

No. 11177

**DENMARK
and
INDIA**

Agreement on the continuation of the Indo-Danish Cattle Development Project in Mysore (with annex). Signed at New Delhi on 28 January 1971

Authentic text: English.

Registered by Denmark on 21 June 1971.

**DANEMARK
et
INDE**

Accord relatif à la continuation du projet indo-danois d'amélioration du cheptel bovin au Mysore (avec annexe). Signé à New Delhi le 28 janvier 1971

Texte authentique: anglais.

Enregistré par le Danemark le 21 juin 1971.

AGREEMENT¹ BETWEEN THE GOVERNMENT OF DENMARK AND THE GOVERNMENT OF INDIA ON THE CONTINUATION OF THE INDO-DANISH CATTLE DEVELOPMENT PROJECT IN MYSORE

The Government of Denmark and the Government of India, considering that the Indo-Danish Cattle Development Project established under the Agreement between the Government of Denmark and the Government of India signed at New Delhi on May 15, 1963,² has achieved the expected result, desiring to further economic and technical co-operation between the two countries in the field of dairy farming practices, training and extension work in India, and in implementation of the Agreement of February 16, 1970,³ between the Government of India and the Government of Denmark concerning technical co-operation, and desiring to extend the project set up under the Agreement between the Government of Denmark and the Government of India signed on May 15, 1963, have agreed as follows:

Article I

The Government of Denmark will continue to co-operate with the Government of India in strengthening the existing Indo-Danish Cattle Development Project in Mysore State through the establishment of its three sub-centres in Mysore State.

Article II

The objectives of the Project will be:

- (a) to demonstrate modern dairy farming with exotic breeds of cattle to the surrounding farmers;
- (b) to increase milk production in the respective areas by cross-breeding local cows with semen of the exotic breed of bulls produced at these sub-centres;
- (c) to train village farmers of different age groups and other persons with agricultural background in modern dairy farming;

¹ Came into force on 28 January 1971 by signature, with retroactive effect from 1 December 1970, in accordance with article VIII.

² United Nations, *Treaty Series*, vol. 616, p. 23.

³ *Ibid.*, vol. 745, p. 219.

- (d) to undertake extension work in selected villages around the sub-centres;
- (e) to carry out experiments in cattle development at the main centre at Hessarghatta.

The above objectives will be carried out in accordance with the Plan of Operation attached to the present Agreement.

Article III

The Project will be continued as a project of co-operation between the Government of Denmark and the Government of India on the following lines:

(a) During the period covered by this Agreement, the Government of India will be responsible for the management and operation of the Project and the maintenance of equipment supplied by the Government of Denmark under the Agreement of May 15, 1963, as well as the present Agreement.

(b) Until the expiry of this Agreement, the management of the Project will be entrusted to an Indian Director who will function in consultation with the Senior Project Adviser with regard to technical matters.

(c) The Project Director and the Senior Project Adviser will be under the general control of the Project Committee consisting of the Development Commissioner of the Government of Mysore, who is to be the Chairman of the Committee, the Animal Husbandry Commissioner of the Department of Agriculture, Government of India, and a Representative of the Danish Embassy.

(d) The Director and the Chairman of the Project Committee will be given such powers as to ensure efficient management of the Project. The day-to-day management of the Project will be in the hands of the Indian Director.

(e) The Senior Project Adviser will offer technical advice and guidance on the technical operation of the Project. In case of any difference of opinion between the Project Director and the Senior Project Adviser, the matter will be referred to the Project Committee whose decision shall be final.

(f) An annual review of the progress of the Project will be made jointly by the Government of India and the Government of Denmark.

Article IV

The Government of Denmark undertakes to provide the following for the period of validity of this Agreement.

- (a) Four Advisers, namely,
 - One Senior Project Adviser with experience in animal husbandry and dairy production.
 - One Expert in animal husbandry.
 - One Agronomist with field experience and experience in maintenance and repair of agricultural machinery.
 - One Agricultural Expert in training and extension activities.
- (b) Three Technicians to assist the Superintendents of the sub-centres in the installation and utilisation of the equipment provided by Denmark as well as in the implementation and operation of the extension programme.
- (c) A number of Volunteers for the sub-centres and for the Hessarghatta Centre as decided upon by mutual agreement.
- (d) Equipment, machinery, and frozen semen for the existing project at Hessarghatta.
- (e) Local and Danish cattle, equipment and machinery for the three sub-centres.
- (f) A number of fellowships, to be decided by mutual agreement, for the training of Indian experts in Denmark in accordance with Article IV(d) of the Agreement on Technical Co-operation between the Government of Denmark and the Government of India signed on February 16, 1970.

Article V

The Government of India will provide:

- (a) Additional cultivated area, bore wells, implements, vehicles and additional staff for the existing project at Hessarghatta.
- (b) Developed land, buildings, staff quarters, electricity and water, vehicles and staff for the sub-centres.

Article VI

Imports of machinery, equipment for the Project and imports of personal effects of the Danish Advisers and other privileges will be regulated in accordance with Articles V and VI of the Agreement on Technical Co-operation between the Government of Denmark and the Government of India signed on February 16, 1970.

Article VII

All property, material and equipment supplied by the Government of Denmark under the Agreement of May 15, 1963, and this Agreement shall become the property of the Government of India on the termination of this Agreement.

Article VIII

This Agreement shall have retroactive effect from December 1, 1970, and shall remain in force until November, 30, 1975, unless terminated earlier as provided in Article IX. The Agreement may be extended beyond this period or amended by agreement between the two Governments.

Article IX

Either party may terminate this Agreement before the date of expiry mentioned in Article VIII by giving the other party one year's notice in writing of its intention to terminate the Agreement.

IN WITNESS WHEREOF the undersigned, being duly authorised by their respective Governments, have signed this Agreement.

DONE at New Delhi on the 28th January, 1971, in two originals.

For the Government of Denmark:
H. A. BIERING

For the Government of India:
N. R. REDDY

PLAN OF OPERATIONS

The Indo-Danish Cattle Development Project at Hessarghatta, which was started in 1964 under the Indo-Danish Agreement signed on May 15, 1963, and has contributed considerably to the development of dairy farming, requires to be further strengthened in order to sustain the progress made in this field. Under the present Agreement, it is therefore proposed to expand the activities of the Project by:

- (i) strengthening the existing Centre at Hessarghatta;
- (ii) establishment of its three sub-centres.

Following preliminary investigations and further deliberations, the Government of India and the Government of Denmark agree to the expansion/setting up of the above Centres with the objectives and functions stated below:

I. STRENGTHENING OF THE INDO-DANISH CATTLE DEVELOPMENT PROJECT
AT HESSARGHATTA

The Indo-Danish Project was implemented in 1964. The foundation stock of Red Danish Dairy Breed cattle consisted of 90 Red Danish Dairy Breed cows and 11 Red Danish Dairy Breed bulls imported under the Project sponsored by the Government of Denmark. As per September 30, 1970, the farm had the following herd of Red Danish Dairy Breed of cattle:

Female Stock

Cows	136
Heifers, above 18 months	42
Heifers, 6-18 months	46
Heifers, below 6 months	19

Male Stock

Stud bulls	11
Bulls, above 18 months	23
Bulls, 6-18 months	52
Bulls, below 6 months	23

TOTAL 352

Briefly, the objectives of the farm are and will continue to be:

- (i) demonstration of modern dairy farming;
- (ii) extension work in selected areas;
- (iii) training of farmers and others in modern methods of dairy farming; and
- (iv) cross-breeding with Red Danish Dairy Breed bull semen.

A further objective under this Agreement will be a progeny testing programme. Considerable cross-breeding with Red Danish Dairy Breed semen is being done in the milk shed area of Bangalore, and a stage has been reached when it will be desirable to use only proven bulls in a few years from now, if substantial gains in milk production are to be achieved. Danish Government assistance will be sought to strengthen this farm for the progeny testing of batches of five to six bulls with best dams' records. Briefly, the technical programme will be as follows:

- (i) 5 best bulls of the Red Danish Dairy Breed will be selected on the basis of their pedigree and performance of dams and grand dams, etc.

- (ii) Each selected bull will be mated by means of A.I. to 30 cows earmarked exclusively for each bull.
- (iii) The performance of one crop of daughters will be observed, and the bulls will be rated on the basis of daughter/dam comparisons.
- (iv) Semen of the bulls under testing will be frozen and stored by means of the facilities available at the frozen semen bank of the Government of India for future use, when the results of progeny testing are known.
- (v) 30 cows will be selected for insemination with semen imported from Denmark from selected progeny tested bulls to provide a crop of calves for the breeding programme.

In view of this programme and of the expansion of the other activities of the Centre, it has become essential to replace and renew some of the existing cattle and equipment.

For this strengthening of the Centre at Hessarghatta the Government of Denmark will contribute:

1. pregnant heifers of the Red Danish Dairy Breed;
2. agricultural implements, attachments to tractors and milking machines;
3. special type of chaff cutter with conveyer and elevator;
4. frozen semen and equipment for the importation and handling of frozen semen;
5. one tractor, 60 HP, with trailer;
6. cost of sprinkler irrigation set with pump set;
7. agricultural implements, etc.;
8. teaching materials, audio-visual aids for the training programme and extension work;
9. fellowships.

The Government of India will provide:

1. additional cultivated area, 15 acres, additional sheds for young bulls and bore wells;
2. non-recurring miscellaneous expenditure, operational expenditure;
3. office in Bangalore and car for the Director;
4. staff salaries;
5. customs duty on imported goods and reimbursement of local tax.

II. ESTABLISHMENT OF THREE SUB-CENTRES

Under this Agreement three sub-centres will be established one each in the years 1970-71, 1971-72 and 1972-73. At each of these centres it is proposed to rear 30 pregnant heifers and 2 bulls to start with. Two of the stations will be supplied with Danish Jersey cattle, one with Red Danish Dairy Breed cattle. The pregnant heifers will be obtained from Denmark, cost, freight and insurance being paid by the Government of Denmark. Conditions permitting and subject to further negotiation, Denmark will consider the supply of further heifers and bulls up to a maximum of 96 (90 cows and 6 bulls).

Each sub-centre will be started on about 100 acres of land, of which 30 acres will be irrigable for intensive cultivation of green fodder. As much of the remaining area as possible will be cultivated under rain-fed conditions. The centres will be started in different areas of the State which are most suitable for the rearing of exotic breeds of cattle and for the growing of green fodder. Areas will be selected with a view to ensuring that either canal water or tank water will be available in sufficient quantities for irrigation.

To fulfil the objectives mentioned in the Agreement, Article II, the technical programme of the centres will be as follows:

The Red Danish Dairy Breed and Jersey herds, as the case may be, imported from Denmark, will be reared as a foundation herd for demonstration purpose as well as for producing breeding bulls for distribution. Hay and silage will be made from the green fodder produced at the farm by means of modern machinery and irrigation. Milk yields will be recorded and breeding records of the herd will be kept. Local cross-bred cows will be purchased with Danish funds. The training programmes listed under objectives will be arranged for by the sub-centres. Extension work will be carried out along the lines now adopted in the Hessarghatta extension area, i.e. by distribution of cross-bred cows to farmers, introduction of milk recording, etc. All details of the technical programme will be worked out in consultation with the team of Danish advisers.

For the establishment of the three sub-centres, the Government of Denmark will provide:

- 180 heifers and 12 bulls (half of which is to be supplied subject to further negotiations);
- special KOLA chaff cutters, conveyor belt and elevator, one for each sub-centre;
- 18 sets of milking machines, complete with vacuum line, taps, for three sub-centres;
- 90 cross-bred cows;

- three sprinkler sets, pipes and pumps;
- six 35 HP tractors with 9 trailers, 6 mould board ploughs, 3 disc ploughs, 6, tillers 3 spring-tine cultivators, 3 disc mowers, 3 side delivery rakes, 3 seed drills, 3 centrifugal spreaders, 3 hammer mills with motors, 3 combined combridge roller, wheel barrows and hand tools and tools for work-shop, and 3 ridgers;

- 1800 litre bulk milk cooler 3 Nos.

The Government of India will contribute:

- building, staff quarters, accommodation for trainees for three sub-centres;

- bore wells with overhead tanks;

- one 5-ton truck, 2 jeeps and trailers for each of the sub-centres;
other miscellaneous equipment, including typewriters, duplicators, furniture, etc.;

- miscellaneous non-recurring expenditure; operational expenditure;

- staff salaries and allowances;

- import duty on equipment supplied by Denmark.

A detailed proposal will be submitted for every item justifying the proposed expenditure on individual items to enable the authority concerned to examine and approve the proposals.

III. ORGANISATION AND ADMINISTRATION

(i) The Director, Indo-Danish Cattle Development Project will be in charge of the day-to-day management and administration of the Project. He will be assisted by four Superintendents of the Cattle Development Project at Hessarghatta and its three sub-stations. In all technical matters, the Project Director will consult the Senior Project Adviser and he will function under the overall guidance of the Project Committee.

(ii) Provision will be made for the Chairman of the Project Committee and the Director of the Project to have sufficient administrative and financial powers to enable the Project to function efficiently.

(iii) The Project Committee shall meet at least once every three months to consider the Working Plan, the programme and progress of operation of the Project. The Director of the Project will present the annual budget of the Project as well as half-yearly income/expenditure statements for the Committee's approval. The Director of the Project and the Senior Project Adviser must normally be present at all its meetings so as to assist the Committee in its deliberations.

(iv) In the discharge of his duties the Senior Project Adviser will advise the Project Director in all matters related to the technical development of the Project and will assist the Government of India in consultation with the Project Director in:

- (a) detailed planning, execution of the Project and the preparation of technical reports;
- (b) timely scheduling and submission of requests for items to be provided by the Government of Denmark.

He will be responsible to the Government of Denmark for supervising the Advisers assigned to the Project and advise the Project Director on the proper utilisation of equipment and materials supplied by the Government of Denmark.

(v) A Review Committee will be set up. It must meet at least once a year. It will consist of a representative of the Department of Agriculture, Government of India (Chairman), a representative of the State Government of Mysore, a representative of the Government of Denmark, and a representative of the Research Institute for Animal Husbandry in Denmark. The main functions of this Review Committee will be to watch the progress of the Project and to advise the Project Committee on the efficient operation of the Project.

(vi) Fellows selected for advanced training in Denmark will be nominated by the Government of Mysore in consultation with the Senior Project Adviser. Trainees should be selected from persons working at the Project or on appointment to the Project and should be posted at the Project on the completion of their training.

IV. FINANCE

The contributions of the Government of Denmark will be as follows:

	<i>Dan. Kr.</i>
Equipment, cattle, etc. for Hessarghatta	781,000
Equipment, cattle, etc. for sub-centres	2,815,000
Salaries, allowances, travels, etc. for Danish experts and technicians as well as accommodation for volunteers	5,325,000

The contributions of the Government of India will be:

	<i>Rupees</i>
For the Hessarghatta Centre	2,097,400
For the sub-centres.	6,626,000