

Ministry of Earth Sciences
National Centre for Medium Range Weather Forecasting (NCMRWF)
Earth System Science Organisation
A-50, Sector-62, NOIDA-201309

Advertisement No: NMWC/ADV/01/2017

The National Centre for Medium Range Weather Forecasting (NCMRWF) is a Centre of Excellence in Weather and Climate Modelling under the Ministry of Earth Sciences. The mission of the Centre is to continuously develop advanced numerical weather prediction systems, with increased reliability and accuracy over India and neighboring regions through research, development and demonstration of new and novel applications, maintaining highest level of knowledge, skills and technical bases. NCMRWF is equipped with advanced infrastructural facilities like 350TF High Performance Computing and state-of-the art networking and storage infrastructures.

NCMRWF is looking for eligible candidates to fill up 9 (Nine) posts of Project Scientist-D and 20 (Twenty) posts of Project Scientist-C for its programme on “Numerical Modelling of Weather and Climate”. The posts are purely on contractual basis, maximum up to March 2020, based on satisfactory progress at the end of each financial year. **All positions are for Indian nationals only.**

The details of the posts to be filled are given below. Interested candidates may forward their application in the prescribed format to The Head, NCMRWF, A-50, Sector-62, NOIDA-201309, within **03 September 2017**. **Candidates are also required to e-mail the soft copy of the duly filled application form to director@ncmrwf.gov.in latest by 03 September 2017.** The list of short-listed candidates for the selection interviews and the date of interview will be published on NCMRWF web page (<http://www.ncmrwf.gov.in/vacancy.php>)

1. Post Code - NMWC2017-001

Post Name: Project Scientist-D (9 Posts)

Essential Qualifications:

- (i) M.Sc. Degree or equivalent in Meteorology/Oceanography/Atmospheric Science/Climate Science/Geophysics (with specialization in Meteorology)/Physics/Mathematics/Applied Mathematics/Statistics from a recognized university with at least 60% marks.

AND

Seven (07) years research experience in the field of Atmospheric Science/Meteorology/Oceanography/Fluid Mechanics/Climate Science with familiarity in Data Assimilation /Atmospheric or Oceanic Modelling

OR

M.Tech. degree in Meteorology/Oceanography/Atmospheric Science/Climate Science from a recognized university with at least 60% marks.

AND

Six (06) years research experience in the field of Atmospheric Science/Climate Science Meteorology/Oceanography with familiarity in Data Assimilation/Atmospheric or Oceanic Modelling

- (ii) Good working knowledge in high-level programming languages viz., FORTRAN/C/Python etc.
- (iii) Good working knowledge in High Performance Computing Environment and experience in UNIX / LINUX environment.

Desirable Qualifications:

- (i) Ph. D. in any of the above mentioned subjects.
- (ii) Research experience in numerical modelling of the atmosphere and ocean, data assimilation, climate modelling, statistical analysis of weather and climate data supported by publications in journals and reports.
- (iii) Ability to design and conduct numerical experiments in HPCS.
- (iv) Good knowledge and working experiences of data analysis tools viz., GrADS/IDL/MATLAB/Ferret/R /CDAT etc.
- (v) Ability to conduct and supervise training program on atmospheric/oceanic sciences

Job Responsibilities:

- (i) Research & Development on Meteorological data processing and quality control techniques, Data Assimilation, Numerical modelling of atmosphere and ocean, Diagnostic tools, Ensemble prediction techniques
- (ii) Development of new and novel application of model outputs
- (iii) Organization of trainings on earth system modelling
- (iv) Porting and optimization of numerical models in HPC environment.

Emoluments per month:

Rs 15,600- 39,100/- + G.P. Rs. 7,600/-+DA +HRA (likely to be revised soon)
Total monthly salary is approximately Rs. 62000/-

Upper Age Limit:

Up to 50 years as on 03.09.2017

2. Post Code - NMWC2017-002

Post Name: Project Scientist -C (20 Posts)

Essential Qualifications:

- (i) M.Sc. Degree or equivalent in Meteorology/Oceanography/Atmospheric Science/Climate Science//Geophysics (with specialization in Meteorology)/Physics/Mathematics/Applied Mathematics/Statistics from a recognized university with at least 60% marks.

AND

Three (03) years research experience in the field of Atmospheric Science/Meteorology/Oceanography/Fluid Mechanics

OR

M.Tech degree in Meteorology/Oceanography/Atmospheric Science/Climate Science from a recognized university with at least 60% marks

AND

Two (02) years research experience in the field of Atmospheric Science/Meteorology/Oceanography.

- (ii) Working knowledge in high-level programming languages viz., FORTRAN/C/ Python etc.
- (iii) Working Knowledge in High Performance Computing Environment and experience in UNIX / LINUX environment

Desirable Qualifications:

- (i) Ph. D. in any of the above mentioned subjects
- (ii) Research experience in numerical modelling of the atmosphere and ocean, data assimilation, climate modelling, statistical analysis of weather and climate data supported by publications in journals and reports
- (iii) Working experience in data analysis tools viz., GrADS/IDL/MATLAB/Ferret/R/CDAT

Job Responsibilities:

Research & Development on Meteorological data processing and quality control techniques, Data Assimilation, Numerical modeling of atmosphere and ocean, Diagnostic tools, Ensemble prediction techniques

Emoluments:

(Rs 15,600- 39,100/-) + G.P. Rs. 6,600/-+DA +HRA (likely to be revised soon)
(Total monthly salary is approximately Rs. 60000/-)

Upper Age Limit:

Up to 40 years as on 03.09.2017

3. General conditions:-

- (i) The number of posts to be filled may vary. NCMRWF reserves the right to cancel the recruitment without assigning any reason.
- (ii) The prescribed essential qualifications are minimum and the mere possession of the same does not entitle candidates to be called for interview. If the number of applications received in response to the Advertisement is large, NCMRWF may restrict the number of candidates to be called for interview to a reasonable limit on the basis of desirable qualifications and/or experience prescribed in the advertisement.

- (iii) Experience will be counted after completion of essential academic qualifications. A completed Ph.D. degree will be counted as three years of experience. In case a candidate has obtained the Ph.D. degree while in service, only her/his service period will be counted towards experience and she/he will not get any additional weightage in experience for acquiring Ph.D. towards total period of experiences.
- (iv) Upper age limit is relaxable for SC/ST, OBC, physically handicapped and ex-serviceman as per GOI rule.
- (v) Applications should be neatly typed on thick plain paper (A-4 size 210 x 297 mm) in the prescribed Application Form available at <http://www.ncmrwf.gov.in/vacancy.php>
- (vi) Copies of certificates in support of educational qualifications, date of birth, Disability, Community (in case of SC/ST/OBC candidates only) and experience should be attached with the application. Applicants are required to produce original certificates/documents for verification at the time of interview.
- (vii) Completed applications should be sent to The Head, NCMRWF, A-50, Sector-62, NOIDA-201309. Candidates are also required to e-mail the soft copy of the application form to director@ncmrwf.gov.in
- (viii) Applications received after 03.09.2017 or received incomplete in any respect are liable to be summarily rejected. No representation against such rejection will be entertained.
- (ix) The names of the shortlisted candidates and date of interview will be published at <http://www.ncmrwf.gov.in/vacancy.php>
- (x) No correspondence will be entertained from candidates who are not called for interview/selected for appointment. **CANVASSING IN ANY FORM WILL RESULT IN DISQUALIFICATION OF CANDIDATURE.**
- (xi) **No TA/DA will be paid to the candidates for attending the interview.**
- (xii) **The selected candidates shall have no claim either implicit or explicit, for their absorption or regularization in NCMRWF.**