

**Training Program on
'Basics of GIS & Remote Sensing'
(03 - 05 August 2026)
NOMINATION FORM**

Name (in capitals):

Designation:

Organization:

Responsibilities (in
brief):

Full Postal Address

Tel Nos (with STD Code):

Email:

Mobile

Whether require accommodation? YES / NO

Date: (Signature of the Participant)

SPONSORING AUTHORITY

Full Postal Address

Tel Nos (with STD Code):

Email :

Mobile

Date (Signature and Seal)

Completed Registration Form may be sent by email:

nwa.pune@gmail.com / directorm-nwa@gov.in



**Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Water Commission**



**Training Program on
'Basics of GIS & Remote Sensing'
(03 - 05 August 2026)**



**Organized by
National Water Academy, CWC, Pune**

INTRODUCTION AND BACKGROUND

Remote Sensing (RS) and Geographic Information System (GIS) technologies hold immense potential in the water resources sector—ranging from the assessment of resources, planning, and development, to their efficient management for diverse purposes. In today's context, basic literacy in RS and GIS has become essential for water resources professionals. A sound understanding of these technologies enables engineers and practitioners to design workflows for spatial and temporal analysis of hydrological processes, thereby supporting better decision-making.

This training program has been designed as an introductory course, covering the fundamentals of RS & GIS, and their applications in the water resources sector. The program includes thematic sessions on various applications as under and hands-on exercises to build practical skills in geospatial analysis.

- Overview of GIS & RS, QGIS installation, toolbars and plugins
- Downloading open access data with hands on
- Vector and Raster data, Adding layers and visualization, Creation of basic map in GIS with hands on
- Attribute table & operations thereon, Working with excel files, Geo-referencing and digitization, Conversion of raster to vector, Geo-tagging- With hands on
- Working with DEM, Contour Generation, Watershed delineation- With hands on
- Mapping of water bodies, LULC mapping- With hands on

RESOURCE PERSONS Resource persons from NWA will act as guest faculty members for various sessions.

DURATION

The program is for 3 days' duration scheduled during 03-05 August 2026. The participants are expected to reach NWA by the evening of 02 August 2026 and should plan to leave 05 August 2026 only after 1900 Hrs.

PROGRAM FEE

There is no program fee for participants from Central and State Govt. departments. Charges for participants from various categories are as below:

Category	Description	Fee per participant
A.	Central/State/Local Government Depts. including their autonomous bodies:	Nil
B.	'Not for Profit' Central and State PSUs	Nil
C.	Recognized academic institutions, NGOs	900/-
D.	Central and State Public Sector Undertakings	6,000/-
E.	Private Companies, individuals	9,000/-

- Discounts applicable: (a) 50% for PSUs of MoJS i.e. WAPCOS & NPCC (no group discount); (b) For others – 20% discount for 3-4 participants; 30% discount for 5 or more participants from the same organization.

VENUE

National Water Academy, CWC, Pune-Sinhagad Road, Khadakwasla, Pune – 411024

TARGET GROUP

Water Resource Professionals from Central and State Water Resources and Irrigation Departments, and other interested stakeholders

HOW TO APPLY

- The participants are requested to send their nominations in the Nomination form given in the brochure through email to nwa.pune@gmail.com/ directorm-nwa@gov.in. The last date of sending nomination is **23.07.2026**.
- All nominated and interested participants shall register in the Google form given at: <https://forms.gle/sWGPjTJ9kiUCJLud7>
- The nominated officers/personnel are requested to start their journey for the program only after confirmation of their nomination. The accepted nominations will be displayed on NWA's website on 24.07.2026.
- All participants whose nominations are accepted by the NWA, Pune will now be required to register on e-learning platform of NWA i.e. <https://elearning.nwapune.co.in>. After completing the registration & login to the e-learning website of NWA, they are also required to enroll themselves for the program "**Basics of GIS and Remote Sensing**" scheduled during 03 - 05 August 2026. The enrollment key will be shared with the participants after their nomination is confirmed by NWA. The links for various activities of the training program as well as the presentation material will be made available on this platform.

ACCOMODATION

The trainee officers would be accommodated in NWA hostel on applicable payment basis. Lodging & boarding charges as per government rates (about Rs.275/- per person per day) will have to be borne by the participants. Working Lunch during the training program will be provided by NWA, CWC Pune. Participants from CWC will be provided with free lodging & boarding facilities. Other participants will have to bear breakfast, evening snacks and dinner charges, as applicable. Airport/ Railway station pickup/drop will also have to be arranged by the trainee officers themselves.

WEATHER

Pune in August experiences the peak of the monsoon season, featuring pleasant, cool temperatures and frequent rainfall. The average maximum temperature during the day is around 28 degrees Celsius, while the average minimum temperature at night is around 21 degrees Celsius.

CONTACT

For sending nominations or for any information about this program, please contact:

Shri Kumar Kushal, Director & Course Director
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