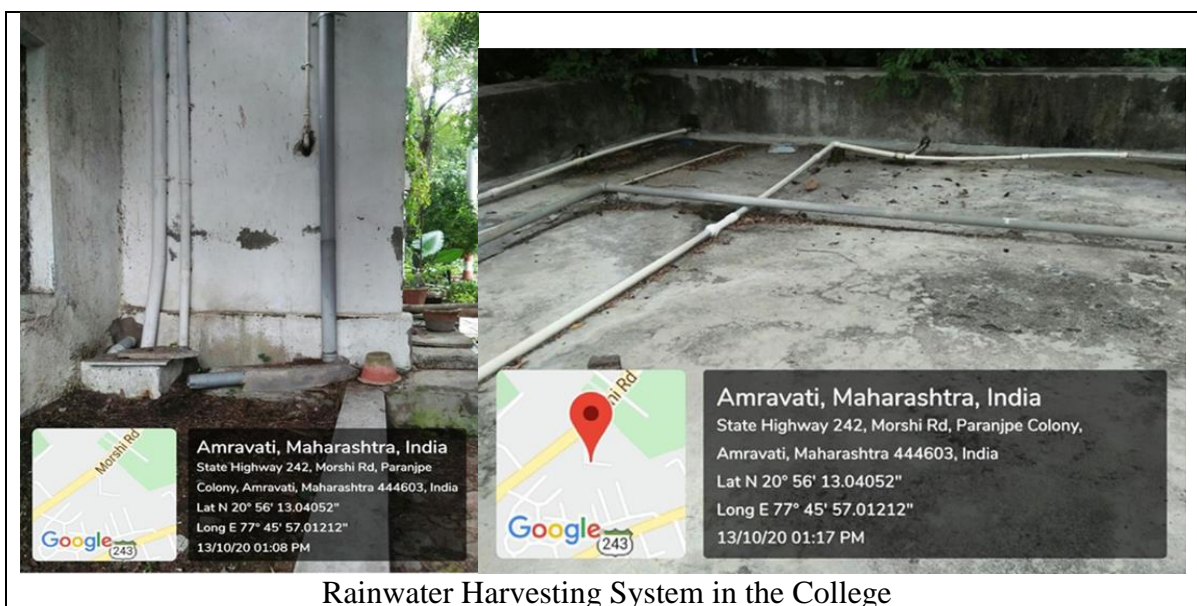



G. V. Korpe
Chairman IQAC and Principal
Shri Shivaji Science College,
Amravati

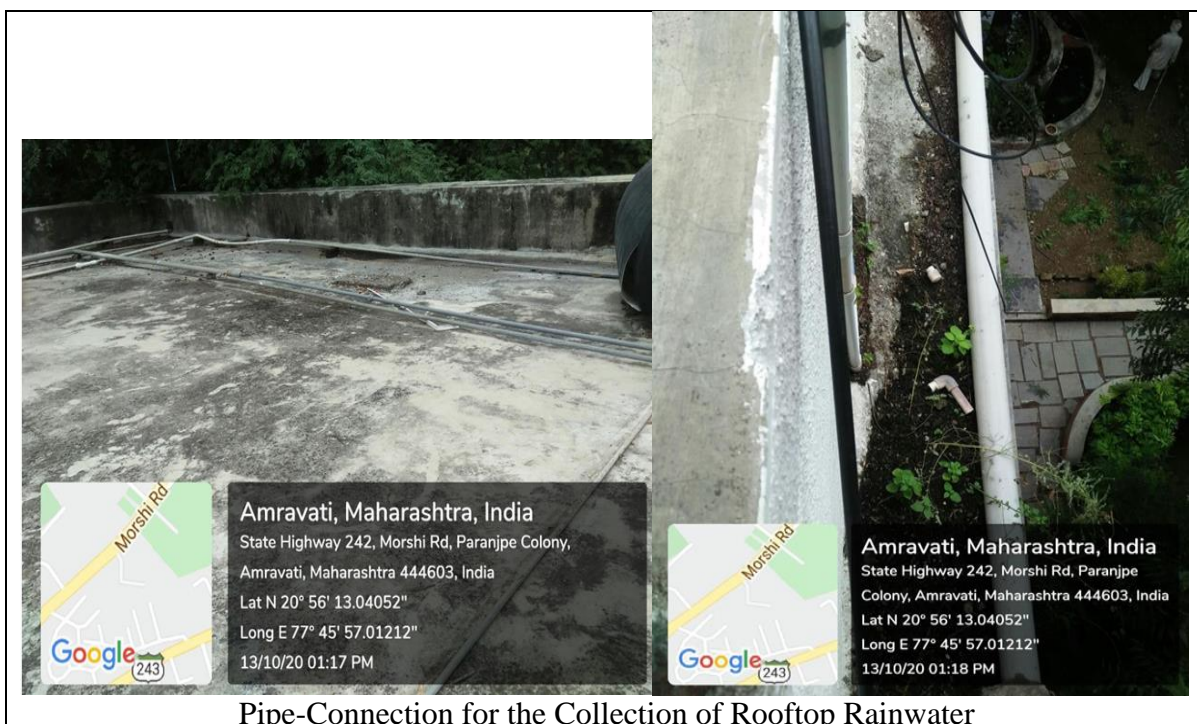
a) Rainwater Harvesting

1)Roof-top Rainwater Harvesting System

The college ensures rain-water conservation through rainwater harvesting. The rain water from the roof top outlets is carried through the well-connected pipelines to the wells or is collected in the large water harvesting tanks and the overflowing rain-water from these tanks is discharged in the soak-pits for ground water recharge.

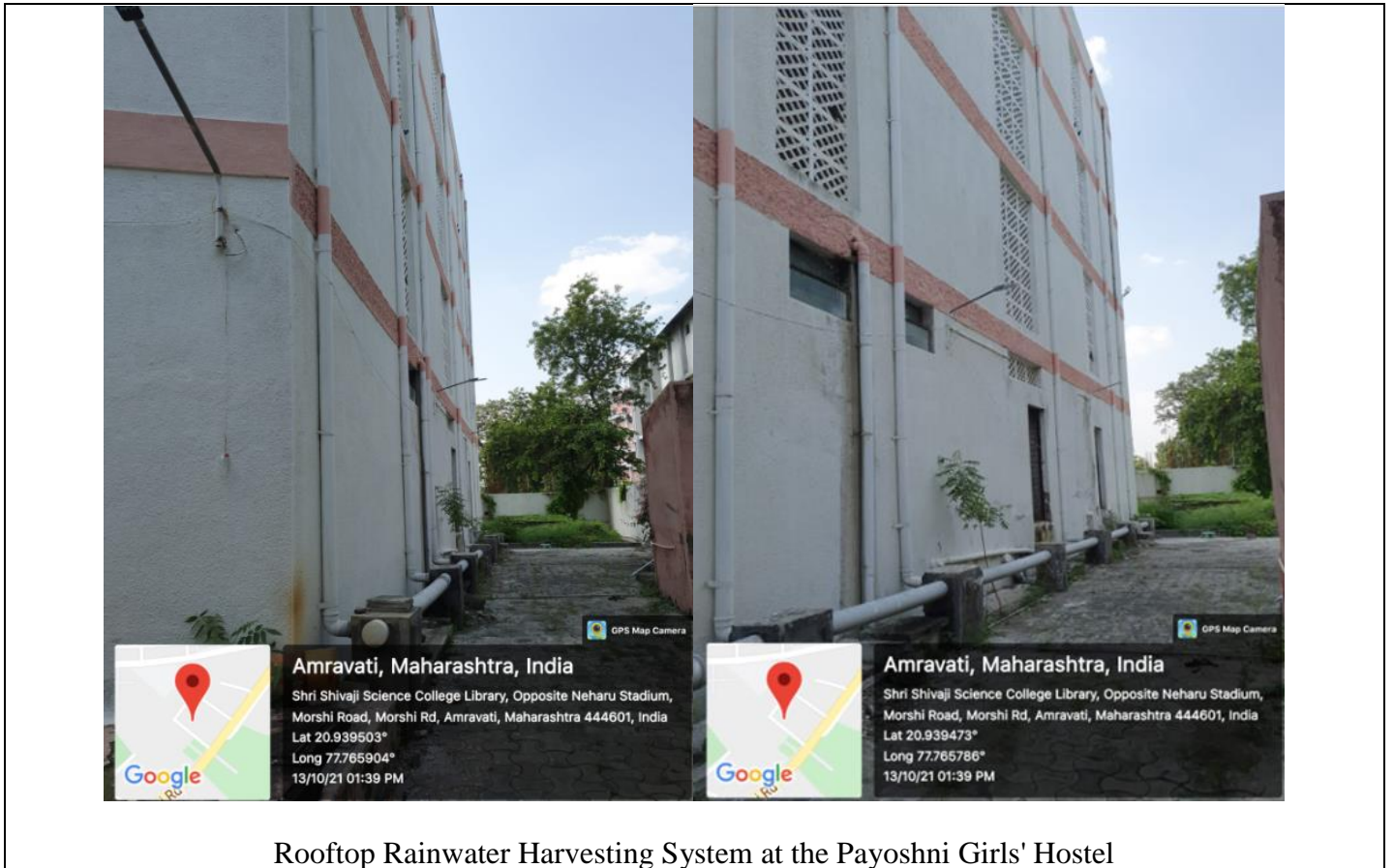


Rainwater Harvesting System in the College



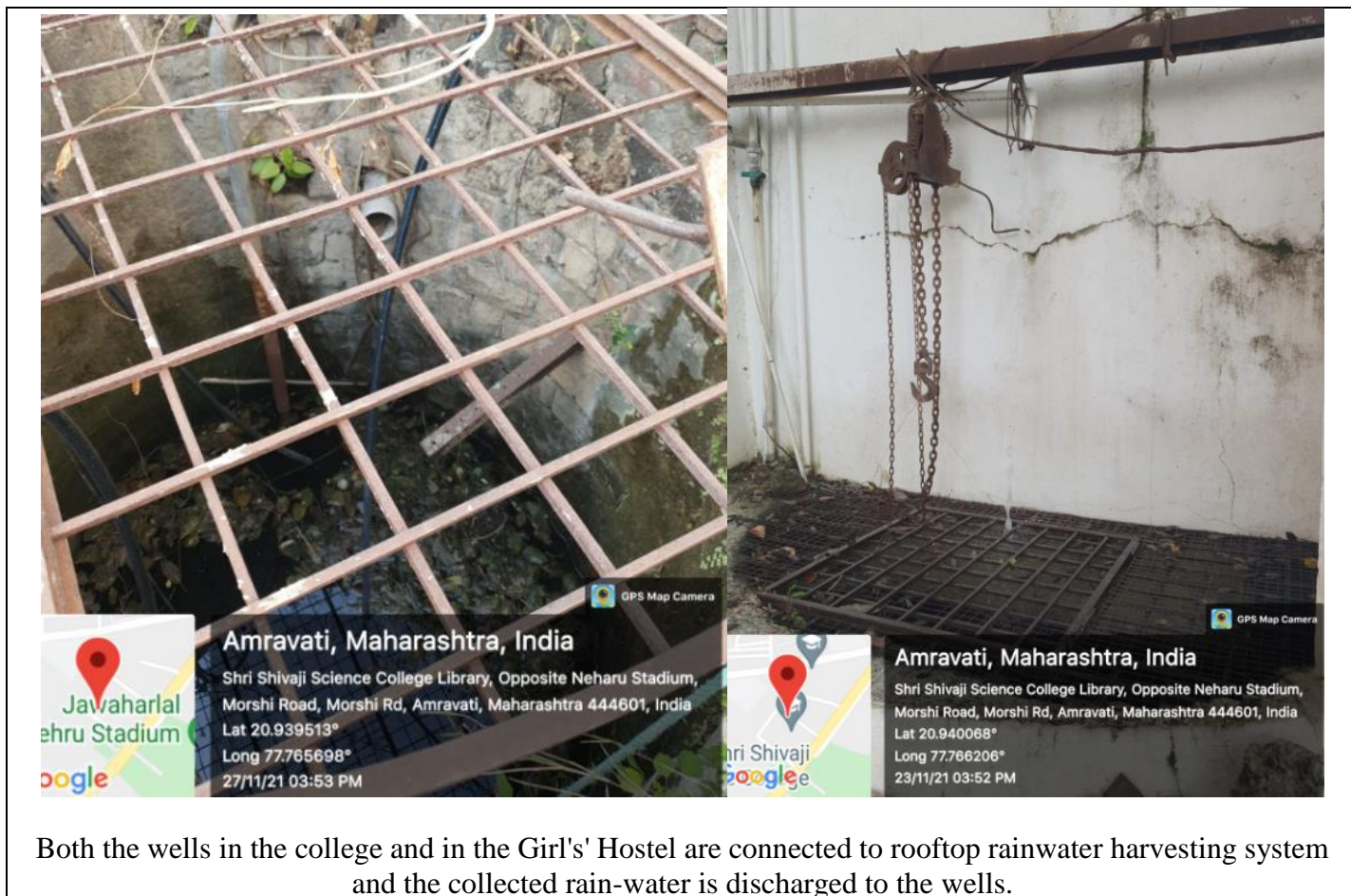
Pipe-Connection for the Collection of Rooftop Rainwater

2) Roof-top Rainwater Harvesting System in the Payoshni Girls Hostel



b) Borewell /Open Well Recharge

Both the wells in the college and in the Girl's' Hostel are connected to rooftop rainwater harvesting system and the collected rain-water is discharged to the wells.



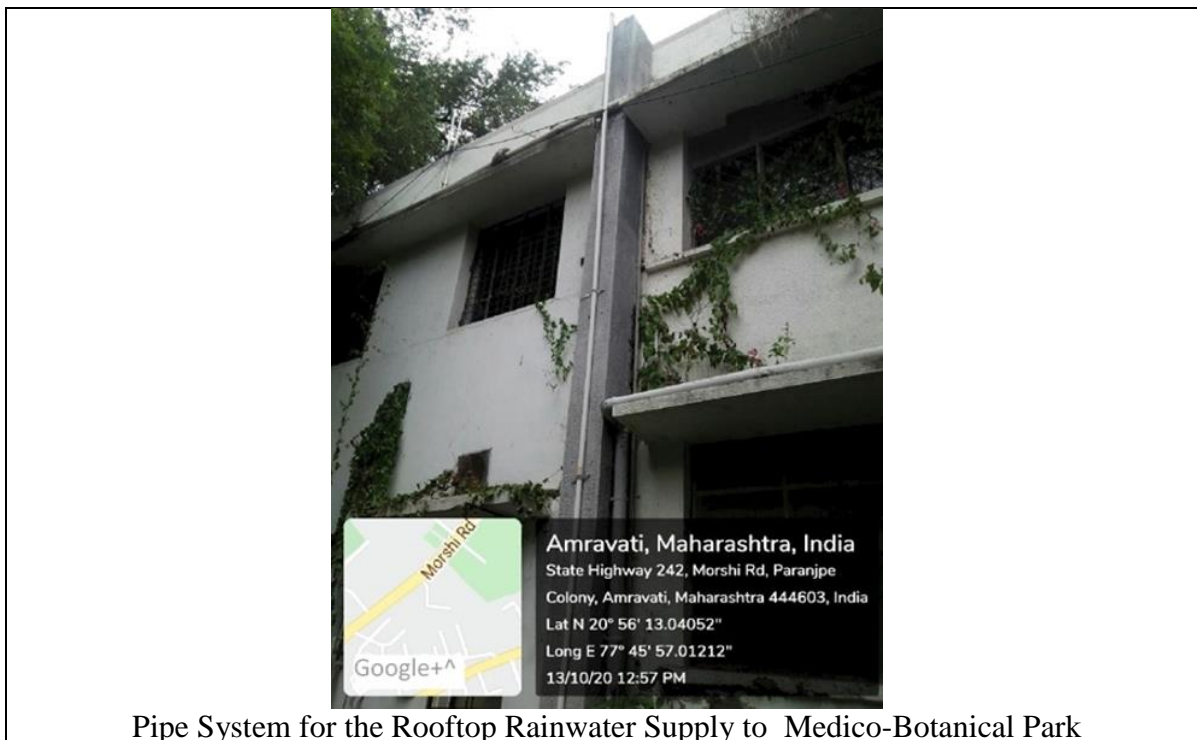
Both the wells in the college and in the Girl's' Hostel are connected to rooftop rainwater harvesting system and the collected rain-water is discharged to the wells.

c) Construction of Tanks and Bunds

1) Rain-water Supply to the Medico-Botanical Park in the College

Rain water collected in the tank is supplied to the plants in the Medico- Botanical Garden of the college.





Pipe System for the Rooftop Rainwater Supply to Medico-Botanical Park

2) Construction of Tanks For Rainwater Harvesting

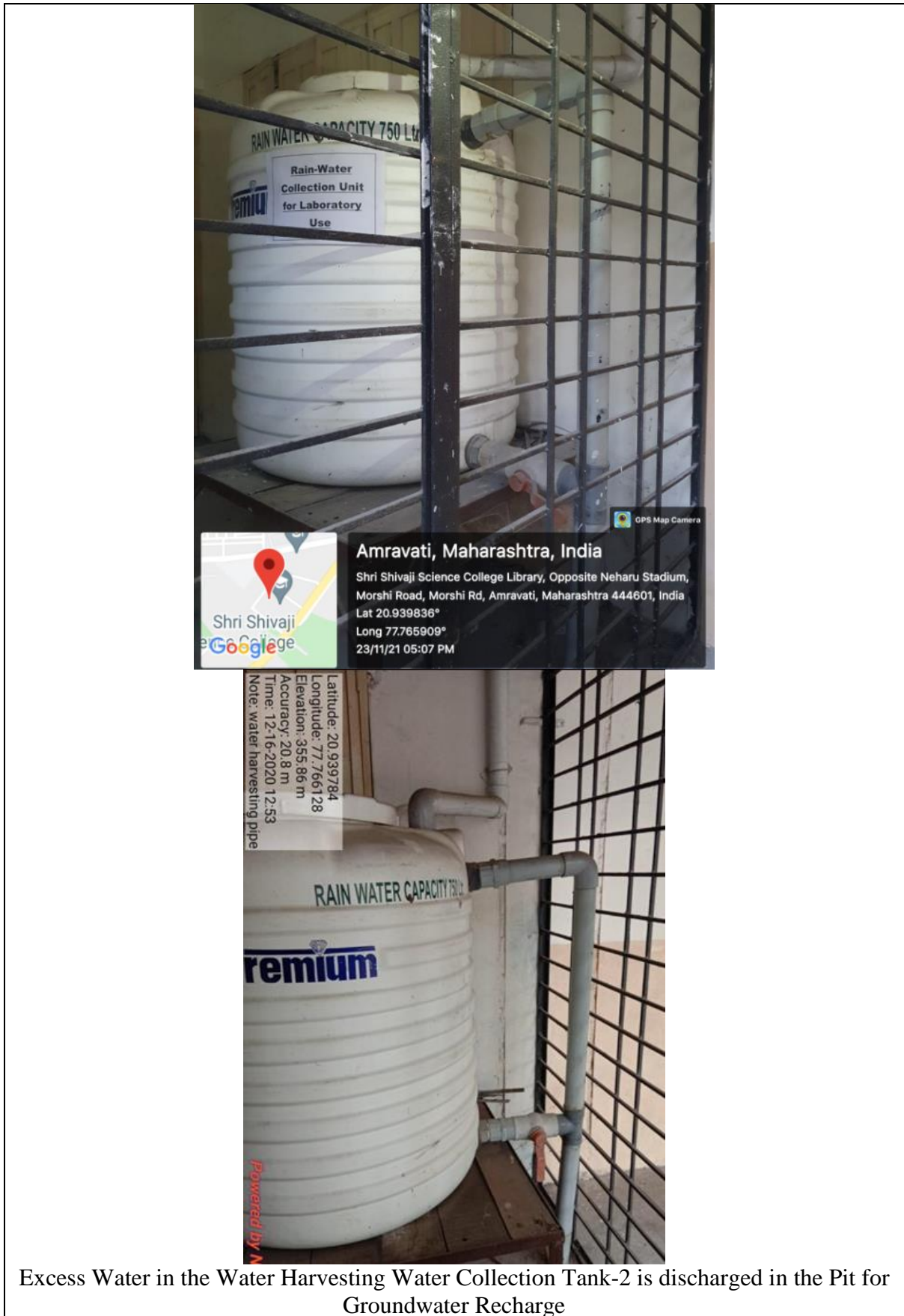
The college has established two tanks near the Department of Chemistry for the collection of rain-water which is used for the laboratory use. In addition to this, the overflowing rain water from these tanks is carried to the soak pit for ground water recharge.



Rain-Water Harvesting - Water Collection Tank-1



Pit for the Excess Water in the Water Harvesting Water Collection Tank for Groundwater Recharge



3) Construction of Earthen Nala Bunds by NSS volunteers

Outdoor Activity by NSS

In NSS camp 2018-19 students with Dr. Tushar Wankhede NSS program In-charge built an Earthen Nala Bund (ENB) for ground water recharge in the adopted village - New Akola by the NSS unit of the college.



Construction of ENB for increasing groundwater recharge by the NSS students in the NSS Camp of Our college 2018-19




Construction of ENB for increasing groundwater recharge by the NSS students in the NSS Camp of Our college 2019-20



Construction of ENB for increasing groundwater recharge by the NSS students in the NSS Camp of Our college 2019-20

d) Waste water recycling

Shri Shivaji Science College, Amravati has agreement with SMS company to carry out hazardous chemicals from special tanks constructed outside Chemistry laboratory as a part of Waste management. The hazardous chemicals carried away by SMS company are taken to “Common Effluent Treatment Plant”, MIDC, Amravati. After processing of hazardous chemicals at “Common Effluent Treatment Plant” college receives back treated water and is used in college for various purposes excluding drinking.


SMS

Ref: SMS/CETP/AMT/20-21/292 **Date: 19.10.2020**

To,
The Principal
Shri Shivaji Science College,
Morshi Road, Amravati.

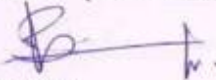
Subject: Permission to dispose Effluent at CETP, Nandgaon Peth
Reference : Your letter dated 13/10/2020

Dear Sir,

With reference to your letter dated 13/10/2020, we are ready to accept 1000 litter effluent generated during every two month at your Chemical Testing Laboratory for final treatment and disposal, as per following terms

- 1) You will have to comply all statutory/ legal requirements if any.
- 2) You will be responsible for safe Transportation of effluent.
- 3) Disposal Charges will be Rs. 126/- per 1000 litter plus GST.

Regards with best wishes
For SMS Ltd. (CETP Amravati)


(C P Sarkar)

Cc : Executive Engineer MIDC, Amravati Division, Amravati

SMS LIMITED
(Formerly SMS Infrastructure Limited)

Registered & Corporate Office: IT Park, 20, S.T.P.I., Gayatri Nagar, Parsodi, Nagpur – 440 022 (India)
Ph.: +91-712-6665000, 7125000, Fax: +91-712-6665100, E-mail: info@smsl.co.in, Web: www.smsl.co.in
CIN No.: U45201MH1997PLC107906

Permission Letter for the disposal of Chemical Effluent from the College to the SMS Ltd., CEPT,
Nandagaon Peth

Accredited by NAAC with "A" grade with a CGPA of 3.13
College with Potential for Excellence

Shri Shivaji Science College

Shivaji Nagar, Morshi Road, Amravati.

Office : 2660885

❖ Founder : Dr. Panjabrao Alis Bhausaheb Deshmukh

❖ President : Sh. Harshvardhan P. Deshmukh

❖ Principal : Dr. V. G. Thakare

❖ E-mail : shivajiscamt.office@gmail.com



Fax/Ph. : 2665485

Resi. : 2551400

Ref.No. SC/ / /

Date : 13.10.2020

To
The Executive Engineer,
MIDC, Amravati

Subject: For disposal of chemical effluent generated in the Chemistry laboratories of B.Sc and M.Sc.

Dear Sir,

This is to request you for the disposal of our chemistry laboratory waste effluent in your COMMON EFFLUENT TREATMENT PLANT, MIDC, NANDGAON PETH, AMRAVATI. Our laboratory waste liquid is collected nearly 1000 Lt. in two month. To avoid soil and water pollution we request you to collect and chemically dispose off this effluent. We will have to submit this laboratory waste three times a year. Please give us all details with charges and your permission letter for this process. We wish for your support to stop this pollution.

Thank you.

Yours faithfully,


Principal
Shri Shivaji Science College,
AMRAVATI.

Letter to the Executive Engineer of MIDC, Amravati for the Disposal of Chemical Effluent generated in the Chemical laboratories of B.Sc. and M.Sc. of the college



Ref. No.- SMS/CETP/AMT/388

Date: - 03/12/2021

To Whomsoever It May Concern

This is to certify that **Common Effluent Treatment Plant situated at MIDC, Nandgaonpeth Amravati** is working on ZLD basis, where treated water is returned to respective member for further reuse. Quality of treated water is maintained as follows

- i) pH : 7.0 to 8.5
- ii) BOD : < 5 ppm
- iii) COD : < 30 ppm
- iv) TDS : < 750 ppm

The treated water is recommended to use for all purpose except drinking

**For Common Effluent Treatment Plant
MIDC, Nandgaonpeth**

A handwritten signature in blue ink, appearing to be 'C. P. Sarkar', with a horizontal line extending to the right and a small arrowhead at the end.

Mr. C. P. Sarkar (Unit Head)

Registered & Corporate Office: IT Park, 20, S.T.P.I., Gayatri Nagar, Parsodi, Nagpur – 440 022 (India)
Ph.: +91-712-6665000, 7125000, Fax: +91-712-6665100, E-mail: info@smsl.co.in, Web: www.smsl.co.in
CIN No.: U45201MH1997PLC107906

SMS LIMITED
(Formerly SMS Infrastructure Limited)

Letter from SMS Limited regarding treatment of waste water and returning to respective members for reuse.

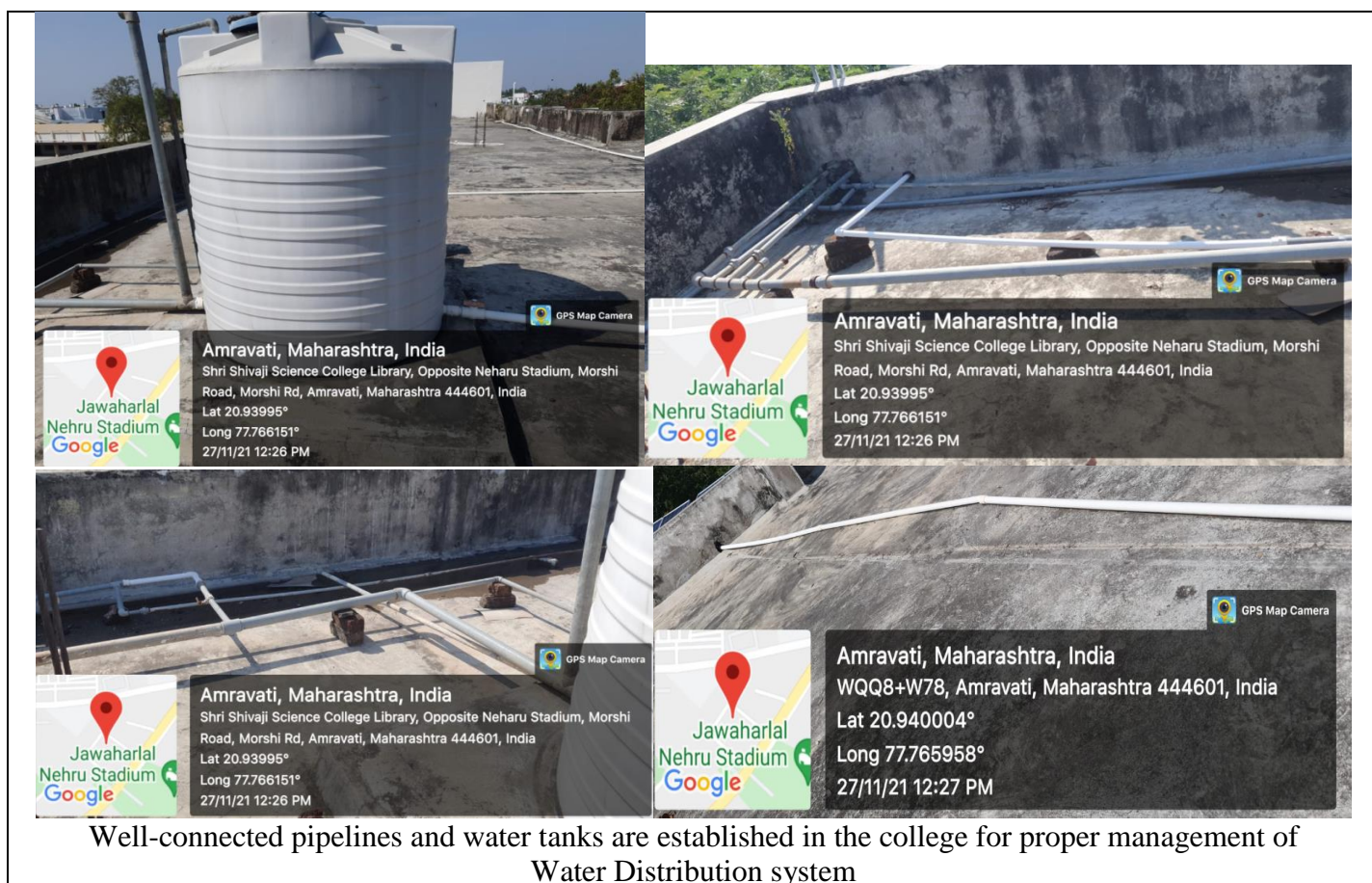
e) Maintenance of Water Bodies and Distribution System In the Campus

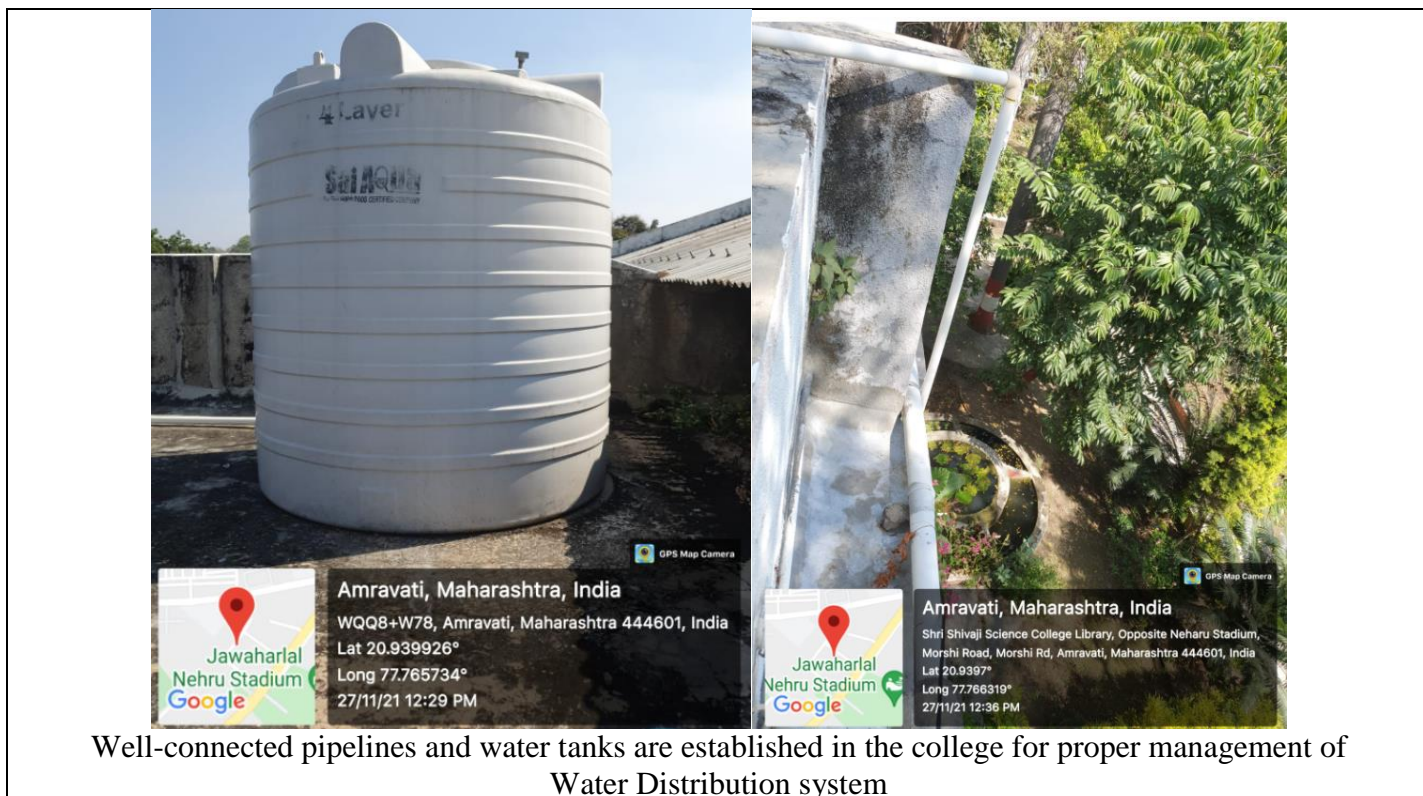
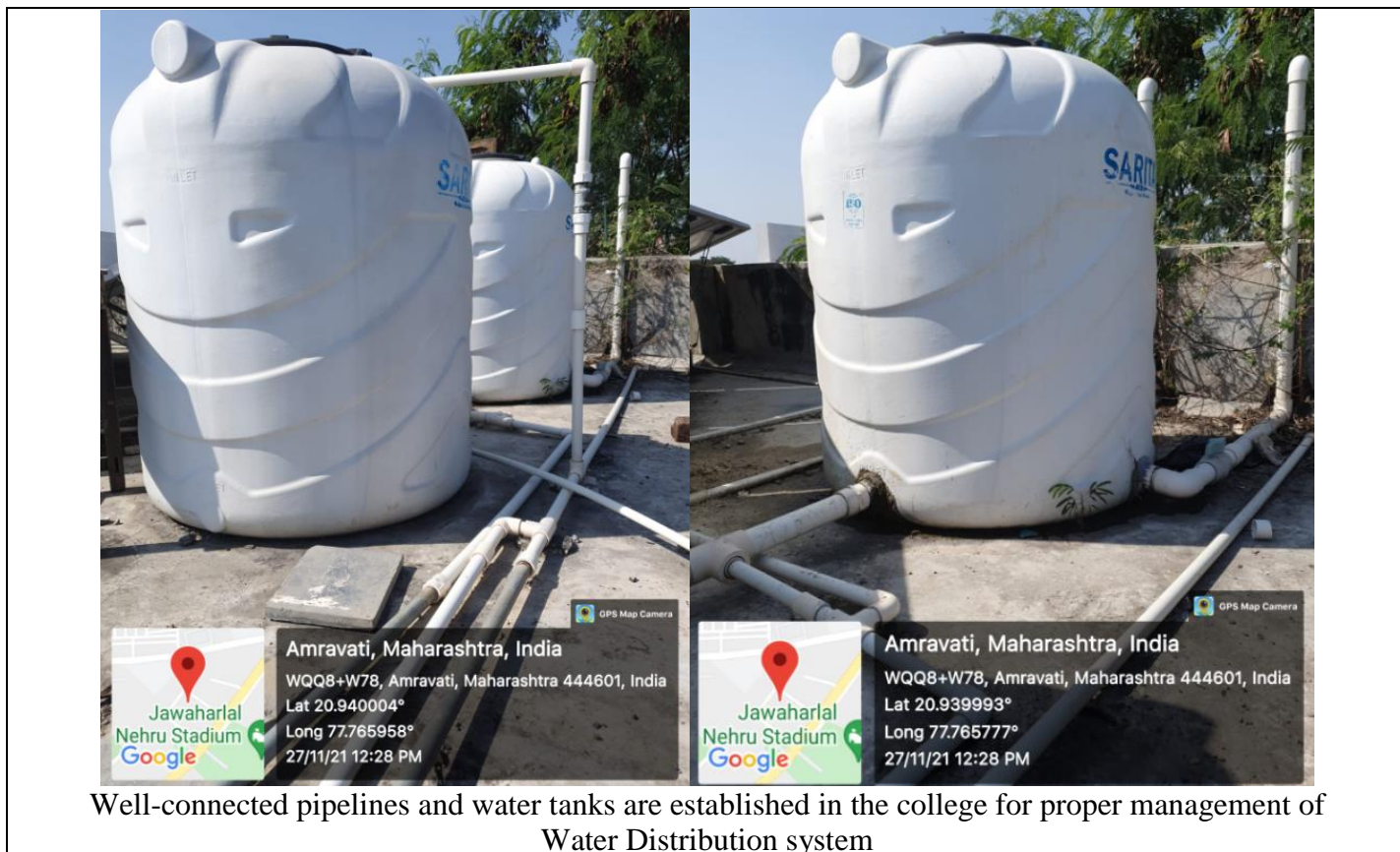
For the drinking water, a separate pipeline from the Amravati Jeevan Pradhikaran is installed. In addition, R.O. water purification plants have been installed at the required places including the Girls’ Hostel for healthy and pure drinking water for the staff and the students. Regular maintenance of the R.O plants is ensured by making servicing/repair whenever required.

The water for all other purposes is supplied through another set of distribution pipes. The college has two wells with ample water. The ground water from the wells is pumped into the storage tanks / elevated service reservoirs located at different places in the campus. The water is distributed through well-laid pipe network.

Entire distribution system is well supervised by the college administration to ensure that there are no leakages and wastages of water through Leakages in the pipelines and the water-taps etc. Regular cleaning of the water tanks is regulated by the administrative staff of the college. All the stakeholders of the college are well-educated to use water economically and efficiently

Rainwater from the different college buildings is taken to the wells for ground-water recharge. A proper care is also taken to keep the Rooftops cleaned so that unnecessary garbage does not mix with the rainwater leading towards the well. The inlets of these tanks is controlled by the ball-valves to avoid water overflows.







Well-connected pipelines and water tanks are established in the college for proper management of Water Distribution system



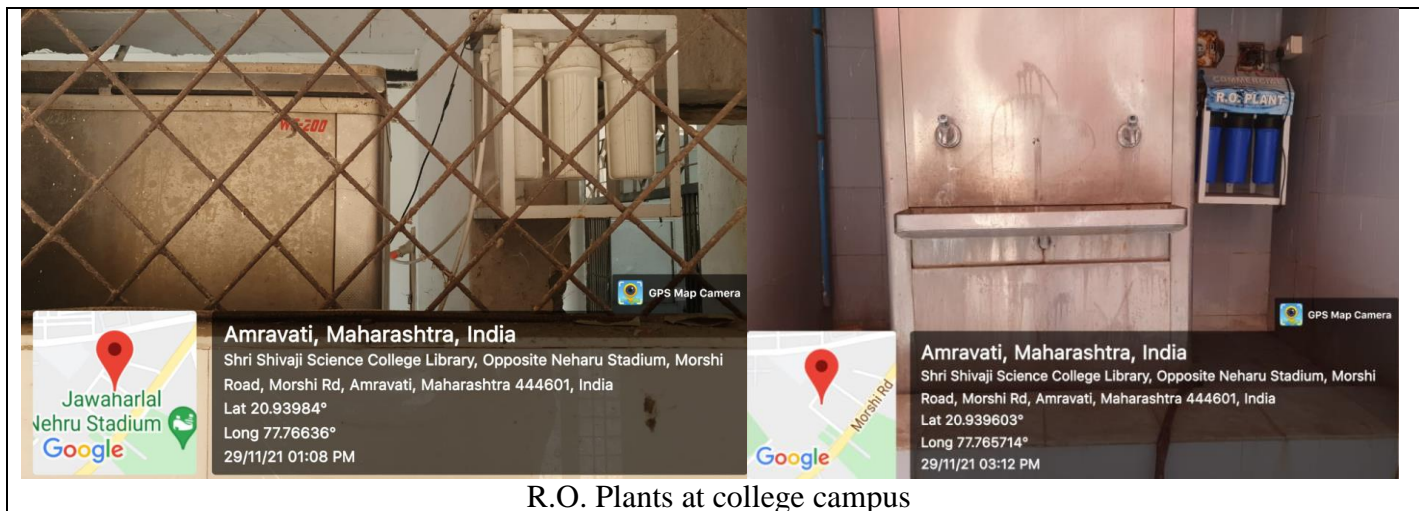
Well-connected pipelines and water tanks are established in the college for proper management of Water Distribution system



Well-connected pipelines and water tanks are established in the college for proper management of Water Distribution system

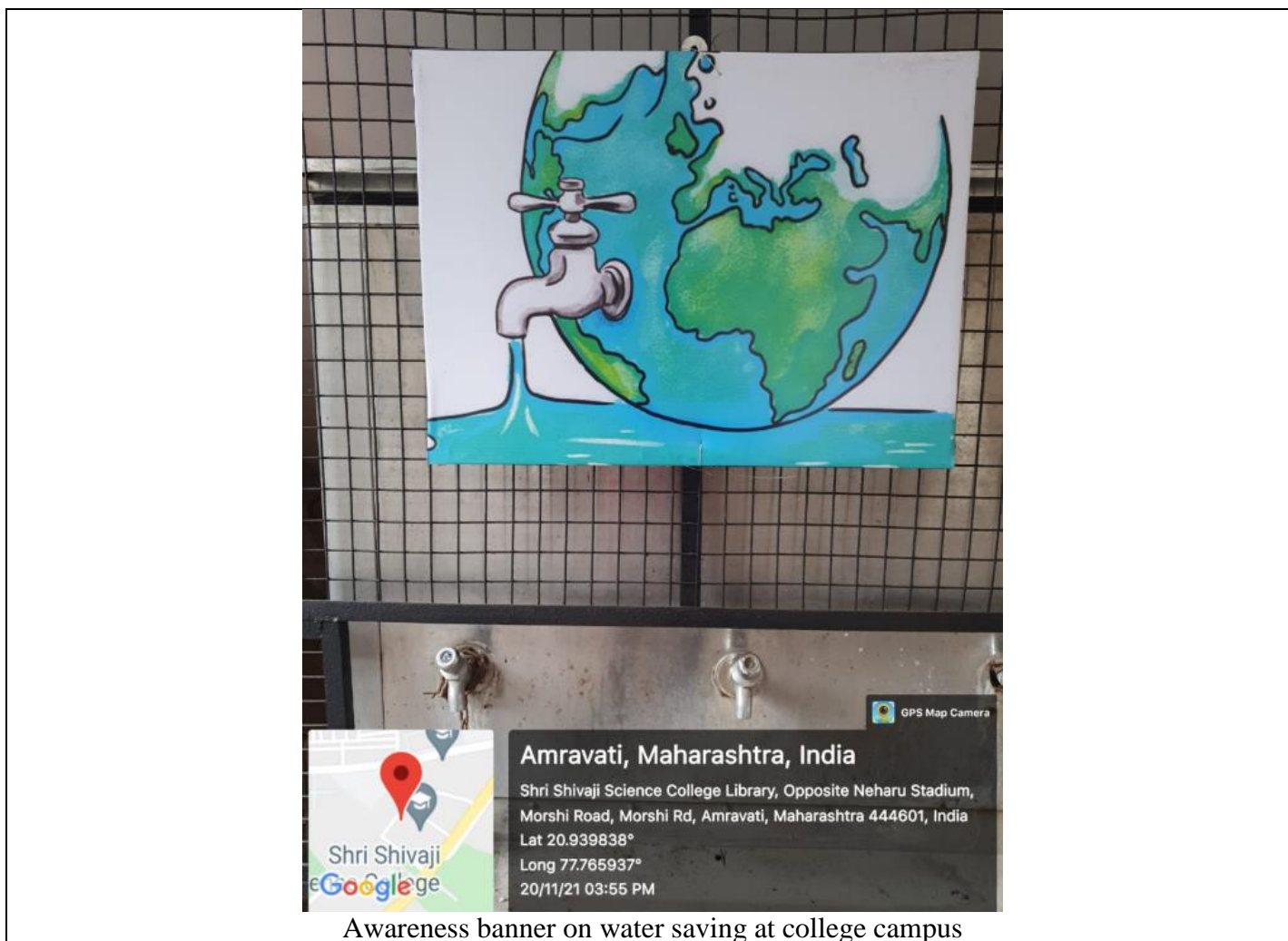


R.O. Plants at college campus

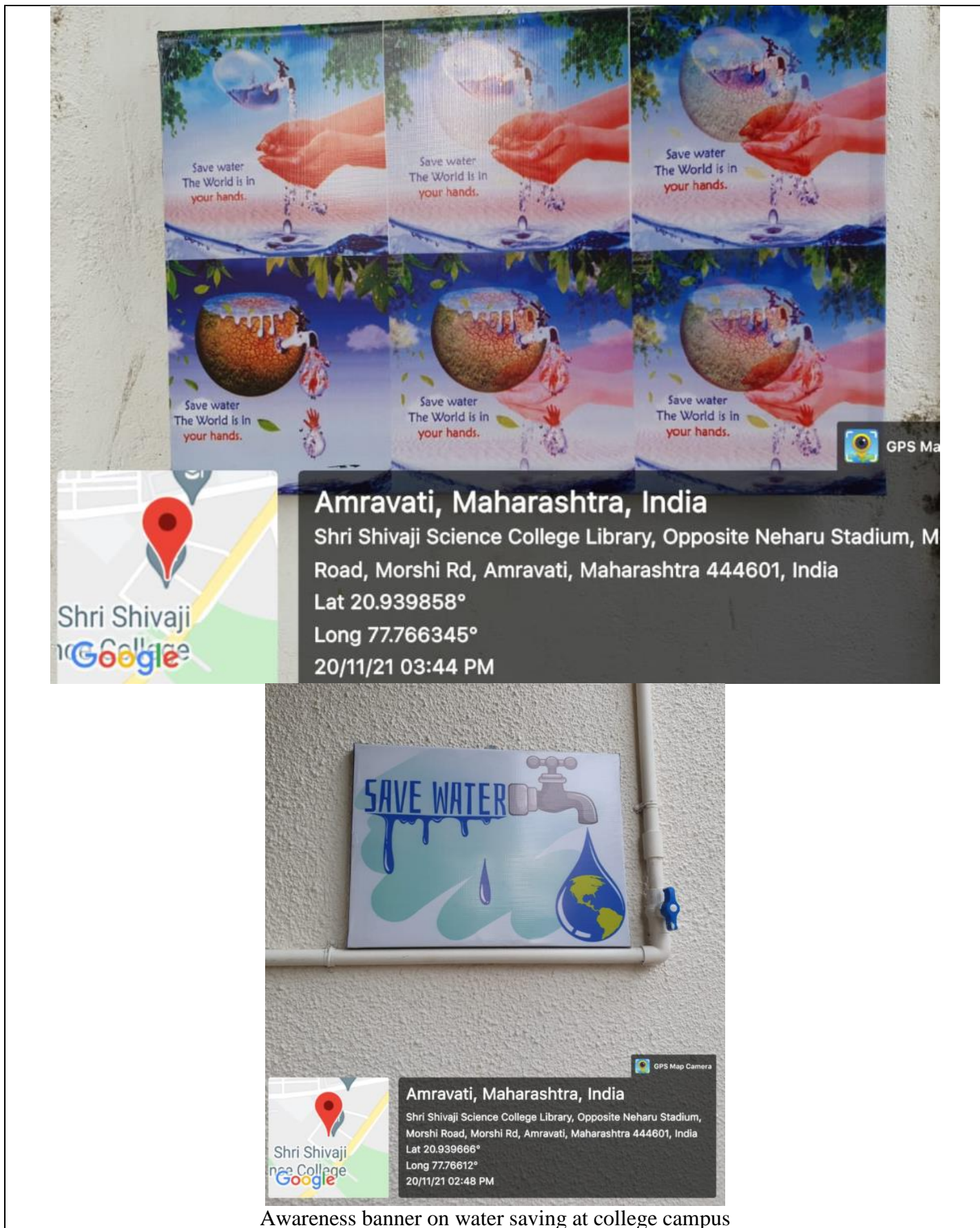


R.O. Plants at college campus

Awareness banner on importance of saving water at college campus



Awareness banner on water saving at college campus



Awareness banner on water saving at college campus