



सत्यमेव जयते

**Government of India**  
**Ministry of Agriculture & Farmers Welfare**  
**Department of A. H. D & F**  
**Central Frozen Semen Production & Training Institute**  
**Hessarghatta, Bangalore – 560088**  
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*An IS: ISO 9001:2008 Institute*



## GENERAL INFORMATION:

### **Background of the Institute:**

**CFSPTI** is one of the premier Institutes of the Department of Animal Husbandry, Dairying and Fisheries, Ministry of Agriculture, Government of India established as frozen semen bank with the preliminary objective of Production ,storage and distribution of Frozen semen of exotic and indigenous cattle and buffaloes in the year 1969.during the year 1980 it was expanded and renamed as CFSP&TI with the addition of training component. Various training courses in the field of Frozen Semen Technology and related subjects are conducted at the Institute for the benefit of the veterinarians all over the country.

The center is one of the recognized testing Laboratories for testing of Artificial Insemination equipments.

The Institute is certified for IS/ ISO 9001-2008, for Quality Management System by the Bureau of Indian standards.

**Target Group/Beneficiaries:** Animal Husbandry farmers, livestock breeders and various cattle development agencies are benefited by way of use of frozen semen produced in the state of art laboratory and by availing training in frozen semen technology.

### **Objectives and activities of the Institute:**

- Production of frozen semen from superior exotic, crossbred and Indigenous breeds of cattle and some important breeds of buffaloes.
- Serve as a Central Depot of frozen semen: from outstanding imported bulls for the distribution within the country for breeding the nucleus exotic herds.
- Training of technical personnel in various aspects of frozen semen technology.
- To organize workshops, seminars in the field of frozen semen technology and allied subjects.

### **Location of the Institute:**

The Central Frozen Semen Production & Training Institute is located at Hessarghatta (North Bangalore) at a distance of 30 Kms. from Bangalore City & 4 Kms. from Hessarghatta Village. From BIAL (Bangalore International Air Port) and Bangalore city railway station the accessibility to farm by road is good.

Frozen Semen production and distribution Section

VITAL STATISTICS:

| YEAR    | FS PRODUCTION (IN LAKHS) | FS SALE (IN LAKHS) | TOTAL TRAINEES | REVENUE(IN LAKHS) |
|---------|--------------------------|--------------------|----------------|-------------------|
| 2001-02 | 8.37                     | 7.74               | 165            | 70.72             |
| 2002-03 | 7.07                     | 7.69               | 186            | 126               |
| 2003-04 | 10.80                    | 10.28              | 199            | 83.27             |
| 2004-05 | 12.84                    | 11.90              | 297            | 111               |
| 2005-06 | 13.43                    | 14.74              | 200            | 167               |
| 2006-07 | 13.05                    | 12.87              | 197            | 161               |
| 2007-08 | 9.35                     | 10.05              | 204            | 131               |
| 2008-09 | 8.66                     | 4.71               | 227            | 56                |
| 2009-10 | 10.28                    | 8.96               | 210            | 108               |
| 2010-11 | 11.84                    | 11.88              | 221            | 149               |
| 2011-12 | 13.17                    | 14.22              | 268            | 164.95            |
| 2012-13 | 13.07                    | 12.30              | 227            | 140.88            |
| 2013-14 | <b>14.04</b>             | <b>10.30</b>       | <b>282</b>     | <b>159.83</b>     |
| 2014-15 | <b>10.72</b>             | <b>8.76</b>        | <b>239</b>     | <b>170.45</b>     |

LIVESTOCK SECTION:

To be the source of superior genetic material for breeding activity in the country, the institute identifies and maintains the best available breeds and animals under one roof .At one time or the other, various superior exotic bloodlines were imported maintained and utilized optimally for production of superior quality frozen semen. The imports were from countries like USA,Germany,Denmark,Australia and Israel.

A. HERD STRENGTH:

| S<br>e<br>r<br>i<br>a<br>l<br><br>n<br>o | Breed        | O/B<br>as on<br>01.04.<br>2013 | Purchased<br>during the<br>year 2014 | Culled,<br>Auctioned<br>& Died | Emergency<br>auction | Died      | Transferred | Closing<br>balance |
|--|--------------|--------------------------------|--------------------------------------|--------------------------------|----------------------|-----------|-------------|--------------------|
| 1  | HF           | 31                             | 03                                   | 02                             | Nil                  | 01        | Nil         | 31                 |
| 2  | JY           | 14                             | 04                                   | 03                             | Nil                  | 01        | Nil         | 14                 |
| 4  | Tharparkar   | 02                             | 04                                   | Nil                            | Nil                  | Nil       | Nil         | 06                 |
| 5  | Murrah       | 21                             | Nil                                  | 05                             | Nil                  | Nil       | Nil         | 16                 |
| 6  | others       | 00                             | Nil                                  | Nil                            | Nil                  | Nil       | Nil         | 00                 |
| 7  | Bullocks     | 02                             | Nil                                  | Nil                            | Nil                  | Nil       | Nil         | 02                 |
|  | <b>TOTAL</b> | <b>70</b>                      | <b>11</b>                            | <b>10</b>                      | <b>Nil</b>           | <b>02</b> | <b>Nil</b>  | <b>69</b>          |



TRAINING SECTION:

**TRAINING COURSES**

The training division at present offers the following courses.

- Management of field AI programme and infertility
- Frozen Semen Processing Technology

- Laboratory Techniques for evaluation & QC of FS
- Bull Breeding Soundness

The training division has well-furnished classrooms and is well equipped with audio visual aids, educational video films ,full-fledged library with access to related journals and periodicals. From good classroom

### **TRAINEES HOSTEL**



### **INTERNSHIP**

The following colleges send their students during internship programme to get hands on training in frozen semen technology.

- Rajiv Gandhi University- Pondicherry
- Bangalore Veterinary College
- Bidar Veterinary College
- Shimoga Veterinary College
- Hassan Veterinary College

#### **OTHER ACTIVITIES:**

- Total of 56,226 doses (of eight bulls) of frozen semen were subjected for Progeny Testing Program in the field, operated by Karnataka Milk Federation
- The imported frozen embryos were transferred to recipient mothers maintained ABC, Khalsi Farm maintained under Uttaranchal Livestock Development Board, Dehradun.

- The Institute co-ordinated for the evaluation of semen stations in the country for the year 2013-14 and submitted a comprehensive report to the Department.
- The Institute is associated for the evaluation of AI training centers.
- The institute is one among the four nationally recognized laboratories in the country for testing of indigenously manufactured AI equipment's and consumables.

## NATIONAL DAIRY PLAN-1 (NDP-1)



### A. BRIEF INFORMATION:

- The CFSP&TI as an EIA has signed for an agreement for strengthening of semen station at Hessarghatta with the Project Management Unit under National Dairy Plan 1 on 27<sup>th</sup> March, 2013. As per agreement, the provision is made for 100% granting aid for Rs. 1026.34 Lakhs for various strengthening activities. The plan is for the period of 2012-13 to 2017-18 and CFSP&TI will take up the activities under the direct supervision of Sub-project Management committee constituted under the Chairmanship of Joint Commissioner, DADF.

### B. THE FINANCIAL ALLOCATION:

| YEAR      | Grant / Budget Allocation |
|-----------|---------------------------|
| ▪ 2012-13 | NIL                       |
| ▪ 2013-14 | 672.38 Lakhs              |
| ▪ 2014-15 | 353.97 Lakhs              |
| ▪ 2015-16 | NIL                       |
| ▪ 2016-17 | NIL                       |
| ▪ 2017-18 | NIL                       |
| TOTAL     | 1026.34 Lakhs             |

### C. MAJOR ACTIVITIES PROPOSED UNDER NDP-1:

- Civil works
- Purchase of Laboratory Equipments
- Purchase of Farm Machineries & Equipments
- ICT
- Purchase of Bulls / bull calves
- Bio-Security works
- Training and capacity building etc.

D. TARGETS UNDER NDP-1:

| YEAR      | FS PRODUCTION | FS SALE | No. of Bulls |
|-----------|---------------|---------|--------------|
| ▪ 2013-14 | 15.00         | 14.83   | 50           |
| ▪ 2014-15 | 16.00         | 15.92   | 51           |
| ▪ 2015-16 | 20.00         | 19.67   | 62           |
| ▪ 2016-17 | 22.00         | 21.83   | 67           |
| ▪ 2017-18 | 25.00         | 24.75   | 78           |

*Contact to for more information:-*

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