



**Government of India  
DEPARTMENT OF ATOMIC ENERGY (DAE)  
Bhabha Atomic Research Centre (BARC)  
Training Schools**

**Invite  
Engineering Graduates and Science Postgraduates**

- Who would relish challenges in frontier areas of Science and Technology,
- Who would like to be part of an expanding programme of Nuclear Reactors, Accelerators and Fuel Cycle Technologies,
- Who would enjoy pursuing innovative research in Engineering, Physics, Chemistry, Biosciences and Geology.

**To apply for recruitment as  
Scientific Officers (Group-A post of Government of India)  
through its academic programmes**

**Orientation Course for Engineering Graduates and Science Postgraduates  
(OCES) -2024 and DAE Graduate Fellowship Scheme for Engineering  
Graduates (DGFS) -2024**

**TRAINING SCHEMES AND EMPLOYMENT DESCRIPTION**

**1. One Year Orientation Course for Engineering Graduates and Science Postgraduates for the year 2024-2025 (OCES-2024)** conducted at the BARC Training Schools. Table-1 lists OCES disciplines and corresponding eligible qualifying degrees & eligible GATE paper/subject along with training programmes/ Schemes that will be offered to selected candidates. Table-2 lists the eligible disciplines and orientation of the Training Programme at each of the Training Schools. A Trainee Scientific Officer (TSO), who scores a minimum of 50% aggregate marks on completion of the Training Programme, is declared to have completed the course successfully. Successful TSOs will be posted as Scientific Officers in one of the following DAE units:

a) Bhabha Atomic Research Centre (BARC), Mumbai\*, b) Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam, c) Raja Ramanna Centre for Advanced Technology (RRCAT), Indore, d) Variable Energy Cyclotron Centre (VECC), Kolkata, e) Heavy Water Board (HWB), Mumbai\*, f) Nuclear Fuel Complex (NFC), Hyderabad\*, g) Board of Radiation and Isotope Technology (BRIT), Mumbai\*, h) Nuclear Power Corporation of India Ltd (NPCIL), Mumbai\*, i) Bharatiya Nabhikiya Vidyut Nigam Ltd (BHAVINI), Kalpakkam\*, j) Atomic Minerals Directorate for Exploration & Research (AMD), Hyderabad\*, k) Uranium Corporation of India Ltd (UCIL), Jaduguda\*, l) Directorate of Construction, Services and Estate Management (DCS&EM), Mumbai\*

\*These units have their Head Office at the indicated locations. Placement can be at the Head Office or at other facilities of these units located in different parts of India.

**Allocation of a successful OCES TSO to a DAE unit is carried out based on the needs of DAE's programmes and the TSO's performance in the OCES/DGFS programme. DAE reserves the right to place TSOs in any of its other units also or the Atomic Energy Regulatory Board (AERB).**

Performance above a specified threshold in course work at the Training School will entitle TSOs to a Post-Graduate Diploma or could earn them credits towards M.Tech./Ph.D. programmes of Homi Bhabha National Institute (HBNI), a Deemed to be University.

**2. Two-Year DAE Graduate Fellowship Scheme for Engineering Graduates for the years 2024-2026 (DGFS-2024).** Under this scheme, Engineering Graduates who have excelled in the Selection Interviews for the BARC Training Schools' programme and who have independently secured admission for M.Tech. in DGFS Institutes and specializations as listed in Table-3, are paid stipend and tuition fee to pursue M.Tech. degree while retaining their employment in DAE. After successful completion of one-year course work at the DGFS Institute, Fellows undertake project work, which is assigned by DAE and supervised jointly by a DAE guide and the DGFS Institute guide. On successful completion of M.Tech. they are posted as Scientific Officers in DAE. On joining, they are required to first undertake a four-month **Orientation Course for DGFS Fellows (OCDF)** at the BARC Training School, Mumbai. Their Placement will be at BARC\*\* and IGCAR. Allocation of a DGFS Fellow to a DAE unit is done at the beginning of the M.Tech. programme.

\*\*Placement can be at any of the BARC facilities located in different parts of India.

Selected candidates are required to execute an agreement and a personal Indemnity Bond to serve DAE for at least three years after completion of Training. Indemnity Bond for OCES candidate would consist of stipend and book allowance paid to OCES TSOs. Indemnity Bond# for DGFS candidate would consist of stipend, tuition fees paid to DGFS institute and contingency grant along with additional funding up to a sum of ₹ 4,00,000 under the BRNS Fast Track Project scheme to purchase equipment/consumables deemed necessary for completion of M.Tech. project, as per actuals paid. No third party surety is required.

#The Bond Amount mentioned for DGFS Fellows pursuing M.Tech. at certain DGFS Institute may be different, depending on the tuition fee at the concerned Institute.

During Training: (i) Stipend and Allowances: OCES TSOs and DGFS Fellows are paid a stipend of ₹ 55,000/- per month during the period of their Training. Additionally, the OCES TSOs are paid a one-time book allowance of ₹ 18,000/-. (ii) DGFS Fellows are reimbursed the tuition fee for M.Tech. programme and are additionally paid a one-time Contingency Grant of ₹ 40,000/- per annum for two years to meet M.Tech. project related expenses. (iii) Boarding and Lodging in DAE or DGFS Institute Hostel respectively, during Training, is mandatory.

**GRADE AND PAY SCALE ON APPOINTMENT**

Appointment in all the units shall be as a Scientific Officer in a Group-A Post of the Government of India in the Level 10 – ₹ 56,100/- of 7<sup>th</sup> CPC Pay Matrix. Appointment will be at the beginning of the pay scale with OCES TSOs getting two or three increments depending on their performance during the OCES programme and the DGFS Fellows getting three or four increments\*\*\* depending on their performance in M.Tech. and the four-month OCDF. Total Monthly Emoluments (with three increments) at the time of joining including Dearness Allowance, House Rent Allowance and Transport Allowance as per the present Mumbai rate will be approximately ₹ 1,20,000/-. In addition, other Allowances such as Leave Travel Concession by air, every year up to first eight years (subject to conditions) and once in two years thereafter, Children's Education Allowance, **annual Professional Update Allowance and Performance Related Incentive Scheme (PRIS) as per Government norms subject to approval and revised from time to time, are also payable.** A comprehensive Contributory Health Service Scheme for employees and their dependent family members is also available.

**\*\*\*DGFS Candidates whose performance in the M.Tech. and OCDF programme is below a specified threshold will get zero increment.**

**SELECTION PROCESS**

Selection to OCES/DGFS-2024 is a two-step process: **Screening** to shortlist candidates

**OCES-2024: One-Year Orientation Course for Engineering Graduates & Science Postgraduates (OCES) starting in August, 2024 will be conducted at BARC Training Schools situated at BARC, Mumbai & AMD, Hyderabad. On successful completion of the OCES programme, Trainee Scientific Officers (TSOs) will be appointed as Scientific Officers in one of the DAE units or Atomic Energy Regulatory Board.**

**DGFS-2024: Two-Year DAE Graduate Fellowship Scheme for Engineering Graduates (DGFS) for joining M.Tech., starting in July 2024, in DGFS Institutes and specializations (Table-3).**

**On successful completion of DGFS programme, placement of DGFS fellows will be either at BARC or IGCAR.**

**The OCES & DGFS programmes offer attractive career progression opportunities up to the highest echelons.** Performance of OCES TSOs above a certain threshold at the BARC Training School will entitle them to a Post-Graduate Diploma of Homi Bhabha National Institute (HBNI), a Deemed to be University and could also earn them credits towards M.Tech. / Ph.D. programmes of HBNI. DGFS Fellows will get opportunities, some time in their career, for pursuing Ph.D. through HBNI after joining DAE.

**DAE strives to have a workforce which reflects gender balance and women candidates are encouraged to apply.**

followed by **Selection Interview** of the shortlisted candidates.

There is a separate selection process for each of the OCES screening disciplines listed in Table-1. **Table-1 also shows the eligible qualifying degree for individual OCES/DGFS screening discipline along with available training schemes for selected candidates through various OCES screening discipline. Radiological Safety & Environmental Science (RSES) is an additional Training Scheme option available to candidates selected through Physics and Chemistry OCES disciplines (codes 41 and 42).**

**Screening for Selection Interview** is through two alternative channels:

**(a) Online Screening Examination:** It will be conducted in **eight** Engineering OCES disciplines (codes 21-28) and in **four** Science OCES disciplines (codes 41- 43 and 45) at more than forty cities spread across India. The Online Screening Exam for OCES/DGFS-2024 will be held in March 2024. Travel Allowance is not paid for appearing in it.

**(b) Graduate Aptitude Test in Engineering (GATE) Score:** Candidates will be screened in for Selection Interview on the basis of a **GATE-2022, GATE-2023 or GATE-2024 score.**

**Cut-off GATE Scores for screening into Selection Interviews will be decided only after the Online Test has concluded and candidates are therefore advised to maximize their chances of being screened into the Selection Interview stage by availing both the screening avenues (viz., BARC online exam and GATE). An additional screening option is available for post graduate candidates of Basic Science disciplines (Biosciences, Physics and Chemistry) graduating from CEBS Mumbai & NISER Bhubaneswar.**

Students graduated/graduating with a Masters Degree from University of Mumbai – Department of Atomic Energy Centre for Excellence in Basics Science (UM-DAE CEBS) and National Institute of Science Education and Research (NISER), Bhubaneswar in the academic year 2022-2023 / 2023-2024, and whose Cumulative Grade Point Average (CGPA) is greater than or equal to 7.5 on a scale of 10 will be directly screened into the Selection Interview stage, provided they meet all other eligibility requirements of the OCES/DGFS-2024 programme. It is to be noted that this option of being screened in based on CGPA can be exercised only once. Such candidates should first submit their application for the OCES/DGFS-2024 programme on the Online Application Portal and subsequently forward their details through the Director of their institute.

**Selection Interviews** of shortlisted candidates in all disciplines except Geology will be conducted at the BARC Training School, Mumbai. Interviews in Geology discipline will be held in Hyderabad. Outstation applicants travelling for Interview will be paid to-and-fro AC-III tier normal train fare by shortest route or actual fare, whichever is less. Selection Interviews are tentatively scheduled to be held in May-June, 2024. The list of candidates shortlisted for Selection Interview will be posted on the Online Application Portal in April, 2024. Shortlisted candidates will be able to choose an Interview slot, based on availability, on the Online Application Portal, in the third week of April, 2024. **Final Selection is solely on the basis of performance in Selection Interview, subject to medical fitness.**

**Other Opportunities:** Candidates applying for OCES/DGFS-2024 may be considered for direct recruitment in Institute for Plasma Research (IPR). Such candidates will be governed by stipendiary norms and terms & service conditions of IPR on absorption.

**ELIGIBILITY CRITERIA**

**A. Qualifying Degrees and Other Academic Requirements for OCES/DGFS-2024: Candidates whose qualifying degree name includes the core degree name with any specialization are also eligible for OCES/DGFS-2024 programme. Also refer to names of the degrees which are not eligible for OCES/DGFS programme as mentioned below.**

**a) For Engineering disciplines (OCES Exam codes 21-28):** B.E./B.Tech./ B.Sc.(Engineering) / 5-year Integrated M.Tech. with a minimum of 60%\* aggregate marks. In one of the engineering qualifying degree mentioned in Table-1. Applicants opting to be considered on the basis of a GATE score must have a **GATE-2022, GATE-2023 or GATE-2024 Score** in the same engineering discipline as the qualifying degree discipline. **Those having qualifying degree in branches like Aerospace Engg., Automobile Engg., Automotive Engg., Aeronautical Engineering, Industrial Production Engg., Manufacturing Engineering, Mining Machinery Engg., Industrial Metallurgy Engg., Reliability Engg., Ceramics Engg., Architecture Engg., Geology Engg., Mining Engg., Marine Engg., Bio-Medical Electronics/ Instruments Engg., Communication Engg., Information Technology, Mechatronics, Dyes & Dye Intermediates, Electrochemical Engg., Energy Systems, Oils & Fats, Paints & Varnishes Engg., Petrochemicals Engg., Plastics, Paper Engg., Sugar Technology, Textiles Engg., Control Engineering, Power Engineering, Power Plant Engineering, Software Engineering, Electronics & Computer Engineering, Information science/ Technology, Biomedical Electronics Engg., Biomedical Instrumentation Engg., Chemical Science & Technology, Chemical Technology, Energy Engg., Environmental Science Engineering, Structural Engineering, Biotechnology and Biochemical Engg., ME in CAD,CAM, M. Sc. in Computer Sc., Master of Computer Applications, B. Sc. in Computer Sc., BS in Chemical Engineering, BSMS in Electrical & Computer Engg. BSMS programme in Electronics etc. are NOT eligible.**

**b) For Physics discipline (OCES Exam code 41):** M.Sc. /Integrated M. Sc. in Physics / Applied Physics/ Nuclear Physics/ Solid State Physics/ Condensed Matter Physics/ Atomic and Molecular physics/ Particle & High Energy Physics/ / Nano Sc. & Technology/ Astronomy/ Engineering physics with Physics and Mathematics at B.Sc. or at subsidiary and/or ancillary level in case of 5-year integrated M.Sc. or B.E. /B.Tech. in Engineering Physics with a minimum of 60%\* aggregate marks in the qualifying degree. M.Sc. candidates (other than those applying with a 5-year integrated M.Sc. degree) must additionally have a minimum of 60%\* aggregate marks in B.Sc.. Physics postgraduate applicants opting to be considered on the basis of a GATE Score should have a

**GATE-2022, GATE-2023 or GATE-2024 Score** in 'Physics'. Applicants having B.E./B.Tech. (Engineering Physics) as qualifying degree can apply on the basis of a **GATE-2022, GATE-2023 or GATE-2024 Score** either in 'Physics' or in 'Engineering Sciences'. Those having **Medical Physics, Chemical Physics., Geophysics, M. Tech. in physics (Nanomaterials and Nanotechnology) etc. are NOT eligible.**

**c) For Chemistry discipline (OCES Exam code 42):** M.Sc. /Integrated M. Sc. in Chemistry, Physical chemistry, Organic Chemistry, Inorganic Chemistry, and Analytical Chemistry with Physics up to B.Sc. or at subsidiary and/or ancillary level in case of 5-year integrated M.Sc. and Mathematics at Std. XII or at B.Sc. or at subsidiary and / or ancillary level in case of 5-year integrated M.Sc. with a minimum of 60%\* aggregate marks in M.Sc. All candidates (other than those applying with a 5-year integrated M.Sc. degree) must additionally have a minimum of 60%\* aggregate marks in B.Sc. Applicants opting to be considered on the basis of a GATE Score should have a **GATE-2022, GATE-2023 or GATE-2024 Score** in 'Chemistry'. **Those having M.Sc. with specialization in subjects like Nanoscience / Nanotechnology Chemistry, Industrial Chemistry, Applied Chemistry, Textile Chemistry, Environmental Chemistry, Petroleum Chemistry, Nanoscience, Nanotechnology, Pharmaceutical Chemistry, Chemical Science & Technology, Natural Science, Chemistry (with specialisation in applied chemistry), M. Sc in Pharmaceutical Chemistry, M. Pharm. in Pharmaceutical Analysis, etc. are NOT eligible.**

**d) For Biosciences discipline (OCES Exam code 43):** M.Sc. /Integrated M. Sc. in Agriculture, Biochemistry, Microbiology, Molecular Biology, Biotechnology, Genetics, Botany, Zoology, Plant Science, Plant Breeding, Plant Pathology, Entomology, Food Technology, Food Science, Animal Science, Life Sciences, Biomedical Sciences, Bioinformatics /Computational Biology and BSMS in Biosciences with a minimum of 60%\* aggregate marks in M.Sc. as well as in B.Sc.; or B.E. / B.Tech. / B.Sc. (Tech.) only in Food Technology with minimum of 60%\* aggregate marks. M.Sc. applicants should have at least one out of Physics or Chemistry or Biochemistry or Agriculture Chemistry as a subject at the B.Sc. stage or at subsidiary and / or ancillary level in case of 5-year integrated M.Sc. Applicants opting to be considered on the basis of a GATE Score should have a **GATE-2022, GATE-2023 or GATE-2024 Score** in 'Life Sciences' or in 'Biotechnology'. **Those having M.Sc. with specialization in subjects like Fisheries, Horticulture, Forestry, Agronomy, Animal Husbandry, Marine Biology, Bio-analytical Sciences, Home Science, Plant Molecular Biology & Biotechnology, Nutrition Biology, Environmental Science, Bio-analytical Sciences, Biophysics and Molecular Biology, Agriculture with specialization in Environmental Science, Climate Science, Virology, Agricultural Entomology etc. and B.E. / B.Tech. / B.Sc. (Engg.) in Biotechnology, Genetic Engineering, Biomedical Engineering, Food Process Engineering, B. Sc. in Biotechnology, M. Tech in Food Science & Technology, etc. are NOT eligible.**

**e) For Geology discipline (Code 45):** M.Sc. or equivalent M.Tech. in Geology, Applied Geology, Applied Geochemistry, 5 or 6-year integrated M.Tech in Geological Technology with Geology at B.Sc. or upto subsidiary and / or ancillary level in case of 5 or 6-year integrated M.Tech in Geological Technology. Eligible candidates must have two subjects out of Mathematics, Physics and Chemistry up to B.Sc. or at subsidiary and / or ancillary level in case of 5-year integrated M.Sc./ 5-year integrated M.Tech., with minimum of 60%\* aggregate marks in M.Sc./ M.Tech. All eligible candidates (other than those applying with a 5-year integrated M.Sc. / M.Tech. degree) must have a minimum of 60%\* aggregate marks in B.Sc. Additionally, eligible candidates must have passed Mathematics in Std. XII. All applicants opting to be considered on the basis of a GATE Score should have a **GATE-2022, GATE-2023 or GATE-2024 Score** in '**Geology & Geophysics**'. **Those having B. Tech in Geology, Mining Engg., M. Sc. in Geoinformatics, Environmental Science with specialization in Remote sensing and GIS. B Tech in geology/ Geological Technology etc. are not eligible.**

**f) For Radiological Safety & Environmental Science (RSES):** RSES is an additional Training Scheme option available to the candidate selected through **Physics and Chemistry OCES disciplines (OCES screening discipline codes 41 and 42)** and hence there will not be separate screening test or Selection interview for RSES.

**g) Only regular M.Sc. degree is eligible. Those having M.Sc. (by research), M.Sc. (distant education), MSc. (part time) are not eligible.**

**\*A minimum of 60% marks (or minimum of 6.0 CGPA on the scale of 10.0 or equivalent) as per the ordinances of the respective university.**

**B. Admission to DGFS:** Candidates having a qualifying degree in disciplines 21-28 (as listed in Table 1) and who meet the corresponding eligibility criteria listed above are eligible to apply for DGFS provided they secure admission for M.Tech., starting in the academic year 2024, in **DGFS Institutes and in specializations listed in Table-3.** Confirmation of M.Tech. admission should be communicated after **announcement of the OCES-2024 Selection List. Securing admission in one of the valid M. Tech. specializations at one of the DGFS Institutes along with selection for OCES, make candidate eligible for DGFS program and DGFS Fellowship will be awarded as per the needs of DAE programmes and only to the most meritorious candidates as per Selection Interview performance.**

**C. Maximum age Limit (Age as on August 1, 2024)** a) General Category - 26 years, b) OBC (Non Creamy Layer)-29 years, c) SC/ST-31 years, d) Dependents of those who died in the riots of 1984 (Dep1984) -31 years, e) Persons domiciled in Kashmir Division of Jammu & Kashmir State from 01/01/1980 to 31/12/1989 (Dom Kashmir) -31 years. Person with physical disability with extent of disability 40% or more will be considered for age relaxation and may be permitted a scribe.

**Minimum age Limit (Age as on August 1, 2024) – 18 years**

**D. Nationality: Applicant must be a citizen of India.**

**E. Applicants working in Central/ State Government Units/ PSUs / Aided Institutes must produce a No Objection Certificate (NOC) from their organization at the time of Selection Interview, failing which they will not be interviewed.**

**F. Application Fee:** A non-refundable Application Fee of ₹ 500/- is chargeable from the male applicants belonging to General and OBC categories. **Women candidates, candidates belonging to SC/ST, Dependents of Defense Personnel Killed in Action (DODPKIA) and Physically Challenged candidates are exempted from payment of Application Fee.**

Candidates graduating in the academic year 2024-25 and awaiting final results may also apply. If selected, candidates who are eligible in all other respects but are **awaiting final results** will be allowed to commence the training programme. However, retention of these candidates in the OCES or DGFS programmes and release of their stipend are subjected to the condition that marksheet of their final result, which meets the eligibility requirements of the OCES/ DGFS programmes, shall be submitted by **31<sup>st</sup> December 2024** in case of OCES TSOs and as per the requirement of the concerned DGFS Institutes in the case of DGFS Fellows. It may also be noted that all the academic requirement for the award of qualifying degree must be completed before **31<sup>st</sup> July 2024**. All the candidates whose final result is awaited need to bring a certificate issued by competent authority about their completion of academic requirements for the award of qualifying degree on the date of joining of training programme.

**HOW TO APPLY – Only Online Applications will be accepted.**

Candidates are required to visit the website '<https://www.barcocesexam.in>' in the period specified in the table for Important updates and submit an Online Application by following the instructions therein. Candidates are advised to read the 'Information Brochure' before applying

**Table-1: Details of Eligible qualifying degrees for various OCES/DGFS screening discipline and applicable training Scheme**

OCES/ DGFS Screening Discipline CODE	OCES/DGFS Screening discipline	Details of Eligible Qualifying degree (Candidates whose qualifying degree name includes the core degree name with any specialization are also eligible for OCES/DGFS-2024 programme. Also refer to names of the degrees which are not eligible for OCES/DGFS programme)	GATE SUBJECT / PAPER (GATE Paper Code)	TRAINING SCHEME of BARC TS
(21)	Mechanical Engineering (ME)	B.E./B.Tech / B.Sc. (Engineering) /5-year integrated M. Tech. in Mechanical Engineering	Mechanical Engineering (ME)	Mechanical
(22)	Chemical Engineering (CH)	B.E./B.Tech /B.Sc. (Engineering)/ 5-year integrated M. Tech. in Chemical Engineering, Electro-chemical Engg	Chemical Engineering (CH)	Chemical
(23)	Metallurgical Engineering (MT)	B.E./B.Tech /B.Sc. (Engineering)/ 5-year integrated M. Tech. in Metallurgy / Metallurgical Engineering, Materials Engineering, Metallurgy & Materials Science, Metallurgical & Materials Engg., Metallurgical Engineering & Materials Science and Materials Science & Engg.	Metallurgical Engineering (MT)	Metallurgy
(24)	Electrical Engineering (EE)	B.E./B.Tech /B.Sc. (Engineering)/ 5-year integrated M. Tech. in Electrical Engineering / Electrical & Electronics Engineering	Electrical Engineering (EE)	Electrical
(25)	Electronics Engineering (EC)	B.E./B.Tech /B.Sc. (Engineering)/ 5-year integrated M. Tech. in Electronics Engg, Electrical Engg., Electronics & Communication Engg., Electronics & Telecommunication Engg., Electronics & Controls Engg., Electrical & Electronics Engg., Electronic System Engg.	Electronics & Communication Engg. (EC)	Electronics
(26)	Computer Science Engineering (CS)	B.E./B.Tech /B.Sc. (Engineering)/ 5-year integrated M. Tech. in Computer Science, Computer Engineering, Computer Science & Engineering	Computer Sc. & Information Technology (CS)	Computer Science
(27)	Instrumentation Engg. (IN)	B.E./B.Tech /B.Sc. (Engineering)/ 5-year integrated M. Tech. in Instrumentation Engg, Instrumentation & Controls Engg, applied Electronics & Instrumentation Engg. Electronics & Instrumentation Engg.	Instrumentation Engg. (IN)	Instrumentation
(28)	Civil Engineering (CE)	B.E./B. Tech /B.Sc. (Engineering)/ 5-year integrated M. Tech. in Civil Engineering	Civil Engineering (CE)	Civil
(41)	Physics discipline (PH)	M. Sc./Integrated M. Sc. in Physics / Applied Physics / Nuclear Physic/ Solid State Physics / Condensed Matter Physics/ Atomic and Molecular physics/ Particle & High Energy Physics/ Nano Sc. & Technology// Astronomy/ Engineering physics	Physics (PH)	Physics or RSES
		B.E./B.Tech. / Integrated M.Tech. in Engineering Physics	Physics (PH) or Engineering Sciences (XE)	
(42)	Chemistry discipline (CY)	M.Sc./Integrated M.Sc. in Chemistry, Physical chemistry, Organic Chemistry, Inorganic Chemistry, and Analytical Chemistry	Chemistry (CY)	Chemistry, or RSES
(43)	Biosciences discipline (BS)	M.Sc./Integrated M.Sc. in Biosciences, Life Sciences, Agriculture, Biochemistry, Microbiology, Molecular Biology, Biotechnology, Genetics, Botany, Zoology, Plant Science, Plant Breeding, Plant Pathology, Entomology, Food Science, Animal Science, Biomedical Science, Food Science, Food Technology, Bioinformatics / Computational Biology & BS-MS programme in Bioscience	Life Sciences (XL) or Biotechnology (BT)	Biosciences
		B.E./B.Tech. /B.Sc. (Tech.) in Food Technology		
(45)	Geology discipline	M.Sc. or equivalent M.Tech. in Geology, Applied Geology, Applied Geochemistry or 5 or 6-year integrated M.Tech. in Geological Technology,	Geology & Geophysics (GG)	Geology

**Note** RSES-Radiological Safety & Environmental Science. Candidate can apply for only one OCES screening discipline.

**“EXERCISING AUTHORITY: In all matters concerning the OCES/DGFS-2024 recruitment, the decision taken by the Competent Authority in BARC, Mumbai shall be final and binding on the Applicants and they shall abide by the decision in totality.**

(Advt. to be Continued Next Page...)

The Applicants while representing the matter shall not directly approach the Courts and will wait till the outcome of the decision by the Competent Authority in BARC. In case of any claims or disputes arising with respect to the OCES/DGFS-2024 recruitment, the venue of such proceedings, suit, action, or proceedings arising out of or related thereto will be governed / maintained in accordance with the laws of Republic of India subject to exclusive jurisdiction of the courts of Mumbai, India."

**Table-2: Training Schools, Eligible OCES/DGFS Disciplines and Nature of Orientation of Training**

Training School	Disciplines (refer Table-1)	Orientation of Training
BARC, Mumbai (Since 1957)	21 to 28, 41, 42 & 43	<ul style="list-style-type: none"> <li>Engineering Design, Development, Operation and Maintenance of Nuclear Reactors</li> <li>Research in frontier areas of Basic Sciences and Engineering</li> </ul>
AMD, Hyderabad (Since 2010)	45	<ul style="list-style-type: none"> <li>Exploration Techniques for Uranium and other Atomic Minerals and related R&amp;D activities</li> </ul>

**Table-3: Admissible M.Tech. Specializations/Programmes and Qualifying Degree (Discipline) for DGFS**

S. No.	Name of Dept./ Centre at the DGFS Institute	Details of Qualifying Degree# (Discipline)	Admissible GATE Subjects & GATE Subject Code	DGFS Institute**
1	Mechanical Engineering	B.E. /B.Tech. /B.Sc. (Engg.) in Mechanical Engg.	Mechanical Engg. (ME)	IITB, IITM
2	Applied Mechanics	B.E. /B.Tech. /B.Sc. (Engg.) in Mechanical Engg	Mechanical Engg. (ME)	IITM
3	Chemical Engineering	B.E. /B.Tech. /B.Sc.(Engg.) in Chemical Engg. / Electro-chemical Engg	Chemical Engg. (CH)	IITB, IITM
4	Metallurgical Engineering & Materials (IITB), Metallurgical & Materials Engineering (IITM)	B.E. /B.Tech. /B.Sc. (Engg.) in Metallurgy/ Metallurgical Engg. / Materials Engg./ Metallurgical & Materials Engg./ Materials Science & Engg./ Metallurgy & Materials Science	Metallurgical Engg. (MT)	IITB, IITM
5	Physics	B.E. /B.Tech. /B.Sc. (Engg.) in Metallurgy/ Metallurgical Engg. / Materials Engg./ Metallurgical & Materials Engg. / Materials Science & Engg./Metallurgy & Materials Science	Metallurgical Engg. (MT)	IITM
6	Civil Engineering,	B.E. /B.Tech. /B.Sc. (Engg.) in Civil Engg.	Civil Engg. (CE)	IITB
7	Environmental Science & Engineering	B.E. /B.Tech. /B.Sc. (Engg.) in Civil Engg.	Civil Engg. (CE)	IITB
8	Electrical Engineering	B.E. /B.Tech. /B.Sc. (Engg.) in Electrical Engg. /Electrical & Electronics Engineering / Electronics Engg. / Electronics & Communication Engg. Electronics & Telecommunication Engg/ Electronics & Control Engg. / Electronics & Instrumentation Engg./Instrumentation Engineering / Instrumentation & Controls Engg./ / Electronic System Engg.	Electrical Engg. (EE)/ Electronics & communication Engg. (EC) / Instrumentation Engg. (IN)	IITB
9	Electrical Engineering	B.E./ B.Tech./ B.Sc. (Engg.) in Electronics Engg. / Electronics & Communication Engg. / Electronics & Telecommunication Engg. / Electronics & Controls Engg. / Electrical & Electronics Engg. /Electronics & Instrumentation Engg. / Instrumentation Engg. /	Electronics & communication Engg. (EC)/ Instrumentation Engg. (IN)	IITM

S. No.	Name of Dept./ Centre at the DGFS Institute	Details of Qualifying Degree# (Discipline)	Admissible GATE Subjects & GATE Subject Code	DGFS Institute**
		Instrumentation & Controls Engg. / Electronic System Engg.		
10	Interdisciplinary Group for System & Controls Engineering	B.E. /B.Tech. /B.Sc. (Engg.) in Electrical/ Electronics / Electrical & Electronics Engineering / Electronics & Control Engg. / Electronics & Telecommunication Engg/ Electronics & Communication Engg. / Electronics & Instrumentation Engg. / Instrumentation Engineering/ Instrumentation & Controls Engg./ Electronic System Engg.	Electrical Engg. (EE) / Electronics & communication Engg. (EC)/ Instrumentation Engg. (IN)	IITB
11	Computer Science & Engineering	B.E. /B.Tech. /B.Sc. (Engg.) in Computer Science /Computer Engineering/ Computer Science & Engineering)	Computer Sc. & Information Technology (CS)	IITB
12	Computer Science & Engineering	B.E. /B.Tech. /B.Sc. (Engg.) in Computer Science /Computer Engineering/ Computer Science & Engineering/ Electronics/ Electrical & Electronics Engineering/ Electronics & Control Engg. / Electronics & Telecommunication Engg / Electronics & Communication Engg. /Electronic System Engg.	Computer Sc. & Information Technology (CS)/ Electronics & communication Engg. (EC)	IITM

# Candidates whose qualifying degree name includes the core degree name with any specialization are also eligible for OCES/DGFS-2024 programme. Also refer to names of the degrees which are not eligible for OCES/DGFS programme.

\*\* Institutes where specified M.Tech. courses are offered under this scheme: IITB = IIT Bombay; IITM = IIT Madras. Number of DGFS Fellows selected in each approved M.Tech. specialization at the Institutes under the DGFS scheme will depend upon the requirements of DAE

For relevant M. Tech specialization please refer to information brochure available on <https://www.barcocesexam.in>

**Important Dates (All Dates are Tentative and Applicants must visit Online Application Portal <https://www.barcocesexam.in> regularly for updates)**

Launching of Online Application Portal for OCES/DGFS-2024	30 <sup>th</sup> December 2023
Last date for Online Application	30 <sup>th</sup> January 2024
Correction window for online application	16 <sup>th</sup> -18 <sup>th</sup> February 2024
Online Exam	16 <sup>th</sup> & 17 <sup>th</sup> March 2024
Last date for candidates to upload their GATE-2024 score	24 <sup>th</sup> March 2024
Display of List of candidates shortlisted for Interview on Online Application Portal	First week of April 2024
Availability based option on Online Application Portal to select Interview Slot for screened in candidates	Second week of April 2024
Selection Interviews	14 <sup>th</sup> May- 14 <sup>th</sup> June 2024
Display of List of Candidates finally selected for OCES-2024 on Online Application Portal	Last week of June 2024
Last Date for Selected OCES-2024 Candidates desirous of DGFS to give details of M. Tech. admission in a DGFS institute	Second week of July 2024
Declaration of List of Applicants Selected for DGFS-2024 on Online Application Portal	3 <sup>rd</sup> week of July 2024
Medical Test for Selected Candidates	Last week of July 2024
Commencement of OCES-2024	First week of August 2024



Persons desirous to apply for the OCES / DGFS – 2024 programme may visit the website <https://www.barcocesexam.in> from December 30, 2023 onwards and follow the instructions therein.

