1. Participation of NPL Personnel In Various Events:

Financial support towards registration and travel cost is provided to scientists / technical staff for attending and presentation of papers at national / international seminars/symposia/conference/workshop organized elsewhere in India in areas relevant to research activities being carried out at the institute. This is primarily to enable them to put forward views on their research results and interact with the leading national/international experts on the current development in their research areas.


2. Training Programmes Organised:

The objective of this training programme is to impart training through class room lectures, demonstration and hands on training in the lab to participants from industrial houses as per training calendar at a nominal course fee. The internal candidates desirous of attending such Training Programmes are nominated by their divisional heads.

An in house Training Course on “Evaluation & Expression of Uncertainty in Measurements” for NPL staff with Standards & Calibration Activity was held on 5 –6 Sept., 2003.

3. Programme Attended:

(i) One person attended “IV SERC school on Numerical Weather Prediction in Tropics: Process Modelling” held from 14th April to 10th May, 2003 at IIT Delhi.

(ii) One person attended the 4th CSIR Orientation Programme held at CSIO, Chandigarh 17 – 21 November, 2003

(iii) Three persons were deputed to attend the CSIR 2nd Orientation Programme held at Lucknow from 27 – 29 Nov., 2003.

(iv) Four persons attended “ISO 9000: Awareness and Implementation Programme for CSIR” conducted by HRDC & CDC (MIN. of Science & Technology) from 29 – 30 Jan, 2004 at New Delhi.

(v) Ten persons including eight scientists attended workshop on Crafting and Winning Teams at NPL organized by HRDC, Ghaziabad, during 9th & 10th February, 2004. Mr. Ian Dean CEO, Groman Consulting International Ltd., South Africa led the workshop.

(vi) One person attended the Basic Training in Recombinant Technology DNA Technology& PCR held at Banglore from 17 – 20 February, 2004.
4. **Students Training:**

NPL provides training, short term (six weeks plus) and long term (three months plus), to students of various disciplines from Colleges/Universities/Engineering colleges from all over India mainly during Summer and Winter Semesters. They get acquainted with emerging research area/techniques.

131 students from various educational institutions carried out their dissertation work at NPL and undertook training towards the fulfillment of their academic work.

5. **Research Fellow**

Research fellowship (JRF/ SRF) as per the CSIR-UGC and any other departmental norms are provided for a period of five years (max.). Several new research fellows were inducted. NPL R & D facilities thus were made available to Young Researchers to help them carry out research in emerging areas leading to Ph.D. awards and fulfilling the need of developing highly skilled human resource required for the industry as well as academic institutes.

6. **Functions Organised**

(i) **CSIR Programme on Youth Leadership in Science (CPYLS)**

The CSIR programme on Youth Leadership in Science (CPYLS) for the year 2003 was organized on 3 – 4 February, 2004 for the students who excelled in their CBSE Secondary Examination in 2003. Dr. Vikram Kumar, Director gave a brief overview of Research activities at NPL. Dr. G.K. Mehta, Vice Chancellor, Allahabad University gave a keynote lecture on “Excitements of 21st Century Science”. The programme consisted of several lectures by senior scientists and visit to different R&D activities in NPL. More then 20 students participated in the programme and took part in the interactive discussions. They were awarded certificates.

(ii) **The XXIX Krishnan Memorial Lecture**

The Prestigious XXIX Krishnan Memorial Lecture was held at NPL on 24th February, 2004. It was delivered by Dr. Kota Harinarayana, Vice Chancellor, University of Hyderabad (Formerly, Project Director, Light Combat Aircraft, LCA). The Title was “Towards Development of Complex Systems – Issues & Challenges”. The programme was well attended.

7. **Visits to NPL**

232 visitors consisting of post graduate/engineering student, technical teachers from about ten Institutes including I.I.T. Delhi visited different activity labs at NPL.