
**Name of the Division:** Animal Science  
**Name of the Institution:** ICAR-National Dairy Research Institute, Karnal  
**RFD Nodal Officer:** Dr. B.S. Chandel, PS, DESM

<table>
<thead>
<tr>
<th>Objectives</th>
<th>Weight (%)</th>
<th>Actions</th>
<th>Success indicators</th>
<th>Unit</th>
<th>Weight (%)</th>
<th>Target/criteria value</th>
<th>Achievement</th>
<th>Performance</th>
<th>Percent achievements against Target values of 90% Col</th>
<th>Reasons for shortfalls/ excessive achievements, if applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>To strengthen higher education and capacity building for dairy R&amp;D in the country</td>
<td>27</td>
<td>Educate &amp; assess students for undergraduate degree B.Tech. (DT)</td>
<td>Graduate degrees awarded</td>
<td>Number</td>
<td>9</td>
<td>100% 90% 80% 70% 60%</td>
<td>100 9 16 10 43</td>
<td>100 9.00</td>
<td>143.3 Previous batch students qualified for degree</td>
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<tr>
<td></td>
<td></td>
<td>Educate, guide &amp; assess students for Masters &amp; Doctoral degrees</td>
<td>Masters &amp; Doctoral degrees awarded</td>
<td>Number</td>
<td>13</td>
<td>100 90 80 70 60</td>
<td>177</td>
<td>100 13.00</td>
<td>110.6 As per target</td>
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<tr>
<td></td>
<td></td>
<td>Organization of advanced training programmes/ CAFT, winter &amp; summer schools</td>
<td>Training programmes organized</td>
<td>Number</td>
<td>5</td>
<td>100 90 80 70 60</td>
<td>112.5</td>
<td>100 4.75</td>
<td>112.5 As per target</td>
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<tr>
<td>Improvement of productivity, fertility and adaptability of dairy animals</td>
<td>22</td>
<td>Production, evaluation and dissemination of quality germplasm</td>
<td>Dissemination of quality frozen semen doses</td>
<td>Number</td>
<td>7</td>
<td>100 90 80 70 60</td>
<td>73474</td>
<td>89.0 6.23</td>
<td>98.0 As per target</td>
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<tr>
<td></td>
<td></td>
<td>Genetic profiling of cattle &amp; buffaloes and technological interventions for augmentation of productivity, fertility &amp; adaptability</td>
<td>Animals screened/year for molecular genetic profiling</td>
<td>Number</td>
<td>4</td>
<td>100 90 80 70 60</td>
<td>490</td>
<td>100 4.00</td>
<td>122.5 More number of students worked on this aspect</td>
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<td></td>
<td></td>
<td>Biotechnologic al interventions in relation to reproduction and production</td>
<td></td>
<td>Number</td>
<td>4</td>
<td>100 90 80 70 60</td>
<td>133.3</td>
<td>100 4.00</td>
<td>As per target</td>
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<tr>
<td>Number</td>
<td>Description</td>
<td>Number of tests conducted</td>
<td>Quantity of seed produced</td>
<td>Quintal</td>
<td>Number</td>
<td>4</td>
<td>6</td>
<td>5</td>
<td>4</td>
<td>3</td>
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<tr>
<td>2</td>
<td>Identification of unique traits in livestock (cattle &amp; buffalo) for climate resilience in different locations</td>
<td>Number</td>
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<td>3</td>
<td>Quality fodder seed production</td>
<td>Number</td>
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<tr>
<td>22</td>
<td>Innovations to enhance value addition, processing efficiency, quality and safety of dairy products</td>
<td>Number</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>22</td>
<td>Production and standardization of dairy/functional dairy products</td>
<td>Process technology developed/standardized</td>
<td>Number</td>
<td></td>
<td></td>
<td>9</td>
<td>14</td>
<td>12</td>
<td>10</td>
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<tr>
<td>22</td>
<td>Screening of potential dairy microbes</td>
<td>Quality control methods/techniques/bio assay/number of kits developed</td>
<td>Number</td>
<td></td>
<td></td>
<td>7</td>
<td>17</td>
<td>14</td>
<td>11</td>
<td>8</td>
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<tr>
<td>22</td>
<td>Innovation on dairy products’ quality and safety</td>
<td>Number</td>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>2</td>
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<tr>
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<td>To promote dairy enterprises through transfer of technology</td>
<td>Number</td>
<td></td>
<td></td>
<td></td>
<td>7</td>
<td>150</td>
<td>125</td>
<td>100</td>
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<td>9</td>
<td>Provide training to the farmers</td>
<td>Training programmes organized</td>
<td>Number</td>
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<td>7</td>
<td>150</td>
<td>125</td>
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<td>9</td>
<td>Production of technical literature for the use of farmers and other stakeholders</td>
<td>Technical literature produced</td>
<td>Number</td>
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<td>25</td>
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<td>5</td>
<td>Publication of the research articles in journals having NAAS rating of 6.0 &amp; above</td>
<td>Research articles published</td>
<td>Number</td>
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<td>3</td>
<td>168</td>
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<td>Fiscal resource management</td>
<td>Plan fund utilized</td>
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<td>98</td>
<td>96</td>
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<td>Date</td>
<td>% of Implement</td>
<td>Date</td>
<td>% of Implement</td>
<td>Date</td>
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<td></td>
<td>Timely submission of results for RFD (2013-14)</td>
<td>On-time submission</td>
<td>Date</td>
<td>1</td>
<td>01/5/2014</td>
<td>02/5/2014</td>
<td>05/5/2014</td>
<td>06/5/2014</td>
<td>07/5/2014</td>
<td>30/4/2014</td>
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<td>Enhanced Transparency/ Improved Service delivery of Ministry/ Department</td>
<td>Rating from Independent Audit of Implementation of Citizen’s/ Client Charter (CCC)</td>
<td>Degree of implementatio of commitments in CCC</td>
<td>%</td>
<td>2</td>
<td>100</td>
<td>95</td>
<td>90</td>
<td>85</td>
<td>80</td>
<td>100</td>
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<td>Independent Audit of implementation of Grievance Redressal Management (GRM) system</td>
<td>Degree of success in implementing GRM</td>
<td>%</td>
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<td>100</td>
<td>95</td>
<td>90</td>
<td>85</td>
<td>80</td>
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<td>Implementation of agreed milestones of approved Mitigated Strategies for Reduction of potential risk of corruption (MSC)</td>
<td>% of implementatio n</td>
<td>%</td>
<td>1</td>
<td>100</td>
<td>90</td>
<td>80</td>
<td>70</td>
<td>60</td>
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<td>Implementation of agreed milestone for ISO 9001</td>
<td>% of implementatio n</td>
<td>%</td>
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<td>100</td>
<td>95</td>
<td>90</td>
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<td>80</td>
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<td>Implementation of milestones of approved Innovation Action Plans (IAPs)</td>
<td>% of implementatio n</td>
<td>%</td>
<td>2</td>
<td>100</td>
<td>90</td>
<td>80</td>
<td>70</td>
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Total Composite Score = 97.73
Rating: Excellent