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THE BOARD

National Oilseeds and Vegetable Oils Development (NOVOD) Board was created under NOVOD Board Act, 1983 (No.29 of 1983) and came into being on 8th March 1984. The Act provides for integrated development of oilseeds and vegetable oils industry under the control of the Union Government. The Board has comprehensive functions as per the provisions under the Act and covers all aspects of development of oilseeds and vegetable oils industry including production, processing, marketing, trade, storage, research & development and financing. It has an advisory role in the formulation of integrated policy and programmes of development of oilseeds and vegetable oils.

FUNCTIONS OF THE BOARD

2. Functions of the Board as per NOVOD Board Act, 1983 are as under: -
 - 2.1 Development of oilseeds & vegetable oil industries under the control of Central Government.
 - 2.2 Recommend measures for marketing of oilseeds/products and vegetable oil and their quality control.
 - 2.3 Technical advice for growing, processing and marketing.
 - 2.4 Encourage seed production e.g. breeder, foundation and certified.
 - 2.5 Encourage expansion of area and also processing.
 - 2.6 Assist farmers to get price support/remunerative prices.
 - 2.7 Recommendation for buffer stocking, storage, establishment of processing facility, regulation of import & export.
 - 2.8 Collection of related statistics.
 - 2.9 Publicity.



- 2.10 Recommend steps for grade standard.
- 2.11 Financing schemes in related field.
- 2.12 Research on oilseeds - technological, industrial and economic.

THE BOARD AND THE MANAGING COMMITTEE

3.1 THE BOARD

The overall administrative control of the Board is vested with the Union Agriculture Minister (who is the ex-officio Chairman of the Board) assisted by the Secretary, Union Deptt. of Agriculture & Cooperation as ex-officio Vice-Chairman of the Board. The Board has 34 other members. List of the members on the Board is in Annexure-I.

3.2 THE MANAGING COMMITTEE

Delegation of powers & functions of the Board are vested with the Managing Committee headed by Secretary (A&C) as Vice-Chairman of the Board. List of the members on the Managing Committee is in Annexure-II.

MEETINGS OF THE BOARD AND THE MANAGING COMMITTEE

4.1 THE BOARD

The twelfth meeting of the Board was held on 6th December, 1994 at Krishi Bhawan, New Delhi under the chairmanship of Dr. Balram Jakhar, Hon'ble Union Minister of Agriculture & Chairman of



the Board. In this meeting, action taken on the decisions of the previous meeting, achievements of developmental schemes implemented during the year 1993-94 were reviewed and the proposals for 1994-95 were discussed. The 10th Annual Report (1993-94) and Annual Accounts for the year 1993-94 were also approved.

4.2 THE MANAGING COMMITTEE

Two meetings of the Managing Committee were held during the year 1994-95 i.e. 19th meeting on 28th July 1994 and the 20th meeting on 21st November 1994 under the chairmanship of Secretary (A&C), wherein the progress of various schemes already in operation was reviewed alongwith draft Annual Report (1993-94) and Annual Accounts for the year 1993-94.

4.3 STAFF POSITION

Staff position as on 31.03.1995 in the NOVOD Board located at Gurgaon (Haryana) is at Annexure-III.

DEVELOPMENTAL ACTIVITIES (1994-95)

NOVOD Board has been allocated an outlay of Rs. 1750 lakh for the 8th Plan period to undertake developmental activities. Administrative approvals to the extent of Rs.679.10 lakh were accorded for various programmes during 1994-95 as per pattern of assistance vide Annexure-IV. Whereas a total sum of Rs.469.78 lakh has been utilised under developmental programmes including Rs.84.78 lakh unutilised funds duly revalidated by the Department of Agriculture & Cooperation. Besides, various programme implementing agencies were also allowed to utilise unspent balance of Rs. 32.07 lakh from last year under

their ongoing schemes during 1994-95 after due revalidation. State and programmewise physical and financial progress for 1994-95 may be seen as per Annexure - V. NOVOD programmes were largely concentrated to organise production programmes (75%) for opening new areas and area expansion in non-traditional areas (NTAs)/ seasons. Providing input through seed production (5%), development of non-traditional oilseeds (10%), processing (2%) and need based research support (8%) were the remaining programmes. The Board has extended assistance for need based programmes to State Deptt. of Agriculture (16), SAUs (6), Co-operatives/Oilfeds etc. (8), National Institutes (4), and NGOs (8) (Appendix-I).

5.1 PROMOTION OF OILSEEDS CULTIVATION IN NEW/ NON - TRADITIONAL AREAS/SEASONS

This is a major developmental programme of the Board. Accordingly a sum of Rs.419.61 lakh has been released to promote oilseed crops in new/non-traditional areas as per progress hereunder :-

5.1.1 SUNFLOWER

Sunflower has been the major thrust crop with an outlay Rs. 167.18 lakh encompassing 14 states. NE States have been greater beneficiaries especially Nagaland to exploit the potential. Demonstrations, while identifying newer areas, have been organised with Morden variety. Whereas for productivity improvement and area expansion, public sector hybrids like APSH-11, KBSH-1, and other hybrids like MSFH-6, 8, PAC-36, Kargil SS-3322, GKH-2002, Badshah, Arun etc. have been used. Component of beekeeping as pollinating agent is gaining popularity in U.P. Overall programme has been successful in almost all the states. Statewise details of the physical and financial achievement under various components like demonstration, minikit, threshers, beehives and field days are summarised hereunder:-

| S.N. | State | Organi- sation | Progr- ammes | Physical | | Financial | |
|------|------------------------|-------------------|-----------------|----------|------|-----------------|----------------|
| | | | | (T) | (A) | (Rs. in lakh) | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| | | | | | | <u>Sanction</u> | <u>Release</u> |
| 1 | Andhra Pradesh | SDA | M | 5000 | 4416 | 3.75 | 2.50 |
| | | | Th | 50 | P.A. | 5.00 | 5.00 |
| 2 | Arunachal pra- desh | SDA | D | 200 | 200 | 1.00 | 1.00 |
| | | | FD | 1 | 1 | 0.10 | 0.10 |
| 3 | Haryana | SDA | M | 10,000 | 2257 | ** 7.50 | 7.50 |
| | | | FD | 4 | N.I. | 0.40 | 0.40 + |
| | | | Th | 100 | N.I. | 10.00 | 10.00 + |
| | | VMA-VORDI | D | 100 | 100 | 0.50 | 0.25 |
| 4 | Jammu & Kashmir | SDA | D | 200 | 8 | 1.00 | 0.55 |
| | | | FD | 1 | N.I. | 0.10 | 0.00 |
| 5 | Karnataka | SDA | Th | 150 | 150 | 13.00 | 13.00 |
| 6 | Madhya Pradesh | SDA | M | 10,000 | 5840 | 10.00 | 0.00@ |
| 7 | Maharashtra | SDA | Th | 100 | 120 | 10.00 | 10.00 |
| | | MAHAFAE | M | 2000 | 2000 | 1.50 | 1.50 |
| | | D | Th | 50 | 50 | 5.00 | 5.00 |
| 8 | Manipur | MVAIL | D | 200 | 247 | 1.00 | 1.00 |
| | | | M | 1000 | 1020 | 0.75 | 0.75 |
| | | | FD | 1 | 1 | 0.10 | 0.10 |
| | | MEHPDS | M | 3000 | N.I. | 0.66 | ++ 0.00 |
| | | | FD | 3 | 3 | 0.30 | 0.00* |
| 9 | Mizoram | SDA | D | 100 | 60 | 0.50 | 0.50 |
| | | | M | 500 | P.A. | 0.11 | 0.11 |
| 10 | Nagaland | SDA | D | 3000 | 3000 | 15.00 | 15.00 |
| | | | M | 5875 | 6000 | ** 11.75 | 11.75 |
| | | | FD | 7 | 7 | 0.70 | 0.70 |
| | | NGA | M | 250 | 250 | 0.06 | 0.06 |
| 11 | Orissa | Oil Orissa | D | 900 | 123 | 4.50 | 0.61 |
| 12 | Punjab | SDA | M | 7000 | 6629 | 5.25 | 5.25 |
| | | | Th | 138 | 239 | 12.25 | 12.25 |
| | | IVPA | D | 300 | 191 | 1.50 | 0.75 |
| 13 | Uttar Pradesh | SDA | D | 3600 | 3600 | 18.00 | 18.00 |

| | | | | | |
|-----------|----|-----|------|------|------|
| | FD | 12 | 12 | 0.60 | 0.60 |
| | Th | 60 | 60 | 6.00 | 6.00 |
| | BH | 500 | P.A. | 4.00 | 3.42 |
| VMA-VORDI | D | 60 | 60 | 0.30 | 0.15 |
| IVPA | D | 160 | 92 | 0.80 | 0.40 |

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
|-------|-------------|------|-----|------|------|--------|--------|
| | | CSAU | D | 600 | P.A. | 3.00 | 1.50 |
| | | | M | 1000 | P.A. | 1.00 | 0.50 |
| | | | FLD | 300 | 189 | 7.50 | 4.72 |
| | | | FD | 1 | P.A. | 0.10 | 0.05 |
| 14 | West Bengal | SDA | D | 500 | P.A. | 2.50 | 1.25 |
| | | | FD | 1 | P.A. | 0.10 | 0.05 |
| Total | | | | | | 167.18 | 142.27 |

* Adjusted from unspent balance of 1993-94; ** Size of minikit was 2 kg/ kit; + State has been requested for refund; ++ Shall be adjusted during 1995-96; @ Due to late receipt of progress.

5.1.2 SOYBEAN

This programme includes opening of new areas in Gujarat & Punjab and area expansion in Andhra Pradesh, Arunachal Pradesh, Assam, Manipur, Mizoram and Nagaland. Success has been achieved under the programme except for Assam, Haryana and U.P. due to lack of seed. Improved varieties like PK-262, PK-416, PK-564, PK-472, JS-72-44, Pusa-20 and Bragg etc. have been used under this programme.

Salient features are as under :-

(i) Soybean has been introduced successfully in Saurashtra region of Gujarat as a pure as well as inter-crop with pomegranate orchards with yield response as under:-

| Cropping System | Yield (Kg./ha.) | |
|-----------------|-----------------|------|
| | Min. | Max. |
| Pure crop | 750 | 2625 |
| Inter-crop | 1500 | 1750 |

(ii) Introductory programme has been successful in Jalandhar, Kapurthala, Hoshiarpur, Ropar and Ludhiana districts of Punjab with maximum and minimum yield of 2500 kg/ha, and 500 kg/ha, respectively.

(iii) Good productivity levels of 900 -1700 kg/ha in hilly districts of Manipur; 1000 - 1200 kg/ha, in Nagaland; and 1136 - 2000 kg./ha. in Baharaich district of U.P. have been obtained.

(iv) Minimum yield of 750 kg/ha, in Gujarat and 500 kg/ha, in Punjab was attributed due to heavy rains.

| S.N. | State | Organi- sation | Progr- ammes | Physical | | Financial | |
|-------|------------------------|-------------------|-----------------|----------|------|---------------|---------|
| | | | | (T) | (A) | (Rs. in lakh) | |
| | | | | | | Sanction | Release |
| 1 | Andhra Pradesh | SDA | M | 5000 | 4097 | 50.00 | 46.92 |
| | | | FD | 5 | 5 | 0.50 | 0.50 |
| 2 | Arunachal Pra- desh | SDA | M | 400 | 400 | 4.00 | 3.50 * |
| | | | FD | 4 | 4 | 0.40 | 0.40 |
| 3 | Assam | SDA | M | 1400 | 747 | 14.00 | 7.47 |
| 4 | Gujarat | VMA-VORDI | M | 320 | 320 | 3.20 | 3.20 |
| 5 | Haryana | SDA | M | 1000 | N.I. | 10.00 | 0.00 |
| | | | FD | 6 | N.I. | 0.60 | 0.00 |
| 6 | Manipur | MEHPDS | M | 450 | 410 | .50 | 1.69 * |
| | | | FD | 3 | 3 | 0.30 | 0.30 |
| 7 | Mizoram | SDA | M | 750 | 750 | 7.50 | 6.15 |
| 8 | Nagaland | SDA | M | 1500 | 1500 | 15.00 | 15.00 |
| | | | FD | 7 | 7 | 0.50 | 0.50 |
| 9 | Punjab | NGA PAIC | M | 100 | 100 | 1.00 | 1.00 |
| | | | M | 800 | 779 | 8.00 | 7.79 |
| | | | FD | 5 | 5 | 0.50 | 0.50 |
| | | | SD | 6 | N.I. | 0.30 | 0.00 |
| | | | | | | | |
| 10 | Uttar Pradesh | SDA | M | 1600 | 82 | 16.00 | 0.82 |
| Total | | | | | | 136.30 | 95.74 |

* Unspent balance adjusted : Rs. 0.50 lakh – Arunachal Pradesh
and Rs. 2.61 lakh – MEHPDS.

A pilot programme for off-season seed multiplication in Gujarat and Haryana was also approved by the Board for implementation by VMA - VORDI. This programme has been successful with JS-335, JS-7105 and PK-472 varieties in Gujarat and Haryana respectively. Based upon the progress, an amount of Rs.1.00 lakh has been released.

5.1.3 SESAMUM

This scheme was sanctioned to encourage white sesamum cultivation in non-traditional areas particularly in N.E. States, where it has good potential. Production programmes have been organised over an area of 1,445 ha. during kharif in the States of Arunachal Pradesh, Jammu & Kashmir, Nagaland and Tripura. While rabi programme has been taken up over an area of 349 ha. in Maharashtra in non-traditional area. Statewise physical & financial progress is as under:-

| S.N. | State | Organi- sation | Progr- ammes | <u>Physical</u> | | <u>Financial</u> | |
|------|-----------------------|-------------------|-----------------|-----------------|------|------------------|----------------|
| | | | | (T) | (A) | (Rs. in lakh) | |
| | | | | | | <u>Sanction</u> | <u>Release</u> |
| 1 | Arunachal Prad esh | SDA | D | 200 | 200 | 1.20 | 1.20 |
| | | | M | 500 | 500 | 0.06 | 0.06 |
| | | | Fd | 1 | 1 | 0.10 | 0.10 |
| 2 | Assam | SDA | M | 5000 | N.I. | 0.60 | 0.00 |
| 3 | Jammu & Kashmir | SDA | D | 300 | 95 | 1.80 | 0.95 |
| | | | FD | 1 | N.I. | 0.10 | 0.00 |
| 4 | Maharashtra | SDA | M | 6000 | 4210 | 0.72 | 0.72 |

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
|-----|----------|-----|-----|-----|------|-------|------|
| 5 | Nagaland | SDA | D | 600 | 600 | 3.60 | 3.60 |
| | | | FD | 4 | 4 | 0.30 | 0.30 |
| | | NGA | M | 250 | N.I. | 0.03 | 0.00 |
| 6 | Tripura | SDA | D | 500 | 500 | 3.00 | 3.00 |
| | Total | | | | | 11.51 | 9.93 |

5.1.4 CASTOR HYBRID

This programme was sanctioned to the department of agriculture, Andhra Pradesh with an outlay of Rs. 4.04 lakh to promote castor hybrid cultivation. However the State could implement the programme over an area of 230 ha. with GCH-4 against the target of 660 ha. due to non-availability of hybrid castor seed. Accordingly a sum of Rs.1.48 lakh was released by the Board.

5.1.5 NIGER

This programme was sanctioned to Assam department of agriculture with an outlay of Rs. 1.80 lakh. Full achievement has been reported by the state against the physical target of 10,000 minikit-s of GA-5 variety of niger.

5.1.6 SAFFLOWER

This programme has been introduced by the Board from the year 1992-93. During 1994-95 due to non-availability of seed, the programme could be implemented only over an area of 4184 ha. as against the target of 10,400 ha. with JSF-1 and JSF - 7 varieties in M.P. Funds could not be released to M.P. due to late receipt of progress report for all the programmes. Similarly only 685 ha. area could be covered in Orissa as against the target of 1200 ha. with Bheema variety of safflower . However, JNKVV Sagar has implemented F.L.D.

programme over targetted areas of 200 ha. The state and component wise progress details are as under: -

| S.N. | State | Organi- sation | Progr- ammes | Physical | | Financial | |
|------|----------------|-------------------------------|-----------------|----------|------|---------------|---------|
| | | | | (T) | (A) | (Rs. in lakh) | |
| | | | | | | Sanction | Release |
| 1 | Madhya Pradesh | SDA | D | 8000 | 3177 | 40.00 | 0.00 |
| | | | M | 12,000 | 5036 | 8.64 | 0.00 |
| | | | FD | 10 | P.A. | 1.00 | 0.00 |
| | | | Th | 50 | 63 | 5.00 | 0.00 |
| | | | Rt | 3 | 1 | 0.75 | 0.00 |
| | | | HG | 12,000 | 2548 | 1.80 | 0.00 |
| | | | FLD | 200 | 200 | 5.30 | 3.32 |
| 2 | Orissa | JNKVV, Sagar Oil Orissa | D | 1000 | 585 | 5.00 | 2.63 |
| | | | M | 1000 | 500 | 0.72 | 0.36 |
| | | | Th | 5 | P.A. | 0.50 | 0.50 |
| | | | HG | 1000 | P.A. | 0.40 | 0.40 |
| | | | Total | | | | |

5.1.7 RAPESEED & MUSTARD

To break mono-culture paddy cultivation in N.E. States, zero tillage concept for rapeseed & mustard cultivation was encouraged in Manipur. High yielding varieties like Pusa bold have shown excellent performance in Nagaland where large area demonstrations have been conducted in reverine areas.

In Maharashtra farmers have shown good response to promote new crop of mustard. Statewise progress details are as under:-

| S.N. | State | Organi- sation | Progr- ammes | Physical | | Financial | |
|------|-------------|-------------------|-----------------|----------|--------|-----------------------------------|-------|
| | | | | (T) | (A) | (Rs. in lakh) Sanction Release | |
| 1 | Assam | SDA | M | 10,000 | 10,000 | 1.80 | 1.80 |
| 2 | Maharashtra | SDA | M | 6250 | 6225 | 1.13 | 1.13 |
| 3 | Manipur | MVAIL | D | 1000 | 1040 | 7.50 | 6.37 |
| | | | M | 1000 | 1100 | 0.18 | 0.18 |
| | | | FD | 3 | 3 | 0.30 | 0.30 |
| 4 | Mizoram | SDA | D | 500 | 500 | 3.50 | 3.50 |
| | | | M | 500 | 500 | 0.09 | 0.09 |
| 5 | Nagaland | SDA | D | 1500 | 1500 | 11.25 | 11.25 |
| | | | M | 2000 | 2000 | 0.36 | 0.36 |
| | | | FD | 3 | 3 | 0.30 | 0.30 |
| | | NGA | M | 500 | 500 | 0.09 | 0.09 |
| | Total | | | | | 26.50 | 25.37 |

5.1.8 GROUNDNUT

Major emphasis has been given on rabi summer groundnut cultivation in Assam, Tripura and West Bengal to exploit the potential of groundnut cultivation in riverine areas and paddy fallows. Largely bunch variety JL-24 has been used. The programme has received good response in all these states. Besides, demonstration of HPS groundnut has been organised over an area of 300 ha. with variety TAG-24 in Maharashtra through Mahafed with buy back arrangement. Details of implementation in various states are as under :-

| S.N. | State | Organi- sation | Progr- ammes | Physical | | Financial | |
|-------|-------------|-------------------|-----------------|----------|------|-----------------|----------------|
| | | | | (T) | (A) | (Rs. in lakh) | |
| | | | | | | <u>Sanction</u> | <u>Release</u> |
| 1 | Assam | SDA | D | 800 | 400 | 12.00 | 6.00 |
| | | | M | 6000 | 6000 | 19.44 | 15.06 |
| | | | FD | 12 | N.I | 1.20 | 0.00 |
| 2 | Maharashtra | SDA | M | 588 | 440 | 1.91 | 1.90 |
| | | | Rt | 10 | N.I. | 1.20 | 1.20 + |
| | | MAHAFED | D (HPS) | 300 | 300 | 4.50 | 4.50 |
| | | | Dct | 25 | 25 | 2.50 | 2.50 |
| 3 | Nagaland | NGA | M | 250 | 250 | 0.81 | 0.81 |
| 4 | Orissa | OSSC | Sdr | 5 | 1 | 2.10 | 0.42 |
| | | | Oil Orissa | Spr | 50 | 6 | 6.25 |
| | | | Dct | 25 | P.A. | 2.50 | 1.00 |
| 5 | Tripura | SDA | D | 500 | 500 | 7.50 | 7.50 |
| | | | M | 1000 | 1000 | 3.24 | 2.96 |
| | | | FD | 2 | P.A. | 0.20 | 0.20 |
| 6 | West Bengal | SDA | D | 1500 | P.A. | 22.50 | 8.65 |
| | | | M | 1000 | P.A. | 3.24 | 1.62 |
| | | | FD | 2 | P.A. | 0.20 | 0.10 |
| Total | | | | | | 91.29 | 55.66 |

+ Amount would be adjusted during next year.

5.2 DEVELOPMENT OF NON – TRADITIONAL OILSEEDS (NTOS)

An outlay of Rs. 64.50 lakh was provided for development of NTOs. Based upon the actual progress, an amount of Rs. 38.28 lakh has been released to various States/other organisations as per break-up hereunder:-

| S. N. | Programme | State | Organi- - sation | Plant | Physical | | Financial | |
|----------|----------------------------------|-------------------|------------------------|-----------------|-----------------|----------|---------------|-----------------------|
| | | | | | (T) | (A) | (Rs. in lakh) | <u>Sanc- tion</u> |
| 1. | Nursery (Nos) | i. Goa | SDF | Kokum | 1,00,000 | 1,00,000 | 1.25 | 1.25 |
| | Kisan Nursery (Nos) | ii U.P. | DGSM | Wild Apricot | 1,00,000 | 1,00,000 | 3.00 | 1.50 |
| | -do- | | HARC | -do- | 1,50,000 | 1,50,000 | 4.50 | 1.06 * |
| | | | | Sub-Total | 3,50,000 | 3,50,000 | 8.75 | 3.81 |
| 3. | Plantation | i. Rajas- than | SDA | Ratan- Jyot | 1,00,000 | 85,000 | 2.00 | 1.70 |
| | | | | Jojoba | 1,00,000 | N.I. | 3.00 | 0.00 |
| | | | | Karanja | 50,000 | 38,000 | 1.00 | 0.76 |
| | | ii. Goa | SDF | Kokum | 1,00,000 | N.I. | 1.25 | 0.00 |
| | | | | | Sub-Total | 3,50,000 | 1,23,000 | 7.25 |
| 3. | Seed collection (Qtl) | i. Rajas- than | SDA | Karanja | 1500 | 970 | 3.00 | 1.93 |
| | | | | Neem | 15,000 | 12,210 | 30.00 | 21.64 |
| | | | | Pilu | 500 | 1160 | 1.00 | 1.00 |
| | | | | Tumba | 3000 | 4800 | 6.00 | 6.00 |
| | | ii. U.P. | SDA | Neem | 2000 | 178 | 4.00 | 0.35 |
| | | Mahua | | 1500 | N.I. | 3.00 | 0.00 | |
| | | | | HARC | Wild Apricot | 500 | 400 | 1.00 |
| | | | Sub-Total | 24,000 | 19,718 | 48.00 | 31.72 | |
| 4. | Special aware- ness programme | U.P. | HARC | | | | 0.50 | 0.29 |
| | Total = | | | | | | 64.50 | 38.28 |

* Adjusted from unspent balance of 1993-94.

5.3 DEVELOPMENT OF SEED FARM, SEED PRODUCTION & SEED STORAGE

5.3.1 SEED FARM

State seed multiplication farm at Dalgaon in Assam and Nagalapuram in Chittoor district of Andhra Pradesh have been strengthened with infrastructural facilities like irrigation, construction of threshing floor, installation of seed processing units, construction of seed godown and purchase of farm implements. This will ensure seed production/ multiplication of seeds of oilseed crops for Assam and Andhra Pradesh. These projects were started during 1993-94 and completed during 1994-95. Board has extended financial assistance of Rs.6.24 lakh and Rs.9.11 lakh to Andhra Pradesh & Assam respectively for these programmes during the year.

5.3.2 SEED PRODUCTION

Production of castor hybrid (GCH-4) has been organised in Gujarat through Gujarat Co-operative Marketing Federation Ltd. (GUJCOMASOL) and Gujarat State Seeds Corporation Ltd. (GSSC). A sum of Rs. 5.25 lakh has been released to GUJCOMASOL including unspent balance of Rs. 0.21 lakh from 1993-94. However, GSSC has been allowed to utilise unspent balance of Rs. 7.96 lakh from 1993-94. The programme has been organised in Banaskantha, Mehsana, Sabarkantha, Kheda, Baroda and Panchmahal districts of Gujarat covering 1250 ha. area. Production of 4258 qtl. seed has been reported. The progress details are as under :

| Organisation | | Physical | | Financial | |
|--------------|-------------|----------|------|---------------|---------|
| | | (T) | (A) | (Rs. in lakh) | |
| | | | | Sanction | Release |
| GUJCOMASOL | Area (ha) | 500 | 500 | 2.75 | 2.75 |
| | Prod. (Qtl) | 5000 | 2130 | 5.00 | 2.29 |
| GSSC | Area (ha) | 750 | 750 | 4.12 | 0.00 |
| | Prod. (Qtl) | 5875 | 2128 | 5.88 | 0.00 |
| Total | | | | 17.75 | 5.04 |

5.4 PROCESSING

Himalayan Action Research Centre (HARC) has installed one hand-cum-power operated decorticator and a small oil processing unit comprising of two Bengal type ghanies and oil filter for extraction of oil with cold process from wild apricot nut at Naugaon (Uttarkashi), U.P. with a capacity of 500 kg/day. An amount of Rs. 1.80 was released against the sanctioned outlay of Rs. 2.00 lakh.

5.5 PUBLICATIONS

Two publications on Cheura and wild apricot in Hindi and 6 bilingual video (Hindi & English) films on NTOs namely Cheura, Sal, Ratanjyot, Bhikal, Aru and Castor have been released by HARC, Dehradun. An amount of Rs. 4.34 lakh against the sanctioned outlay Rs. 4.80 lakh was released to HARC.

Besides an amount of Rs. 50,000/- was released to Indian Society of Oilseeds Research, Hyderabad towards the publication of proceedings on National Seminar on “Oilseeds Research & Development in India: Status & Strategies” held during August, 1993.

5.6 TRAINING

Trainer's training and farmers training programmes to disseminate information about production technology for oilseed crops in non-traditional areas were supported to the extent of Rs. 15.17 lakh. The programme wise progress is as under :-

| S.N. | Programme | State | Organisation | <u>Physical</u> | | <u>Financial</u> | |
|-------|---|-------------------|--------------|-------------------------|------|------------------------|---------|
| | | | | (T) (No. of farmers) | (A) | (Rs. lakh) Sanction | Release |
| i. | Soybean (Tripartite Training) | Madhya Pradesh | SOPA | - | N.I. | 0.99 | 0.00 |
| ii. | Groundnut (Women farmers' study tour) | Mahara- shtra | MAHAFED | 100 | 101 | 0.78 | 0.78 |
| iii. | Sunflower (FT) | Nagaland | SDA | 7000 | 7000 | 7.00 | 7.00 |
| iv. | Sunflower, Soybean R/M, (T.T.) | | | 145 | 145 | 2.06 | 2.06 |
| v. | Sunflower, Soybean R/M (F.T.) | | | 700 | 1000 | 3.64 | 3.64 |
| vi. | Groundnut (SMS) | West Bengal | SDA | 1 | P.A. | 0.20 | 0.10 |
| vii. | Groundnut (Farmers visit to traditional area) | | | 240 | P.A. | 0.50 | 0.25 |
| Total | | | | | | 15.17 | 13.83 |

5.7 RESEARCH PROGRAMMES

Board has been helping for need based priority research programmes through ICAR, SAU's and CSIR institutions from 1992-93 onwards. Annexure - V provides outlays and releases made during 1994-95, based upon the actual progress. Brief outcome of these programmes is as under:

5.7.1 DEVELOPMENT OF '0-0' VARIETIES OF RAPESEED & MUSTARD

The programme envisages development of double zero varieties of rapeseed & mustard with an outlay of Rs.74.51 lakh for five years i.e. 1992-97 through Tata Energy Research Institute (TERI). Progress under the project is regularly reviewed by an Expert Committee headed by Dy. Director Gen. (Crop Sciences), ICAR. However, recent progress has been reviewed by the D.G., ICAR for a joint review of the current status of development of '0-0' varieties at National level (including all the concerned research centres) on 20.2.95 in NOVOD Board. TERI has segregated plants of Brassica juncea with '0' erucic acid and yellow seed coat and plant population with '0' erucic and high oleic acid has been segregated in B. napus as well. However, slow progress has been observed towards development of lines with low glucosinolates in both B. napus and B. juncea. Some plants of B. juncea (Pusa-Bold) having only butenyl isothiocyanate have been selected which may help in development of '0' glucosinolate plants.

5.7.2 DEVELOPMENT OF SAFE STORAGE TECHNOLOGY

This project was undertaken by the Division of Entomology, IARI with an outlay of Rs.9.16 lakh from 1992-93 to 1994-95. A sum of Rs.4.80 lakh has been released for the programme including Rs.1.15

lakh during the current terminal year. Results during 1994-95 have further confirmed that 'Pusa Kothar' is the best structure for storage of groundnut seeds. After 22 months of storage period, at the moisture level of 6.7 to 8%, germination ranged between 90 to 98%. Poly propylene bags were found useful for oilseeds storage specially after thorough drying.

5.73 INTRODUCTION OF SOYBEAN IN MUSTARD MONO-CROP AREA

Experiments have shown high yielding entries of soybean i.e. JS 87-59 (2482 kgs/ha), JS 87-28 (2437 kgs/ha), JS 71-05 (2074 kgs/ha) and PK-416 (2072 kgs/ha). JS 71-05 variety has also shown its superiority during last 2-3 years and is fitting well in soybean-mustard sequence. Net return upto Rs.43,778/- has been worked out from soybean- mustard crop sequence as compared to Rs.28,751/ ha. from fallow mustard. It has been decided to demonstrate this variety on cultivators fields prior to mustard.

5.7.4 PERFORMANCE EVALUATION OF COMMERCIALY AVAILABLE OILFILTERS FOR SUNFLOWER

This scheme was approved with a total outlay of Rs.8.85 lakh for 3 years (1992-95). However, first release was made to UAS, Bangalore almost after one year from the date of approval of the scheme due to late receipt of concurrence of the State Govt. As such the programme commenced from 15.1.93. Laboratory scale trials have been completed and a prototype has been developed for removal of wax from sunflower oil. Attempts are being continuing for development of a suitable filter media under chilling condition. More technical parameters are yet to be generated during the extended period of one year.

5.7.5 DECORTICATION AND RECOVERY OF OIL FROM APRICOT NUTS

This programme was approved with an outlay of Rs.5.03 lakh for 2 years (1993-95). Accordingly Oil Technological Research Institute (OTRI), Anantapur (AP) has developed a dual type hand-cum -power operated decorticator having capacity of 60 kg/hr (manual) and 150 kg/hr (power). Almost 100% decortication has been achieved. Cost of the decorticator is Rs.9,000 of dual type and Rs.4,000 for manual type. One wild apricot decorticator has been installed at Naugaon and another is being commissioned at Gopeswar-Chamoli in U.P. Kernels are recovered from the admixture of kernel & shell by using 15% brine solution. Storage behaviour of apricot oil upto 310 days was also studied by OTRI using different types of metallic and plastic containers. Data generated on the storage behaviour indicate that expeller pressed wild apricot oil is highly stable and resistant to auto oxidation.

5.7.6 ON FARM RESEARCH TRIALS OF SUNFLOWER & SOYBEAN

This programme was sanctioned to Narendra Dev University of Agriculture & Technology, Faizabad (NDUA&T) with an outlay of Rs.11.46 lakh for a period of 5 years (1993-98). A sum of Rs.0.45 lakh was released during 1994-95. On station and on farm research trials of soybean have been laid out during kharif and similarly sunflower demonstration have been laid out during rabi with success.

5.7.7 PROMOTION OF SAFFLOWER UNDER RICE BASED CROPPING SYSTEM

Keeping in view the vast potential of safflower under residual moisture after paddy in Chhatisgarh area of M.P., this project was sanctioned to Indira Gandhi Krishi Vishwa Vidyalaya (IGKV), Raipur for 5 years with an outlay of Rs.4.59 lakh inter alia Rs. 1.17 lakh for 1994-95 to work out the technology package. University has laid out experiments for different dates of sowing, varietal/hybrid performances, crop density and intercropping etc.

5.7.8 ENZYMIC DEGUMMING OF VEGETABLE OILS AND FATS

The conventional methods of degumming like water degumming, acid degumming etc. do not give satisfactory results when the oil has large quantity of non hydratable phospholipids. Hence the need exists for exploration of alternate technology. The Indian Institute of Chemical Technology (IICT), Hyderabad approached the Board for financial assistance to conduct these studies. Accordingly an outlay of Rs.17.85 lakh was approved for 3 years (1994-97). The programme envisages isolation, purification of enzymes and their utilization in degumming. Enzyme like phosphatidylcholine and phospholipase-AZ have been isolated from egg lecithine and porcine pancreas and standardised. Crude soybean oil having initial phospholipids content of 1.7% to 1.8% has been degummed by conventional method as well as by enzymatic method using snake venom solution as a phospholipase-AZ source. The removal of phospholipids have been observed to the extent of 95-97% by enzymic method as compared to 85-90% with conventional methods, indicating better performance of enzymic degumming in sunflower and rice bran oil. The study is under way to replace snake venom (toxic) with other non-toxic, cheaper and commercial enzyme.

5.7.9. ALTERNATE TECHNOLOGY FOR REFINING OF OILS AND FATS

An outlay of Rs.9.58 lakh has been approved for this programme for two years (1994-96) to develop the technology by IICT, Hyderabad. Various commercially important oils such as groundnut, sunflower, soybean and rice bran have been refined using a specially treated montmorillonite clay as an absorbent to remove various minor constituents which are traditionally removed by 4 - stage refining technology. Alternate method under the programme involves only two steps. This method is environment friendly as it does not generate effluents. Method is expected to be cheaper as compared to conventional



methods. Phosphorus content in all these oils except solvent extracted sunflower oil has been reduced to less than 5 ppm, which meets the national and international standard. Similarly colour of the oil is drastically reduced below the specifications prescribed for such refined oils. Further related parameters are under evaluation for cost-efficiency.

5.7.10 DEVELOPMENT OF FIBRE SCUTCHING MACHINE FOR LINSEED

To promote dual purpose varieties of linseed for better returns from fibre, H.P. K.V.V Palampur has been provided a sum of Rs.1.40 lakh for development of a prototype fibre scutching machine. Performance evaluation is expected during the extended period of one year.

FINANCES

The Board was provided total funds of Rs. 455.00 lakh as Grants-in-Aid from the Department of Agriculture & Cooperation. Besides an amount of Rs. 30.24 lakh was available as opening balance, Rs. 50.80 lakh were received from States as unspent amount, and Rs. 5.63 lakh remained available as miscellaneous receipts. Accordingly total availability of funds with the Board was Rs. 541.67 lakh for 1994-95.

An amount of Rs.469.78 lakh including Rs. 12.50 lakh for the previous years programmes was utilised towards various developmental programmes and Rs. 66.14 lakh as expenditure on establishment. Rs. 5.75 lakh remained unutilised balance as on 31.3.95.

6.1 ANNUAL ACCOUNTS AND AUDIT REPORT

Income & Expenditure Account, Receipt & Payment Account, Balance Sheet and Audit Certificate alongwith Audit Report are placed at Annexure - VI & VII.



ANNEXURE I

**NATIONAL OILSEEDS AND VEGETABLE OILS
DEVELOPMENT BOARD**

**List of Members of the Board
(As on 31st March, 1995)**

| Relevant Section of NOVOD Board Act. 1983 & Category | Sl. No. | Member | Remarks |
|---|------------|---|-----------------------------|
| (1) | (2) | (3) | (4) |
| Sec.4(4) (a) | 1 | Minister of Agriculture, Government of India. | Chairman Ex-officio |
| I. Officials | | | |
| (a) REP. CENTRAL GOVERNMENT : | | | |
| Sec.4(4) (b) | 2 | Secretary, Agriculture & Cooperation. | Vice-Chairman Ex-officio |
| Sec.4(4) (c) | 3 | Agriculture Commissioner, Deptt. of Agriculture & Co-operation. | Member Ex-officio |

| (1) | (2) | (3) | (4) |
|--------------|-----|--|----------------------|
| Sec.4(4) (d) | 4 | Director General, Indian Council of Agricultural Research. | Member Ex-officio |
| Sec.4(4) (f) | 5 | Vacant (Rep. of Planning Com.) | Member |
| Sec.4(4) (g) | 6 | Vacant (Rep. of Finance Min.) | Member |
| Sec.4(4) (g) | 7 | Vacant (Rep. of Commerce Min.) | Member |
| Sec.4(4) (g) | 8 | Vacant (Rep. of Civil Supp. Min.) | Member |
| Sec.4(4)(h) | 9 | Executive Director, National Oilseeds & Veg. Oils Development Board. | Member Ex-officio |
| Sec.4(4) (i) | 10 | Financial Adviser, Deptt. of Agriculture & Cooperation. | Member Ex-officio |

(b) REP. STATE GOVERNMENTS (11) :

| | | | |
|--------------|----|--------------------------|--------|
| SEC.4(4) (J) | 11 | Vacant (A.P.) | Member |
| SEC.4(4) (J) | 12 | Vacant (Gujarat) | Member |
| SEC.4(4) (J) | 13 | Vacant (Haryana) | Member |
| SEC.4(4) (J) | 14 | Vacant (M.P.) | Member |
| SEC.4(4) (J) | 15 | Vacant (Maharashtra) | Member |
| SEC.4(4) (J) | 16 | Vacant (Karnataka) | Member |
| SEC.4(4) (J) | 17 | Vacant (Orissa) | Member |
| SEC.4(4) (J) | 18 | Vacant (Punjab) | Member |
| SEC.4(4) (J) | 19 | Vacant (Rajasthan) | Member |
| SEC.4(4) (J) | 20 | Secretary, Agric. (T.N.) | Member |
| SEC.4(4) (J) | 21 | Vacant (U.P.) | Member |

| (1) | (2) | (3) | (4) |
|---|-----|---|--------|
| (c) REP. AUTONOMOUS ORG. CONNECTED WITH OILSEEDS & VEGETABLE OILS INDUSTRIES (5) : | | | |
| Sec. 4(4) (k) | 22 | Vacant (State Trading Corporation) | Member |
| Sec.4(4) (k) | 23 | Vacant (National Cooperative Development Corporation) | Member |
| Sec.4(4) (k) | 24 | Vacant (National Dairy Development Board) | Member |
| Sec.4(4) (k) | 25 | Vacant (National Agricultural Cooperative Marketing Federation) | Member |
| Sec.4(4) (k) | 26 | Vacant (National Bank for Agri. & Rural Development) | Member |

II. Non Officials

(a) MEMBERS OF PARLIAMENT (3) :

| | | | |
|--------------|----|------------------------------------|--------|
| Sec.4(4) (e) | 27 | Vacant (Rep. of House of People) | Member |
| Sec.4(4) (e) | 28 | Vacant (Rep. of House of People) | Member |
| Sec.4(4) (e) | 29 | Vacant (REP. OF COUNCIL OF STATES) | Member |

| (1) | (2) | (3) | (4) |
|---|-----|---|--------|
| (b) REP. OILSEEDS GROWERS (3) : | | | |
| Sec.4(4) (1) | 30 | Vacant | Member |
| Sec.4(4) (1) | 31 | Vacant | Member |
| Sec.4(4) (1) | 32 | Vacant | Member |
| (c) REP. EXPORTERS OF OILSEEDS, VEGETABLE OILS (1) : | | | |
| Sec.4(4) (m) | 33 | President, Solvent Extractors Association, Bombay. | |
| (d) REP. VEGETABLE OILS INDUSTRY (1) : | | | |
| Sec.4(4) (n) | 34 | Vacant | Member |
| (e) OTHER INTERESTS (2) : | | | |
| Sec.4(4) (o) | 35 | Sh. O.P.Goel, Chairman SOPA, Indore. | Member |
| Sec.4(4) (o) | 36 | Sh. Sanjeev Nagpal, NASA Engineering Pvt. Ltd., Post Box No.-1, Painchwali Rd., Fazilka, (Punjab). | |



ANNEXURE - II

LIST OF MEMBERS OF THE MANAGING COMMITTEE
(As on 31st March, 1995)

| Sl. No. | Relevant Section of NOVOD Board Act. 1983 & Category | Member | Remarks |
|---------|--|--|----------|
| (1) | (2) | (3) | (4) |
| 1. | 8 (2) (a) | Secretary (A&C) & Vice-Chairman, NOVOD Board. | Chairman |
| 2. | 8 (2) (b) | Agriculture commissioner, Deptt. of Agri. & Coop. | Member |
| 3. | 8 (2) (c) | Director General, Indian Council of Agricultural Research. | Member |
| 4. | 8 (2) (d) | Vacant (Central Govt. Rep.) | Member |
| 5. | 8 (2) (e) | Executive Director NOVOD Board. | Member |
| 6. | 8 (2) (f) | Financial Advisor Deptt. of Agri. & Coop. | Member |
| 7. | 8 (2) (g) | Vacant (State Govt. Rep) | Member |
| 8. | 8 (2) (h) | Vacant (Autonomous Org. Rep.) | Member |
| 9. | 8 (2) (i) | Vacant (Oilseeds Growers' Rep.) | Member |
| 10. | 8 (2) (j) | Vacant (Industry & Others interests Rep.) | Member |



ANNEXURE – III

STAFF POSITION
(As on 31st March, 1995)

| S.No. | POST | SANCTIONED STRENGTH | FILLED | VACANT |
|--------|------------------------------------|------------------------|--------|--------|
| 1. | Executive Director | 1 | 1 | - |
| 2. | Pirector (Production)* | 1 | - | 1 |
| 3. | Secretary | 1 | - | 1 |
| 4. | Deputy Director (s)** | 4 | 1 | 3 |
| 5. | Asstt. Secretary | 1 | 1 | - |
| 6. | Asstt. Director(s) | 4 | 4 | - |
| 7. | Finance & Accounts Officer | 1 | - | 1 |
| 8. | Private Secretary | 1 | - | 1 |
| 9. | Office Assistant | 1 | 1 | - |
| 10. | Accountant | 1 | 1 | - |
| 11. | Steno Gr. 'C' | 1 | 1 | - |
| 12. | Technical Asstt. | 2 | - | 2 |
| 13. | Upper Division Clerk(s) | 2 | 2 | - |
| 14. | Maintenance Supervisor | 1 | - | 1 |
| 15. | Steno Gr. 'D' | 2 | 2 | - |
| 16. | L.D.C.-cum-Typist(s) | 7 | 6 | 1 |
| 17. | Despatch Rider | 1 | 1 | - |
| 18. | Staff Car Driver | 3 | 2 | 1 |
| 19. | Electrician-cum-Generator operator | 1 | - | 1 |
| 20. | Peon-cum-Chowkidar | 3 | 3 | - |
| 21. | Sweeper-cum-Farash | 1 | - | 1 |
| 22. | Mali | 1 | - | 1 |
| 23. | Peon | 1 | - | 1 |
| 24. | Chowkidar | 5 | - | 5 |
| 25. | Beldar-Cum-Hostel Attendant | 1 | - | 1 |
| Total= | | 48 | 26 | 22 |

* Revival under consideration

** 2 posts kept in abeyance.

ANNEXURE-IV**PATTERN OF ASSISTANCE UNDER NOVOD PROGRAMMES
(1994-95)**

| S.No. | COMPONENT | RATE OF ASSISTANCE |
|------------|---|--------------------|
| 1. | <u>PROMOTION OF OILSEEDS IN NEW/NON-TRADITIONAL AREAS /SEASONS</u> | |
| 1.1 | <u>Demonstration</u> | |
| | 50% cost of inputs i.e. only on seeds of improved varieties, fertilizers bio-fertilizer (Rhyz-obium), subject to the maximum limit indicated as here under: - | |
| | i) Sunflower/Safflower | Rs. 500/ha |
| | ii) Sesamum/Castor | Rs. 600/ha |
| | iii) Rapeseed/Mustard | Rs. 750/ha |
| | iv) Groundnut/Soybean | Rs.1,500/ha. |
| | [Only for non-OPP districts.] | |
| 1.2 | <u>Frontline demonstration (on ICAR pattern)</u> | |
| | Safflower, Sunflower | Rs.2,500/ha. |

1.3 Minikits

Only of treated seed of new improved varieties. Minikits should be supplied on 70-90% subsidy subject to maximum as here under: -

| Crop | Quantity (kg) | Area (ha.) | | Maximum Assistance per kit (in Rs.) |
|-------|----------------------|---------------|-----|--|
| i) | Soybean | 75.0 | 1.0 | 1,000.00 |
| ii) | Sesamum | 0.5 | 0.1 | 12.00 |
| iii) | Safflower | 4.0 | 0.2 | 72.00 |
| iv) | Sunflower | | | |
| | (Hybrid) | 1.0 | 0.2 | 100.00 |
| | (Varietal) | 1.0 | 0.2 | 22.00 |
| v) | Rapeseed/ Mustard | 1.0 | 0.2 | 18.00 |
| vi) | Castor | | | |
| | (hybrid) | 1.0 | 0.1 | 40.00 |
| vii) | Niger | 1.0 | 0.2 | 18.00 |
| viii) | Groundnut | 10.0 | 0.1 | 324.00 |

1.4 Assistance on improved farm implements

- (i) Sunflower/multi-crop thresher - 50% cost with ceiling of Rs.10,000/ thresher (revised to 25% cost with ceiling of Rs.6000/ thresher w.e.f. Nov.'94).

| | | |
|--|---|--|
| (ii) Hand gloves | - | 50% cost with ceiling of Rs. 15 per pair (revised to Rs.40 per pair for tribal Areas in Orissa). |
| (iii) Groundnut power decorticator | - | 50% cost with ceiling of Rs. 10,000/decorticator |
| (iv) Seed drill | - | 50% cost with ceiling of Rs.5000/drill. |
| (v) Sprinkler | - | Rs.12,500 per sprinkler |
| (vi) Fabrication of solar drier for groundnut for developmental efforts. | - | 100% assistance |

2. PROMOTION OF NON-TRADITIONAL OILSEEDS

a) Plantation Programme

| | |
|---|-----------------|
| i) Wild apricot (kissan nursery) & Jojoba | Rs. 3.00/ plant |
| ii) Kokum | Rs. 1.25/ plant |
| iii) Ratanjyot, Karanja, Neem & Pilu | Rs. 2.00/ plant |

b) Seed collection programme

Wild apricot nuts, Neem
Karanja, Tumba, pilu
& Mahua

Rs. 2.00/ kg

3. INCENTIVE TO SEED GROWERS

3.1 Castor hybrid

- (i) 50% cost of inputs (only seeds Rs. 550/ha and fertilizers) for the cultivation of male and female lines
- (ii) Ancillary expenditure viz. Rs. 100/ctl. registration, seed certification seed testing etc. and procurement incentive.

3.2 Soybean

Off season seed multiplication Rs. 500/ qtl
on pilot basis.

3.3 Construction of seed storage

- | | |
|-------------------------|-------------------|
| i) Agency | MAHAFED |
| ii) Seed godown | 1 |
| iii) Location | Dhule |
| iv) Capacity | 250 metric tonnes |
| v) Financial assistance | Rs. 10.00 lakh |
| State/ MAHAFED Share | Rs. 5.00 lakh |
| NOVOD Share | Rs. 5.00 lakh |

4. PROCESSING

EXTRACTION OF WILD APRICOT OIL

| S.N | Component | Amount |
|-----|---|---------------|
| o. | | (Rs. in lakh) |
| 1. | Installation of power decorticator | 0.20 |
| 2. | Cost of processing unit with Installation charges | 1.80 |
| | Total | 2.00 |

5. PUBLICATION

100% assistance on need basis

6. TRAINING PROGRAMMES

As per norms of Directorate of Extension (DAC)

And need based

7. RESEARCH

100% assistance on need basis

STATEWISE
PHYSICAL AND FINANCIAL PROGRESS UNDER NOVOD PROGRAMMES
(1994-95)

A. Production Programmes etc.

| S.N. | State | Organi- sation | Crop/plant | Progra- mme | Physical | | Financial | | State Total | | | | |
|-----------|----------------|-------------------|---------------------------|-------------------|----------|---------|---------------|--------------|---------------|--------------|--------------|--------------------|-------|
| | | | | | (T) | (A) | Out- lay | Rel- ease | Out- lay | Uns- pent | Rel- ease | | |
| | | | | | | | (Rs. in lakh) | | (Rs. in lakh) | | | | |
| 1 | Andhra Pradesh | SDA | Soybean | M | 5000 | 4097 | 50.00 | 46.92 | | | | | |
| | | | | FD | 5 | 5 | 0.50 | 0.50 | | | | | |
| | | | Sunflower | M. | 5000 | 4416 | 3.75 | 2.50 | | | | | |
| | | | | Th | 50 | P.A. | 5.00 | 5.00 | | | | | |
| | | | | D | 600 | 230 | 3.60 | 1.38 | | | | | |
| | | | | M | 600 | N.I. | 0.24 | 0.00 | | | | | |
| | | | | FD | 2 | 1 | 0.20 | 0.10 | | | | | |
| | | | | Dev. Of Seed Farm | | | | 6.24 | 6.24 | | | | |
| | | | ISOR Publ. Of proceedings | | | | 0.50 | 0.50 | 70.03 | 0.00 | 63.14 | | |
| | | | 2 | Arunachal Pradesh | SDA | Soybean | M | 400 | 400 | 4.00 | 4.00 | 3.50 ^{@@} | |
| FD | 4 | 4 | | | | | 0.40 | 0.40 | | | | | |
| Sunflower | D | 200 | | | | 200 | 1.00 | 1.00 | | | | | |
| | M | 500 | | | | 500 | 0.06 | 0.06 | | | | | |
| | FD | 1 | | | | 1 | 0.10 | 0.10 | 6.86 | 0.50 | 6.36 | | |
| 3 | Assam | SDA | Groundnut | D | 800 | 400 | 12.00 | 6.00 | | | | | |
| | | | | M | 6000 | 6000 | 19.44 | 15.06 | | | | | |
| | | | Soybean (R/S) | FD | 12 | N.I. | 1.20 | 0.00 | | | | | |
| | | | | M | 1400 | 747 | 14.00 | 7.47 | | | | | |
| | | | | & M | 10,000 | 10,000 | 1.80 | 1.80 | | | | | |
| | | | Mustard | M | Sesamum | 5000 | N.I. | 0.60 | 0.00 | | | | |
| | | | | | (White) | | | | | | | | |
| | | | Niger | M | 10,000 | 10,000 | 1.80 | 1.80 | | | | | |
| | | | ASC | Dev. Of Seed Farm | | | | | 11.74 | 9.11 | 62.58 | 6.84 | 41.24 |

| S.N. | State | Organi- sation | Crop/plant | Progra- mme | Physical | | Financial | | State Total | | |
|------|-------------------|-------------------|--------------------------------|------------------------|----------|----------|------------------------------|-------------------|-------------|--------------|--------------|
| | | | | | (T) | (A) | Out- lay (Rs. in lakh) | Rel- ease | Out- lay | Uns- pent | Rel- ease |
| 4 | Goa | SDF | <u>Kokum</u> Nursery (nos.) | | 1,00,000 | 1,00,000 | 1.25 | 1.25 | | | |
| | | | Plantation (Nos.) | | 1,00,000 | N.I. | 1.25 | 0.00 | 2.50 | 0.00 | 1.25 |
| 5 | GUJCOMASOL | Castor HYV Prod | GCH-4 | Ar. | 500 | 500 | 2.75 | 2.75 | | | |
| | | | | P | 5000 | 2130 | 5.00 | 2.29 | | | |
| | | GSSC | GCH-4 | Ar | 750 | 750 | 4.12 | 0.00 [@] | | | |
| | | | | P | 5875 | 2128 | 5.88 | 0.00 [@] | | | |
| | | VMA- VORDI | Soybean | M | 320 | 320 | 3.20 | 3.20 | | | |
| | | | | SM | 360 | PA | 1.80 | 0.90 | 2275 | 8.17 | 9.14 |
| 6 | Haryana | SDA | Soybean | M | 1000 | NI | 10.00 | 0.00 | | | |
| | | | | FD | 6 | N.I. | 0.60 | 0.00 | | | |
| | | | Sunflower | M | 10,000 | 2257 | 7.50 | 7.50+ | | | |
| | | | | Th | 100 | N.I. | 10.00 | 10.00+ | | | |
| | | | | FD | 4 | N.I. | 0.40 | 0.40 | | | |
| | | VMA VORDI | Sunflower | D | 100 | 100 | 0.50 | 0.25 | | | |
| | | | Soybean | SM | 40 | PA | 0.20 | 0.10 | 29.20 | 0.00 | 18.25 |
| 7 | Jammu & Kashmir | SDA | Sunflower | D | 200 | 8 | 1.00 | 0.55 | | | |
| | | | | FD | 1 | N.I. | 0.10 | 0.00 | 3.00 | 0.00 | 1.50 |
| | | | Sesamum | D | 300 | 95 | 1.80 | 0.95 | | | |
| | | | | FD | 1 | N.I. | 0.10 | 0.00 | 300 | 0.00 | 1.50 |
| 8 | Karnataka | SDA | Sunflower | Th | 150 | 150 | 13.00 | 13.00 | 13.00 | 0.00 | 13.00 |
| 9 | Madhya Pradesh ++ | SDA | Sunflower | D | 8000 | 3177 | 40.00 | 0.00 | | | |
| | | | | M | 12000 | 5036 | 8.64 | 0.00 | | | |
| | | | | HG | 12000 | 2548 | 1.80 | 0.00 | | | |
| | | | | Th | 50 | 63 | 5.00 | 0.00 | | | |
| | | | | Rt | 3 | 1 | 0.75 | 0.00 | | | |
| | | | | FD | 10 | P.A. | 1.00 | 0.00 | | | |
| | | | Sunflower | M | 10,000 | 5840 | 10.00 | 0.00 | | | |
| | | JNKVV | Safflower | FLD | 200 | 200 | 5.30 | 3.32 | | | |
| | | SOPA | Safflower | Tripartite Training | | N.I. | 0.99 | 0.00 | 73.48 | 2.52 | 3.32 |
| 10 | Maharatra | SDA | Rapeseed Mustard | & M | 6250 | 6225 | 1.13 | 1.13 | | | |
| | | | Groundnut | M | 588 | 440 | 1.91 | 1.90 | | | |
| | | | | Rt | 10 | N.I. | 1.20 | 1.20 [@] | | | |
| | | | | M | 6000 | 4210 | 0.72 | 0.72 | | | |
| | | | Sunflower | Th | 100 | 120 | 10.00 | 10.00 | | | |
| | | MAHAFED | Groundnut | HPS D | 300 | 300 | 4.50 | 4.50 | | | |
| | | | | Dct | | | | | | | |
| | | | Sunflower | M | 2000 | 2000 | 1.50 | 1.50 | | | |
| | | | | Th | 50 | 50 | 5.00 | 5.00 | | | |
| | | | Women farmer's study tour | | 100 | 101 | 0.78 | 0.78 | 29.23 | 0.00 | 29.23 |

| S.N. | State | Organi- sation | Crop/plant | Progra- mme | Physical | | Financial | | State Total | | | |
|------|----------|-------------------|--------------------------|----------------|----------|------|------------------------------|-------------------------------|-------------|--------------|--------------|-------|
| | | | | | (T) | (A) | Out- lay (Rs. in lakh) | Rel- ease (Rs. in lakh) | Out- lay | Uns- pent | Rel- ease | |
| 11 | Manipur | MEHPDS | Soybean | M | 450 | 410 | 4.50 | 1.69 [@] | 15.59 | 4.60 | 10.69 | |
| | | | | FD | 3 | 3 | 0.30 | 0.30 | | | | |
| | | MVAIL | Sunflower | M | 3000 | N.I. | 0.66 | 0.00 | | | | |
| | | | | FD | 3 | 3 | 0.30 | 0.00 [@] | | | | |
| | | | Sunflower | D | 200 | 247 | 1.00 | 1.00 | | | | |
| | | | | M | 1000 | 1020 | 0.75 | 0.75 | | | | |
| | | | Rapeseed & Mustard | FD | 1 | 1 | 0.10 | 0.10 | | | | |
| | | | | D | 1000 | 1040 | 7.50 | 6.37 | | | | |
| | | | | M | 1000 | 1100 | 0.18 | 0.18 | | | | |
| | | | | FD | 3 | 3 | 0.30 | 0.30 | | | | |
| 12 | Mizoram | SDA | Soybean | M | 750 | 750 | 7.50 | 6.15 | 11.70 | 0.00 | 10.35 | |
| | | | | D | 100 | 60 | 0.50 | 0.50 | | | | |
| | | | Rapeseed & Mustard | M | 500 | P.A. | 0.11 | 0.11 | | | | |
| | | | | & D | 500 | 500 | 3.50 | 3.50 | | | | |
| | | | | M | 500 | 500 | 0.09 | 0.09 | | | | |
| 13 | Nagaland | SDA | Soybean | M | 1500 | 1500 | 15.00 | 15.00 | 73.45 | 0.00 | 73.42 | |
| | | | | FD | 7 | 7 | 0.50 | 0.50 | | | | |
| | | | Sesamum (white) | D | 600 | 600 | 3.60 | 3.60 | | | | |
| | | | | FD | 4 | 4 | 0.30 | 0.03 | | | | |
| | | | Rapeseed & Mustard | & D | 1500 | 1500 | 11.25 | 11.25 | | | | |
| | | | | M | 2000 | 2000 | 0.36 | 0.36 | | | | |
| | | | Sunflower, Soybean & R/M | FD | 3 | 3 | 0.30 | 0.30 | | | | |
| | | | | TT | 140 | 145 | 2.06 | 2.06 | | | | |
| | | | -do- Sunflower | FT | 700 | 1000 | 3.64 | 3.64 | | | | |
| | | | | D | 3000 | 3000 | 15.00 | 15.00 | | | | |
| | | | NGA | Soybean | M | 5875 | 6000 | 11.75 | | | | 11.75 |
| | | | | | FT | 7000 | 7000 | 7.00 | | | | 7.00 |
| | | | | | FD | 7 | 7 | 0.70 | | | | 0.70 |
| | | | | | M | 100 | 100 | 1.00 | | | | 1.00 |
| | | | | | M | 250 | 250 | 0.06 | | | | 0.06 |
| | | | Sunflower | M | 250 | 250 | 0.81 | 0.81 | | | | |
| | | | | M | 250 | N.I. | 0.03 | 0.00 | | | | |
| & M | 500 | 500 | | 0.09 | 0.09 | | | | | | | |
| 14 | Orissa | Oil Orissa | Groundnut | Dct | 25 | P.A. | 2.50 | 1.00 | 21.97 | 43.65 | 7.17 | |
| | | | | Spr | 50 | 6 | 6.25 | 1.25 | | | | |
| | | | Safflower | D | 1000 | 585 | 5.00 | 2.63 | | | | |
| | | | | M | 1000 | 500 | 0.72 | 0.36 | | | | |
| | | | | Th | 5 | P.A. | 0.50 | 0.50 | | | | |
| | | OSSC | Sunflower | HG | 1000 | P.A. | 0.40 | 0.40 | | | | |
| | | | | D | 900 | 123 | 4.50 | 0.61 | | | | |
| | | | Groundnut | Sdr | 5 | 1 | 2.10 | 0.42 | | | | |

| S.N. | State | Organi- sation | Crop/plant | Progra- mme | Physical | | Financial | | State Total | | | | | |
|------|---------------|-------------------|----------------------|------------------------------|---------------|----------|-------------|--------------|---------------|--------------|--------------|-------|--|--|
| | | | | | (T) | (A) | Out- lay | Rel- ease | Out- lay | Uns- pent | Rel- ease | | | |
| | | | | | (Rs. in lakh) | | | | (Rs. in lakh) | | | | | |
| 15 | Punjab | SDA | Sunflower | M | 7000 | 6629 | 5.25 | 5.25 | | | | | | |
| | | | | Th | 138 | 239 | 12.25 | 12.25 | | | | | | |
| | | PAIC | Soybean | M | 800 | 779 | 8.00 | 7.79 | | | | | | |
| | | | | SD | 6 | N.I. | 0.30 | 0.00 | | | | | | |
| | | | | FD | 5 | 5 | 0.50 | 0.50 | | | | | | |
| IVPA | Sunflower | D | 800 | 191 | 1.50 | 0.75 | 27.80 | 0.00 | 26.54 | | | | | |
| 16 | Rajasthan | SDA | Plantation (Nos.) | | | | | | | | | | | |
| | | | | Ratanjyot | | 1,00,000 | 85,000 | 2.00 | 1.70 | | | | | |
| | | | | Jojoba | | 1,00,000 | N.I. | 3.00 | 0.00 | | | | | |
| | | | | Karanja | | 50,000 | 38,000 | 1.00 | 0.76 | | | | | |
| | | | | <u>Seed collection (Qts)</u> | | | | | | | | | | |
| | | | | Neem | | 15,000 | 12,210 | 30.00 | 21.64 | | | | | |
| | | | | Karanja | | 1500 | 970 | 3.00 | 1.93 | | | | | |
| | | | | Tumba | | 3000 | 4800 | 6.00 | 6.00 | | | | | |
| | | | | Pilu | | 500 | 1160 | 1.00 | 1.00 | 46.00 | 0.79 | 33.03 | | |
| | | | | | | | | | | | | | | |
| 17 | Tripura | SDA | Groundnut | D | 500 | 500 | 7.50 | 7.50 | | | | | | |
| | | | | M | 1000 | 1000 | 3.24 | 2.96 | | | | | | |
| | | | | FD | 2 | P.A. | 0.20 | 0.20 | | | | | | |
| | | | | Sesamum | D | 500 | 500 | 3.00 | 3.00 | 13.94 | 0.00 | 13.66 | | |
| 18 | Uttar Pradesh | SDA | Soybean | M | 1600 | 82 | 16.00 | 0.82 | | | | | | |
| | | | | Sunflower | D | 3600 | 3600 | 18.00 | 18.00 | | | | | |
| | | | | | Th | 60 | 60 | 6.00 | 6.00 | | | | | |
| | | | | | BH | 500 | P.A. | 4.00 | 3.42 | | | | | |
| | | | | | FD | 12 | 12 | 0.60 | 0.60 | | | | | |
| | | CSAU | Sunflower | FLD | 300 | 189 | 7.50 | 4.72 | | | | | | |
| | | | | D | 600 | P.A. | 3.00 | 1.50 | | | | | | |
| | | | | M | 1000 | P.A. | 1.00 | 0.50 | | | | | | |
| | | | | FD | 1 | P.A. | 0.10 | 0.05 | | | | | | |
| | | | | IVPA | Sunflower | D | 160 | 92 | 0.80 | 0.40 | | | | |
| | | | | VMA-VORDI | Sunflower | D | 60 | 60 | 0.30 | 0.15 | | | | |

| S.N. | State | Organi- sation | Crop/plant | Progra- mme | Physical | | Financial | | State Total | | | | | | | | | | |
|------|-------|-------------------|--------------------------------------|----------------|----------|----------|-------------|--------------|-------------------|--------------|--------------|---------------|--|--|--|--|--|--|--|
| | | | | | (T) | (A) | Out- lay | Rel- ease | Out- lay | Uns- pent | Rel- ease | (Rs. in lakh) | | | | | | | |
| | | HARC | <u>Wild Apricot</u> | | | | | | | | | | | | | | | | |
| | | | Kisan Nurseries (Nos.) | | | 1,50,000 | 1,50,000 | 450 | 1.06 [@] | | | | | | | | | | |
| | | | Seed collection (Qtl) | | | 500 | 400 | 1.00 | 0.80 | | | | | | | | | | |
| | | | Decortication & Extrac | | | 1 | 1 | 2.00 | 1.80 | | | | | | | | | | |
| | | | NTO Booklets | | | 2 | 2 | 1.00 | 0.90 | | | | | | | | | | |
| | | | NTO Video films | | | 6 | 6 | 3.80 | 3.44 | | | | | | | | | | |
| | | | Special awareness (NTO) POL/Trg. | | | - | - | 0.50 | 0.29 | | | | | | | | | | |
| | | DGSM | <u>Wild Apricot</u> | | | | | | | | | | | | | | | | |
| | | | Kisan Nurseries (Nos.) | | | 1,00,000 | 1,00,000 | 3.00 | 1.50 | | | | | | | | | | |
| | | SDA | Seed Collection (Qts) | | | | | | | | | | | | | | | | |
| | | | | Neem | 2000 | 178 | | 4.00 | 0.35 | | | | | | | | | | |
| | | | | Mahua | 1500 | N.I. | | 3.00 | 0.00 | 80.10 | 4.00 | 46.30 | | | | | | | |
| | | SDA | Groundnut | D | 1500 | P.A.~ | | 22.50 | 8.65 | | | | | | | | | | |
| | | | | M | 1000 | P.A. | | 3.24 | 1.62 | | | | | | | | | | |
| | | | | FD | 2 | P.A.~ | | 0.20 | 0.10 | | | | | | | | | | |
| | | | Sunflower | D | 500 | P.A. | | 2.50 | 1.25 | | | | | | | | | | |
| | | | | FD | 1 | P.A.~ | | 0.10 | 0.05 | | | | | | | | | | |
| | | | <u>Groundnut</u> | | | | | | | | | | | | | | | | |
| | | | SMS Training | | 1 | P.A.~ | | 0.520 | 0.10 | | | | | | | | | | |
| | | | Farmers visit to traditional area | | 240 | P.A. | | 0.50 | 0.25 | 29.24 | 2.60 | 12.02 | | | | | | | |
| | | Total (A) | | | | | | | | 632.42 | 73.67 | 419.61 | | | | | | | |

* Utilised during 1994-95; ** Rs. 2.99 lakh has been utilised during 1994-95; + State has been requested for refund; ++ funds could not be released due to late receipt of progress report; @ Amount would be adjusted during next year; @@ Adjusted from unspent balance of 1993-94.

(Note: Physical units are indicated vide Annexure- VIII for abbreviations)

B. Ongoing research programmes for 1994-95

| | | | | (Rs. in lakh) | |
|------------------|---|--------------|-------------|----------------------|---------|
| S.N. | SCHEME | OUTLAY | UNSPENT | RELEASE | BALANCE |
| 1. | Development of '0-0' varieties of rapeseed mustard (TERI, Delhi). | 20.69 | - | 20.69 | |
| 2. | Development of safe storage technology for oilseeds (groundnut) (IARI, Delhi). | 2.50 | - | 1.15 | |
| 3. | Introduction of soybean as kharif crop (JNKVV, Gwalior). | 0.85 | 0.23 | 0.62 | |
| 4. | Performance evaluation of commercially available oil filters for sunflower (UAS, Bangalore). | 1.97 | 4.16 | 1.37 | |
| 5. | Decortication of wild apricot nuts (OTRI, Anantpur). | 2.46 | 1.15 | 1.51 | |
| 6. | On farm research demonstration of sunflower and soybean in Eastern U.P. (NDUA & T, Faizabad). | 2.09 | 0.06 | 0.45 | |
| 7. | Promotion of safflower under rice based cropping system (IGKVV, Raipur). | 1.17 | - | 0.58 | |
| 8. | Enzymic degumming of vegetable oils & fats (IICT, Hyderabad). | 9.35 | - | 6.64 | |
| 9. | Alternate technology for the refining of oils & fats (IICT, Hyderabad). | 4.20 | - | 3.26 | |
| 10. | Dev. Of fibre scotching machine for linseed (H.P.K.V.V., Palampur) | 1.40 | - | 1.40 | |
| Total (B) | | 46.68 | 5.60 | 37.67 | |

(C) Releases for the previous years during 1994-95

| (Rs. in lakh) | | | |
|----------------------|-----------------------|---|------------------------|
| S.N. | STATE | SCHEME/YEAR | RELEASE DURING 1994-95 |
| 1 | Gujarat (GUJCOMASOL) | Production of castor hybrid seed (1993-93) | 1.00 |
| 2 | Jammu & Kashmir (SDA) | Sesamum (1993-94) | 0.29 |
| 3 | Mizoram (SDA) | Soybean (1993-94) | 0.95 |
| 4 | Tripura (SDA) | Rabi-Summer groundnut (1993-94) | 2.74 |
| 5 | U.P. (CSAU) | Sunflower (1992-94) | 5.21 |
| 6 | ICAR (MPKV & GAU) | Micro Irrigation system (1992-94) | 0.27 |
| 7 | TERI | Dev. of '0-0' variety of Rapeseed & Mustard (1992-94) | 2.04 |
| Total | | | 12.50 |
| Grand total (A+B+C+) | | | 469.78 |

STATEWISE OUTLAY & RELEASE –SUMMARY
(1994-95)

| S.No. | STATE/ORGANISATION | OUTLAY | UNSPENT BALANCE | RELEASE |
|-------|----------------------------------|--------|-----------------|---------|
| A. | <u>PRODUCTION PROGRAMMES ETC</u> | | | |
| 1 | ANDHRA PRADESH | 70.03 | 0.00 | 63.14 |
| 2 | ARUNACHAL PRADESH | 6.68 | 0.50 | 6.36 |
| 3 | ASSAM | 62.58 | 6.84 | 41.24 |
| 4 | GOA | 2.50 | 0.00 | 1.25 |
| 5 | GUJARAT | 22.75 | 8.17 | 9.14 |
| 6 | HARYANA | 29.20 | 0.00 | 18.25 |
| 7 | JAMMU & KASHMIR | 3.00 | 0.00 | 1.50 |
| 8 | KARNATAKA | 13.00 | 0.00 | 13.00 |
| 9 | MADHYA PRADESH | 73.48 | 2.52 | 3.32 |
| 10 | MAHARASHTRA | 29.23 | 0.00 | 29.23 |

| S.No. | STATE/ORGANISATION | OUTLAY | UNSPENT BALANCE | RELEASE |
|--|-----------------------|--------|--------------------|---------|
| 11 | MANIPUR | 15.59 | 4.60 | 10.69 |
| 12 | MIZORAM | 11.70 | 0.00 | 10.35 |
| 13 | NAGALAND | 73.45 | 0.00 | 73.42 |
| 14 | ORISSA | 21.97 | 43.65* | 7.17 |
| 15 | PUNJAB | 27.80 | 0.00 | 26.54 |
| 16 | RAJASTHAN | 46.00 | 0.79 | 33.03 |
| 17 | TRIPURA | 13.94 | 0.00 | 13.66 |
| 18 | UTTAR PRADESH | 80.10 | 4.00 | 46.30 |
| 19 | WEST BENGAL | 29.24 | 2.60 | 12.02 |
| | TOTAL (1-19) | 632.42 | 73.67 | 419.61 |
| B. <u>ONGOING RESEARCH PROGRAMMES</u> | | | | |
| 20 | TERI | 20.69 | 0.00 | 20.69 |
| 21 | IARI | 2.50 | 0.00 | 1.15 |
| 22 | JNKVV, Gwalior | 0.85 | 0.23 | 0.62 |
| 23 | UAS, Bangalore | 1.97 | 4.16 | 1.37 |
| 24 | OTRI | 2.46 | 1.15 | 1.51 |
| 25 | NDUA&T | 2.09 | 0.06 | 0.45 |
| 26 | IGKVV, Raipur | 1.17 | 0.00 | 0.58 |
| 27 | IICT, hyderabad | 13.55 | 0.00 | 9.90 |
| 28 | HPKVV | 1.40 | 0.00 | 1.40 |
| | TOTAL (20-28) | 46.68 | 5.60 | 37.67 |
| * Refund is expected shortly. | | | | |
| C. <u>RELEASE AGAINST PREVIOUS YEARS PROGRAMMES</u> | | | | |
| 29 | GUJCOMASOL | | | 1.00 |
| 30 | ICAR | | | 0.27 |
| 31 | JAMMU & KASHMIR (SDA) | | | 0.29 |
| 32 | MIZORAM (SDA) | | | 0.95 |
| 33 | TRIPURA (SDA) | | | 2.74 |
| 34 | U.P. (CSAU) | | | 5.21 |
| 35 | TERI | | | 2.04 |
| | TOTAL(29-35) | | | 12.50 |
| | GRAND TOTAL | 679.16 | 79.26 | 469.78 |

[As on 31.3.1995]

* Out of Rs. 79.26 a sum of Rs. 32.07 lakh has been utilised during 1994-95. Refund of remaining amount is being expedited.

ANNEXURE –VI

NATIONAL OILSEEDS AND VEGETABLE OILS DEVELOPMENT BOARD

RECEIPT AND PAYMENT ACCOUNTS FOR THE YEAR ENDING 31ST MARCH. 1995

| RECEIPTS | | Amount (Rs.) | PAYMENTS | | AMOUNT (Rs.) |
|----------|---|----------------|----------|---|----------------|
| 1. | Balance with Banks | | (B) | Plan Expenditure | |
| a) | C.B.I. NEW DELHI | 29,07,426.00 | 1 | Administration | |
| b) | C.B.I. GURGAON | 1,01,156.25 | 1. | Pay of Officers | 6,74,851.00 |
| c) | I.O.B. NEW DELHI | 1,080.08 | 2. | Pay of Establishment | 7,06,148.00 |
| d) | C.B.I. MARUTI | 252.00 | 3. | Allowances/ Honorarium | 1,41,720.00 |
| e) | Cash in Hand Head quarters | 14,010.23 | 4. | Wages | 1,74,017.00 |
| | Regional offices | - | 5. | Contingency/Office Expenses | 16,62,983.50 |
| | Imprest Balances | - | 6. | Rent. Rates & Taxes | 1,99,627.00 |
| | | 30,23,924.56 | 7. | Other charge | 37,60.2.00 |
| 2 | Grants received from Central Government | | 8. | Travel Expenses | 2,41,102.00 |
| a) | Plan | 3,85,00,000.00 | 9. | Loans & Advances | 8,03,163.00 |
| b) | Establishment Expenditure | 70,00,000.00 | 10. | Payment of E.P.F. Account | 1,620.00 |
| | | 4,55,00,000.00 | 11. | Construction of office complex including grills | 5,66,418.00 |
| | Recovery of Advances | | 12. | Furniture & Furnishing | 20,656.00 |
| i) | House Building Advance | - | 13. | Office equipment's | 5,11,904.00 |
| ii) | Conveyance advance | 12,559.00 | 14. | Purchase of Vehicles | 6,75,667.79 |
| iii) | Festival advance | 6,060.00 | 15. | Books | 31,096.00 |
| iv) | Other advance: | | II. | Development | 4,11,10,332.00 |
| a. | Imprest A/c | 34,643.00 | III. | Improvement of Marketing facilities | - |
| b. | LTC advance | 1,400.00 | IV | Extension Activities | 18,96,000.00 |
| c. | Sundry parties | 7,841.00 | V | Statistics | - |
| v) | Suspense payment recoverable | - | VI | Research | 39,71,569.00 |
| | | 62,508.00 | VII | Works | - |
| (A) | Non- Plan Expenditure | | VIII | Provident Fund/Pension/ Leave Salary contribution | 1,65,968.00 |
| | | | 16. | By closing balance with banks | ... |
| | | | i. | C.B.I. Gurgaon | 4,72,971.97 |
| | | | ii. | C.B.I. New Delhi | 30,514.00 |

| RECEIPTS | | | AMOUNT (Rs.) | PAYMENTS | | AMOUNTS (Rs.) |
|----------|--|-------------|--|----------|------------------------|--|
| 4. | Interest of Loans | 12,850.00 | 12,850.00 | iii. | S.B.I.GURGAON | 67,142.50 5,70,628.47 |
| 5 | Sundry Payments recoverable | - | - | 17. | Cash in hand | |
| 6 | Sale of vehicles | 1,16,569.00 | 1,16,569.00 | i) | Head quarters | 4,663.23 |
| 7. | Income from farms/ Demonstration centres | - | | ii) | Regional Offices | -- |
| 8. | Miscellaneous Receipts | | | | | |
| i) | Subsidy on Solar Water Heating system | 40,000.00 | | | | |
| ii) | Earnest money Deposits | 14,350.00 | | | | |
| iii) | Miscellaneous Receipts | 3,876.00 | | | | |
| iv) | Conveyance Deductions | 8,095.00 | | | | |
| v) | Rent Received | 1,01,714.28 | | | | |
| vi) | Interest on Deposits | 2,03,679.10 | | | | |
| | | | 3,71,714.38 | | | |
| 9. | Unspent Balances Against previous year schemes | | 50,79,875.05 | | | |
| | | | 5,41,67,435.99 | | | 5,41,67,435.99 |
| | | | Sd/- (M.P. GUPTA) ASSTT. SECRETARY | | | SD/- Dr. (R.L. RAJAK) EXECUTIVE DIRECTOR |

NATIONAL OILSEEDS AND VEGETABLE OILS DEVELOPMENT BOARD

DETAILS OF OFFICE EXPENSES, OTHER CHARGES AND LOANSFOR THE YEAR ENDING 31ST MARCH, 1995

| S.No. | PARTICULARS | AMOUNTS (Rs.) |
|-------|-------------------------------------|--------------------------|
| I. | <u>OFFICE EXPENSES</u> | |
| 1. | Maintenance of Office Equipments | 2,15,697.00 |
| 2. | General Maintenance | 16,289.00 |
| 3. | Maintenance of Motor Vehicles | 2,42,364.00 |
| 4. | Maintenance of Building | 54,853.00 |
| 5. | Medical expenses | 92,954.00 |
| 6. | Membership Fee & Subscription | 6,045.00 |
| 7. | Maintenance of Leased Accommodation | 724.00 |
| 8. | Conveyance | 16,943.00 |
| 9. | Audit Fee | 13,785.00 |
| 10. | Magazines & Periodicals | 13,868.00 |
| 11. | Bank charges | 12,863.50 |
| 12. | Stationery | 2,37,906.00 |
| 13. | Consultancy charges | 5,300.00 |
| 14. | Research & Development | 600.00 |
| 15. | Hospitality & Entertainment | 38,719.00 |
| 16. | Horticulture Expenditure | 27,960.00 |
| 17. | Hindi Translation & Typing | 504.00 |
| 18. | Insurance | 22,077.00 |
| 19. | Liveries & Uniforms | 4,536.00 |
| 20. | POL | 4,29,367.00 |
| 21. | Postage | 14,139.00 |
| 22. | Printing | 82,898.00 |
| 23. | Maintenance of photocopy | 26,290.00 |
| 24. | Publicity & Advertisement | 39,215.00 |
| 25. | Prize distribution | 3,400.00 |
| 26. | Telephone Bills | 2,86,836.00 |
| 27. | Transportation | 2,030.00 |
| 28. | Training & Recreation | 2,600.00 |
| 29. | Meetings & Seminars | 51,908.00 |
| 30. | Washing charges | 2,004.00 |
| | | <hr/> 16,62,683.50 <hr/> |

| S.No. | PARTICULARS | AMOUNTS (Rs.) |
|-------|--|--------------------|
| II. | <u>OTHER CHARGES</u> | |
| 1. | Security deposit Refunded | 30,382.00 |
| 2. | Deposit for Global information retrieval Plant | 5,000.00 |
| 3. | Legal Expenses | 2,220.00 |
| | | <u>37,602.00</u> |
| III. | <u>LOANS</u> | |
| 1. | Festival Advance | 5,400.00 |
| 2. | L.T.C. Advance | 89.00 |
| 3. | Imprest | 8,939.00 |
| 4. | TA/DA Advance | 1,232.00 |
| 5. | T.T.A. Advance | 2,200.00 |
| 6. | Advances to parties: | |
| i) | Oxford Books & Stationers | 100.00 |
| ii) | Network Ltd. | 63,293.00 |
| iii) | A.K. Typewriters | 12,308.00 |
| iv) | Modi Xerox Ltd. | 1,66,841.00 |
| v) | Super Bazar Coop. Store | 2,02,659.00 |
| vi) | Kendriya Bhandar | 45,836.00 |
| vii) | Siddh Offset | 59,500.00 |
| viii) | M.O.I. Engineering Ltd. | 2,34,766.00 |
| | | <u>8,03,163.00</u> |

Sd/-
(M.P. GUPTA)
ASSTT. SECRETARY

Sd/-
Dr. (R.L. RAJAK)
EXECUTIVE DIRECTOR

SCHEDULE -I

NATIONAL OILSEEDS AND VEGETABLE OILS DEVELOPMENT BOARD

MISCELLANEOUS RECEIPTS

| <u>PARTICULARS</u> | | <u>As on 31.3.95</u> |
|--------------------------|---------------------------------------|----------------------|
| i) | Rent Received | 1,01,714.28 |
| ii) | Interest from Bank | 2,03,679.10 |
| iii) | Conveyance deductions | 8,095.00 |
| iv) | Subsidy on Solar water heating system | 40,000.00 |
| | | 3,53,488.38 |
| I. SALARY | | |
| i) | Officers Salary | 7,34,226.00 |
| ii) | Staff Salary | 7,69,177.00 |
| | | 15,03,403.00 |
| II. OTHER CHARGES | | |
| i) | Legal Expenses | 2,220.00 |
| ii) | Hindi Translation/Typing | 504.00 |
| iii) | Washing Charges | 1,004.00 |
| | | 3,728.00 |

Sd/-
(M.P. GUPTA)
ASSTT. SECRETAR

Sd/-
Dr. (R.L. RAJAK)
EXECUTIVE DIRECTOR

SCHEDULE -II

NATIONAL OILSEEDS AND VEGETABLE OILS DEVELOPMENT BOARD

OFFICE EXPENSES

| PARTICULARS | As on 31.3.95 |
|--|---------------|
| 1. Maintenance of Office Equipment | 1,15,697.00 |
| 2. General Maintenance | 16,289.00 |
| 3. Maintenance of Motor Vehicles | 1,42,364.00 |
| 4. Maintenance of Building | 54,853.00 |
| 5. Medical Expenses | 92,954.00 |
| 6. Membership Fee & Subscription | 6,045.00 |
| 7. Maintenance of Leased Accommodation | 724.00 |
| 8. Conveyance | 17,452.00 |
| 9. Audit Fees | 13,785.00 |
| 10. Magazines & Periodicals | 14,329.00 |
| 11. Bank charges a/c | 12,863.50 |
| 12. Stationery a/c | 2,37,906.00 |
| 13. Consultation charges | 5,300.00 |
| 14. Research & development | 600.00 |
| 15. Hospitality & Entertainment | 38,719.00 |
| 16. Horticulture Expenses | 27,960.00 |
| 17. Liveries & Uniforms | 4,536.00 |
| 18. POL | 4,69,101.00 |
| 19. Postage | 14,139.00 |
| 20. Printing | 82,898.00 |
| 21. Photocopies maintenance | 26,290.00 |
| 22. Publicity & Advertisement | 40,037.00 |
| 23. Prize Distribution | 3,400.00 |
| 24. Telephone Bills | 1,86,836.00 |
| 25. Transportation | 1,030.00 |
| 26. Training & Recreation | 2,600.00 |
| 27. Meeting & Seminar | 51,908.00 |
| | 16,80,615.20 |

Sd/-

(M.P. GUPTA)

ASSTT. SECRETARY

Sd/-

Dr. (R.L. RAJAK)
EXECUTIVE DIRECTOR

NATIONAL OILSEEDS AND VEGETABLE OILS DEVELOPMENT BOARD

BALANCE SHEET AS ON 31.3.95

| Liabilities | Schedule | Figure for current year | Assets | Schedule | Figure for current year |
|---|----------|-------------------------|-----------------------------|----------|-------------------------|
| <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> |
| <u>Loan From Central Govt.</u> | | - | Closing Balance | | - |
| Staff Provident fund and interest | | 2,53,139.00 | Permanent Advance | | - |
| Provision for Pension A/c | | 1,65,968.00 | Head Office | | - |
| Outstanding Expenses | IV | 1,98,529.00 | Regional Offices | | - |
| Earnest Money deposit refundable | | 28,400.00 | Other advances | | - |
| Security deposit refundable | | 6,700.00 | Head Office | | - |
| Excess of income over Expenditure as per last Balance Sheet | | 32,20,429.56 | Regional Office | | - |
| Less Excess of Expenditure over income during current year | | 18,92,169.86 | Cash at Bank | | |
| Add: Payment to HARC | | 1,01,000.00 | Head Office | | 5,70,628.47 |
| | | | Regional Office | | - |
| | | | Outstanding Receipts | | |
| | | 14,29,259.70 | Private Trunk Call charges | | - |
| | | | Interest on Loan Receivable | | - |
| | V | 1,84,83,854.62 | Other Receipts | | - |
| Capital Fund | | | Pre-paid Expenditure | | |
| | | | Telephone Rent | | - |
| | | | Building Rent | | - |
| | | | Other items | | - |
| | | | Loans | | - |
| | | | Advances: | | |
| | | | Conveyance Advance | | 33,289.00 |
| | | | Festival advance | | 3,360.00 |
| | | | Flood Advance | | - |
| | | | House Building Advance | | - |
| | | | Advance in Gratuity | | - |
| | | | Pay Advance | | - |
| | | | T.A. Advance | | 1,232.00 |

| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|----------------|--|-----|----------------|
| | | | Other Advances | VI | 9,31,911.00 |
| | | | Staff Provident | | |
| | | | Fund Investment | | 2,24,454.00 |
| | | | Interest on G.P.F. | | |
| | | | Receivable | | 28,685.00 |
| | | | Staff pension Fund | | 1,65,968.00 |
| | | | etc. | | |
| | | | Other Assets | III | |
| | | | Land | | 25,01,042.00 |
| | | | Building | | 1,33,45,073.00 |
| | | | Furniture & furnishing | | 9,86,302.25 |
| | | | Office Equipment | | 9,99,225.80 |
| | | | Vehicles | | 5,01,668.17 |
| | | | Books | | 1,50,543.00 |
| | | | Security Deposit: | | |
| | | | Deposit with H.S.E.B. | | 20,555.00 |
| | | | Deposit for telex | | 17,250.00 |
| | | | Deposit with HUDA against water Connection | | 10,000.00 |
| | | | Telephone Deposit | | 65,000.00 |
| | | | Deposit for Global Information Retrieval Plant | | 5,000.00 |
| | | 2,05,65,850.32 | | | 2,05,65,850.32 |

Sd/-
(M.P. GUPTA
ASSTT. SECRETARY

Sd/-
Dr. (R.L. RAJAK)
EXECUTIVE DIRECTOR

NATIONAL OILSEEDS AND VEGETABLE OILS DEVELOPMENT BOARD

FIXED ASSETS AS ON 31.3.95

| S.N | PARTICULARS | RATE OF DEPRECIATION | AS ON 1/4/95 | COST (RS.) ADDITIONAL/ DEDUCTIONS | DEPRECIATION (RS.) | | | | NET BLOCK (RS.) | |
|--------------|------------------------|----------------------|-----------------------|---|--------------------|----------------|----------------------|--------------------|--------------------|----------------|
| | | | | | AS ON 31/3/95 | UPTO 31/3/94 | FOR THE YEAR 31/3/95 | UPTO | AS ON 31/3/95 | AS ON 31/3/94 |
| 1. | Land | - | 25,01,042.40 | C | 25,01,042. | — | — | — | 25,01,042.40 | 25,01,042.40 |
| 2. | Building | 10% | 1,92,91,608.00 | (-) 5,370.00 5,66,418.00 | 1,98,52,656.00 | 5053474 | 14,54,109 | 65,07,583 | 1,33,45,073.00 | 1,42,38,134.00 |
| 3. | Furniture & Furnishing | 10% | 14,92,116.25 | (-) 1,862.00 20,656.00 | 15,10,910.25 | 4,15,684 | 1,08,924 | 5,24,608 | 9,86,302.85 | 10,76,432.25 |
| 4. | Office Equipment | 33.3 3% | 19,97,656.50 | (-) 41,118.00 5,23,974.00 | 24,80,512.80 | 11,05,280 | 3,76,007 | 14,81,287 | 9,99,225.80 | 8,92,376.80 |
| 5. | Vehicles | 33.3 3% | 503316.00 | (-) 10839.00 675667.79 | 1168145.17 | 415681 | 250796 | 666477 | 501668.17 | 87635.38 |
| 6. | Books | 10% | 161977.00 | 31095.00 | 193073.00 | 26,770 | 15,760 | 42.530 | 1,50,543.00 | 1,35,207.00 |
| Total | | | 2,59,47,716.83 | 1758622.79 27706339.62 | 7016889 | 2205596 | 9222485 | 18483854.62 | 18930827.30 | |

SCHEDULE -IV

NATIONAL OILSEEDS AND VEGETABLE OILS DEVELOPMENT BOARD
OUTSTANDING EXPENSES AS ON 31-3-95

| S.NO. | Particulars | Amount (Rs.) |
|-------|----------------------------|--------------|
| 1 | Officers Salary March 1995 | 52,268.00 |
| 2 | Staff Salary march 1995 | 55,697.00 |
| 3 | D.A. Arrear | 14,439.00 |
| 4 | Honorarium | 8,500.00 |
| 5 | Rent-Leased Accommodation | 3,675.00 |
| 6 | Wages - March, 1995 | 10,250.00 |
| 7 | Conveyance | 509.00 |
| 8 | Publicity Expenses | 822.00 |
| 9 | POL Expenses | 39,725.00 |
| 10 | O.T.A | 9,596.00 |
| 11 | T.A./D.A | 2,587.00 |
| 12 | Magazines and Periodicals | 461.00 |
| | Total | 1,98,529.00 |

NATIONAL OILSEEDS AND VEGETABLE OILS DEVELOPMENT BOARD**CAPITAL FUND AS ON 31.3.95**

| Particulars | Amount (Rs.) |
|---|----------------|
| Balance as on 31.3.94 | 95,62,215.90 |
| Add - Transferred from Excess of income over Expenditure a/c towards value of previous years assets | 1,63,85,500.93 |
| | 2,59,47,716.83 |
| Less • Depreciation on assets upto 31.3.94 | 70,16,889.00 |
| | 1,89,30,827.83 |
| Less - Sale of vehicles during 1994-95 | 10,839.00 |
| Add - Capital Fund during 1994-95 | 18,12,441.79 |
| | 2,07,32,430.62 |
| Less - Unserviceable items written off. | 2,980.00 |
| Less • Depreciation on assets during 1994-95 | 22,05,596.00 |
| Less • Subsidy on Solar water heating system | 40,000.00 |
| Total: | 1,84,83,854.62 |

SCHEDULE – VI**NATIONAL OILSEEDS AND VEGETABLE OILS DEVELOPMENT BOARD**DETAILS OF OTHER ADVANCES AS ON 31.3.95

| Particulars | Amount (Rs.) |
|---------------------------------------|--------------|
| I Sundry Parties A/c. | |
| i. TMO&P | 27,380.00 |
| ii. Oxford book & stationers | 100.00 |
| iii. M/s Net work Ltd. N.- Delhi | 63,293.00 |
| iv. M/s A.K. Typewriters | 12,308.00 |
| v. M/s Modi Xerox Ltd. | 1,56,864.00 |
| vi. . -do- | 9,977.00 |
| vii. Supar Bazar (The Coop. Stores | 202,659.00 |
| viii. Kendriya Bhandar | 45,836.00 |
| ix. M/s Siddh Offset Press | 59,500.00 |
| x. M/s MOI Engg. Ltd. | 2,34,766.00 |
| | 8,12,683.00 |
| 2. Imprest A/c | 8,939.00 |
| 3. LTC Advances | 89.00 |
| 4. T.T.A. Advances | 9,200.00 |
| 5. Advance to HARC | 1,01,000.00 |
| | 9,31,911.00 |

ANNEXURE-VII

**AUDIT REPORT ON THE ACCOUNTS OF THE NATIONAL OILSEEDS AND
VEGETABLE OILS DEVELOPMENT BOARD, GURGAON
FOR THE YEAR 1994-95**

1. INTRODUCTION

The National Oilseeds and Vegetable Oils Development Board,— (Board) was set up under the National Oilseeds and Vegetable Oils Development Board Act, 1983, to bring about development of oilseeds and vegetable oils industry in an integrated manner, to evolve a long term strategy covering all aspects of production, processing, marketing, pricing, modernisation of technology and research.

Administrative expenses of the Board as well as the expenses incurred by it on the implementation of various development schemes are financed from grants-in-aid received from the Govt. of India. The Board received grants aggregating to Rs.455 lakh during the year1994-95.

As required in section 14(2) of the National Oilseeds and Vegetable Oils Development Board Act, 1983, the audit of the Board has been conducted under section 19(2) of the Comptroller and Auditor General's (Duties, Powers and Conditions of Service) Act, 1971.

2 RECEIPTS AND PAYMENTS

The receipts and payments of the Board for the year 1994-95 were as under: -

| <u>Receipts</u> | | <u>(Rs. in lakhs)</u> |
|-----------------|--|-----------------------|
| i) | Opening balance | 30.24 |
| ii) | Grants-in-aid received from Govt. of India | |
| | i)) Plan | 385.00 |
| | ii) Expenditure on establishment | 70.00 |
| iii. | Unspent balances against | 50.80 |
| iv. | previous year schemes iv) Interest on deposits | 2.04 |
| v. | Sale of vehicles | 1.16 |
| vi. | Miscellaneous receipts | 1.68 |
| vii. | Other recoveries | 0.75 |
| | | <hr/> 541.67 <hr/> |
| <u>Payments</u> | | |
| i. | Salaries | 15.23 |
| ii. | Travel Expenses | 2.41 |
| iii. | Wages | 1.74 |
| iv. | Rent, Rates and Taxes | 1.99 |
| v. | Loans and Advances | 8.03 |
| vi. | Office Expenses | 16.63 |
| vii. | Construction of Office Complex | 5.66 |

| Payments | | (Rs. in lakhs) |
|----------|--|----------------|
| viii. | Furniture and Furnishing | 0.21 |
| ix. | Office Equipments | 5.12 |
| x. | Purchase of vehicles | 6.76 |
| xi. | Books | 0.31 |
| xii. | Provident fund/Pension/Leave Salary contribution | 1.66 |
| xiii. | Released to implementing agencies for development schemes | 469.78 |
| xiv. | Other charges | 0.39 |
| xv. | Closing balance | 5.75 |
| | | 541.67 |

3. COMMENTS ON ACCOUNTS

Nil.

Sd/-
(M. Deena Dayalan)
Accountant General (Audit)
Haryana

AUDIT CERTIFICATE

I have examined the Receipts and Payments Account and the Income and Expenditure Account for the year ended 31 March 1995 and the Balance Sheet as on 31 March 1995 of the National Oilseeds and Vegetable Oils Development Board, Gurgaon. I have obtained all the information and explanations that I have required, and I certify, as a result of my audit, that in my opinion these accounts and Balance Sheet are properly drawn up so as to exhibit, a true and fair view of the state of affairs of the National Oilseeds and Vegetable Oils Development Board, Gurgaon according to the best information and explanations given to me and as shown by the books of the organisation.

Place : Chandigarh

Date : 17 July 1995

Sd/-
(M. Deena Dayalan)
Accountant General (Audit)
Haryana

ABBREVIATIONS

| | |
|------------|---|
| A | = Achievement |
| AR | = Area (ha.) |
| ASC | = Assam Seeds Corporation |
| BH | = Honey Beehives (Nos.) |
| CBI | = Central Bank of India |
| CSIR | = Council of Scientific and Industrial Research |
| CSAU | = Chandra Shekhar Azad University of Agriculture & Technology |
| D | = Demonstrations area (ha.) |
| DA | = Dearness Allowance |
| DCT | = Decorticator (Nos.) |
| DGSM | = Dasholi Gram Swarajya Mandal |
| FD | = Field Days |
| FLD | = Front Line Demonstration |
| FT | = Farmer's Training |
| GAU | = Gujarat Agricultural University |
| GSSC | = Gujarat State Seeds Corporation |
| GUJCOMASOL | = Gujarat Co-operative Marketing Federation Ltd. |
| HARC | = Himalayan Action Research Centre |
| HG | = Handgloves (Nos.) |
| HPKVV | = Himachal Pradesh Krishi Vishva Vidyalaya |
| IARI | = Indian Agricultural Research Institute |
| ICAR | = Indian Council of Agricultural Research |
| IGKVV | = Indira Gandhi Krishi Vishva Vidyalaya |

| | | |
|------------|---|---|
| IICT | = | Indian Institute of Chemical Technology |
| IOB | = | Indian Overseas Bank |
| ISOR | = | Indian Society of Oilseeds Research |
| IVPA | = | Indian Vanaspati Producers Association |
| JNKW | = | Jawahar Lal Nehru Krishi Vishwa Vidhyalaya |
| LTC | = | Leave Travel Concession |
| M | = | Minikit (Nos.) |
| MAHAFED | = | Maharashtra Oilseeds Grower Co-operative Fed |
| MEHPDS | = | Maharashtra Oilseeds Grower Co-operative Fed |
| MIS | = | Micro Irrigation System |
| MPKV | = | Mahatma Phule Krishi Vidyapeeth |
| MVAIL | = | Manipur Vanaspati Allied Industries Ltd |
| NDUA&T | = | Narendra Deva University of Agriculture & Technology |
| NGA | = | Nagaland Gandhi Ashram |
| NGOs | = | Non-Government Organisation |
| N1 | = | Not Implemented |
| NTAs | = | Non-Traditional Areas |
| NTOs | = | Non-Traditional Oilseeds |
| OIL ORISSA | = | Western Orissa Regional Cooperative Oilseeds Growers' Union |
| OPP | = | Oilseed Production Programme |
| ORG | = | Organization |
| OSSC | = | Orissa State Seeds Corporation |
| OTA | = | Over Time Allowance |
| OTRI | = | Oil Technological Research Institute |
| P | = | Production in quintals |
| PA | = | Complete Progress Awaited |
| PAIC | = | Punjab Agro Industries Corporation |
| RA | = | Report Awaited |

| | | |
|-----------|---|--|
| REP | = | Representative |
| R/S | = | Rabi-Summer |
| RT | = | Rotavators |
| SAUs | = | State Agricultural Universities |
| SBI | = | State Bank of India |
| SD | = | Seed Drill (Nos.) |
| SDA | = | State Department of Agriculture |
| SDF | = | State Department of Forest |
| SDR | = | Solar drier (Nos.) |
| SM | = | Seed Multiplication |
| SMS | = | Subject Matter Specialist |
| SOPA | = | Soybean Oilseed Producers Association |
| SPR | = | Sprinkler (Nos.) |
| T | = | Target |
| TA | = | Travelling Allowance |
| TERI | = | Tata Energy Research Institute |
| TH | = | Thresher (Nos.) |
| TMO&P | = | Technology Mission on Oilseeds & Pulses |
| TT | = | Trainer's Training |
| TTA | = | Transfer Travelling Allowance |
| UAS | = | University of Agriculture Sciences |
| UB | = | Unspent Balance |
| VMA-VORDI | = | Vanaspati Manufacturers' Association-Oilseeds Research Development Institute |

APPENDIX-I

NOVOD PROGRAMME IMPLEMENTING ORGANISATIONS

1. STATE DEPTTS.OF AGRICULTURE (SDAs) (16)

A.P., Arunachal Pradesh, Assam, Haryana, J&K, Karnataka, M.P.; Maharashtra, Mizoram, Nagaland, Orissa, Punjab, Rajasthan, Tripura, U.P. and W.B.

2. STATE AGRICULTURAL UNIVERSITIES (6)
CSAU, HPKV, IGKV, JNKU, NDAU&T,UAS .

3. CO-OPERATIVES/OILFEDS ETC.

Assam Seeds Corporation, Gujarat Co-operative Marketing Federation Ltd., Gujarat State Seeds Corporation, Maharashtra Oilseeds Growers' Cooperative Federation, Manipur Vanaspati & Allied Industries Ltd., Orissa State Seeds Corporation, Punjab Agro Industries Corporation, Western Orissa Regional Cooperative Oilseeds Growers' Union .

4. NATIONAL INSTITUTES (4)

IARI, IICT, ISOR, OTRI.

5. NON-GOVT. ORGANISATIONS (NGOs) (8)

DGSM, HARC, IVPA, MVAIL, NGA, SOPA,

TERI, VMA-VORDI.