

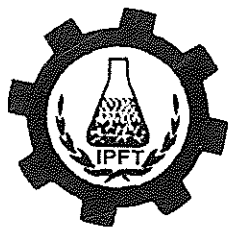
11TH

ANNUAL REPORT

2001-2002



INSTITUTE OF PESTICIDE FORMULATION TECHNOLOGY
Registered under: Societies Registration Act, 1860 (Regn. No. S-21944/1991)
Sector-20, Udyog Vihar, Gurgaon - 122 016 (Haryana)



11th
Annual Report
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INTRODUCTION

The Institute of Pesticide Formulation Technology (IPFT) has completed its 11th year of operation. During these years the Institute has grown substantially and has been able to attract more viable and contractual projects from the pesticide industry, Department Of Science & Technology, Department of Bio-Technology, Central Pollution Control Board and International Agencies. The Institute has also entered into the area of residue analysis and persistence in soil & water project, utilizing the newly created state-of-art analytical facilities. The first phase of the construction activities for the new state-of-art Laboratory Building has been completed and the same has been inaugurated by Hon'ble Secretary (C&PC) on 18-03-2002. Efforts are on to get the ISO 17025 and organic accreditation for the new laboratory. The Institute continued to function as the Technical Coordinator Unit of the Regional Network on Pesticides for Asia and the Pacific (RENAPAP) of the UNDP/ UNIDO in the field of pesticide formulation technology development and quality assurance.

Objectives of the Institute

The main objectives of the Institute of Pesticide Formulation Technology as given in the Memorandum of Association of the Society are :

1. Development and production of the state-of-art user and environment friendly pesticide formulation technology.
2. Promotion of efficient application technologies suiting the existing requirements of the newer formulations.
3. Information dissemination of safe manufacturing practices, quality assurances, raw material specification and sources.
4. Analytical and consultancy services.
5. Fostering the improvement in the qualification and usefulness of pesticide scientists working in the agrochemical area.
6. Continuing education through specialised training for pesticide personnel.



Activities during the year under report

Through its four divisions viz. Formulation Development, Analytical, Bio-Sciences Division and Process Development, the Institute has continued to work on different projects sponsored by the industry.

(i) Formulation Division

The pesticide industry continued its support to the activities of Institute through sponsoring projects for the development of users and environment friendly varieties of pesticides formulations. The following projects were sponsored by the industry during the year under review.

<i>Sr. No.</i>	<i>Projects</i>	<i>Name of the Party</i>	<i>Status</i>
1.	Endosulfan 75 WG	Excel	Demonstrated
2.	Glyphosate 36 SL for rainfastness studies	Excel	Demonstrated

Developmental studies

During the year exploratory studies were completed for Thiram 80 WG, Cypermethrin 5 EW, Chlorpyrifos 20 EW and Tebuconazole 6 SC.

Processing Job works

The Division undertook laboratory processing for wet milling to M/s Rallis India Limited.

Particle size testing

The various organisations approached this Division for sample testing for particle size distribution for various industries and they were serviced in respect of 715 samples.



(ii) Analytical Division

This division continued to consolidate its activities towards development of new method for analysing active ingredients of pesticides, method validation, modification of existing methods, Quality Control & Quality Assurance & residue analysis. The laboratory continued to participate in the testing activities organised by Department of Science & Technology.

(A) Method Development

Residue Analysis

1. Terminal Residues of Cypermethrin and Endosulfan in cotton & soil.
2. Terminal Residues of Profenophos in cotton & soil.
3. Terminal Residues of Dithiopyr in wheat, straw & soil.
2. Terminal Residues of Alpha Endosulfan in cotton & soil.

(B) Sponsored Projects.

1. Quality Control of Pesticide Products in India (Sponsored by FAO)

(iii) Bio-Science Division

The division continued to work on the sponsored projects by utilizing its well equipped bio-assay laboratory, green houses and experimental farm. It has continued to work in coordination with the Formulation Division and Process Development Division in order to evaluate various products biologically and generating necessary data for registration purpose. During the year 2001-2002 the division has carried out the following studies :



<i>S. No.</i>	<i>Projects</i>	<i>Name of the Party</i>	<i>Status</i>
1.	Bio-efficacy of Bulldock 0.25 SC on Tomato Crop	Bayer	Completed
2.	Bio-efficacy of Bulldock 0.25 SC on Cabbage	Bayer	Completed
3.	Bio-efficacy of Bulldock 0.25 SC on Cauliflower	Bayer	Completed
4.	Bio-efficacy of Haloxypof on onion	De-Nocil	Completed
5.	Bio-efficacy of APSA-80 on Paddy	Amway	Under Progress
6.	Bio-efficacy of Alpha Endosulfan 35 EC on natural enemies in cotton	Excel	Completed
7.	Bio-efficacy of Alpha Endosulfan 35 EC on cotton	Excel	Completed
8.	Bio-efficacy of Alpha Endosulfan 35 EC on brinjal	Excel	Completed
9.	Bio-efficacy of Profenofos on Cotton	Excel	Completed
10.	Rainfastness studies on Glycel	Excel	Completed
11.	Bio-assay studies of neem action production on mosquito	Excel	In Progress
12.	Bio-efficacy and Phytotoxicity of different formulations of Phosphomidon against Jaassid on Brinjal crop	UPL	Completed
13.	Bio-efficacy and Phytotoxicity of different formulations of Phosphomidon against Aphid on Mustard crop	UPL	Completed

iv) Process Development

The process development group continued to interact with the prospective sponsoring industries for transferring the process technology package. It was observed that the industries are not very willing to come forward for the Phase II part of the



project as they are anxious about the non-protection of data generation by the Institute for Section 9(3) Registration Act of Government of India for the new formulation being sponsored by them.

S. No.	Project	Status	Industries
1.	Grinding work	Job work	M/s. Oriental Carbon & Chem
2.	Grinding work	Job work	M/s. Dhanuka Pesticides
3.	Endosulfan 75 WG	Phase - II	M/s. Excel Industries

In house Formulation Development Work

The specified pilot plant equipments were used by formulation development laboratory for in house formulation development work which include Lodige Mixer, Ribbon Blender, Fluid energy Mill, Dyno Mill, Fluid Bed Spray Granulator etc.

Training Programme

During the year, IPFT organized two training programmes. The details of the training programmes organized during the year are as under:

1. Workshop on Hazardous Control in Chemical Process Industries

The three days workshop was conducted by the Process Development Division from 13th - 15th February, 2002 which was well attended by the Pesticide industry personnel. The faculty included experts from NPC, Fire Fighting Department and the internal faculty of IPFT.

2. Workshop on Production of User & Environment Friendly Pesticide Formulations & Quality Control in collaboration with UNIDO/UNDP during March, 2002.

This workshop was jointly organized for the Indian Pesticide Industry as well as UNIDO participants. The programme was residential in nature and was attended by 08 participants from the regional countries of the RENPAP and 17 participants.



**Shri Vinay Kohli, I.A.S., Secretary (C&PC) inaugurating the workshop on
Production of User Environment Friendly Pesticide Formulation & Quality Control**

from the Indian Industries. The programme was highly appreciated by the participants as the same was designed to train the participants on both theoretical and on hand practical training on formulation & quality control.

Regional Network on Safe Pesticides Production and Information for Asia and the Pacific (RENAPAP)

The Institute continued to function as Technical Coordinator Unit (TCU) of the Regional Network on Safe Pesticide Production and Information for Asia and the Pacific (RENAPAP) of UNDP/UNIDO on user and environment friendly pesticide formulation technology and quality assurance. The Institute also continued to provide on behalf of the Government of India the secretarial assistance and logistic support to the RENAPAP.



Governing Body of the Institute of Pesticide Formulation Technology

1. Dr. S P. Dhua, Part-time Chairman.
2. Joint Secretary (Chem), Department of Chemicals & Petrochemicals
3. Joint Secretary (Plant Protection), Ministry of Agriculture.
4. Joint Secretary & Financial Advisor, Ministry of Chemicals & Fertilizers
5. Joint Secretary (NAMP), Malaria Programme in the Ministry of Health
6. Dr. C. R. Hazra, Chairman - Registration Committee & Agriculture Commissioner Ministry of Agriculture.
7. Director (Agriculture), Govt. of Punjab.
8. Director (Agriculture), Govt. of Maharashtra.
9. President, Indian Crop Protection Association.
10. Secretary (Industries), Govt. of Haryana.
11. Mr. Rajju Shroff, Managing Director, United Phosphorus Ltd., Mumbai.
12. Chairman, Pesticide Manufacturers Formulators Association of India, Mumbai.
13. Dr. D. Sengupta, Director, IPFT.

Finance & Administrative Committee of the Institute of Pesticide Formulation Technology

1. Shri H. C. Gupta, Joint Secretary (Chem), Department of Chemicals & Petrochemicals - Chairman
2. Shri Rajendra Mohan, CMD - HIL
3. Shri S. K. Sharma, Director (Finance), Department of Chemicals & Petrochemicals
4. Shri Rajju Shroff, Managing Director, United Phosphorus Ltd., Mumbai.
5. Shri Ashwin C. Shroff, Managing Director, Excel Industries Ltd., Mumbai
6. Dr. D. Sengupta, Director, IPFT.



Accounts & Audit



RAJ VINAY & ASSOCIATES
Chartered Accountants

Des Kunj, 426, Bhera Enclave,
P.O. Sunder Vihar, New Delhi - 110087
Tel: 011-5253424, 5287814
E-mail: raj_kapoor@rediffmail.com

AUDITOR'S REPORT

**TO THE MEMBERS OF
INSTITUTE OF PESTICIDE FORMULATION TECHNOLOGY**

We have audited the attached Balance Sheet of Institute of Pesticide Formulation Technology (a Society duly registered under Society Registration Act) having its office at Sector-20, Udyog Vihar, Gurgaon-122016 as at 31st March, 2002 and the Income & Expenditure Account for the year ended on that date, annexed thereto and Report that

- I. Land being used by the Institute of Pesticide Formulation Technology including Land on which Hostel Building & New Laboratory Building have been constructed belong to M/s Hindustan Insecticides Ltd and the transfer of the same in the name of Institute of Pesticide Formulation Technology is still pending. The legal implications of the transfer of the Hostel Building & New Laboratory Building have not been ascertained & no provision for any liability in this respect has been made.
- II. The said Balance Sheet and Income & Expenditure Account are in agreement with the books of account.
- III. In our opinion and to the best of our information and according to the explanations given to us, the said accounts subject to what is stated in paragraph I above and Para 7A-I regarding Capitalization of Hostel Building, Para 7A-II regarding Capital Work in Progress of Hostel Building and other notes in Schedule - "F" of Accounting Policies and Notes to Accounts give a true and fair view:
 - i. in the case of Balance Sheet, of the state of affairs of the Society as at 31st March, 2002 and
 - ii. in the case of Income and Expenditure Account, of the Excess of Expenditure over Income of the Society for the year ended on that date.

**FOR RAJ VINAY & ASSOCIATES
CHARTERED ACCOUNTANTS**

Place: New Delhi
Date: 12th September, 2002

Sd/-
R. Kapoor
Proprietor



BALANCE SHEET

as at 31st March, 2002

	SCHEDULE NO	AS AT 31.3.2002	AS AT 31.3.2001
SOURCES OF FUNDS			
Capital & Funds	A	78949794.50	71774623.44
Current Liabilities & Provisions	B	10838809.94	12064955.56
TOTAL Rs.		<u>89788604.44</u>	<u>83839579.00</u>
APPLICATIONS OF FUNDS			
Fixed Assets :	C		
Gross Block		55658830.94	40884561.73
Less: Depreciation		2734408.43	2138044.43
		<u>52924422.51</u>	<u>38746517.30</u>
Investments	D	8773954.00	8104759.00
Current Assets, Loans & Advances	E	28090227.93	36988302.70
TOTAL Rs.		<u>89788604.44</u>	<u>83839579.00</u>
Accounting Policies and Notes to Accounts	F		

Schedules referred to above form an integral part of the Balance Sheet
As per our attached report of even date

For RAJ VINAY & ASSOCIATES
Chartered Accountants

Sd/-
(R. KAPOOR)
Proprietor

Sd/-
(Dr. D. Sengupta)
Director

Sd/-
(J. P. Singh)
Head Fin/Adm/Trg

Place : New Delhi
Date : 12th September, 2002



INCOME AND EXPENDITURE ACCOUNT
for the year ended 31st March, 2002

PARTICULARS	SCHEDULE NO	Year ended 31.3.2002	Year ended 31.3.2001
INCOME			
Testing Charges		1047950.00	512250.00
Income from Project (Formulation Lab.)		475000.00	967500.00
Income from Project (Bio-Science)		469800.00	761000.00
Job Work (Pilot Plant)		372750.00	225000.00
Seminars & Workshop		95879.88	349779.09
Interest on Deposits		1687777.84	2930190.59
Sale of Tenders		-	47000.00
Prior Period Income		13323.00	52814.00
Miscellaneous		8515.80	18656.86
	TOTAL Rs.	4170996.52	5864190.54
EXPENDITURE			
Establishment	G	6285710.38	6186510.23
Administrative	H	1905950.15	1869893.44
Operational Expenses	I	497367.33	1105083.99
Other Expenses	J	385032.60	337988.95
Depreciation	C	596364.00	494651.00
		9670424.46	9994127.61
Excess of Expenditure over Income		-5499427.94	-4129937.07
	TOTAL Rs.	4170996.52	5864190.54
Accounting Policies and Notes to Accounts	F		

Schedules referred to above form an integral part of the Income & Expenditure Account
As per our attached report of even date

For RAJ VINAY & ASSOCIATES
Chartered Accountants

Sd/-
(R. KAPOOR)
Proprietor

Sd/-
(Dr. D. Sengupta)
Director

Sd/-
(J. P. Singh)
Head Fin/Adm/Trg

Place : New Delhi
Date : 12th September, 2002

**SCHEDULE 'A' — CAPITAL & FUNDS****CAPITAL ACCOUNT**

	AS AT 31.3.2002	AS AT 31.3.2001
Balance as per Last year	62675291.44	56805228.51
Add: Government Grant in aid	11660000.00	10000000.00
	74335291.44	66805228.51
Less: Excess of Expenditure over Income	5499427.94	4129937.07
	68835863.50	62675291.44

CORPUS FUND

Balance as per Last Year	5319359.00	4867333.00
Add: Interest Income for the year	598333.00	452026.00
	5917692.00	5319359.00

MEMBERSHIP FUND

Balance as per Last Year	3779973.00	3426525.00
Add: Interest Income for the year	416266.00	353448.00
	4196239.00	3779973.00
TOTAL Rs.	78949794.50	71774623.44



SCHEDULE 'B' - CURRENT LIABILITIES & PROVISIONS

	AS AT 31.3.2002	AS AT 31.3.2001
Expenses Payable	527020.37	539144.22
Amount Payable to United Nation Development Project	691440.00 ✓	691440.00
Amount Payable to Hindustan Insecticide Ltd.	1427801.98 ✓	2327093.36
Grant Received for Neem Project	4090000.00 ✓	4840000.00
Advances Received from parties	646122.00 ✓	917650.00
Due to RENPAP	-	262910.89
Advance received against Chemicals Weapon Convention	1151532.65 ✓	1151532.65
Security Deposits	1613648.94 ✓	698127.44
Provision for Gratuity	691244.00 ✓	577057.00
Earnest Money Deposits	-	60000.00
TOTAL Rs.	10838809.94	12064955.56



**SCHEDULE "C" OF FIXED ASSETS ATTACHED TO AND FORMING PART OF
BALANCE SHEET AS AT 31ST MARCH, 2002**

PARTICULARS	GROSS BLOCK AT COST			DEPRECIATION			NET BLOCK			RATE OF DEPRECIATION
	AS AT 1.4.2001	ADDITION	SALE / ADJUST.	AS AT 31.3.2002	AS AT 1.4.2001	FOR THE YEAR	AS AT 31.3.2002	AS AT 31.3.2002	AS AT 31.3.2001	
Capital Work in Progress	28061320.52	14730297.21	-	42791617.73	-	-	-	42791617.73	28061320.52	
Building	2100223.00	-	-	2100223.00	626988.03	34234.00	661222.03	1439000.97	1473234.97	1.63%
Furniture & Fixture	2704146.37	-	-	2704146.37	213372.75	171172.00	384544.75	2319601.62	2490773.62	6.33%
Office Equipment	746655.26	-	-	746655.26	102633.63	35466.00	138099.63	608555.63	644021.63	4.75%
Plant & Machinery	293899.22	-	-	293899.22	124804.50	13960.00	138764.50	155134.72	169094.72	4.75%
Laboratory Equipment	6810453.11	43972.00	-	6854425.11	1009115.52	325585.00	1334700.52	5519724.59	5801337.59	4.75%
Vehicle	167864.25	-	-	167864.25	61130.00	15947.00	77077.00	90787.25	106734.25	9.50%
	40884561.73	14774269.21	55658830.94	2138044.43	596364.00	2734408.43	52924422.51	38746517.30		

**SCHEDULE 'D'- INVESTMENTS**

	AS AT 31.3.2002	AS AT 31.3.2001
Fixed Deposits with Banks (Corpus Fund)	5151324.00 ✓	4766540.00
Fixed Deposits with Banks (Membership Fund)	3622630.00 ✓	3338219.00
TOTAL Rs.	8773954.00 ✓	8104759.00

SCHEDULE 'E'- CURRENT ASSETS, LOANS & ADVANCES

Testing Charges Recoverable	640922.00 ✓	633222.00
Other Amounts Recoverable	1698077.10 ✓	698135.30
Interest accrued but not due	1469806.00 ✓	1025229.00
Bank balances in current accounts	42576.58 ✓	265749.54
Fixed Deposits with Banks	15839440.00 ✓	25655877.00
Cash in hand	143.37	181.21
Postage Imprest	143.00	-
Cheques in hand	6660000.00 ✓	8502000.00
Advances to Staff	15384.37 ✓	27603.15
Security Deposits with Bharat Sanchar Nigam Ltd.	60000.00 ✓	60000.00
Advances to Parties	9422.50 ✓	26454.50
Prepaid Expenses	98733.00 ✓	93851.00
Due from RENPAP	1555580.01 ✓	-
TOTAL Rs.	28090227.93	36988302.70



SCHEDULE "F" OF ACCOUNTING POLICIES & NOTES TO ACCOUNTS

1. Status

Institute of Pesticide Formulation Technology is a society duly registered under Society Registration Act established by Government of India.

2. Investments

Investments are shown in the Balance Sheet at cost.

3. Fixed Assets

- I. Fixed assets are shown at cost less accumulated depreciation.
- II. Depreciation on fixed assets has been provided on straight line method (SLM) at rates specified in Schedule XIV to the Companies Act, 1956.

4. Research & Development

Research & Development Costs (other than cost of fixed assets acquired) are charged as an expense in the year in which they are incurred.

5. Recognition of income & Expenditure

- I Provision for Gratuity has been made on accrual basis.
- II Expenses incurred by M/s Hindustan Insecticides Ltd. for & on behalf of the Institute are being accounted for on the basis of claims of M/s Hindustan Insecticides Ltd.
- III Grant in aid of Rs. 11660000.00 received from Central Govt. to meet running Expenses of the Institute has been credited to Capital account as per Accounting Policy of the Institute.
- IV Interest income on investments relating to Corpus & Membership Fund has been credited to respective fund in accordance with accounting policy of the Institute.

NOTES

1. Previous year figures have been regrouped / reclassified wherever necessary.
2. Current Assets, Loans & Advances have a value on realisation in the

**SCHEDULE 'I' - OPERATIONAL EXPENSES**

	YEAR ENDED 31.3.2002	YEAR ENDED 31.3.2001
Laboratory Expenses	418930.89	593732.80
Chemicals	46456.27	34496.55
Chemicals Weapons Convention Expenses	27865.00	437302.64
Pilot Plant Expenses	4115.17	39552.00
TOTAL Rs.	497367.33	1105083.99

SCHEDULE 'J'- OTHER EXPENSES

Entertainment	36992.85	27501.75
Insurance	98369.00	100116.00
Bank Charges	6209.50	5941.00
Auditor's Remuneration	9225.00	7500.00
Consultancy/Legal & Professional	110000.00	5000.00
Advertisement & Publicity	-	157880.00
Prior Period Expenses	47402.75	33740.20
Meeting Expenses	76833.50	-
Membership Subscription	-	310.00
TOTAL Rs.	385032.60	337988.95