

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

Advt No. F-20019/09/2013-NMRF

WALK - IN – INTERVIEW/Advt.

The NCMRWF is looking for following Project Scientist “C” (Twenty Three posts) and Project Scientist “D” (Two posts) for engagement on contract basis till March 2017, subject to satisfactory progress of work to be reviewed at the end of each financial year. **All the positions are for the Indian nationals only.**

Post Code	Positions	No. of positions	Pay Band/Pay Scale
1	Project Scientist “C” Numerical modelling of Weather and Climate	11	Pay Band-3 Rs. 15600-39100 with GP Rs. 6600/-
2	Project Scientist “C” Modeling of Changing Water Cycle and Climate	6	Pay Band-3 Rs. 15600-39100 with GP Rs. 6600/-
3	Project Scientist “C” BIMSTEC Centre for Weather and Climate	4	Pay Band-3 Rs. 15600-39100 with GP Rs. 6600/-
4	Project Technical Officer/Project Scientist-C High Performance Computing System	2	Pay Band-3 Rs. 15600-39100 with GP Rs. 6600/-
5	Project Scientist-D High Performance Computing System	2	Pay Band-3 Rs. 15600-39100 with GP Rs. 7600/-

Details regarding the posts, qualifications, experience, age limit, etc. are available on the website www.ncmrwf.gov.in/ www.moes.gov.in .

Candidates fulfilling the eligibility conditions for the post codes (1-3) are invited to attend a walk-in-interview at the NCMRWF, Ministry of Earth sciences, A-50, Sector-62, Noida – 201309, **on January 28, 2015 (from 9 AM onwards).**

Candidates fulfilling the eligibility conditions for the post codes (4-5) may send their completed applications forms to NCMRWF, Ministry of Earth sciences, A-50, Sector-62, Noida – 201309. The last date for submission of forms is **January 23, 2015 . Shortlisted candidates shall be informed about the date of interview in due course.**

I. Post Code 1 (Numerical Modelling of Weather and Climate)

Post: Project Scientist-C

No. of Posts: 11

Eligibility Criteria:

Essential:

- (i) Master's Degree or equivalent in Meteorology / Oceanography / Atmospheric Science / Physics/ Mathematics /Geophysics (with specialization in Meteorology) from a recognized university with at least first class (60%) at Post Graduation level.

AND

Three years' experience in the field of Atmospheric Science/Meteorology/Oceanography. Familiarity with UNIX, FORTRAN.

OR

- (ii) M.Tech degree and two years research experience in the relevant field as per (i) above with familiarity in UNIX, Fortran/C/C++

OR

- (iii) Ph.D in the relevant field as per (i) above with familiarity in UNIX.Fortran/C/C++

Desirable:

Work experience in Meteorological Data processing, Assimilation of conventional and satellite data in Atmospheric General Circulation Models, Numerical Modeling of the atmosphere and ocean, Coupled ocean atmosphere modeling.

II. Post Code 2 and 3 (Modeling of Changing Water Cycle and Climate/ BIMSTEC Centre for Weather and Climate)

Post: Project Scientist-C

No. of Posts: 10

Eligibility Criteria:

Essential:

I. Master's Degree or equivalent in Meteorology/ Atmospheric Science / Hydrology/ Physics/ Geophysics (with specialization in Meteorology) / Mathematics / Applied Mathematics/ Statistics/ Remote Sensing / B.Tech or equivalent from a recognized university with at least first class (60%) at Post Graduation level.

AND

Three years experience in the field of Atmospheric Science/ Atmospheric Data Assimilation/ Meteorology/Hydrological Modeling. Familiarity with UNIX, FORTRAN.

OR

II. M.Tech degree in equivalent in Meteorology/ Atmospheric Science / Hydrology/ Geophysics (with specialization in Meteorology) / Water Resource Engineering/ Remote Sensing from a recognized university with at least first class (60%) and two years research experience in the field of Atmospheric Science/ Meteorology/ Atmospheric Data Assimilation/ Remote Sensing/ Hydrological Modeling with familiarity in UNIX, Fortran

OR

III. Ph.D in the relevant field as per I and II above with familiarity in UNIX, Fortran

Desirable: Work experience in hydrological modeling, water cycle studies, GIS, numerical weather modeling, data assimilation.

III. Post Code 4 (High Performance Computing System)

Post: Project Technical Officer/Project Scientist-C

No. of Posts: 1

Essential Qualifications:

- (i) MCA /B.Tech.(CS)/M.Tech.(CS)/M.Sc. degree in Computer Science/Physics/ Mathematics from a recognized University /Institution
- (ii) 3 years of experience in scientific computing environment or related field. Experience in UNIX, FORTRAN, Shell Scripting, and scripting languages like Perl, Python, Mathematica, Java etc.

Desirable Qualifications:

Familiarity with various mathematical and statistical libraries. Experience in different message passing environments like **MPI**, **Open MP**, PVM, parallel programs in **FORTRAN and C**. Knowledge of the concepts in parallel programming e.g., communication between processors, concurrency, load balancing, scalability etc.

Responsibilities:

Porting of Mathematical (Atmosphere/Ocean) Models on HPC cluster based environment. Simulate mathematical models with the real time data sets. Optimization of Mathematical Models. Responsibility of managing HPC technical support group. Collect and review system data for capacity and planning purpose.

Post: Project Technical Officer/Project Scientist-C

No. of Posts: 1

Essential Qualifications:

- (i) MCA/B.Tech.(CS)/M.Tech.(CS)/M.Sc. degree in Computer Science/Physics/ Mathematics from a recognized University/Institution.
- (ii) 3 years of experience in managing or operating large computing environment in scientific or commercial institution.

Desirable Qualifications:

Experience in managing technical staff, develop strategies and provide leadership to operate a high standard computing environment. Outstanding information technology technical skills. Experience in software development and computing architecture. Good understanding of computing infrastructure. Good understanding of operating systems, database management systems, etc. Experience in designing and maintaining complex HPC infrastructure.

Responsibilities:

Contributes to the design of computing environment in response to requirements. Specification for procurement of Hardware/Software/Services. Periodically assess the security of the systems and data and highlight possible vulnerabilities.

IV. Post Code 5 (High Performance Computing System)

Post: Project Scientist-D

No. of Posts: 2

Essential Qualifications:

- (i) MCA/B.Tech..(CS)/M.Tech.(CS)/M.Sc. degree in Computer Science/Physics/Mathematics from a recognized University/Institution.
- (ii) 7 years of experience in scientific computing environment (as evidenced by published papers). Familiarity with UNIX and FORTRAN, C, C++, OOP, Python, shell scripting etc.

Desirable Qualifications:

Familiarity with various mathematical and statistical libraries. Experience in different message passing environments like **MPI**, **Open MP**, PVM, parallel programs in **FORTRAN and C**. Knowledge of the concepts in parallel programming e.g. communication between processors, concurrency, load balancing, scalability etc. Leads projects related to the deployment of new systems (hardware and software), the upgrade of existing systems, and the integration among various systems.

Responsibilities:

Porting of Mathematical (Atmosphere/Ocean) Models on HPC cluster based environment. Simulate mathematical models with the real time data sets. Optimization of Mathematical Models. Responsibility of managing. HPC technical support group. Collect and review system data for capacity and planning purpose.

Age Limit (as on closing date): Age on the date of Walk-in-Interview should not exceed 35 years for Scientist "C". The age limit for Scientist "D" shall be 40 years as on date of advertisement. Age relaxation to SC/ST/OBC candidates shall be as per GOI norms.

Venue of Interview: NCMRWF, Ministry of Earth Sciences, A-50, Sector-62, Noida 201309

Note:

- i. The date of walk-in-interview is the cut-off date for all purposes..
- ii. A completed Doctorate degree and M. Tech degree will be counted as three years and one years experience respectively.
- iii. The selected candidates shall have no claim either implicit or explicit, for their absorption or regularization in NCMRWF.
- iv. Duly filled in form in the prescribed format given below should be submitted at the time of interview.
- v. Copies of certificates in support of educational qualifications, date of birth, and experience should be attached with the application
- vi. Applicants are required to bring original certificates/documents for verification at the time of interview.
- vii. No TA/DA will be paid to the candidates attending the interview.
- viii. Candidates will have to register for the interview between 09.00 AM and 11.00 AM. Interviews will start at 10.00 AM. Candidates who have not registered before 11.00 AM will not be allowed to attend the interview.

APPENDIX-I**FORMAT OF APPLICATION**

Affix
passport
size
photograph

1.	Advertisement No.					
2.	Post for which applied					
3.	Name in full (in block letters)					
4.	Father's/Husband's Name					
5.	(a) Date of Birth			Date	Month	Year
	(b) Age on Closing date					
6.	Nationality					
7.	Religion					
8.	Whether belongs to SC/ST/OBC/PH/General (Strike out whichever is not applicable)					
9.	Whether documentary proof from appropriate authority in support of your claim being SC/ST/OBC is enclosed (please tick)			Yes	No	
10.	Address for correspondence (in block letters with pin code)					
11.	Permanent address (in block letters)					
12.	Nearest Railway Station					
13.	Educational Qualification (in chronological order from 10 th Standard onwards)					
	Sl. No.	Courses Passed	University/Institution/ Board	Year of Passing	Subject taken	Result with Division/Class
14.	Professional Training:					
	Organisation	Period			Details of Training	
		From	To			
15.	Employment records (in chronological order, starting with the first job)					
	Name and address of	Period		Designation of post	Nature of work and level of	

	employer/ institution			held scale pay	and of	responsibilities
		From	To			

16.	i) Permanent/Temporary/Ad-hoc ii) Scale of Pay and Basic Pay (Revised/Pre-revised) iii) other allowances excluding iv) Total Salary (ii+iii)	Rs. Rs. Rs.
17.	Details of research work/experience, if any	
18.	Specialization (with reference to experience desired for the post)	
19.	Give the names of two reference (they must not be related to you) who are in a position to testify from their personal knowledge as to your fitness for the proposed engagement. They must be persons under whom you have worked or studied. (i) Name with full address: (ii) Name with full address:	
20.	Any other information you may wish to add [Like list of publications, membership of learned societies, awards and recognition, etc. (in brief)]	
21.	Details of Enclosures	

22. Declaration

I certify that the above information is correct and complete to the best of my knowledge and belief and nothing has been concealed/distorted. If at any time I am found to have concealed/distorted any material/information, my engagement shall be liable to be summarily terminated without notice/compensation.

Place:

(Signature of Candidate)

Date