



*Northern Regional Demonstration and Training Centre, Jalandhar*

**National Dairy Development Board**



## Northern Regional Demonstration and Training Centre - NDDB

The National Dairy Development Board set up Northern Regional Demonstration and Training Centre (NRDTC) in early eighties, to cater to the needs of trained manpower for dairy development activities in the northern region. Since its inception, the centre has been conducting various programmes for different cooperative milk unions, government departments and NGOs.

The course curriculum for each programme has been designed to suit the requirements of client organisations. NRDTC has constantly strived to upgrade its training keeping in view the developments in the dairy sector and the feedback from participants and client organisations. NRDTC continued its efforts to conduct various capacity building programmes during this year also.

### Courses

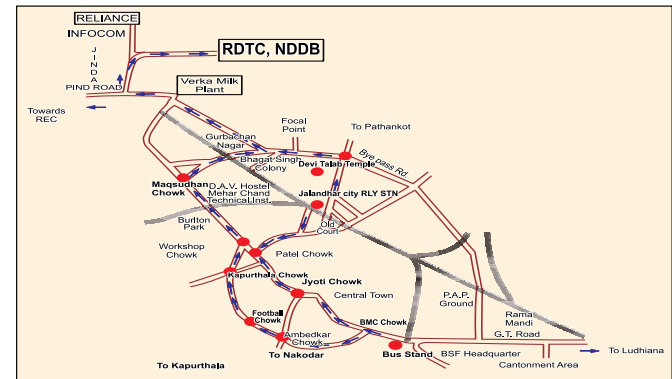
The training programmes include a combination of theory, practical, field visits, group discussions, role plays, games, audio-visual shows etc. Besides regular programmes, NRDTC also offers customised programmes to meet specific training need of the organisations.

### Facilities

NRDTC offers an environment that is conducive for learning. The participants enjoy the privilege of being trained by a well experienced faculty. The centre imparts training through modern teaching aids and demonstration units. Board & lodging facilities are provided within the premises itself. NRDTC also provides a wide range of facilities for recreation and sports.

### Location

The NRDTC is located at Jalandhar, Punjab which is well connected by road and rail. It is about 8 km from the city railway station and 10 km from the city bus stand.



**Programmes 2012-13**  
**(01 April, 2012 to 31 March, 2013)**

| <b>Programme Title</b>          | <b>Artificial Insemination (AI)</b>  | <b>Dairy Animal Management</b>  | <b>Refresher Programme in Artificial Insemination</b>   | <b>DCS Book Keeping</b>   |
|---------------------------------|--|---|---|---|
| Programme Objectives            | To enable the participants:<br><ul style="list-style-type: none"> <li>Learn AI technique to practice quality AI so as to improve genetic potential of the cattle &amp; the buffaloes.</li> </ul> | To enable the participants:<br><ul style="list-style-type: none"> <li>Acquire knowledge of modern dairy farm management practices.</li> </ul> | To enable the participants:<br><ul style="list-style-type: none"> <li>Identify the problems in the field and solve it,</li> <li>Acquire knowledge of latest technology in the field of reproduction,</li> <li>Increase fertility of animals by solving reproductive disorders.</li> </ul> | To enable the participants:<br><ul style="list-style-type: none"> <li>Have a clear understanding of the basic concept of accounting,</li> <li>Acquire knowledge of books of accounts at DCS,</li> <li>Prepare and interpret statement of accounts and balance sheet.</li> </ul> |
| Duration                        | 45** days  | 5 days  | 5 days  | 5 days  |
| Trainee category                | Matriculate village youths   | Milk Producers/Farmers/ Unemployed youth/SHG members  | Practicing AI Technicians   | Milk Procurement Supervisors/ Trainers/DCS Resource Persons   |
| Programmes fees per participant | ₹ 12894  | ₹ 1433  | ₹ 1433  | ₹ 2613  |
| Slots available                 | Apr 9 - May 25<br>May 28 - Jul 11<br>Jul 16 - Aug 29<br>Sep 3 - Oct 17<br>Oct 29 - Dec 12<br>Dec 31 - Feb 13   | Apr 23 - 27<br>Apr 30 - May 4<br>Aug 27 - 31<br>Sep 3 - 7<br>Sep 17 - 21  | May 14 - 18<br>May 28 - Jun 1<br>Jul 2 - 6<br>Jul 9 -13<br>Jul 30 - Aug 3<br>Sep 24 - 28<br>Nov 19 - 23<br>Dec 17 - 21<br>Jan 7 - 11<br>Jan 21 - 25   | May 7 - 11<br>May 21 - 25   |

\*\*AI programme-total duration is 120 days, including 75 days on-the-job training at sponsoring organisation.



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|-------------------------------------|--|--|--|--|
| Brief description of course content | <ul style="list-style-type: none"><li>• History of Artificial Insemination (AI),</li><li>• Physiology of reproductive organs,</li><li>• Oestrous cycle &amp; symptoms of heat,</li><li>• Technique and timing of AI,</li><li>• Parturition,</li><li>• Ideal calving cycle,</li><li>• Types of semen,</li><li>• LN<sub>2</sub> containers and their handling,</li><li>• Care &amp; management of Calves, pregnant, dry &amp; lactating animals,</li><li>• Disbudding of calves,</li><li>• Balanced ration &amp; feeding,</li><li>• Fodder cultivation - its preservation,</li><li>• Urea straw treatment,</li><li>• Clean milk production,</li><li>• Common infectious diseases and its prevention &amp; control.</li></ul> | <ul style="list-style-type: none"><li>• Breeds of cows and buffaloes,</li><li>• Housing of dairy animals,</li><li>• Feeding of various categories of animals,</li><li>• Common diseases of dairy animals,</li><li>• Vaccination &amp; De-worming,</li><li>• Methods of milking,</li><li>• Prevention of mastitis,</li><li>• Heat detection and timing of AI,</li><li>• Technology to improve efficient utilisation of feed and fodder,</li><li>• Animal insurance.</li></ul> | <ul style="list-style-type: none"><li>• Evaluation session,</li><li>• Role of AI in livestock improvement in India,</li><li>• Understanding the salient features of oestrous,</li><li>• Oestrous cycle and its endocrinological regulation,</li><li>• Discussion on erroneous inseminations,</li><li>• Common errors committed while doing AI and thawing of frozen semen straw,</li><li>• Discussion on common causes of AI failure,</li><li>• Proper technique of insemination &amp; importance of asepsis in AI,</li><li>• Common mistakes in handling liquid nitrogen container and transportation of frozen semen at field level.</li></ul> | <ul style="list-style-type: none"><li>• Accounting, its role in DCS Business,</li><li>• Basic Accounting, principles and procedures.</li><li>• Books of accounts, Cash Book and G Ledger writing,</li><li>• Preparing statements of accounts, Trading accounts, P/L Account,</li><li>• Balance Sheet,</li><li>• Interpretation of accounts and statements.</li></ul> |

## Programmes 2012-13

| Programme Title                     | Resource Persons Training  | Training on Milk Procurement & Technical Input  | Dairy Farmers Orientation   |
|-------------------------------------|--|---|---|
| Programme Objectives                | To enable the participants <ul style="list-style-type: none"> <li>Understand clearly the activities of Producer Institutions and their benefits,</li> <li>Facilitate participation of milk producers for various activities of Producer Institutions.</li> </ul>         | To enable the participants: <ul style="list-style-type: none"> <li>Work as efficient &amp; effective procurement &amp; extension facilitators,</li> <li>Achieve desired key targets related to milk procurement, institutional development and facilitate participation,</li> <li>Demonstrate high level of professional commitment and initiative for development of cooperative milk business in their area.</li> </ul>   | To enable the participants: <ul style="list-style-type: none"> <li>Clearly understand the objectives and activities of milk producer cooperatives and their role in dairy development,</li> <li>Acquire knowledge of modern dairy animal management practices.</li> </ul>                               |
| Duration                            | 5 days   | 26 days   | 3 days  |
| Trainee category                    | Progressive farmers  | Procurement & Extension supervisors   | Dairy farmers   |
| Programme fees per participant      | ₹ 1433   | ₹ 13585   | ₹ 860   |
| Slots available                     | Jul 16 – 20<br>Sep 10 – 14<br>Oct 8 – 12<br>Mar 18 – 22<br>Mar 25 - 29   | Jun 4 – 29<br>Feb 18 - Mar 15   | Apr 11 – 13, Apr 18 – 20<br>Aug 7 – 9, Aug 22 – 24<br>Nov 5 – 7<br>Dec 12 – 14, Dec 19 – 21, Dec 26 – 28<br>Feb 4 – 6, Feb 13 – 15<br>Mar 4 - 6, Mar 11 - 13  |
| Brief description of course content | <ul style="list-style-type: none"> <li>Dairying in India,</li> <li>Animal management: feeding, breeding and health,</li> <li>Selection of animals,</li> <li>Clean milk production and improving quality of milk,</li> <li>Self Help Groups and Thrift Groups.</li> </ul> | <ul style="list-style-type: none"> <li>Dairying in India,</li> <li>Cooperative Act, Rules &amp; Bye-laws,</li> <li>Cooperative principles and values,</li> <li>Milk constituents, its testing and pricing,</li> <li>Organisation and functioning of DCS,</li> <li>DCS accounting,</li> <li>Communication,</li> <li>Participatory skills,</li> <li>Technical input services,</li> <li>Women participation in DCS.</li> </ul> | <ul style="list-style-type: none"> <li>Dairy cooperatives scenario in India,</li> <li>Objectives, activities of milk producers cooperatives,</li> <li>Clean Milk Production,</li> <li>Cattle breeding, feeding and health care management,</li> <li>Common diseases, prevention and control.</li> </ul> |

Other Customised Training Programmes: Designed and conducted to suit the specific need of the sponsoring organisations.



### General Information

- Programmes cover a minimum batch size of 15 and maximum size of 25 participants.
- Slots would be allotted on first-cum-first serve basis.
- The training charges specified include tuition fees, course material, board and lodging, transport for field and service tax at the applicable rates of the Government.
- The programme fees are subject to revision and the revised structure would be applicable from the date of its revision.
- Demand draft or at par cheque towards the training fees should be drawn in favour of "National Dairy Development Board", payable at Jalandhar and it should reach before commencement of the programme.
- Nominations should be sent at least one month prior to commencement of the programme.
- Any of the programme slots may be cancelled/postponed if sufficient number of candidates is not available.
- Intimation for cancellation of nomination should be sent at least fifteen days prior to the date of commencement of the said programme.
- No family accommodation would be provided to any candidate.

*Northern Regional Demonstration  
and Training Centre*

*Glimpses...*





**For further information please contact:**

**Principal**

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National Dairy Development Board

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