

CORRIGENDUM TO ADVERTISEMENT NO. PER/07/2023 PHASE - III

The following post codes;

1. URBMET-2024-002 & CAIPEEX2021-002 for the post of Project Scientist -II
2. URBMET-2024-003 for the post of Project Scientist-I
3. CAIPEEX2024-001 & URBMET2024-004 for the post of Project Associate - I

may be read as below:

Post Code	: URBMET-2024-002
Name of the post	: Project Scientist -II
Number of post	: 02 Nos.
Essential Qualification	: Masters degree in Science (Physics/Chemistry/Atmospheric Physics /Atmospheric Sciences/ Meteorology/ Environmental sciences/Geology/Geophysics) with minimum 60% marks from a recognized University or equivalent. OR Master's Degree in Engineering or Technology (Electronics/Instrumentation/EEE/Electronics & Telecommunication/Mechanical/Civil/Aerospace/ Atmospheric Physics /Atmospheric Sciences/ Meteorology/ Environmental sciences/Geology/Geophysics) from a recognized University or equivalent. AND Three years' experience handling Atmospheric datasets including radar, wind profiler, LIDAR/ Numerical weather prediction models/ data sets/ model verification studies/ using AI/ML with large datasets.
Desirable Qualification	: <ul style="list-style-type: none">• PhD in Atmospheric Physics /Atmospheric Sciences/ Meteorology/ Environmental sciences/ Engineering or Technology (Electronics/Instrumentation/EEE/Electronics & Telecommunication/Mechanical/Civil/Aerospace)• Experience in handling large datasets with high-performance computers (HPC)• Experience in handling observational datasets from AWS, radar, satellite• Experience with Mesoscale modelling/hydrological modelling, / model verification studies as demonstrated through publications.
Job Responsibilities	: <ul style="list-style-type: none">• Radar data analysis and rainfall estimation• Urban flood forecasting and its verification• Required to make quality publications in the refereed journals and contribute to the knowledge in the field• The candidate is expected to work on the verification of a high- resolution numerical model for urban flood forecasting studies• Willingness to work in locations other than Pune, as required by the project

Post Code	:	CAIPEEX2021-002
Name of the post	:	Project Scientist -II CAIPEEX
Number of post	:	01 No.
Essential Qualification	:	<p>Masters degree in Science (Physics/Instrumentation/Meteorology/Atmospheric Physics /Atmospheric Sciences/Geophysics/Geology) OR BE /BTech (Electronics/Instrumentation/EEE/Electronics &Telecommunication) from a recognized University or equivalent with at least 60% marks.</p> <p>OR</p> <p>Master's Degree in Engineering or Technology (Telecommunication/Mechanical/Aerospace/ Electronics/ Instrumentation/ EEE/ Electronics & Telecommunication/Mechanical/Civil/Meteorology/Atmospheric Physics /Atmospheric Sciences/Geophysics/Geology) from a recognized University or equivalent.</p> <p>AND</p> <p>Three years of work experience in projects related to instrumentation for aerosol measurements/ cloud seeding/cloud microphysics/radar operations and analysis in cloud seeding and cloud tracking algorithms/numerical simulation of cloud seeding and analysis of cloud microphysics/airborne observations.</p>
Desirable Qualification	:	<ul style="list-style-type: none"> • Experience in handling aerosol observations with CCN counter, Ice nuclei counter, aethalometer, PILS, ACCESS, etc. Physical and chemical characterization of samples collected from airborne observations and from ground based samples • Upkeep of the meteorological instruments, with necessary calibrations and corrections and participate in field campaigns, Observational data quality control, documentation, analysis, etc.. Experience with radiosonde/tethersonde operations, surface meteorological instruments, field campaigns, airborne observations, etc. • Experience with radar operations, TITAN or other product development tools, etc. • Analysis of dual polarization radar data and numerical model diagnostics • Demonstrated experience with large eddy simulation of clouds and convection, aircraft observational data analysis.
Job Responsibilities	:	<ul style="list-style-type: none"> • Flare testing laboratory : setup a laboratory for the seeding material characterization and aerosol CCN and ice nucleation activation studies. Conduct sensitivity experiments in the setup. • Field operation of radiosonde, tethersonde, micrometeorological tower instrumentation, Operation of profiling instruments (Wind profiler, MWRP, wind lidar and sodar) and calibration, data acquisition, correction of data and related data analysis • To operate, calibrate and maintain the C-band radar onsite and ensure continuous operation for cloud seeding experiment, preparation of radar data and products for dissemination and analysis of radar observations.

PROJECT SCIENTIST - I	
Post Code	: URBMET-2024-003
Name of the post	: Project Scientist -I
Number of post	: 02 Nos.
Essential Qualification	: Masters degree in Science (Physics/ Chemistry/ Instrumentation/ Atmospheric Physics /Atmospheric Sciences/ Meteorology/ Environmental sciences/Geophysics/Geology OR BE /BTech (Electronics/Instrumentation/EEE/ Electronics & Telecommunication/Mechanical/Aerospace/Civil) from a recognized University or equivalent with at least 60% marks. OR Master's Degree in Engineering or Technology (Electronics/Instrumentation/EEE/Electronics & Telecommunication/Mechanical/Civil/Aerospace/ Atmospheric Physics /Atmospheric Sciences/ Meteorology/ Environmental sciences/Geophysics/Geology) from a recognized University or equivalent.
Desirable Qualification	: <ul style="list-style-type: none"> • Experience in handling large datasets with high-performance computer • Experience in handling observational datasets from radar, wind profiler and other meteorological instrumentation (aerosol spectrometers, CCN counter, aerosol and wind lidars) in the urban testbed • Experience with laboratory experiments, instrument calibrations and data analysis / Direct Numerical Simulation/large eddy simulation/numerical simulations/urban mesoscale models and demonstrated through publications • AI/ML experience
Job Responsibilities	: <ul style="list-style-type: none"> • The candidate is expected to work on any one of the following : <ol style="list-style-type: none"> A) the development of a high-resolution numerical model for urban studies B) Atmospheric process studies relating to heat stress and urban heat islands, wind stress, boundary layer fluxes etc. C) Radar data analysis and product development (such as QPE) for nowcasting D) Data assimilation for modelling framework E) Use of AI/ML models for urban high-resolution weather forecasting/nowcasting F) Involvement in the calibration and upkeep of urban testbed instruments and radars, including quality control and data archival for use by end users and researchers. • Help in the development of an urban model for precipitation and heat stress forecast • Carry out numerical modelling studies (Mesoscale modelling or Large Eddy Simulation and DNS studies) utilizing urban testbed data, model development and model evaluation. • Analyze AWS and micrometeorological tower data along with other data sets from the urban meteorology project for understanding urban boundary layer mixing, fluxes, human comfort, effect of ventilation pathways on fluxes etc. • Required to make quality publications in the refereed journals and contribute to the knowledge in the field. <p>Willingness to work in locations other than Pune, as required by the project.</p>

Post Code	:	CAIPEEX2024-001
Name of the post	:	Project Associate I
Number of post	:	02 Nos.
Essential Qualification	:	Master's Degree in Science (Physics/ Chemistry/ Atmospheric Physics /Atmospheric Sciences/Meteorology) from a recognized University equivalent OR BE /BTech (Electronics/Instrumentation/EEE/ Electronics & Telecommunication/Mechanical/Civil) from a recognized University or equivalent.
Desirable Qualification	:	Experience with atmospheric data analysis, Numerical Models, Programming skills with Fortran/ Python / C or C++. Experience with simulations of atmospheric flows using mesoscale models.
Job Responsibilities	:	Radar data analysis, numerical modelling, aerosol-cloud-precipitation interaction studies, radiative forcing calculations, preparation of publication-quality manuscripts.

Post Code	:	URBMET2024-004
Name of the post	:	Project Associate I
Number of post	:	04 Nos.
Essential Qualification	:	Master's Degree in Science (Physics/ Chemistry/ Atmospheric Physics /Atmospheric Sciences/Meteorology) from a recognized University equivalent. OR BE /BTech (Electronics/Instrumentation/EEE/ Electronics & Telecommunication/Mechanical/Civil) from a recognized University or equivalent.
Desirable Qualification	:	Experience with atmospheric data analysis, Numerical Models, Programming skills with Fortran/ Python / C or C++. Experience with simulations of atmospheric flows using mesoscale models.
Job Responsibilities	:	Radar data analysis, numerical modelling, aerosol-cloud-precipitation interaction studies, radiative forcing calculations, preparation of publication-quality manuscripts.