

General Information

REIMBURSEMENT OF TRAVELLING EXPENSES

Candidates who **join the Institute** are eligible for reimbursement of **Second-Class Railway / Bus fare** by the shortest route from the place of Railway Station nearer to the residence to the Institute as follows:

- (a) for attending the interview (both ways)
- (b) for joining the Institute (one way).

A duly filled-in TA form with journey tickets should be submitted to the Admissions Unit **within 15 days** of joining the Institute, beyond which no claim will be accepted.

Note: Train tickets/government bus ticket must be attached to the TA form for the claim, if you have travelled by train in sleeper class or by government bus else you must do the following for the claim:

Visit the website www.erail.in and key in your departure and arrival destinations, select General Quota and Sleeper Class and then click on Get Trains - you will get list of trains. Then click on the Express train, then you will get the complete details of the train including fare for the journey. Take a print out of the same and attach it to the TA form when you arrive at the Institute. TA claim will not be considered without the print out. You must enter only the Train Sleeper Class fare in the columns provided in the TA form for the claim, even if you travelled by any other means (like by flight or by A/C class train/bus etc.,).

CONCESSIONS FOR SC/ST CANDIDATES

Minimum qualification	:	Relaxed to a PASS CLASS
Reservation of Seats (course programmes- M Tech / M Des/ M Mgt)	:	As per Government of India Rules.
Interview and Selection	:	Based on relaxed criteria.
Traveling Allowance (TA)	:	II Class rail or bus fare by the shortest route for; (a) attending the interview & (b) joining the Institute.

Pre-interview familiarization program

All the SC/ST candidates who become eligible for interview for Research, Integrated Ph D program, and M Tech/M Des programs will be invited to the Institute one week in advance. During this period they are encouraged to have discussions with the faculty and students on the research activities of the departments, course details etc., which will enable them to get acquainted with the interview process. Accommodation and boarding will be provided in the Hostels on the campus during the period free of cost.

PERSONS WITH DISABILITY (PwD): 3% seats are reserved for persons with disability candidates, as specified by the Government of India. Candidates who have at least 40% permanent physical impairment in relation to a body part/ system/ extremity/ extremities/ whole body, etc., would be given the benefit.

The candidates in this category are required to be certified by a Medical Board at IISc. The Medical Board will decide the following:

- Whether the candidate qualifies for the benefits under this category, and
- If the disability is likely to interfere with his/her studies.

The Medical Board duly constituted for this purpose shall meet at the time of interview/admission for the research program and at the time of admission for the course program. Candidates, who are not certified by the Medical Board as Physically Handicapped, will not be considered for admission under this category.

The decision of the Medical Board shall be final.

FACILITIES on the Campus

Hostels

Separate hostel accommodation for male and female students is available on the campus. There are about 2500 single/double rooms in the Men's Blocks and about 500 rooms in the Women's Blocks. With the ever-increasing pressure for campus accommodation, it is not feasible to provide single-occupancy rooms for all the students in the Men's Blocks. Sponsored candidates are not provided with campus accommodation.

There are four dining halls (two vegetarian and two composite) run on the advice of the Students' Mess Committee. The monthly mess charges (computed based on actuals each month) are at present approximately INR.3000 for vegetarian and INR.4000 for non-vegetarian boarders.

The students are required to abide by the Hostel/Mess Rules in force.

Recreation

The Gymkhana of the Institute is the centre of all cultural and extra-curricular activities of the students on the campus. It has some of the best sports facilities in Bangalore with a Cricket ground, Tennis courts, Swimming pool, Cinder track, Indoor Badminton court, Billiards, Ping Pong tables, etc. The well-equipped gymnasium with the latest multi-trainer and wall-bar equipment is another attraction. It also has indoor and outdoor auditoria.

The Ranade library, attached to the Gymkhana, has a collection of 10,000 books and subscribes to over 50 magazines. The well-kept outdoor swimming pool, the T.V., music and reading rooms, as also the snack parlor situated in the premises, are all very popular. Film, Music, Yoga, Nature, Debating and Photography Clubs are being nurtured by the Gymkhana.

Health Centre

The Institute provides medical facilities to students and staff at the Health Centre. An out-patient clinic and in-patient wards are administered by full-time professional doctors and nursing staff. In addition, specialist consultancy services are provided in Medicine, Ophthalmology, Dental Health, Psychiatry and Gynecology. Cases requiring other specialist services are referred to the appropriate Medical Centres in the city. The Health Centre has a diagnostic laboratory, an X-ray facility and non-invasive diagnosis by ultrasonography.

Computational Facilities

The Super Computer Education and Research Centre supports state-of-the art computing facilities catering to the ever-increasing demands of high performance computing for scientific and engineering research. The supercomputing facility at SERC is a symbiosis of computing, storage, graphics, visualization and network. The Centre is conceived of as a functionally distributed

supercomputing environment housing leading-edge computing systems, with sophisticated software packages, and connected by a powerful high-speed network. The current facilities comprise:

High Performance Systems:

- A 8192-processor IBM BlueGene/L system with a total memory of 4TB.
- A 256-processor IBM Power-5 based cluster with Gigabit Interconnect.
- Three IBM p690 Regatta machines each with 32 Power-4 processors.
- Two IBM p575 machines each with 16 Powe5+ processors.
- One SGI Altix 3700 machine with 32 Intel Itanium2 processors.
- Two 16-CPU Itanium2 based SGI Altix 350 machines.
- IBM RS/6000 SP3 with 16 processor Power3 nodes.

High-End Graphics Workstations:

- Two SGI Tezros each with 2-processors.
- A number of SGI Fuels, Octanes, and O2 graphics workstations.

File Server Cluster

- A GPFS of 30 TB storage with Ultrium LTO-based scalable tape library for centralized backup and restore.
- Dual Intel Xeon based 5 Tera bytes server, with Ultrium LTO-based scalable tape library for centralized backup and restore.
- IBM RS/6000 43P 260 with SSA Storage.

In addition to the above, SERC has a number of IBM, HP, DEC, and SUN workstations and Intel/AMD processor based Desktops running various flavours of UNIX/Linux.

Software

All the Unix systems in SERC offer a uniform program development environment with Fortran, C, and C++ compilers along with profilers, and debuggers. In addition, the high performance cluster also offers Auto-Parallelization tools and Message passing libraries such as MPI and OpenMP. The graphics systems offer development tools such as Open Inventor and Performer. In addition, a plethora of special purpose software and libraries are also available, such as :

- Matlab, Mathematica, and Maple for Numerical and Symbolic Computation.
- Mathematical libraries such as ESSL, SCSL, DXML, COMPLIB and MLIB.
- Structural Engineering Analysis and Design – NISA and ALGOR.
- Fluent, Aspen, Labview, and Tecplot.

JRD Tata Memorial Library

The main library of the Institute has nearly 5 lakh volumes of books, periodicals, technical reports and standards. It receives over 1500 current periodicals and acquires latest technical reports, standards and patents that are maintained in separate sections. Over 6000 electronic journals are now available online in addition to a large number of e-books. The National Centre for Science Information provides extensive computerized services. In addition, most of the departments maintain separate libraries for use by their faculty and students.

Placement Services

Several leading industrial organizations visit the Institute for campus recruitment and offer good career opportunities to graduating students. The Placement Centre also provides advice and assistance to students about other placement opportunities, including those notified through advertisements, references and special requests from various industrial and research organizations.