

NPL FORMER SCIENTISTS FORUM

Minutes of the Thirty-Third Meeting of the Management Committee

held on Tuesday, the 16th October, 2012 at 10.30 A.M.

in the TEC Conference Room, NPL

The following Agenda for the meeting had been notified by Shri G K Arora, the Secretary of the Forum to the members and invitees, vide his letter dated 08.10.2012 sent to Shri P K Mittal, Mrs. Urmil Dhawan, Shri R C Dhawan and Shri K N Bhatnagar by post and to the others by e-mail. Additionally, copies of this notice were sent to Shri S C Garg, Dr. V S Panwar, Dr. P C Jain, Dr. R P Singhal, Dr. V N Bindal and Dr. A P Jain by post also, as well as placed on the table for ready reference for all the members at the time of the meeting.

Agenda

1. Welcome and Introductory Remarks by the President.
2. Condolence Resolution on the demise of Dr. (Mrs.) Sultana Zulfiqar Ali
3. Confirmation of the Minutes of the Management Committee Meeting held on 12th July 2012.
4. Follow-up Action on the decisions taken at the Meeting of the Management Committee held on 12th July 2012.
5. Status Report by the Secretary.
6. Status Report by the Treasurer and Resolutions relating to Closing Down of Certain Accounts
7. Proposal for inviting Prof. Vikram Kumar to be a Patron of the Forum
8. Induction of New Members to the Forum.
9. Agenda for the General Body Meeting to be held on 2nd November 2012
10. Programme for the Family Get-together on 18th November 2012
11. Visit to the site where trees were planted on 25.09.2012 under the Joint Tree Plantation Programme between NPL and the Forum
12. Any other item with the permission of the Chair.

Minutes of the Meeting

Attendance: The following attended the meeting

1. Shri S C Garg	President
2. Dr. A P Jain	Vice President
3. Dr V S Panwar	Joint Secretary
4. Shri Tripurari Lal	Treasurer
5. Shri K N Bhatnagar	Member
6. Shri RC Dhawan	Member
7. Mrs. Urmil Dhawan	Member
8. Shri A C Gupta	Member
9. Dr. S K Halder	Member.
10. Dr. P C Jain	Member
11. Shri P K Mittal	Member
12. Dr. Joginder Singh	Member
13. Mrs. Shashikala Shastri	Member
14. Shri S S Verma	Member
15. Shri G K Arora	Secretary

From among the members, Shri V P Wasan, Dr. Anil Kumar Gupta and Dr. R P Singhal had regretted their inability to attend, and Dr. Kailash Chandra also could not participate as he was abroad. Dr. V N Bindal, Dr. Amitabha Basu, Dr. S L Jain and Dr. R Bhattacharyya (All Invitees) had also regretted their inability to attend. Dr. V R Singh (Member) and Dr. V Mohanan (Invitee) were absent.

1. Introductory Remarks by the Chairman: Shri S C Garg welcomed the members to the meeting and said that apart from the other issues, the Agenda for the next meeting of the Forum to be held on 2nd November 2012 (Friday) and the Programme for the Family Get-together (Dewali Get-together) on 18th November 2012 (Sunday) were on the Agenda for the Meeting. The Members noted that as Dewali falls on 13th November, and Govedhan Pooja and Bhai Dooj would also have been celebrated on 14th and 15th November respectively, 18th November will be suitable for most of the Members of the Forum for this Get-together.

2. Condolence Resolution: Shri G K Arora read out the Condolence Resolutions in respect of Dr. (Mrs.) S Z Ali's demise on 2nd August 2012. The members observed two minutes silence to pay their homage to the departed soul and passed the resolution. The Secretary was advised to send the resolution to her son Dr. Vinod A Iyengar.

3. Confirmation of the Minutes of the Management Committee Meeting held on 12th July 2012: The minutes of that meeting which had already been circulated by the Secretary to the Members and Invitees inviting comments by 22nd August, 2012, were placed before the member at the time of the meeting.

The typographic error in typing Mrs. "Sadhana" instead of Mrs. "Sunanda" Mitra in third line of Second Para of Section 1 was pointed out by Dr. V N Bindal and Shri V P Wasan. No comments were received from any of the other members. With the incorporation of this correction, the Minutes of the meeting were confirmed.

4. Follow-up Action on the decisions taken at the Management Committee Meeting held 12th April 2012: The Committee noted the follow-up action taken as reported by the Secretary in his Status Report.

5. Status Report by the Secretary: Status Report (Annexure 'A') was noted with the following specific decisions/ suggestions:

5.1 Scholarships & Awards: The Members noted that the Scholarships & Awards were presented by Prof. R C Budhani, Director, NPL, on the CSIR Foundation Day Celebrations held by the NPL on 25th September 2012 as detailed in Appendix – I to the Status Report.

It was observed that among the Grand Children of the Members of the Forum, Shri Yash Karan Manrai Grand son of Mrs Santosh Manrai had been awarded the Astronaut Kalpana Chawla Chhatravritti, and Ms Vaishali Chaudhary, Grand Daughter of Shri J N Chaudhary had received the Saroj Wasan Memorial Award.

It was also noted that there were no takers for a number of other Scholarships & Awards 2012 for which applications had been invited. This included also the Poonam Chadha Memorial Award for which an account had finally been opened with the Syndicate Bank, NPL after completing all formalities. Among other reasons for this, which may be examined by the Scholarship Committee, it was felt that due circulation of the notice for the Scholarships & Awards does not appear to have been given both among the staff members of NPL as also among the Members of the Forum.

5.2 Tree Plantation: The Committee noted that 20 saplings of Pilkhan (*Ficus Infectoria*) were planted in the Forenoon of 25th September 2012 under the joint programme between NPL and the Forum in honour/ memory of the persons as detailed in Appendix – 2 of the Status Report by the Secretary. In this function, besides appropriate Members of the Forum and Staff Members of NPL, the Persons to be honoured, or the members of their families also participated, and refreshments were also served courtesy Shri Mukesh Kumar, Son of Shri Dev Kumar.

The programme started with the plantation of a sapling of the tree in the memory of Dr. Gyan Mohan by Prof. R CBudhani, Director, NPL. Dr. Amarjit Singh, V N Bindal, Dr. V V Shah and Dr. P C Jain were personally associated with this function. Other members from the families of persons in whose memories the trees were planted and who participated in the function were: Dr. (Mrs.) Saguna Dewan (Niece of Dr. Amarjit Singh); Dr. Neeraj Bindal (Son of Dr. V N Bindal); Dr. (Mrs.) Ramadevi Ramachandran (Daughter of Shri C V Ganapati); Dr. Kamna Saksena (Grand-daughter of Dr. B D Saksena); Mrs. Leela Abraham (Daughter, and her son Shri Robin Abraham of Dr. P T John) & Shri Ajay Chacko Son of Mrs. Lucy Chacko (Daughter of Dr. P T John); Dr. Ravi Gupta (Son of Dr. P K Gupta); and Mrs. Madhulata (Wife); Shri Mukesh Kumar, Shri Bhupindra Kumar & Shri Lalit Kumar (Sons) and other Members of the Family of Shri Dev Kumar.

Shri G K Arora suggested association of Dr. Amarjit Singh with the Forum as an Honorary Fellow, as such associations were also being done by other Bodies, e.g. by the the Ultrasonics Society of India. This issue was deferred for consideration at a later stage.

Dr. S K Halder, felt that trees should not be planted in honour of persons who are alive as this can create heart burning among others. It was decided that this issue may be considered by the Committee.

5.3 Training Programme jointly with NPL: The Committee appreciated the effort made by Dr. Amitabha Basu in re-modeling the proposal as per Appendix – 3 of the Status Report by the Secretary. However, it was felt that as the R & D Methods had drastically changed over the years, there was no point in pursuing with the proposal especially when it was doubtful whether members of the Forum will offer their services for this programme.

5.4 Revision of the Rules & Regulations of the Forum as per Rule 18.3: As no meeting of the Committee constituted for the purpose under the Chairmanship of Dr. A P Jain could be held, it was decided that if anything concrete is decided, the same may be placed before the members at the next Forum Meeting to be held on 2nd November 2012.

6. Status Report by the Treasurer: Deferred.

7. Inviting Prof. Vikram Kumar as a Patron of the Forum: The Committee approved the suggestion made by Dr. V N Bindal and placed by the Secretary before the Members for inviting Prof. Vikram Kumar as a Patron of the Forum. Shri S C Garg rang up Prof. Vikram Kumar to seek his consent and also his availability for being formally introduced to the Members at the its next meeting scheduled to be held on 2nd November 2012, and was happy to report that Prof. Vikram Kumar had accepted this invitation and shall be scheduling his other engagements accordingly. Shri Garg will be formally inviting him to be a Patron of the Forum.

8. Induction of New Members to the Forum: The Committee approved the induction of the 6 new members of the Forum as detailed by the Secretary in his Status Report. It was noted that Shri H R Mehta and Shri G Govindaswami, who had retired from NPL much before the formation of the Forum in 2003, have now become members of the Forum. It was also decided that the members may make a drive to enlist more prospective members as members of the Forum before 17th January 2013 when the Forum will be completing ten years.

9. Agenda for the Next General Body Meeting on 2nd November 2012: In addition to the welcoming of Prof. Vikram Kumar as a Patron of the Forum, it was decided that he may felicitate Dr. R P Wadhwa and Shri T R K Menon as New Member of the 80-Plus fraternity by presenting to them their citations, the 80-Plus Certificates and the Forum's Mementoes followed, by an Address by him .

Dr. Joginder Singh, who shall be completing 71 years on 2nd November 2012 offered to host the meeting.

10. Programme for the Family Get-together on Sunday the 18th November 2012: It was decided to notify this Get-together at 11.00 A.M. in the notice that is to be issued by the Secretary for the Forum's Meeting on 2nd November 2012, so that contributions of Rs. 150/- per head could be collected from the members that day. Besides an entertainment programme in the TEC Conference, Lunch will be served to all the participants in the NPL Guest House. TEC Conference Room had already been booked by the Secretary for this programme. Shri P K Mittal will work out the details. It was also decided to pay an honorarium of Rs. 500/- to the person who is deputed for ensuring the necessary arrangements in the TEC Conference Room.

11. Visit to the site where trees were planted on 25th September 2012: The Members noted the observations/ suggestions made by Dr. V N Bindal in his e-mail to the Secretary as reported by him in his status report, and requested that these may be brought to the notice of Director, NPL.

During the visit to the site it was observed that barring one sapling planted by Dr. P C Jain, the tags were intact for all the other 19 saplings and all the saplings were in good shape and were being watered.

STATUS REPORT BY THE SECRETARY

(Ref: Agenda Item 5)

1. Thirty-Second Meeting of the Management Committee (Ref: Agenda Item 3): The Minutes of the Thirty-second Meeting of the Management Committee held on 12th July 2012, (as approved by the Chairman), had been circulated by the Secretary vide his letter dated 9/13 August 2012 by post (as also by e-mail to those who could be so contacted), inviting comments by 22nd August, 2012. Copies of this letter and the Minutes of that Meeting will be tabled at the time of the meeting.

A typographic error in typing Mrs. "Sadhana" instead of Mrs. "Sunanda" Mitra in third line of Second Para of Section 1 was pointed out by Dr. V N Bindal and Shri V P Wasan. No comments were received from any of the other members. With the incorporation of this correction in the Minutes of the meeting, they may be confirmed.

2. Follow-up Action on the Decisions taken at the above Meeting (Ref: Agenda Item 4): This is given below:

2.1 Condolence Resolution on the demise of (i) Mrs. Santosh Wadhwa W/o Dr. R P Wadhwa on 23rd April 2012; (ii) Mrs Pushpa Mathur W/o Shri Harish Chand Mathur on 30th April 2012; and (iii) Shri Varinder Marwah H/o Mrs. Raksha Marwah on 2nd June 2012: Condolence resolutions passed at the meeting were sent to Dr. R P Wadhwa, Shri Harish Chand Mathur and Mrs. Raksha Marwah respectively. Two minutes silence was also observed on the demise of Mrs. Santosh Wadhwa, Mrs. Pushpa Mathur and Shri Varinder Marwah at the General Body Meeting of the Forum held on 8th August 2012.

2.2 Forum's Newsletter No. 9 dated August 2012: The Newsletter No 9 – Special issue on "Nanotechnology for the Masses" was released by Dr. V N Bindal at the General Body Meeting of the Forum held on 8th August 2012.

2.3 NPL-FSF A/c R K Khanna with Syndicate Bank: The Account was opened and the Poonam Chadha Memorial Award was also announced for the Scholarships & Awards – 2012.

2.4: Scholarships & Awards – 2012: The Scholarships & Awards –2012 were presented by Prof. R C Budhani at the CSIR Foundation Day Celebrations held by the NPL on 25th September 2012. The list of the awardees is given at [Appendix 1](#).

2.5: Tree Plantation Sub-Committee of the Scholarships Committee: The Committee had two meetings on 18th July and 31st August 2012. As per the decisions taken at these meetings, and the subsequent meeting of the Scholarship Committee held on 14th September 2012, saplings of Pilkhan (*Ficus Infectoria*) were planted on 25th September 2012 in the area behind the NPL Guest House in honour/ memory of 20 persons who had made significant contributions to the growth of NPL. As per the decision taken, the saplings of the trees were to be planted either by the persons themselves or by a member of his family and also by an appropriate member of the Forum and/ or a staff member on the rolls of NPL. The job of approaching the various persons to be invited to this function was left to Shri G K Arora, the Chairman of the Sub-Committee. All the members of the Forum who could be contacted by e-mail were also invited to this function.

The programme started with the plantation of a sapling of the tree in the memory of Dr. Gyan Mohan by Prof. R CBudhani, Director, NPL. Dr. Amarjit Singh, V N Bindal, Dr. V V Shah and Dr. P C Jain were personally associated with this function. Other members from the families of persons in whose memories the trees were planted and who participated in the function were: Dr. (Mrs.) Saguna Dewan (Niece of [Dr. Amarjit Singh](#)); Dr. Neeraj Bindal (Son of [Dr. V N Bindal](#)); Dr. (Mrs.) Ramadevi Ramachandran (Daughter of [Shri C V Ganapati](#)); Dr. Kamna Saksena (Grand-daughter of [Dr. B D Saksena](#)); Mrs. Leela Abraham (Daughter, and her son Shri Robin Abraham) & Shri Ajay Chacko Son of Mrs. Lucy Chacko (Daughter of [Dr. P T John](#)); Dr. Ravi Gupta (Son of [Dr. P K Gupta](#)); and Mrs. Madhulata (Wife); Shri Mukesh Kumar, Shri Bhupindra Kumar & Shri Lalit Kumar (Sons) and other Members of the Family of [Shri Dev Kumar](#). Shri Mukesh Kumar met the expenses incurred on refreshments served to the participants at this function. A complete list of the persons honoured/ remembered as also the persons associated with the tree plantation is given at [Appendix 2](#).

2.6 Revision of the Rules & Regulations of the Forum as per Rule 18.3: No meeting of the Committee could be held so far on account of continued ill-health of Dr. A P Jain, Chairman of the following committee that had been set up for this task:

Dr. A P Jain	Chairman
Dr. P C Jain	Member
Dr. V N Bindal	Member
Shri G K Arora	Member
Shri V P Wasan	Member
Dr. V S Panwar	Convener

At one stage Dr. S V Gupta had been contacted by the Secretary for association with this task as these Rules & Regulations had been drawn up by the Committee headed by him. He had offered his assistance but had expressed his inability to come specifically for the meetings of this Committee. If anything concrete is decided, the same shall be placed before the next General Body Meeting on 2nd November, 2012.

2.7 Training Programme jointly with NPL: The training programme drawn up by Dr. V V Shah has been recast by Dr. Amitabha Basu ([Appendix 3](#)). The Management Committee may decide about the further course of action.

3. Inviting Prof. Vikram Kumar to be a Patron of the Forum (Ref: Agenda Item 7): Rule 4.3 of the Rules & Regulations of the Forum reads as under:

4.3 *The Forum may have Patrons to further its cause. A Patron may be invited by the President in consultation with the M.C., on the basis of the following criteria:*

Any Person who has retired from NPL with meritorious service to Science and who has been taking keen interest in the activities of the Forum.

OR

Any Person who has made extraordinary contribution to the growth of NPL-FSF.

There shall not be more than five Patrons at any time.

Presently there are four Patrons of the Forum viz. Prof. S K Joshi, Prof. E S R Gopal, Dr. Krishan Lal and Dr. V N Bindal.

Dr. V N Bindal, in an e-mail to the Secretary has suggested the following:

“It is proposed that Prof Vikram Kumar may be invited to be a Patron of NPL-FSF.”

“The contribution of Prof. Vikram Kumar towards the growth of NPL-FSF can hardly be over-emphasized. I feel that his closer association and guidance as Patron, will be very rewarding to NPL-FSF to further its cause.”

The proposal is placed before the Committee for consideration. If approved, it is suggested that he may be formally invited to be a Patron of the Forum at the next General Body Meeting of the Forum to be held on 2nd November 2012 and give the Forum the benefit of his advice.

4. Induction of New Members of the Forum (Ref: Agenda Item 8): Filled up Membership Forms have been received from the following persons, whose induction as New Members of the Forum is proposed:

Sr. No.	Name & Date of Birth	Amount Received	Last Post Held	Remarks
1.	Shri Kavindra Pant [07. 06. 1952]	Rs. 700/- (Cheque)	Sr. Principal Scientist	Retired from NPL on 30.06.2012
2.	Shri Hem Raj Mehta [21. 10. 1938]	Rs. 700/- (Cash)	Sr. Fin & A/cs Officer (SG)	Retired from NPL on 31. 10. 1996
3.	Shri Harish Kumar Maini [31. 05. 52]	Rs. 700/- (Cash)	Sr. Principal Scientist	Retired from NPL on 31. 05. 2012
4.	Shri G Govindaswamy [27. 10. 34]	Rs. 700/- (Cheque)	Scientist 'E-I'	Retired from NPL on 31. 10. 1994
5.	Shri Vijay Kumar Ojha [13. 08. 52]	Rs. 700/- (Cheque)	Sr. Tech Offcr (3)	Retired from NPL on 31. 08. 2012
6.	Dr. Pardeep Mohan [18. 08. 50]	Rs. 700/- (Cheque)	Chief Scientist	Retired from NPL on 31. 08. 2012

It may please be noted that Shri H R Mehta and Shri G Govindaswami, who had retired from NPL much before the formation of the Forum in 2003, have now become members of the Forum. Perhaps a drive could be made by the members to enlist more prospective members as members of the Forum before 17th January 2013 when the Forum will be completing ten years.

5. Agenda for the next General Body Meeting on 2nd November 2012 (Ref: Agenda Item 9): Since the last General Body Meeting held on 8th August 2012, Dr R P Wadhwa (*Date of Birth: 03. 09. 1932*) and Shri T R K Menon (*Date of Birth: 29. 09. 1932*) have completed 80 years of age. They could be inducted as new members of the 80-Plus Fraternity of the Forum at this meeting.

If it is decided to invite Prof. Vikram Kumar as a Patron of the Forum, he may also felicitate Dr. Wadhwa and Shri Menon as the new members of the 80-Plus Fraternity and present to them their citations, the 80-Plus Certificates and the Forum's Memento, followed by his address.

Revision of the Rules & Regulations of the Forum as per Rule 18.3 could perhaps be another item of Agenda for the meeting in case the Committee set up for this purpose under the Chairmanship of Dr. A P Jain has any concrete suggestions to make.

The recent experience of sending letters to the Members of the Forum by Courier through M/S Blue Line, Agents of Trackon Couriers Pvt. Limited (Rs. 10/- for letters in Delhi and NCR; and Rs. 30/- for others) has not been found to be very satisfactory. The Postal Authorities have also raised the minimum rate for Speed Post from Rs. 12/- to Rs. 17/. It is, therefore, proposed to send notices for this meeting of this meeting to the members by e-mail only if their e-mail address is there on record with the Secretary, and to others by ordinary post.

6. Programme for the Family Get-together on 18th November 2012 (Ref: Agenda Item 10): The organization of this Get-together falls in the purview of the Welfare Committee, as the Programme Committee which used to look after this activity has been merged with that Committee. For the last such Get-together a contribution of Rs. 150/- per head was collected.

Dr. V Mohanan, the Chairman of this Committee had informed the Secretary in one of his e-mails that, as his assignment at NPL had completed, he will be in Kerala for most of the time and may be participating in the Forum's activities if they coincide with his trips to Delhi. There has been no indication from Dr. Mohanan as to whether he shall be attending this meeting of the Management Committee. Further confirmation from Dr. V R Singh, Co-chairman of the Committee regarding participation in this meeting is also awaited. It is, therefore, suggested that Shri P K Mittal, the Convener of the Welfare Committee may draw up the Programme as also its execution.

It is also suggested that the organization of this Get-together and contributions to be made by the participants may be notified by the Secretary along with the Agenda for the General Body Meeting of the Forum to be held on 2nd November 2012.

7. Visit to the Site where trees were planted on 25. 09. 2012 (Ref: Agenda Item 11): In respect of this item, the following text of an e-mail received by the Secretary from Dr. V N Bindal may please be seen:

- i) It seems that the trees have been planted considerably near to each other. They are supposed to be long life and big shady trees. The distance in between should have been more.
- ii) These have been planted in the vicinity of a large number of *Eucalyptus trees*, which is not supposed to be good for their growth.
- iii) These are not even in a line and not at a proper distance from the road.
- iv) Small tags (with names) have been attached to a thin branch of these weak saplings, which is likely to disappear within a short time.
- v) Several of the large number of friends and relatives who were invited got emotionally attached to these trees. They expressed the desire to visit frequently or sometimes in future again and watch these trees growing. This adds to our responsibility that these trees should grow properly and also easily identified, otherwise it would amount to be playing (unnecessarily) with the emotions of the dear and near ones of the people, who have been honored.
- vi) It would be worthwhile that a list of names etc may be reported in *Samiksha* or CSIR NEWS and is also recorded in some official record.
- vii) More than two years have passed to the 31 saplings planted by us. We do not have any correct/official information about their status. Should we not plan a regular programme to visit the saplings planted?

SCHOLARSHIPS AND AWARDS 2012

Astronaut Kalapana Chawla Chhatravritti (Scholarship)

1. Yash Karan Manrai s/o Dependra Manrai, Gs/o Mrs Santosh Manrai
2. Himanshu Yadav s/o Vikram Singh Yadav

Ashutosh Joshi Memorial Scholarship

3. Anusha Agarwal d/o Ashish Agarwal

L.S Gupta Memorial Award

4. Garima Sethi d/o Lalita Sethi

Savitri Devi Memorial Award

5. Ashima Puri d/o Archana Puri

Saroj Wasan Memorial Award

6. Vaishali Chaudhary d.o Vijay Chaudhary , Gd/o J.N. Chaudhary

NPL-FSF Scholarships for children of NPL staff who expired before retirement

1. Rohit Negi s/o Sadhana Negi & Late Dinesh Singh Negi
2. Sharik s/o Shama Parvin & Late Mohd. Naseem
3. Janita d/o Shama Parvin & Late Mohd. Naseem
4. Ujefa d/o Shama Parvin & Late Mohd. Naseem

Tree Plantation on 25. 09. 2012

Sr. No.	Name of the person in whose honour/ memory the tree is to be planted	INVITEES		
		From the Family, if Any	From NPL	From NPL-FSF/ Prospective Members
1.	Dr. Gyan Mohan	-	Prof. R C Budhani	
2.	Dr. Amarjit Singh	Dr. Amarjit Singh; Dr. (Mrs.) Saguna Dewan (Niece)		Dr. Ram Swarup
3.	Dr. Kanwar Bahadur		Dr. Sukhviri Singh	Shri G L Malhotra
4.	Shri C V Ganapati	Dr. (Mrs.) R Ramachandran (Daughter)	-	
5.	Dr. Bishambar Dayal Saksena	Dr. Kamna Saksena (Grand-daughter)		Dr. M M Pradhan
6.	Shri Dev Kumar	Mrs. Madhu lata (Wife); Shri Mukesh Kumar, Shri Bhupindra Kumar & Shri Lalit Kumar (Sons); Other Members of the Family.	Shri T V Joshua	
7.	Dr. Pulimutil Thomas John	Mrs. Leela Abraham (Daughter); Robin Abraham & Ajay Chacko (Grand-sons)	Dr. R B Mathur	Dr. O P Bahl
8.	Dr. Pramod Kumar Gupta	Shri Ravi Gupta (Son)		Dr. R C Saksena
9.	Dr. (Mrs.) Sultana Julfiqar Ali	-	Dr. (Ms) Rashmi	Dr. K C Nagpal
10.	Dr. Satya Ranjan Das	-	Dr. H C Kandpal	Dr. Mahesh Chander (Gupta)
11.	Shri Shiv Nath		Shri Deepak Bansal	Shri Raj Singh
12.	Dr. Vishwa Nath Bindal	Dr. Vishwa Nath Bindal, Dr. Neeraj Bindal (Son)	Dr. S K Jain	
13.	Dr. Vilachandra Vithaldas Shah	Dr. Vilaschandra Vithaldas Shah		Dr. R Bhattacharyya Dr. V S Panwar
14.	Dr. Prakash Chandra Jain	Dr. Prakash Chandra Jain		
15.	Dr. Arun Kumar Saha	-	Dr. B C Arya	
16.	Shri Tatv Darshi Bansal			Shri V P Wasan
17.	Dr. B C Narasinga Rao			Shri S C Garg & Mrs. Santosh Aggarwal
18.	Shri Satya Pal Suri	-	-	Mrs. Madhu Bahl Shri H K Maini
19.	Shri Franz Kiss	-	-	Shri V P Varma Shri G S Hans
20.	Shri Om Prakash Kulsreshtha	-		Shri S S Verma

Suggestion for a Training Programme jointly by NPL & NPL-FSF

A Training Programme to be conducted by working and retired S & T personnel for the benefit of fresh recruits in NPL such as Research Fellows, Technical Assistants, etc. and all employees (Scientific & Technical persons) interested in such a programme.

Justification

The activities and programmes of our institution (NPL) are mostly confined to experimental work in different branches of Physics, such as Optics, Electronics, Materials Science, Low Temperature Physics, Solar Energy, Vacuum Technology, Testing, Calibration and Maintenance of Standards, etc.

In all experimental investigations, it is necessary to handle various types of sophisticated and custom-made instruments, and also to design and fabricate small gadgets, mechanical components and parts, electronic circuits, electrical and electronic systems, etc. for enhancing and modifying the capabilities of the existing equipment. For example, in the design and fabrication of a custom-made vacuum system, such as a thin film vacuum coating plant or sputtering plant, knowledge of mechanical, electrical and electronics engineering, as well as optics and vacuum technology, is necessary.

In addition to this, for a research worker in the area of materials science, it is necessary to analyze and evaluate data generated by various materials characterization techniques. Intimate knowledge of the equipment and techniques for extraction of the required parameters from the experimental data generated are essential.

Scope

The Training Programme envisages imparting basics of certain experimental infrastructural subjects such as electrical engineering, electronics, mechanical and vacuum technology, and last but not least, Computer Science & Technology. Further, the operation of sophisticated equipment, extraction of meaningful parameters from experimental data, fabrication of devices and structures using the equipment, and so on, may also be covered. This is not an exhaustive list and experts may suggest some more topics.

A detailed syllabus for the training programme may be prepared by an expert committee comprising serving and retired persons from both scientific and engineering disciplines, as per the requirements of NPL activities.

Implementation

In case this proposal is accepted, by the Forum and NPL authorities, details of actual implementation can be worked out by a group of working and retired scientists.

However, it may be noted that implementation of this programme should involve minimum financial burden to the exchequer. In this respect, our suggestion is that no honorarium or fee should be paid to the instructors, except that suitable conveyance allowance may be paid to instructors from the retired scientists group.

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