



Advertisement No.3/2008

**Government of India
Department of Atomic Energy
Indira Gandhi Centre for Atomic Research, Kalpakkam – 603 102.**

*You Have A Desire To Innovate !
We Have An Opportunity To Stimulate!!
ComeJoin Hands !!!*

We provide the means to realize your dreams towards seeking an excellent scientific pursuit

An Invitation to take up Challenging careers in DAE

Indira Gandhi Centre for Atomic Research (IGCAR) set up in 1971 at Kalpakkam (Kalpakkam is a coastal hamlet, located 80 kms South of Chennai [MADRAS] and is 8 kms South of historic Mamallapuram (Mahabalipuram)), is a premiere R&D establishment of the Department of Atomic Energy. The primary mission of the Centre is to conduct a broad based multidisciplinary programme of robust Scientific Research and Advanced Engineering, directed towards the development of technology of sodium cooled Fast Breeder Reactors (FBR) and associated closed fuel cycle technologies. The programmes at IGCAR are at the cutting edge of frontier areas of science and technology. The vision of the Centre is to establish world leadership in FBR and associated closed fuel cycle technologies by 2020. IGCAR offers excellent opportunities for Engineers, Scientists and Technicians to participate in its program of power generation and application of radiation to the benefits of society.

Come, Join Us

The mission oriented program of IGCAR offers challenging and complimentary roles for scientists, engineers and technicians. If you are a Postgraduate in Science/ Engineering or a Graduate in Science/ Engineering or a Diploma holder in Engineering or ITI qualified with a passion for taking up challenging assignments to contribute to the efforts of the Department to provide energy security to the nation, we welcome you to apply to join the Centre, as a Scientific Officer / Engineer / Scientific Assistant / Tradesman / Technician. We are looking for young Graduates/ Diploma holders / SSC / HSC/ ITI qualified in various science/ engineering disciplines to join our teams to take up R&D programmes related to FBR and fuel cycle development including construction of process plants and facilities on an industrial scale. The Organization has a progressive HRD policy and provides an excellent growth potential for the right individual through its periodical merit based performance review system [called Merit Promotion Scheme] de-linked from availability of higher post, by which the staff can be evaluated for the advancement of the career in the Organization. Our organization is one of the constituent institutions of Homi Bhabha National Institute [HBNI], deemed to be a University which facilitates opportunities for employees to upgrade their qualification if they so desire. The Organization also provides for medical facilities [Contributory Health Service Scheme], free transport facilities, housing accommodation subject to availability, in addition to the facilities provided to the other Central Government Staff. We have well maintained green townships with the facilities viz. Central Schools, Swimming Pool, Co-operative Stores etc. IGCAR is housed in a beautiful campus with one of the best working environments available in the country. The State of the art, design and development facilities and a well-stocked Library provide an excellent opportunity for professional development.

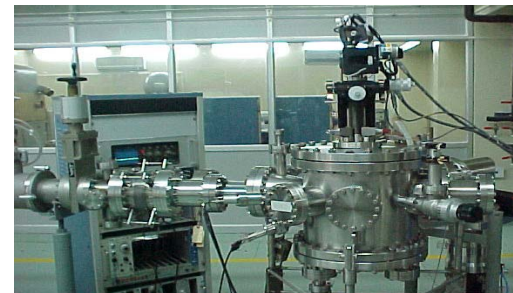
What you need to do?

If you meet the educational qualification, age limits and other requirements mentioned against the posts below, please rush us an application addressed to:

**Administrative Officer –II (R)
Indira Gandhi Centre for Atomic Research
Kalpakkam 603 102,
Kancheepuram District, Tamil Nadu**

Please go through the details of the posts carefully and prepare your application.

***At IGCAR, we believe in 'EXCELLENCE WITH RELEVANCE'.
Our strengths are the highly stimulating and scholarly environment,
state-of-the-art facilities and the seamless interface between
Science, Engineering and Technology***



<u>01. NAME OF THE POST - SCIENTIFIC OFFICER/ENGINEER GRADE "D"</u>	
Total Number of Posts	04 [Four] [Unreserved]
Category – I [MECHANICAL/METALLURGY]	
Number of posts	01 [One]
Qualification	<p>1. ME/M.Tech Degree in Mechanical/Metallurgy with a minimum of 60% marks from a recognized University.</p> <p>Essential: Two years Experience in Fracture Mechanics.</p> <p style="text-align: center;">OR</p> <p>2. PhD.</p>
Category – II [CONCRETE TECHNOLOGY]	
Number of posts	01 [One]
Qualification	<p>1. B.E/ B.Tech Degree in [Civil Engineering] with a minimum of 60% marks, from a recognized University</p> <p style="text-align: center;">OR</p> <p>2. ME/M.Tech Degree in [Civil Engineering] with a minimum of 60% marks, from a recognized University with specialization in concrete technology.</p> <p>Essential: Four years experience for B.E/B.Tech and Two years experience for ME/M.Tech in quality control of Concrete / Mix designs and other related tests of concrete cement, reinforcement steel, structural steels and other civil construction materials as per relevant BIS and ASTM standards. Experience in concrete R&D.</p>
Category – III [ELECTRONICS]	
Number of posts	01 [One]
Qualification	<p>M.Tech Degree in Electronics Engineering with a minimum of 60% marks from a recognized University.</p> <p>Essential: Two years of experience in Design & testing of analog and digital electronics.</p>
Category – IV [CHEMISTRY]	
Number of posts	01 [One]
Qualification	<p>1. M.Sc., Degree in Chemistry/Analytical Chemistry with a minimum of 60% marks from a recognized University.</p> <p>Essential: Five years of experience in Chemistry/Analytical Chemistry work.</p> <p style="text-align: center;">OR</p> <p>PhD in Chemistry/Analytical Chemistry.</p>
<u>02. NAME OF THE POST - SCIENTIFIC OFFICER/ENGINEER GRADE "C"</u>	
Total number of posts	24 [Twenty Four] [SC-02, ST-08 , OBC-11, UR- 03]
CATEGORY – V [MECHANICAL ENGINEERING]	
Number of posts	02 [Two]
Qualification	<p>B.E. / B.Tech degree in [Mechanical Engineering], with a minimum of 60% marks from a recognized University.</p> <p>Desirable: 2 years experience in Power Plant/Process Plant operation / exposure to fracture toughness evaluation.</p>
CATEGORY – VI [ELECTRICAL]	
Number of posts	02 [Two]
Qualification	<p>B.E. / B.Tech Degree in [Electrical Engineering], with a minimum of 60% marks from a recognized University.</p> <p>Desirable: 2 years experience in Power Plant/Process plant operation / experience in the erection testing and commissioning of LT & HT Switch gears.</p>

CATEGORY – VII [ELECTRICAL & ELECTRONICS]	
Number of posts	01 [One]
Qualification	B.E. / B.Tech Degree in [Electrical & Electronics Engineering], with a minimum of 60% marks from a recognized University. Desirable: 2 years experience in the Preparation of specification, erection, testing and commissioning of transformers, LT & HT Switch gears and other electrical installations.
CATEGORY – VIII [CIVIL]	
Number of posts	01 [One]
Qualification	B.E. / B.Tech Degree in [Civil Engineering], with a minimum of 60% marks from a recognized University. Desirable: Two years experience in: Design / Construction of Multistoried Structures and Preparing Design Documentation OR Site Development and Construction of Infrastructure, Formation of Roads, Surveying and Documentation OR Design and Construction /Operation and Maintenance of Public Health Engineering works for a large project/building complex OR Estimation, Tendering, Contract Management and Measurements & Billing for large scale civil works OR Checking and Scrutiny of Design and Construction Drawings and Design Documents for Conformation to standards and specifications.
CATEGORY – IX [CIVIL – SITE WORKS]	
Number of posts	03 [Three]
	B.E./B.Tech in Civil Engineering Degree with a minimum of 60% of marks from a recognized University. Desirable: Experience in Construction of Multistoried Structures in RCC / Structural Steel, Site Development and Construction of Infrastructure, Formation of Roads, Surveying Construction / Operation and Maintenance of Public Health Engineering works with overall site management for large projects / building works.
Category – X [ARCHITECT]	
Number of posts	01 [One]
Qualification	B.E./B.Tech in Architecture with a minimum of 60% marks from a recognized University. Desirable: Experience in a Large consulting or architectural firm with working knowledge of preparation of plot plans and modeling architectural drawings for large industrial or multistoried buildings and knowledge or construction/building standards. Proficiency in the use of personal computers and relevant latest architectural software.
Category – XI [CIVIL DESIGN]	
Number of posts	01 [One]
Qualification	B.E./B.Tech in Civil Engineering with a minimum of 60% marks, from a recognized University. Desirable: Experience in Design and detailed Engineering of Multistoried industrial structures RCC / Structural steel, Public Health, Proficiency in the use of personal computers and Civil design and Analysis using latest software.
Category – XII [ELECTRONICS & INSTRUMENTATION]	
Number of posts	04 [Four]
Qualification	BE/B.Tech in Electronics & Instrumentation with a minimum of 60% marks from a recognized University. Desirable: Experience in Computer Modeling / Networking / Design of I&C systems / VLSI system design.

Category – XIII [BIOTECH]	
Number of posts	01 [One]
Qualification	M.Sc/B.Tech in Bio-Chemistry / Biotechnology. Desirable: Experience *
Category – XIV [INDUSTRIAL SAFETY]	
Number of posts	01 [One]
Qualification	1. B.E. /B.Tech in [Mechanical or Chemical or Electrical or Civil] with a minimum of 60% of marks from a recognized University plus one year Diploma in Industrial Safety from any Regional Labour Institute . OR 2. B.E/B.Tech in Fire and Industrial Safety Engineering with a minimum of 60% of marks from a recognized University. Desirable: Two to Three years experience in Industrial Safety in large Industries/Factories.
Category – XV [METALLURGY]	
Number of posts	04 [Four]
Qualification	B.E/B.Tech degree in [Metallurgical Engineering], with a minimum of 60% marks, from a recognized University. Desirable: Two years of experience in Design for Welding Automation Inspection and Documentation in a Modern Industrial Plant / Exposure to Modeling and / or Science and Technology of Welding / Exposure to fracture toughness evaluation.
Category – XVI [PHYSICS]	
Number of posts	02 [Two]
Qualification	M.Sc., degree in [Physics/Material Science] with a minimum of 60% marks from a recognized University. Desirable: Two years experience in Modeling in Material Science Engineering.
Category – XVII [MATERIAL SCIENCE]	
Number of posts	01 [One]
Qualification	M.Sc., degree in [Material Science] with a minimum of 60% marks from a recognized University. Desirable: Two years experience in Metallurgical/Mechanical testing laboratories.
03. <u>NAME OF THE POST - SCIENTIFIC ASSISTANT "B"</u>	
Total number of post	[33] [Thirty Three] [SC-02, ST-08, OBC-09, UR-14]
Category – XVIII [ELECTRICAL]	
Number of posts	05 [Five]
Qualification	Diploma in Electrical Engineering [3 years after SSC], with minimum of 60% marks in Diploma from a recognized Institute. Desirable: Two years Experience in Installation, operation and maintenance of HT & LT switchgears, Transformer, Motor control centres and Power Distribution system.
Category – XIX [ELECTRONICS & INSTRUMENTATION]	
Number of posts	02 [Two]
Qualification	Diploma in Electronics Engineering [3 years after SSC], with minimum of 60% marks in Diploma from a recognized Institute. Desirable: One or Two years Experience in the field of Instrumentation and Control.

Category – XX [MECHANICAL]	
Number of posts	01 [One]
Qualification	Diploma in Mechanical Engineering [3 years after SSC], with minimum of 60% marks in Diploma, from a recognized Institute. Desirable: Two years experience in piping and QA activities related to piping system such as weld inspection, Weld qualification, eddy current testing & ultrasonic testing etc. ISNT level I/II in any two conventional NDE methods [PT/RT/UT/LT].
Category – XXI [INDUSTRIAL SAFETY]	
Number of posts	02 [Two]
Qualification	Diploma in Mechanical/Electrical/Chemical/Civil Engineering with a minimum of 60% of marks from a recognized University plus one year Diploma in Industrial Safety from any Regional Labour Institute. Desirable: One year experience as Safety Supervisor in a factory or construction project.
Category – XXII [CIVIL]	
Number of posts	07 [Seven]
Qualification	Diploma in Civil Engineering [3 years after SSC], with minimum of 60% marks in Diploma from a recognized Institute. Desirable: Two years Experience in Construction of Multistoried Structures and Checking of Design drawings / documentation OR Two years experience in Site development and Construction works, surveying and documentation OR Two years experience in Design and Construction / Operation and Maintenance of Public Health Engineering works for a large projects / building complex OR Two years experience in Concrete Technology.
Category – XXIII [HORTICULTURE]	
Number of posts	01 [One]
Qualification	B.Sc in Horticulture [4 years after HSC], with minimum of 60% marks in degree from a recognized Institute. Desirable: Two years Experience in Planning and Execution of Landscaping, Ornamental, horticulture and Plantation, development of Lawn and Nursery with desirable experience in Medicinal plantation and Pebble garden etc.
Category – XXIV [PHYSICS]	
Number of posts	10 [Ten]
Qualification	B.Sc., in Physics [Physics, Mathematics and Chemistry] with minimum of 60% marks in Degree, from a recognized University. Physics should be the major discipline in B.Sc., with above mentioned subjects as combination. Desirable: Three years Experience in Electron optical instruments / ISNT Level-I certification in at least one NDE method.
Category – XXV [CHEMICAL]	
Number of posts	04 [Four]
Qualification	Diploma in Chemical Technology with minimum of 60% marks in Diploma from a recognized University. Desirable: Three years Experience in Chemical Process Plant Operation.

Category – XXVI [PHOTOGRAPHY]	
Number of posts	01 [One]
Qualification	<p>1. B.Sc., Degree in Visual Communication with minimum of 60% marks from a recognized University.</p> <p style="text-align: center;">OR</p> <p>2. Bachelor's degree in Science with a minimum of 60% marks plus Diploma in Photography from a well-reputed Institution.</p> <p>Desirable: Experience in advertising / media production for a period of one year. Should have theoretical and practical knowledge of photography, videography, editing and control of Audio-visual systems. Should be familiar with software Adobe Photoshop etc.</p>
04. NAME OF THE POST – DRAUGHTSMAN "A"	
Total number of post	03 [Three] [SC-NIL, ST-NIL, OBC-NIL, UR-03]
Category –XXVII [DRAUGHTSMAN/A [CIVIL]	
Number of posts	02 [Two]
Qualification	<p>SSC/HSC passed with minimum of 60% marks in Science and Mathematics put together plus ITI Certificate in Draughtsman Civil Engineering trade [2 years duration] from a recognized Technical Institute.</p> <p>Desirable: Three years experience in Design drafting and preparation of detailed structural drawings for large industrial or multistoried buildings..</p>
Category –XXVIII [DRAUGHTSMAN/A [MECHANICAL]	
Number of posts	01 [One]
Qualification	<p>SSC/HSC passed with minimum of 60% marks in Science and Mathematics put together plus ITI Certificate in Draughtsman Mechanical Engineering trade [2 years duration] from a recognized Technical Institute.</p> <p>Desirable: Three years experience in Design drafting and preparation of machine /Process equipment drawings.</p>
05. NAME OF THE POST – TRADESMAN "B"	
Total number of post	34 [Thirty Four] [SC-06, ST-NIL, OBC-08, UR-20]
Category – XXIX [ELECTRONICS]	
Number of posts	02 [Two]
Qualification	<p>SSC passed with minimum 50% marks in Science and Mathematics put together followed by ITI Certificate in Electronics trade from a recognized Technical Institute.</p>
Category –XXX [PLANT OPERATOR]	
Number of posts	12 [Twelve]
Qualification	<p>SSC/HSC passed with minimum of 50% marks in Science and Mathematics put together plus ITI Certificate in Chemical Plant Operation [2 years duration/NCTVT not less than three years] from a recognized Technical Institute.</p> <p>Desirable: Two years experience in Operation of inert gas recirculation and air ventilation systems.</p>
Category –XXXI [FITTER]	
Number of posts	07 [Seven]
Qualification	<p>SSC passed with minimum of 50% marks in Science and Mathematics put together plus ITI Certificate in Fitter trade from a recognized Technical Institute.</p> <p>Desirable: Two years experience in Fabrication of vessels, piping fabrication, structural fabrication, structures and fitting works.</p>

Category –XXXII [MACHINIST]	
Number of posts	02 [Two]
Qualification	SSC/HSC passed with minimum of 50% marks in Science and Mathematics put together plus ITI Certificate in Machinist trade from a recognized Technical Institute. Desirable: Two years experience in operation of Fabrication Machineries / CNC machine tools.
Category –XXXIII [TURNER]	
Number of posts	02 [Two]
Qualification	SSC/HSC passed with minimum of 50% marks in Science and Mathematics put together plus ITI Certificate in Turner trade from a recognized Technical Institute. Desirable: Two years experience in Operating CNC machines / conventional lathes.
Category – XXXIV [MILLWRIGHT FITTER]	
Number of posts	05 [Five]
Qualification	SSC/HSC passed with minimum of 50% marks in Science and Mathematics put together plus ITI Certificate in Millwright Fitter trade from a recognized Technical Institute. Desirable: Two years experience in Machine Tools maintenance/ material handling and EOT crane operation.
Category – XXXV [LABORATORY]	
Number of posts	04 [Four]
Qualification	SSC/HSC passed with 50% marks aggregate in Physics, Chemistry, Biology and Mathematics. Desirable: Two years experience in Laboratory Operation.

* **Category – XIII [BIOTECH] Desirable:** Experience is in synthesis and characterization of bio-nanomaterials, functionalization of nanoparticles with biomolecules and use of nanomaterials for drug delivery and cell separation.

AGE LIMITS AS ON 01.07.2008

Age Limit for the Post of Scientific Officer/Engineer 'D': Not more than 35 years

Age Limit for the Post of Scientific Officer/Engineer 'C': Not more than 35 years

Age Limit for the Post of Scientific Assistant 'B': Not more than 30 years

Age Limit for the Post of Draughtsman 'A': Not more than 30 years

Age Limit for the Post of Tradesman 'B': Not more than 25 years

Age Relaxation for all the Posts: Except Scientific Officer / D posts.

[a] SC/ST - Relaxation up to 5 years

[b] OBC - Relaxation up to 3 years

[c] Physically Handicapped - Relaxation up to 10 years

[d] Ex-serviceman - as per rules of Govt. of India in vogue

Emoluments and Other Incentives:

Scale of Pay for the Post of Scientific Officer/Engineer "D" : Rs.10000-325-15200

Scale of Pay for the Post of Scientific Officer/Engineer "C" : Rs.8000-275-13500

Scale of Pay for the Post of Scientific Assistant "B" : Rs.5500-175-9000

Scale of Pay for the Post of Draughtsman "A" : Rs.5000-150-8000

Scale of Pay for the Post of Tradesman "B" : Rs.3200-85-4900

Total emoluments for all the Posts at the minimum of the scale including DA will be:

Scientific Officer/Engineer "D" : Rs. 22050/- p.m. (approx.)

Scientific Officer/Engineer "C" : Rs. 17640/- p.m. (approx.)

Scientific Assistant "B" : Rs. 12128/- p.m. (approx.)

Draughtsman "A"	:	Rs. 11025/- p.m. (approx.)
Tradesman "B"	:	Rs. 7056/- p.m. (approx.)

That emoluments mentioned above are likely to be more after the implementation of VI Pay Commission Report.

HOW TO APPLY

1. The application should be submitted in the proforma given in the Advertisement, preferably typewritten on thick A4 Paper only [size 34CMs x 22CMs].
2. The application and the outer cover should be superscribed as **APPLICATION FOR THE POST OF _____ CATEGORY No.: _____ IN IGCAR, AGAINST THE ADVERTISEMENT No. 3/2008.**
3. A recent passport size photograph should be pasted on the space provided on the right hand top corner of the application and another to be pasted on the admit card.
4. The application for the posts Scientific Officer/ Engineers Grade "D" & "C" should be accompanied by a Non refundable crossed Indian Postal Order or Demand Draft drawn in favour of The Pay & Accounts Officer, IGCAR, Kalpakkam for a sum of Rs.50/- payable in SBI Bank/Canara Bank, Kalpakkam. SC/ST candidates, Disabled Defence personnel and dependents of Defence Personnel killed in action and Ex-servicemen are exempted from paying the above fee. For the posts of Scientific Assistant "B", Draughtsman "A" and Tradesman "B" Postal Order / Demand Draft is not required.
5. Application should accompany the attested copies of certificates of
 - [a] Educational and Technical Qualifications and all mark sheets of the qualifying Examination
 - [b] Date of birth proof
 - [c] Certificates issued by the Competent Authorities regarding their claim that they belongs to SC / ST / OBC / Physically Handicapped / Ex-Servicemen.
 - [d] Land loser Certificate and copy of award of Compensation, in case any land to D.A.E. Projects have been given by the Candidate or his/her Parents.
 - [e] Experience certificate specifically stating the kind of work done.

7. **Completed application should be sent to:**

**The Administrative Officer –II [R]
Indira Gandhi Centre for Atomic Research
Kalpakkam - 603 102
Kancheepuram District, Tamil Nadu**

So as to reach him on or before **18.07.2008**. Applications received beyond this date will be rejected. Application forms can be downloaded from our website at: www.igcar.gov.in

GENERAL CONDITIONS

1. Persons who are applying for more than one post should submit separate applications for each category.
2. Persons working under Central/State Government/Public Sector Undertakings should submit their applications through proper channel. They may, however, send one advance copy of the application along with enclosures as detailed above which should reach before the prescribed last date.
3. Applications which are not in conformity with the requirements indicated in the advertisement, e.g. applications which are not in the prescribed form, not accompanied by the attested copies of certificates, passport size photograph and self addressed unstamped envelope of the prescribed size will be rejected.
4. All other things being equal, preference will be given to candidates belonging to land loser category.

5. Candidates possessing qualification higher than prescribed which makes them eligible for appointment to higher grade will not be considered on the grounds of over qualification. Those candidates in the final year / final semester M.E./M.Tech. may also apply for the post of **Scientific Officer/Engineer Grade "C"**. Those candidates who have passed Ph.D. **will not be** considered for the post of **Scientific Officer/Engineer Grade "C"**. **Those candidates who are pursuing Ph.D. are eligible and can apply for the post of Scientific Officer/Engineer C.** Those Candidates who have passed M.Sc. / Degree in Engineering / AMIE or appearing for M.Sc. / Degree in Engineering / AMIE **will not be** considered for the post of **Scientific Assistant "B"** and those candidates who have passed B.Sc./Diploma in Engineering **will not be** considered for the post of **Tradesman "B"**. **Hence, such candidates need not apply.**
6. **No correspondence will be entertained with candidates not selected for Written Test/Interview/Appointment.**
7. **CANVASSING IN ANY FORM WILL BE A DISQUALIFICATION.**

SELECTION PROCEDURE

Selection is through personal interview. Depending on the number of applications screened in, written examination also could be conducted in which case only those who qualify in written examination will be called for personal interview.

A photo admit card will be sent by post to each eligible applicant indicating his / her roll number, time, date and Centre for Written Test.

The interview call letter will be sent to only those candidates who qualify for appearing in interview based on Written Test performance. The interviews will be conducted at IGCAR, Kalpakkam.

TRAVELLING ALLOWANCE [TA]

For General Candidates:

TA will be paid to the candidates appearing for Interview only & not for written test. However if there is no written test, TA will be paid for personal interview. Those who are not working under any Central / State Government / Public Sector Undertaking / Corporation / Local Government / Panchayats, etc., are only eligible for reimbursement of second class rail fare or bus fare to the place of Interview and back by the shortest route from Railway Station / Bus Stand from the place of residence as admissible under the rules.

For SC/ST Candidates:

The candidates belonging to **SC/ST** called for **Written Test** for the post of Scientific Officer "C", Scientific Assistant "B" and Tradesman "B" from outstation and those who are not employed in Central/State Government/Public Sector Organization/Corporation /Local Govt./ Panchayats etc are eligible for reimbursement of **II class Rail fare** or **Bus fare** to the place of written test and back by the shortest route from Railway Station / Bus Stand from the place of residence as admissible under the rules. However, if there is no written test and only interview is conducted, TA will be paid to SC/ST candidates appearing for Interview. If Interview is held at Kalpakkam, TA will be paid for the travel from Chennai to Kalpakkam.

However, the reimbursement in all the above cases will be restricted to the fare in respect of balance distance exceeding 30 Kms, both ways subject to production of ticket / tickets. If Concessional Rail / Bus tickets are available, the Reimbursement will be limited to the Concessional return fare only.

GENERAL CONDITIONS FOR THE INFORMATION OF APPLICANTS

1. IGCAR reserves the rights to fill up all the posts or alter the number of posts or even to cancel the whole process for recruitment and also changing of the Examination Centres without assigning any reasons.

2. Selected candidates will be posted at IGCAR, Kalpakkam or in any Constituent Unit of Department of Atomic Energy and are liable to serve in any part of India and transfer from one Unit of DAE to another.
