

**MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF SCIENCE AND TECHNOLOGY**

**Call for applications for beamtime allocation on
Italian Synchrotron Radiation source, Elettra**

The Department of Science & Technology (DST), Government of India together with the Ministry of Foreign Affairs, Government of Italy is promoting the use of beamlines at Italian Synchrotron source, Elettra, at Trieste by the Indian scientific community. DST invites proposals for experiments on these beamlines.

2. Elettra is a third generation 2 GeV Synchrotron Radiation Source of high brilliance and offers intense VUV, soft and hard X-ray beams using bending magnets, undulators and wigglers. Proposals can be made for experiments on the following ten beamlines:

- i. ESCA (Beamline 2.2 R)
- ii. ESCA Microscopy (Beamline 2.2 L)
- iii. VUV Photoemission Spectroscopy (Beamline 3.2 R)
- iv. Spectromicroscopy (Beamline 3.2 L)
- v. Circular Polarization Spectroscopy (Beamline 4.2 R)
- vi. Hard X-ray Diffraction (Beamline 5.2 R)
- vii. Small Angle X-ray scattering (Beamline 6.2 L)
- viii. Gas Phase Photoemission Spectroscopy (Beamline 6.1 R)
- ix. Diagnostic Radiology for Medical Physics (Beamline 6.1 R)
- x. Surface Diffraction Studies (Beamline 7.2 R)

3. Further details of beamlines are available at the internet web address <http://www.elettra.trieste.it>. They can also be got by writing to Smt Sadhana Relia, Principal Scientific Officer, International Division, Department of Science and Technology (DST), Technology Bhawan, New Mehrauli Road, New Delhi 110 016 (Fax No. 011-6862418).

4. Typical experiment at Elettra would take about a week and request for two scientists per experiment may be considered for experiments longer than 3 days (9 shifts). Scientists are encouraged to contact the Elettra beamline coordinator prior to making proposal. The list of scientist-in-charge of Elettra beamlines could be obtained from DST. Collaborative experiments with Italian and other local groups at Elettra can also be proposed.

5. The scientists are requested to send their proposal to DST by 30 April 1998.

6. The applications invited under this advertisement will be subject to an initial scrutiny within India by DST through an 'Expert Committee' followed by another round of evaluation by 'Elettra Scientific Review Committee'.

7. Once the proposal qualifies the two-step evaluation, DST will fund the international air travel expenses and the Italian Ministry of Foreign Affairs will provide the daily allowance for the Indian scientist to cover board, lodging and local transport in Italy @Lit 150,000/day.