**NSDA Reference**

To be Added by NSDA

CONTACT DETAILS OF THE AWARDING BODY FOR THE QUALIFICATION

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| 1. **Name and address of awarding body:**   **National Academy of RUDSETI**  **Chitrapur Bhavan**  **15th Cross, 8th Main**  **Malleswaram**  **Bengaluru- 560 055**  **Ph: 080- 2346 2875**  **Email:** [**info@rudsetacademy.org**](mailto:info@rudsetacademy.org)   1. **Name and contact details of the Individual dealing with the submission:**   **Name: Sri. R. R. Singh**  **Position in the Organization**: **Director General**  **Address:** Same as above  **Email:** [**dg@rudsetacademy.org**](mailto:dg@rudsetacademy.org)   1. **List of Documents submitted in support of the Qualifications file (Annexure)** 2. **About National Academy of RUDSET** 3. **RUDSETI Model of Entrepreneurship Development** 4. **Curriculum document /Syllabus** 5. **Session Plan** 6. **Bank wise list of RSETIs** 7. **Research Studies regarding RUDSETI/RSETI** 8. **Success Stories** |

# SUMMARY

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| **Qualification Title:** **Dairy Farming and Vermi-Compost Making** |
| **Qualification Code: NARQ30006-AGRI** |
| **Nature and Purpose of the Qualification:**  To train farmers / unemployed youth to set up their own Dairy / Vermi-Compost Making Unit as a business enterprise. According to NSSO Data (2013) among workers in rural areas, 54.2% are self-employed and 38.6% work as casual labor, where as only 7.2% have regular wage employment. Most of the self employed are engaged in agriculture and have very little formal skills both in farm and non-farm occupations. Hence, the need to skill rural youth so that the next generation of workers become skilled, productive and contribute positively for the growth of the economy. |
| **Body/bodies which will award the qualification:**  **National Academy of RUDSETI, Bengaluru**  The National Academy of RUDSETI was established in April 2009 in response to an emerging need for capacity building and mentoring of more than 585 Rural Self Employment Training Institutes (RSETIs) established in each district of the country as joint venture between different Banks and the Ministry of Rural Development, Government of India to work as National Level Resource Organization for RUDSETIs and RSETIs and other similar type of Institutes   1. To design and conduct training programmes and undertake project in Enterprise Promotion, Rural Development, Technology Transfer and imparting Human Resource Development (HRD) concepts. 2. To conduct research and development work in the field of Entrepreneurship Development 3. To act as a advisory to policy makers relating to Enterprise Promotion and Rural Development (for Government /NGOs/ Other Organizations / Financial Institutions /Corporate Entities / Central Secretariat, RUDSETI) 4. To take up any other activities connected with Rural Development and Entrepreneurship Development and Rural Development. 5. To provide Consultancy and Counseling Services in the field of Entrepreneurship Development and Rural Development. 6. Any other activity aimed at Development of Entrepreneurship, Rural Development and serving the society at large.   (See Annexure I for a complete profile of NAR and Annexure II for RUDSETI model of Entrepreneurship Development) |
| **Body which will accredit providers to offer courses leading to the qualification:**    National Academy of RUDSETI, Bengaluru |
| **Body/bodies which will be responsible for assessment:**    National Academy of RUDSETI, Bengaluru |

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| **Occupation(s) to which the qualification gives access:**  This qualification will enable the trainee to establish and run a small dairy unit with provision to produce   vermi-compost. Besides skills in the field of dairying, the qualification will give access to the trainee to:   1. Acquire and internalize the required Entrepreneurial Competencies (skill as well as attitude). 2. Knowledge and techniques for identifying the business opportunities, selection of an entrepreneurial activity, launching of the venture and skills for managing a Micro Enterprise. 3. Build confidence in one’s own abilities |
| **Proposed level of the qualification in the NSQF:**  Level 3 |
| **Anticipated volume of training/learning required to complete the qualification:**  80 hours  (See Annexure III & IV for Curriculum & Session Plan) |
| **Entry requirements / recommendations:**  Male or Female Candidates in the age group of 18 to 45 years having inclination for taking up dairying as a self employment venture. Candidates with agricultural background are preferred. |
| **Progression from the qualification:**  This qualification will enable the trainees to become Self Employed by establishing and running a small dairy and vermi-compost unit. If the candidate is able to successfully do this he/she can expand the dairy business and also provide employment to more persons. |
| **Planned arrangements for the Recognition of Prior learning (RPL):**  Not applicable |
| **International comparability where known:**  **------** |

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| **Formal structure of the qualification** | | | |
| **Dairy Farming and Vermi-Compost Making** | **Mandatory/**  **Optional** | **Estimated Size (learning hours)** | **Level** |
| **A - Entrepreneurship**   1. Importance of Self Employment & developing self confidence 2. Entrepreneurial competencies 3. Banking, insurance and management   **B. Domain/Technical Knowledge**   1. Introduction to Dairy Industry and input requirements, 2. Site selection, 3. Cattle selection, 4. Budget estimation 5. Procurement of inputs 6. Construct and maintain shed for cattle 7. Prepare and give recommended feed and water for livestock 8. Maintain health of livestock along with productivity 9. Vaccination of cattle, nutrients requirements, 10. Understand and prepare forage 11. Effective marketing of dairy products 12. Ensure safe and clean dairy farm, Maintain Hygiene 13. Knowledge the scientific methods of vermin compost making | Mandatory | 12 hours  24 hours  (Theory) | Level 3  Level 3 |
| **Professional Skills**   1. Construction of shed 2. Maintaining animals 3. Cultivation of fodder 4. Proper feeding of animals 5. Milking cattle 6. Marketing of Milk and other by-products 7. Procure earthworms for vermin-composting from a reliable source 8. Inoculate worms into bed. 9. Prepare feed and manage the vermin-composting process | Mandatory | 30 hours | Level 3 |
| **Core Skills**   1. Business Opportunity Identification 2. Problem solving 3. Time management 4. Communication 5. Business Management skills | Mandatory | 10 hours | Level 3 |
| **Admission & Examination** | Mandatory | 4 hours | - |
| **Total Duration of the Course** | | | 80 hours |

**SECTION 1 - ASSESSMENT**

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| **Body/Bodies which will carry out assessment:**  This qualification will be used by 585 RSETIs (list is furnished in Annexure V) across the country which has been established in each district. These RSETIs are controlled by commercial banks (both Government owned and Private). NAR is a separate body and there is no linkage in management and control between the RSETIs offering the training and NAR which will conduct the assessment. The assessment of outcome of the qualification will be done by NAR which is an independent organization. It is run by professionals who are expert in rural entrepreneurship development. In NAR there will be a separate vertical similar to ‘Controller of Examinations’ in Universities, which will conduct the assessment through its empanelled assessors at the RSETI level. The empanelled assessors will be provided training by NAR.  **How will RPL assessment be managed and who will carry out?**  Not Applicable  **Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, reliable and fair and show that these are in line with the requirements of NSQF.**  Assessment tools for the Qualification are decided on the basis of composition of knowledge and skill in that particular Course. All assessments shall have at least two tools viz.1. Practical test and 2. Written test and/or Viva.   1. **Assessment process:**   The assessment will be primarily carried out by collecting evidence of competence gained by the trainees by observing them at work, asking questions and initiating formative discussions to assess understanding and by evaluating their practical work. The question papers for the theory Examinations contain objective/descriptive type questions, drawings etc.  **Minimum pass mark:** Overall 50% of marks allotted   1. **Testing and certifications for the course:**   Arrangements will be made by NAR to ensure that the evidence on which assessment / judgments made are comparable for all trainees and that the judgments made does not vary from assessor to assessor. Arrangements relating to the conduct and monitoring process of assessment are as follows:   * Questions papers will be prepared by NAR in consultation with vocation experts in the field. * Structured tests at the Institute level will be administered in the presence of the assessors. * The tests will be supervised and monitored at every Centre * Theory and practical Examinations will be carried out with invigilators/examiners with the overall supervision of the certified assessors. * Examiners called for evaluation of practical will have technical expertise in the field |

**ASSESSMENT EVIDENCE**

**Assessment & Evaluation:**

The trainees will be assessed through a structured test process. The test will comprise of both written, practical and viva voce. Standard question paper will be devised keeping in view the expected outcome of the training. The test will be administered by certified and empanelled assessors at RSETI level. The technical skill component will be tested through practical examination. Both of these tests will be followed by personal interview wherein the entrepreneurial competencies will be tested. The extent of internalization of the inputs given will be tested. The face-to-face interview will assess the overall ability of the trainee concerned to perform the defined job role including behavioral aspects of entrepreneurial competencies. On getting the results of these tests from the assessors at ground level, a senior expert in entrepreneurship at NAR, Bengaluru will review the marks and on his validation, system generated certificates will be issued to the successful candidates online.

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| **Assessable Outcome** | **Performance Criteria** | **Assessment Criteria** | | |
| **Total** | **Theory** | **Practical** |
| 1. Candidate is clearly able to differentiate between Wage employment, Self-employment and Entrepreneurship 2. Understand, appreciate and develop the self-confidence for embarking on self-employment 3. Understand and internalize entrepreneurial competencies and know their importance for becoming a successful entrepreneur. 4. Trainee is able to appreciate need for continuous growth and expansion of an enterprise 5. Trainee is able to analyze major trends in a given economic sector / sub-sector and identify Business Opportunities 6. Develop effective personal management skills like time management and communication skills. 7. Trainees are able to devise a simple marketing and sales strategies and plan for a small business 8. Trainees able to manage small team of workers required for managing a small business | **PC 1** – Understanding the Context and Need for Rural Entrepreneurship Development, Role of RSETIs | 1 | 1 | 0 |
| **PC 2** – Developing Self Confidence and Positive Attitude (Micro Lab & Tower Building) | 2 | 1 | 1 |
| **PC 3** – Comparative Advantages of Entrepreneurship and Self Employment over Wage Employment | 1 | 1 | 0 |
| **PC 4** - Understanding and internalizing entrepreneurial competencies | 5 | 2 | 3 |
| **PC 5** - Understanding the process of steps in Problem Solving | 2 | 1 | 1 |
| **PC 6 –** Time Management – Understanding of Basic Concepts and ability to manage time | 3 | 2 | 1 |
| **PC 7 –** Effective Communication Skills – Understanding of Basic Concepts and ability | 2 | 1 | 1 |
| **PC 8** – Ability to assess market conditions and indentify appropriate business opportunities | 2 | 1 | 1 |
| **PC 9** – Understanding of Banking & Insurance and how it can help a start up enterprise | 2 | 1 | 1 |
| **PC 10** – Ability to Prepare Business Plan based on data obtained from Market Survey | 10 | 6 | 4 |
| **PC 11** – Understanding licensing and regulatory aspects of launching an enterprise. | 2 | 1 | 1 |
| **PC12** – Ability to Maintain Books of Accounts and Develop Financial Statements for a Small Business | 5 | 3 | 2 |
| **PC 13** – Understanding and ability for Inventory and Materials Management | 5 | 3 | 2 |
| **PC14** – Understanding and ability for Sales and Marketing | 5 | 3 | 2 |
| **PC 15** – Human Resource Management – Understanding of Concepts and ability to manage a team | 5 | 3 | 2 |
| **PC16** - Understanding of Basic Laws relating to MSMEs | 5 | 3 | 2 |
| **PC17** – Growth and Strategic Planning - Understanding of Concepts | 3 | 3 | 0 |
|  | **Total REDP** | **60** | **36** | **24** |

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| **B. Technical Knowledge**   1. Understand Role of a Dairy Farmer 2. Understand the different indigenous and exotic breeds High milk yielding varieties 3. Differentiate Healthy and sick animals 4. Candidates is able to identify and name different Breed of Cows and Buffaloes 5. Understand the accommodation needs of livestock 6. Understand the different types of accommodation - Head to Head, Tail to tail 7. Understand the different methods of waste handling/ management 8. Plan and follow the routine cleaning of animal shed 9. Prepare Feed with the mixture of right components or procure quality compound feed from suppliers 10. Provide the feed and water to cattle 11. Understand the wastage minimization 12. Know the major Diseases and the remedies for their control 13. Understand the Healthy Animal parameters 14. Treat animals as per animal welfare regulations 15. Monitor the physical condition of the animals at suitable intervals, recognize, record and report any abnormal signs to Veterinary doctor. 16. Understand the pregnancy period of the cattle 17. Take Care during Pregnancy 18. Understand handling of calf, Know about Calf rearing and management 19. Understand the Mastitis disease and precautions to be taken 20. Gain knowledge about different Fodder crops 21. Understand the right time of harvesting of crops 22. Identify and use the tools and equipments for preparation of forage 23. Understand the method of forage conservation – hay making, silage preparation, chemical treatment etc 24. Know the scientific methods of vermin compost making 25. Indentify site and prepare bed for vermin-composting 26. Know how regarding different types of earthworms 27. Knowledge regarding different process of vermin-composting 28. Knowledge regarding different types of ways of prepared composting beds.   **Technical Skills**   1. Construction of shed, 2. Maintaining animals 3. Cultivation of fodder 4. Proper feeding of animals 5. Milking cattle 6. Marketing of Milk and other by-products 7. Inoculate the bed at the right time with right quantity of worms 8. Ensure proper moisture conditions in bed 9. Ensure ventilation and up-turn bed as required. 10. Harvest vermin-compost and manage the excess worms 11. Pack and sell the vermin-compost. | **Performance Criteria** | **Assessment Criteria** | | |
| **Total** | **Theory** | **Practical** |
| **PC1** Prepare animal accommodation | 3 | 1 | 1 |
| **PC2** Prepare and maintain equipment, tools and materials required on the dairy farm | 2 | Nil | 1 |
| **PC3** Dispose of waste according to established procedures | 3 | 1 | 1 |
| **PC4** Maintain accommodation in a safe and clean condition for livestock | 2 | Nil | 2 |
| **PC5** Replenish materials and supplies as required by livestock | 2 | Nil | 1 |
| **PC6** Clean tools and equipment | 2 | Nil | 1 |
| **PC7** Store equipment safely and securely in the assigned location | 2 | Nil | 1 |
| **PC8** Establish suitable environmental conditions for the animals | 3 | 1 | 2 |
| **PC9** Introduce livestock into the accommodation in a way that minimizes stress and maintains their health and welfare | 3 | 1 | 2 |
| **PC10** Monitor the livestock carefully, to ensure their on-going health and welfare is maintained | 3 | 1 | 2 |
| **PC11** Monitor environmental conditions carefully to ensure that they promote the health and well-being of livestock | 3 | 1 | 2 |
| **PC12** Adjust and replenish materials as required by the livestock | 3 | 1 | 1 |
| **PC13** Arrange for regular cleaning of animal housing areas, floors and mats of animals (if any) according to the animal accommodation and specification. | 3 | 1 | 1 |
| **PC14** Carry out cleaning routines of animals as per prescribed procedures. | 3 | 1 | 1 |
| **PC15** Arrange for regular disposal of animal waste and other wastes as per prescribed procedures. | 3 | 1 | 1 |
| **PC16** Check that the correct quantities and types of animal feed have been delivered and that they are in an acceptable condition | 3 | 1 | 2 |
| **PC17** Handle animal feed safely, and in a way that protects it from damage and contamination and minimizes wastage | 3 | 1 | 2 |
| **PC18** Store animal feed safely according to the manufacturer’s recommendations, in the order in which it is to be used | 3 | 1 | 1 |
| **PC19** Check stored animal feed regularly for any signs of pest infestation and report this to the appropriate person straight away | 3 | 1 | 1 |
| **PC20** Check stocks levels regularly and replenish it in time. | 3 | 1 | 1 |
| **PC21** Mix the appropriate proportions of feed and feed supplements depending on the age and stage of growth of animal. | 3 | 1 | 2 |
| **PC22** Prepare the correct amount of animal feed as directed in the Feeding Plan in a way that minimizes wastage | 3 | 1 | 2 |
| **PC23** Operation and maintenance of equipment used in feed preparation e.g. chaff cutter. | 3 | 1 | 1 |
| **PC24** Supply clean, fresh water to the animals according to their needs | 3 | 1 | 1 |
| **PC25** Monitor the condition of feed and water and take the appropriate action when problems occur | 3 | 1 | 1 |
| **PC26** Clean and maintain feed and water equipment according to established procedures | 3 | 1 | 1 |
| **PC27** Dispose of waste from the feeding and watering systems safely and correctly, according to established procedures | 3 | 1 | 1 |
| **PC28** Monitor the physical condition of the animals at suitable intervals, and recognize, record and report any abnormal signs | 3 | 1 | 1 |
| **PC29** Check livestock for presence of external parasites | 3 | 1 | 2 |
| **PC30** Carry out specific measures to promote and maintain animals’ health and welfare correctly and safely | 3 | 1 | 2 |
| **PC31** Immediately summon assistance for any animal’s health emergency, and initiate action appropriate to the situation | 2 | Nil | 1 |
| **PC32** Use and store drugs, medication and equipment in accordance with veterinary instructions and organizational policy | 3 | 1 | 1 |
| **PC33** Use current and uncontaminated prescribed medication only for the intended animal | 3 | 1 | 1 |
| **PC34** Maintain conducive milking environment | 3 | 1 | 2 |
| **PC35** Restrain the cow in preparing her for milking | 3 | 1 | 2 |
| **PC36** Prepare Udder before milking | 2 | Nil | 1 |
| **PC37** Check for mastitis | 3 | 1 | 2 |
| **PC38** Check and Adjust milking equipment, as required, ensuring correct operating order | 3 | 1 | 1 |
| **PC39** Perform Milking using the right technique | 3 | 1 | 2 |
| **PC40** Perform Teat dipping to prevent mastitis | 3 | 1 | 1 |
| **PC41** Weigh and store the milk into milk can | 3 | 1 | 2 |
| **PC42**Clean the milking pail and keep them in the designated place | 2 | Nil | 1 |
| **PC43** Explore various forage conservation options based on the year round requirement of feed and fodder. | 3 | 1 | 2 |
| **PC44** Identify risk factors for spoilage in forage conservation such as fire, vermin and air in silage. | 3 | 1 | 1 |
| **PC45** Ensure favorable conditions suitable for forage conservation. | 3 | 1 | 1 |
| **PC46** Prepare forage conservation machinery and equipment in accordance with manufacturer's specifications, Occupational Health and Safety (OHS) requirements. | 3 | 1 | 1 |
| **PC47** Identify dry matter target and assess dry matter content of forage material for the forage operation. | 3 | 1 | 2 |
| **PC48** Undertake basic safety checks before operation of all machinery and vehicles and hazards are reported to the appropriate supervisor | 3 | 1 | 1 |
| **PC49** Transport Products to Sale Point | 2 | Nil | 1 |
| **PC50** Sell Product properly and maintain records | 3 | 1 | 1 |
| **PC51** Identify reliable source for procuring earthworm species for vermin-composting earthworm species | 1 | Nil | 1 |
| **PC52** Select the correct types of earthworm to carry out composting | 1 | Nil | 2 |
| **PC53**. Ensure that the quantity of earthworms selected is appropriate and proportionate to the size of the vermin-bed | 1 | Nil | 1 |
| **PC54** Establish the favorable thriving conditions prior to releasing earthworms into the bed Conditions: appropriate food (correct C/N ratio), moisture level (60-70%), temperature (between 20-30 degree Celsius), light (avoid strong light), pH (not below 6) and protection | 1 | 1 | 2 |
| **PC55** Verify that the organic wastes have undergone required state of decomposition prior to introducing the earthworms | 1 | Nil | 1 |
| **PC56** Check that the selected earthworms are uniformly released over the decomposed materials as per required quality standards | 1 | 1 | 2 |
| **PC57**. Verify that the decomposed matter is loosened enough to allow air to pass | 1 | Nil | 1 |
| **PC58** Ensure that the heap is properly covered with appropriate material such as leaves, barks, bamboos, dried crop wastes, etc. | 1 | Nil | 2 |
| **PC59** Protect the vermin-composting unit against adverse weather conditions, such as rains, winds, heat, | 1 | Nil | 1 |
| **PC60** Ensure that the earthworms are allowed to feed on the decomposed materials for required period of time as per standard | 1 | 1 | 2 |
| **PC62**  Check that the heap is allowed to decompose for required period of time | 1 | Nil | 1 |
| **PC63** Sprinkle water over the heap in every 2-3 days to ensure that temperature does not increase above the required level | 1 | Nil | 1 |
| **PC64** Allow excess water to drain from the unit through appropriately constructed channels | 1 | Nil | 1 |
| **PC65** Collect the nutrients rich excess water/vermiwash in containers for further utilization | 1 | Nil | 2 |
| **PC66** Comply with relevant agricultural practices to protect earthworms from some animals and insects | 1 | Nil | 1 |
| **PC67** Collect the top layer manually following approved procedures and in accordance with the vermin-composting method used such as tub method, container, etc. | 1 | Nil | 1 |
| **PC68** Recycle the process by refilling the bed with partially prepared organic wastes in required quantity and ratio as per the type of vermin-composting method selected | 1 | Nil | 1 |
| **PC69** Ensure that the compost collected is sun dried and sieved to obtain good quality material | 1 | Nil | 1 |
| **PC70** Pack the compost in bags or containers made of suitable materials | 1 | Nil | 1 |
| **PC71** Store the bags or containers in cool and dry place | 1 | Nil | 1 |
| **PC72** Leave the work area in a safe condition and in accordance with environmental health & safety | 1 | Nil | 1 |
| **Total Technical Knowledge and Skills** | | **140** | **44** | **96** |
| **Total for the Entire Course** | | **200** | **80** | **120** |
| **Means of Assessment - Written Test and Viva Voce, Pass Percentage = 50 % of the total Marks** | | | | |

# SECTION 2 - EVIDENCE OF LEVEL

Option B: Key Requirements of the Job Role

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| **Title of the Qualification: Dairy Farming and Vermi-Compost Making** | | | | |
| **NSQF LEVEL – 3** | | | | |
| **Process Required** | **Professional Knowledge** | **Professional Skills** | **Core Skills** | **Responsibility** |
| **Person may carry out a job which may require limited range of activities routine and predictable** | **Basic facts, process and principle applied in trade of employment** | **Recall and demonstrate practical skill, routine and repetitive in narrow range of application, using appropriate rule and tool, using quality concepts** | **Language to communicate written or oral, with required clarity, skill to basic arithmetic and algebraic principles, personal banking, basic understanding of social and natural environment** | **Under close supervision.**  **Some responsibility for own work and learning** |
| Ability to do the routine works of maintaining dairy animals. | Factual knowledge about the different breeds, feed and fodder  and adopt the best practices of the trade | Ability to prepare and mix feed and fodder, milk the animal, maintenance of health and hygiene in dairy. Understand the economics of a dairy unit. | Ability to start and run small dairy / vermin compost making unit. This can be imparted though training. | Since this training leads to self employment, responsibility for won work and learning is to be present and demonstrated |

# SECTION 3 - EVIDENCE OF NEED

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| **What evidence is there that the qualification is needed?**  Entrepreneurship has been embedded in the Indian genius and is a part of its tradition. India traditionally has been an entrepreneurial society. Traditionally, the entrepreneurship of many communities has been facilitated principally by the successful use of informal ‘entrepreneurial ecosystems’ and interdependent business networks. Further, there is also a rich tradition within the Indian Diaspora, spanning the past several hundred years, whose spirit of enterprise is legion.  Entrepreneurship in India occurs in ‘far more encompassing and far reaching ways than in developed countries’, and could therefore be far more complex, for there is so much more that needs to be done. Commentators today celebrate the ubiquitous Indian attitude of ‘*Jugaad’* (a Hindi word roughly translated as ‘creative improvisation) tool to somehow find a solution based on a refusal to accept defeat, and calling on initiative, quick thinking, cunning and resolve to quickly fulfill market demands at the lowest possible prices) as an entrepreneurial trait that has been as much a part of everyday Indian living as its rich tradition of philosophy and speculation.    In order to give impetus to this growing demand of first generation entrepreneurs to gain formal training in entrepreneurship knowledge and skills RSETIs have been established by various Banks. Ministry of Rural Development gives part funding of the training. The RSETIs have been established on the RUDSETI models which have been proved very effective in eradicating the problems of unemployed youth. The RUDSETI model of developing rural entrepreneurs has been well researched and documented (please see Annexure VI). The trainings by these Institutes are unique in the sense they are demand based. The Institutes have got the experience of conducting these Programmes over the years.  India lives in its villages. A large number of rural populations are dependent on agriculture and other activities for its livelihood. Dairy is one of the important allied agricultural activities. Dairy sector contributes approximately 20% of the Agriculture GDP in the country. India has the largest number of cattle heads in the world. However, the per head yield of milk is one of the lowest in spite of great efforts made in the Country in the form of White Revolution. Further, this sector has great potential for employment generation.  One of the reasons for low yield of milk is reliance on age-old methods of dairy farming without adopting modern scientific methods. Hence, there is a need to train the rural unemployed youth, preferably from the agricultural families to take up dairying as a viable economic activity. This will mitigate the problem of unemployment / under-employment and migration of rural youth to cities in search of wage employment. Further, there is also scope for taking up vermi compost activity as a profitable venture along with dairy since these two activities are supplemental in nature. |

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| **In order to identify the potential programmes as per the needs of the unemployed youth, a Committee of General Managers of top 5 RSETI sponsoring Banks has been constituted. The General Managers of State Bank of India, Punjab National Bank, Bank of Baroda, Central Bank of India and Bank of India are the members of this Committee. In addition, Executive Director, RUDSETI, National Director for RSETIs and Director General, National Academy of RUDSETI who got rich field experience also joined this Committee**. **The above Committee met at Mumbai on 7th November 2016. After thorough discussions and based on the past experience the Committee short listed potential /need based courses for training rural unemployed youth in the RSETIs. The training on ‘Dairy Farming and Vermi-Compost Making’ is one such shortlisted need based training.**  (See Annexure VII for Success Stories of candidate trained in this qualification) |

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| **What is the estimated uptake of this qualification and what is the basis of this estimate?**  Presently there are 586 Rural Self Employment Training Institutes (RSETIs) across the country sponsored by various Banks. National Academy of RUDSETI is the anchoring Institution which designs and approves the training programmes being conducted by these RSETIs. The Training Modules are demand driven and are vetted by National Academy of RUDSETI, having experience of running similar programmes by the RUDSETIs since over three decades. Dairy Farming and Vermi-composing training is one of the popular programmes in the RSETIs. Candidates trained in this activity have successfully established their units by availing credit facilities or investing own funds. The RSETI MIS is enabled to record the settlement of candidates by capturing of action photos, pass book entries, loan sanction letter copy etc. which is available for verification. The number of trainees under this qualification during the past three years is as under:   |  |  |  | | --- | --- | --- | | **FY** | **No. of Training Programmes** | **Number of Candidates** | | 2013-14 | 1772 | 54889 | | 2014-15 | 2036 | 62896 | | 2015-16 | 2291 | 73156 |     So far more than 4 lakh farmers/rural youth have been trained in RSETIs in this Qualification. Cumulative settlement rate for the above training is 73% and observing the above trend, the candidates trained under the above qualification, the number of candidates to be trained in the next 3 years is estimated at more than 3.00 lakh. |

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| **What steps were taken to ensure that the qualification(s) does/do not duplicate already existing or planned qualifications in the NSQF?**    This Qualification offers a combination of technical knowledge and skills in dairy farming along with vermi-compost making along with entrepreneurial knowledge and skills. This is a unique short duration course for rural people interested in taking up dairy farming and vermin-composting. |

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| **What Arrangements are in place to monitor and review the qualification (s)? What data will be used and at point will the qualification (s) be revised or updated?**  National Academy of RUDSETI has put in place a robust MIS for RSETIs. Comprehensive data (Course wise/Bank Wise/State Wise) for all RSETIs is maintained by NAR in the said MIS. Entry level data include the photograph of the candidate other basic details. Course modules are made available in the MIS and the website of NAR. Training logs and Post Programme Reports with action photographs of the training are also made available in the MIS. Details of Settlement and credit linkages are uploaded in the MIS with action photos and documentary proofs. The State Directors of RSETIs are also visiting the RSETIs every quarter for reviewing the quality of training / settlement. Officials from the controlling offices of the Banks and NAR are also making periodic visits to the RSETIs for reviewing the activities. MIS reports are used for viewing the settlement of the trained candidates, their level of income and employment generation by them. Feedback obtained from the trained candidates, RSETI sponsoring bank and other stake holders are used to review/update the course. |

# SECTION 4 - EVIDENCE OF RECOGNITION AND PROGRESSION

**What steps have been taken in the design of this or other qualifications to ensure that there is a clear path to other qualifications in this sector?**

The candidates who undergo the training programme on dairying and vermin-composting will have the opportunity to take up other related activities such as sheep rearing, floriculture etc. and increase their income in due course. This will also help in creating incremental employment opportunities in rural areas since the entrepreneur will be able to give employment to more people in the area. The entrepreneur also may take up Advanced Dairy Management Course and other skill up-gradation / growth programmes offered by RSETIs.