

MINISTRY OF DEFENCE

NOTIFICATION

New Delhi, the 11th April 1953

S.R.O. 148.- In exercise of the powers conferred by Article 309 of the Constitution of India, the President is pleased to make the following rules which shall govern the creation, maintenance and administration of the Defence Science Service:-

PART I - GENERAL

1. These rules may be called the "Defence Science Service Rules 1953".
2. For the purpose of these Rules-
  - (a) 'Government' means the Government of India;
  - (b) The 'Commission' means the Union Public Service Commission; and
  - (c) The 'Service' means the Defence Science Service.
3. The Service has been created to provide a close integration of the Scientific Work in the different Defence establishments; a more effective disposal and concentration of the available scientific effort and also flexibility to meet new demands of the Defence Services adequately and expeditiously.
4. The service shall consist of the following grades each of which will carry the pay scales shown against it:-

Defence Science Service (Class I)

Scientific Adviser	.....	Pay will be decided later.
Deputy Chief Scientific Officer	.....	Rs.1300-60-1600-100-1800
Principal Scientific Officer	.....	Rs.1000-50-1400
Senior Scientific Officer (Grade I)	.....	Rs.600-40-1000-1000-1050- 1050-1100-1100-1150
Senior Scientific Officer, (Grade II)	.....	Rs.350-350-380-250-590 EB-30-770-40-850

Defence Science Service (Class II)

Junior Scientific Officer	... ..	Rs. 275-25-500-EP-30- 650-EB-30-800
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5. The members of the Defence Science Service shall be employed on scientific research and development to meet the needs of the Armed Forces or on imparting technical or scientific instruction in Training Establishments.

6. All appointments in the various establishments under the Ministry of Defence connected with Scientific Research and development or teaching indicated in Appendix 'A' to this Notification shall be tenable by members of the Defence Science Service belonging to the appropriate grade as indicated therein. Government may by further orders declare any other post or class of posts as tenable by officers of the Defence Science Service or delete any of the posts included in the Appendix "A".

7. The Defence Science Service shall initially consist of the following permanent posts:-

Scientific Advisor	...	...	...	1
Deputy Chief Scientific Officer	...	...	...	3
Principal Scientific Officer	...	...	...	9
Senior Scientific Officer (Grade I)	...	...	...	83
Senior Scientific Officer (Grade II)	...	...	...	70
Junior Scientific Officer	...	...	...	168*
Lecturers, College of Military Engineering, Kirkee				8

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(\*Includes 10 per cent. leave reserve (31 posts.)  
( Classification and scales of pay of these eight posts will be notified later.

Government may by further sanction alter the strength of various grades mentioned above to suit actual requirements, or authorise temporary additions to or deductions from the Service as and when required.

8. Permanent posts in the Service shall be pensionable. Any officer recruited over the age of 35 shall be eligible to join a Contributory Provident Fund if he so desired. The members of the Service will normally retire at the age of 55 but extensions may be granted at the discretion of the Government up to the age of 60 in the case of those officers whose experience warrants their retention beyond the age of 55.

9. (a) Government shall be entitled to determine the engagement of an officer in the Defence Science Service, after giving him due notice, in case the quality or quantity of scientific work of the Officer shows continued deterioration or is otherwise unsatisfactory. Before any action is taken under this clause, Government will consult a Board (called the Defence Science, Service Advisory Board) to be hereinafter appointed, and the Union Public Service Commission.

(b) The Defence Science Service Advisory Board, referred to in 9(a), will review from time to time the progress of the Defence Science Service and will keep itself generally informed of the work of the Defence Scientists. It will also interest itself in matters of welfare of the members of the Defence Science Service, and will render advice to Government on such matters and other matters as may be referred to it.

10. In the matter of pay and allowances, leave, pension, retirement, gratuity, discipline etc., members of the Defence Science Service shall be subject to the same conditions of service as are applicable to gazetted officers (Civilians) of corresponding status paid from the Defence Service Estimates, except where any special orders in respect of the Defence Science Service are issued by Government.

11. Pay of officers serving in the various Defence Establishments who are selected to fill the posts in the Defence Science Service on the initial constitution of the Service shall be fixed in the appropriate grade at a stage equal to their present pay, or if there is no such stage, then under the ordinary rules contained in the Civil Service Regulations. They will, however, have an option to retain their existing permanent scale (if any) if such scale is beneficial to them. The pay of officers serving on contract at the time of the constitution of the Defence Science Service will, however, be fixed on an ad hoc basis.

12. Appointments to the Service made otherwise than by promotion will be subject to the orders issued from time to time by the Ministry of Home Affairs regarding special representation in the services of Scheduled Castes, Scheduled Tribes and other backward classes of people.

13. Appointment of a non-Indian to any post included in the cadre of the Defence Science Service will be on a contract basis, the actual terms of contract being determined by the Government in each individual case separately.

#### PART II - INITIAL CONSTITUTION OF THE SERVICE

14. The Service shall initially comprise of Civilian Scientific Officers serving under the Ministry of Defence who are found suitable for appointment to the Service. Officers of the Armed Forces who possess necessary scientific qualifications shall be eligible for posts in the Service requiring specialised knowledge and or experience. Such officers will, however, be treated as on deputation to the Service. The suitability of the candidates will be decided by Government in consultation with the Union Public Service Commission.

15. Personnel appointed to the cadre will be on probation for a period of two years which may be extended or curtailed by the Government.

#### PART III - FUTURE MAINTENANCE OF THE SERVICE

16. Appointment to the various grades shall be made both by promotion and direct recruitment in accordance with the succeeding paragraphs.

17. Direct recruitment shall be made through the Commission.

18. Recruitment by promotion shall be made in accordance with the recommendations of a Departmental Promotion Committee, which will be constituted as follows:-

- (1) A member of the Union Public Service Commission;
- (2) Joint Secretary, Ministry of Defence;
- (3) Scientific Adviser.

Whenever a Member of the Commission is present at a meeting of the Departmental Promotion Committee he shall preside thereat.

19. Appointments will be on two years' Probation.

20. For appointment to any of the Grades a candidate must satisfy the qualifications laid down in Appendix "B".

21. Proportion between appointments made by direct recruitment and those by promotion to various grades will be as follows:-

Up to 40 per cent, of vacancies in the grade of Junior Scientific Officer may be filled by promotion from non-gazetted civilian scientific/technical staff serving in establishments under the Ministry of Defence, appointments in which are tenable by members of the Defence Science Service. The remaining vacancies in that grade will be filled by direct recruitment. Appointments to the higher categories, viz., Senior Scientific Officer Grades I and II, Principal Scientific Officer, etc. will be made either by promotion from the lower grades, or by direct recruitment, in the light of the qualifications required for the particular post and the availability of suitable and competent officers with such qualifications within the Service.

The promotion quota for these categories will be reconsidered after a period of about 3 years.

#### PART IV ADMINISTRATION

22. Scientific Advisor will be the head of the Service and will be responsible for the employment of the officers of the Service to the best advantage of the Government.

23. Officers of the Defence Science Service when posted to any particular Service/Establishment shall, for the time being be under the administrative control of the Head of that Service/Establishment for all purposes.

Cont.....5/-

Statement showing the posts in the various establishments under the Ministry of Defence which are tenable by Officers of the Defence Science Service.

S.No.	Designation of post	Existing Scale of pay	No. of Appointments	Grade of Officer pay in of DSS to fill the post of the officer	Scale of the Service at column 4	Total No. of appointments
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1	2	3	4	5	6	7
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I Class II.

Rs.

Rs.

(i) Junior Scientist, Defence Science Organisation.	275-25-500	100				
(ii) Civilian Gazetted Officer (Signals/Instructional).	275-25-500-EB-30-650	15				
(iii) Junior Psychologist, Psychological Res. Wing.	- Do -	5	Class II-Jun-	275-25-500	-EB-30-650	
			Officer	-EB-30-800		
(iv) Civilian Technical Officer (Signals/Maintenance).	- Do -	12				
(v) Assistant Superintendent, Development (Technical Development Establishments)	275-25-500-EB-30-650-EB-30-800	5				
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2 Class I.

(i) Junior Chemist/Entomologist (Armed Forces Medical Collogo, Poona).	350-350-380-380-590-EB-30-770-40-850	2				
(ii) Statistical Officer, Psychological Res. Wing	- Do -	1				
(iii) Assistant Director, Engineer Res. Wing, Collogo of Military Engineering, Kirkoo.	- Do -	2	Class I-	350-350-380-380	-30-590-EB-30-770-40-850.	
			Senior Scientific Officer			
(iv) Lecturer (Telecommunications) Collogo of Military Engineering, Kirkoo.	350-25-500-30-650-EB-30-800	1	Grado II.			
(v) Assistant Superintendent Development Grade. II.	350-350-380-380-30-590-EB-30-770-40-850.	14				
Assistant Superintendent of Development, Technical Res. Wing		7				

1	2	3	4	5	6	7
		Rs.			Rs.	
(vi)	Science Lecturers in National Defence Academy,	3500-30-800	24			
			<u>70</u>			
(vii)	Senior Scientist (Defence) Science Organisation.	600-40-1000 -1000-1050- 1100-1100- 1150	40			
	Senior Psychologist, Psychological Res. Wing.	-Do-	2			
(viii)	Senior Chemist/ Entomologist. (Armed Forces Medical College, Poona).		4			
(ix)	Assistant Superin- tendent of Dev., Grade I, Senior Scientific Officer.	-Do- Technical Dev. Establishments.	4 17	Senior Scientific Officer Gd.I	600-40-1000- 1000-1050-1050- 1100-1100-1150	
(x)	Deputy Director, Engineering Research Wing, College of Military Engg., Kirkoo.	600-40-1000-1000 -1050-1050-1100- 1100-1150	1			83
(xi)	Assistant Professor, College of Military Engineering, Kirkoo.	600-40-1000	4			
(xii)	Assistant Professor, (Telecommunication), College of Military Engineering, Kirkoo.	-Do-	1			
*(xiii)	Control Officer, Technical Development Establishment.	800-50-1250	8			
*(xiv)	Science Reader in National Defence Academy.	-Do-	2			

1	2	3	4	5	6	7
		Rs.			Rs.	
(xv)	Superintendent of Development, Technical Dev. Establishments, Military Explosives.	1000-50-1400	1			
	Supdt. of Dev. TDE, Metallurgy.	-Do-	1			
* (xvi)	Superintendent of Development, Textiles and Clothing.	1300-60-1600	1			
	Superintendent of Development, Laboratories.	-Do-	1	Principal Scientific Officer	1000-50-1400	
* (xvii)	Professor, College of Military Engg., Kirkee.	- Do -	2			9
* (xviii)	Director, Engg., Research Station, Kirkee.	- Do -	1			
* (xix)	Chief Psychologist,	-Do-	1			
* (xx)	Chief Superintendent of Development.					
			<u>9</u>			
(xxi)	Deputy Chief Scientific Officer, Defence Science Orgn.	1300-60-1600-100-1800	3	Deputy Chief Scientific Officer.	1300-60-1600-100-1800	3
(xxii)	Scientific Adviser	2000-100-2500	1	Scientific Adviser.	To be decided later	1

Note:- Eight posts of Lecturers, College of Military Engineering, Kirkee will also be tenable by officers of the Defence Science Service. Orders regarding their classification and scale of pay will be issued separately.

\* Revised Scale of pay of these appointments in the Service is under

APPENDIX "B"

Minimum educational and other qualifications and experience required in the various categories of Class I and II posts in the Defence Science Service.

NOTE- The qualifications may be modified to suit the requirements of particular posts.

1. Junior Scientific Officer- (Scale-Rs.275-25-500-EB-30-650-EB-30-800).

Essential -(i) At least a second class Master's degree or Bachelor's Honours degree (three years course) in case of Engineering and Metallurgy, second class bachelor's degree or its equivalent).

(ii) Aptitude for research.  
Desirable-Research Experience.  
Age Limits.- Preferably below 30 years.

(II) (a) Senior Scientific Officer Grade II.- (Scale-Rs.350-350-380-380-30-590-EB-30-770-40-850).

Essential-Research degree or first class Master's degree followed by good research work. (In the case of Engineering, at least a Second class degree or equivalent qualifications with one year's research experience).

Desirable-Knowledge of German, French or Russian.

Age Limits-Preferably below 40 years.

II.(b) Senior Scientific Officer Grade I.- (Scale-Rs.600-40-1000-1000-1050-1050-1100-1100-1150).

Essential-Research degree or first class Master's degree followed by high class research work over a fairly long period. (In the case of Engineering, a first class or at least a second class degree or equivalent qualifications with three years' research experience).

Desirable-Knowledge of German, French or Russian.

Age Limits -Preferably above 35 years.

III. Principal Scientific Officers.

Essential-(i) Research degree or equivalent qualifications  
(ii) Research work of a high order over a long period.

No. Age limits.

IV. Deputy Chief Scientific Officers.

Essential-(i) Research degree or equivalent qualifications.  
(ii) Should have done first class research and guided research for several years.

(Note;- The candidate should have a professional standing in his subject equivalent to that of a University Professor).

No. age limits.

V. Scientific Adviser. - To be decided later.