

## QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR AGRICULTURE

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### What are Occupational Standards(OS)?

- OS describe what individuals need to do, know and understand in order to carry out a particular job role or function
- OS are performance standards that individuals must achieve when carrying out functions in the workplace, together with specifications of the underpinning knowledge and understanding

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## Introduction

### Qualifications Pack – Tea Plantation Worker

**SECTOR:** AGRICULTURE

**SUB-SECTOR:**Horticulture

**OCCUPATION:** Plantation Crop Cultivation

**REFERENCE ID:** AGR / Q 0204

**Tea Plantation Worker** The person is responsible to work in the Tea plantation on a given piece of land right from nuyserly preparation to harvesting and storage. He works under the direct monitoring by the supervisor and works based on the instructions of the supervisor.

**Brief Job Description:** The person is responsible for carrying out the ground level activities involved in a tea plantation right from nursery preparation to harvesting and storage.

**Personal Attributes:** The tea plantation worker should work independently, laborious and must have the ability to make operational decisions pertaining to his area of work. Requires clarity and should be result oriented. The individual should also be able to demonstrate skills to use various tools in the tea plantation.

Job Details	<b>Qualifications Pack Code</b>	<b>AGR / Q 0204</b>		
	<b>Job Role</b>	<b>Tea Plantation Worker</b> The job role is applicable for national/international scenarios		
	<b>Credits(NVEQF/NVQF/NSQF) [OPTIONAL]</b>		<b>Version number</b>	<b>1.0</b>
	<b>Sector</b>	<b>Agriculture</b>	<b>Drafted on</b>	<b>28/06/13</b>
	<b>Sub-sector</b>	<b>Horticulture</b>	<b>Last reviewed on</b>	<b>08/08/13</b>
	<b>Occupation</b>	<b>Plantation Crop Cultivation</b>	<b>Next review date</b>	<b>10/02/14</b>

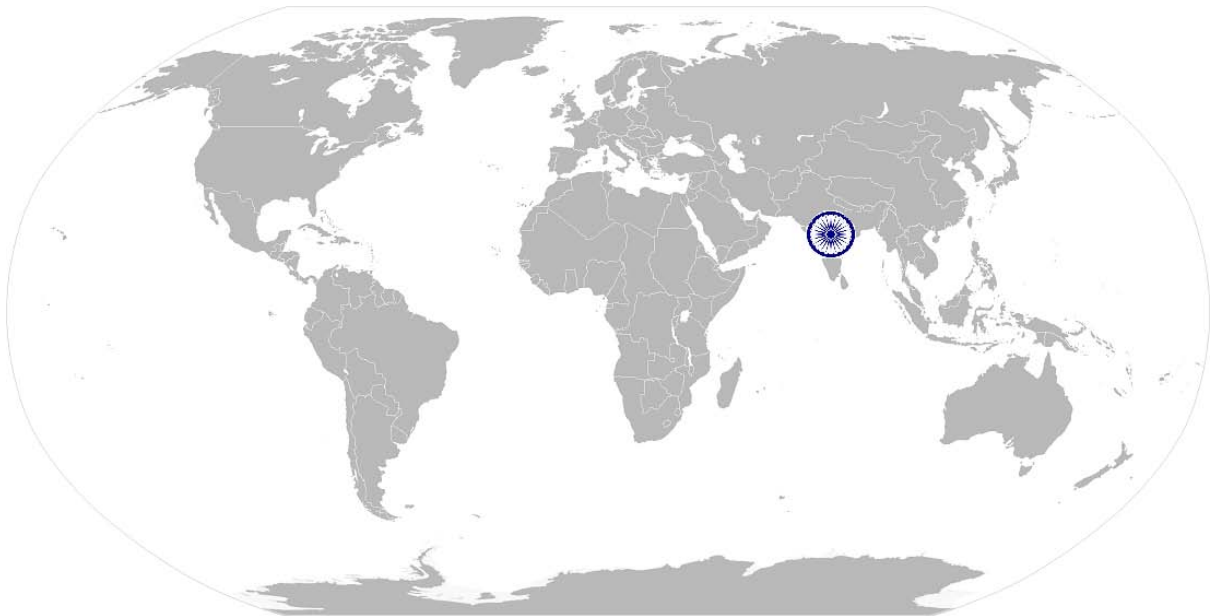
<b>Job Role</b>	<b>Tea Plantation Worker</b> (Tea farmer)
<b>Role Description</b>	The person is responsible for carrying out the ground level activities involved in a tea plantation right from nursery preparation to harvesting and storage.
<b>NVEQF/NVQF level</b>	2
<b>Minimum Educational Qualifications*</b>	No Entry Level Barrier; 5 <sup>th</sup> Standard Appeared or Pass Preferable
<b>Maximum Educational Qualifications*</b>	Not Applicable
<b>Training</b> (Suggested but not mandatory)	Not Applicable
<b>Experience</b>	One year prior experience in field (crop) operations
<b>Applicable National Occupational Standards (NOS)</b>	<b>Compulsory:</b> <ol style="list-style-type: none"> <li>1. AGR / N 0024 - Nursery Bed Preparation in Tea Plantation</li> <li>2. AGR / N 0025 - Land preparation and Transplanting in Tea Plantation</li> <li>3. AGR / N 0026 - Integrated Nutrient Management (scientific word) in Tea Plantation</li> <li>4. AGR / N 0027 - Training and Pruning in Tea Plantation</li> <li>5. AGR / N 0028 - Integrated Pest and Disease Management (scientific word) in Tea Plantation</li> <li>6. AGR / N 0029 - Irrigation in Tea Plantation</li> <li>7. AGR / N 0030 - Harvesting in Tea Plantation</li> </ol>
<b>Performance Criteria</b>	As described in the relevant OS units

Keywords /Terms	Description
Sector	Sector is a conglomeration of different business operations having similar businesses and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components
Occupation	Occupation is a set of job roles, which perform similar/related set of functions in an industry.
Function	Function is an activity necessary for achieving the key purpose of the sector, occupation, or area of work, which can be carried out by a person or a group of persons. Functions are identified through functional analysis and form the basis of OS.
Job Role	Job role defines a unique set of functions that together form a unique employment opportunity in an organization.
OS	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the knowledge and understanding they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria	Performance Criteria are statements that together specify the standard of performance required when carrying out a task.
NOS	NOS are Occupational Standards which apply uniquely in the Indian context.
Qualifications Pack Code	Qualifications Pack Code is a unique reference code that identifies a qualifications pack.
Qualifications Pack	Qualifications Pack comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A Qualifications Pack is assigned a unique qualification pack code.
Unit Code	Unit Code is a unique identifier for an Occupational Standard, which is denoted by an 'N'.
Unit Title	Unit Title gives a clear overall statement about what the incumbent should be able to do.
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
Knowledge and Understanding	Knowledge and Understanding are statements which together specify the technical, generic, professional and organizational specific knowledge that an individual needs in order to perform to the required standard.
Organizational Context	Organizational Context includes the way the organization is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical Knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills or Generic Skills	Core Skills or Generic Skills are a group of skills that are key to learning and working in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.

Vertical	Vertical may exist within a sub-sector representing different domain areas or the client industries served by the industry
Cultivar	Is Cultivated Variety. To propagate true-to-type clones, many cultivars must be propagated vegetatively through cuttings, grafting, and even tissue culture. Propagation by seed usually produces something different than the parent plant.
Seed Material	Sexually or vegetatively propagated planting materials which are used for seeding and planting.
Tilth	Physical condition of soil, especially in relation to its suitability for planting or growing a crop.
FYM	Farm Yard Manure. Farmyard manure refers to the decomposed mixture of dung and urine of farm animals along with litter and left over material from roughages or fodder fed to the cattle.
INM	Integrated Nutrient Management is a practice where all sources of nutrients namely organic, inorganic (chemical fertilizer), Biofertilizer can be combined and applied to soils so that crop growth is enhanced and we can get good yield with quality product.
<b>Keywords /Terms</b>	<b>Description</b>
OS	Occupation Standard
NOS	National Occupation Standard
NVEQF	National Vocational Education and Qualification Framework
Agr	Agriculture
IPM	Integrated Pest Management
INM	Integrated Nutrient Management
FYM	Farm Yard Manure

Acronyms

# National Occupational Standard



## Overview

This unit is about dealing with Nursery Bed Preparation for Tea Plantation Worker.

## Nursery Bed Preparation in Tea Plantation

<b>Unit Code</b>	AGR / N 0024
<b>Unit Title (Task)</b>	Nursery Bed Preparation in Tea Plantation
<b>Description</b>	This OS is for a Tea Plantation Worker who is responsible for nursery bed preparation.
<b>Scope</b>	This unit/task covers the following: <ul style="list-style-type: none"> <li>Nursery Bed Preparation</li> </ul>
<b>Performance Criteria (PC) w.r.t. the Scope</b>	
<b>Element</b>	<b>Performance Criteria</b>
<b>Nursery Bed Preparation</b>	To be competent, the individual on the job must be able to: PC.1 Mix sand and soil (Preparation of Soil) PC.2 Prepare poly bags PC.3 Prepare Nucleus areas for obtaining VP (vegetative propagation) cuttings PC.4 Sow seeds or vegetative clonal propagation PC.5 Prepare cuttings for raising nursery PC.6 Harden the seedling or cuttings before taking to field for planting
<b>Knowledge and Understanding (K)</b>	
<b>A. Agro Climatic Zone</b>	The individual on the job needs to know and understand: KA1. Various climatic parameters such as maximum and minimum temperatures, intensity and distribution of precipitation (rainfall), relative humidity etc., KA2. Pest and Diseases specific to a given agro climatic region, the life cycles of these pests and diseases and the sources of infection
<b>B. Characteristics Of Cultivars</b>	The individual on the job needs to know and understand: KB1. Biotic and abiotic stress factors of tea plantation (in terms of temperature fluctuations, dry spells, heavy downpour during critical stages etc.,)
<b>C. Nursery Bed Preparation</b>	The individual on the job needs to know and understand: KC1. Practices of nursery preparation KC2. Pest and Disease control in Nurseries
<b>Skills (S) [Optional]</b>	
<b>A. Core Skills/ Generic Skills</b>	<b>Writing Skills</b>
	The individual on the job needs to know and understand how to: SA1. Write and possess basic writing skills in order to communicate SA2. Collect / compile data for record Maintenance SA3. Report problems to the appropriate personnel in a timely manner
	<b>Reading and Comprehension Skills</b>
	The individual on the job needs to know and understand how to: SA4. Read and understand instructions / labels about the use of seeds, manure/fertilizer, irrigation equipment, etc. SA5. Read and understand the hazards of use and contamination written on the labels of pesticides



**Nursery Bed Preparation in Tea Plantation**

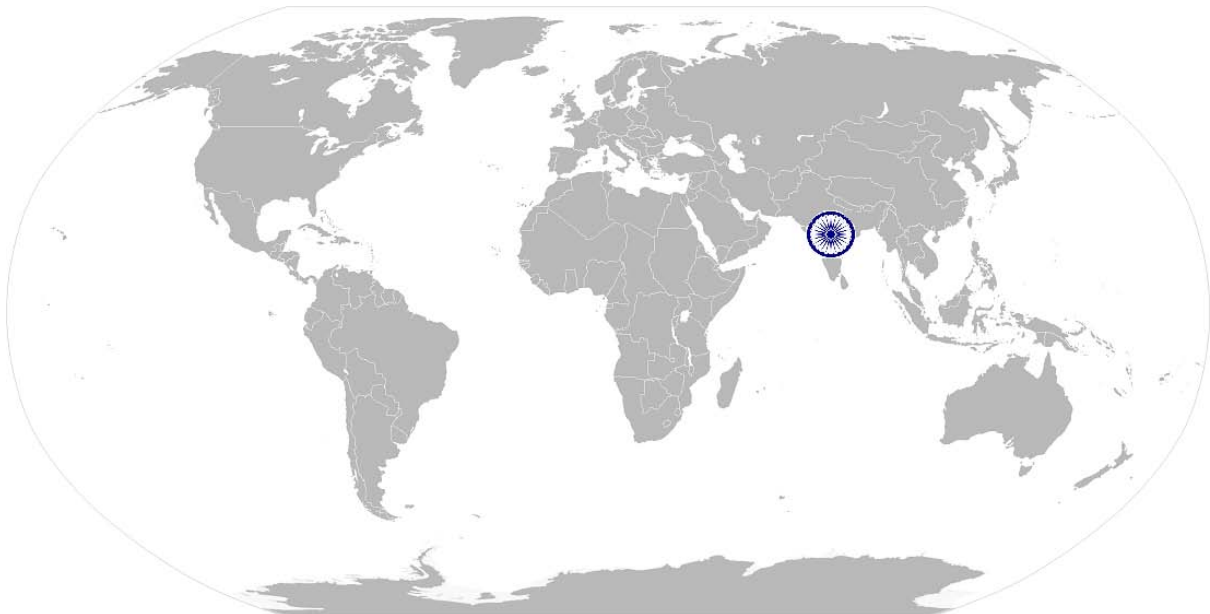
	<b>Oral Communication (Listening and Speaking skills)</b>
	The individual on the job needs to know and understand how to: SA6. Maintain effective working relationships SA7. Communicate clearly and effectively with others workers and supervisors SA8. Seek advice from seniors
<b>B. Professional Skills</b>	<b>Decision Making</b>
	The individual on the job needs to know and understand how to: SB1. Make decisions pertaining to the concerned area of work for any issues which is instant
	<b>Problem Solving</b>
	The individual on the job needs to know and understand how to: SB2. Deal with others workers lacking the technical knowledge for tea plantation to solve the operational problems on their own
	<b>Analytical Thinking</b>
	The individual on the job needs to know and understand how to: SB3. Maintain the material and equipment required for nursery bed preparation
	<b>Critical Thinking</b>
The individual on the job needs to know and understand how to: SB4. Apply, analyze, and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action	



**Nursery Bed Preparation in Tea Plantation**

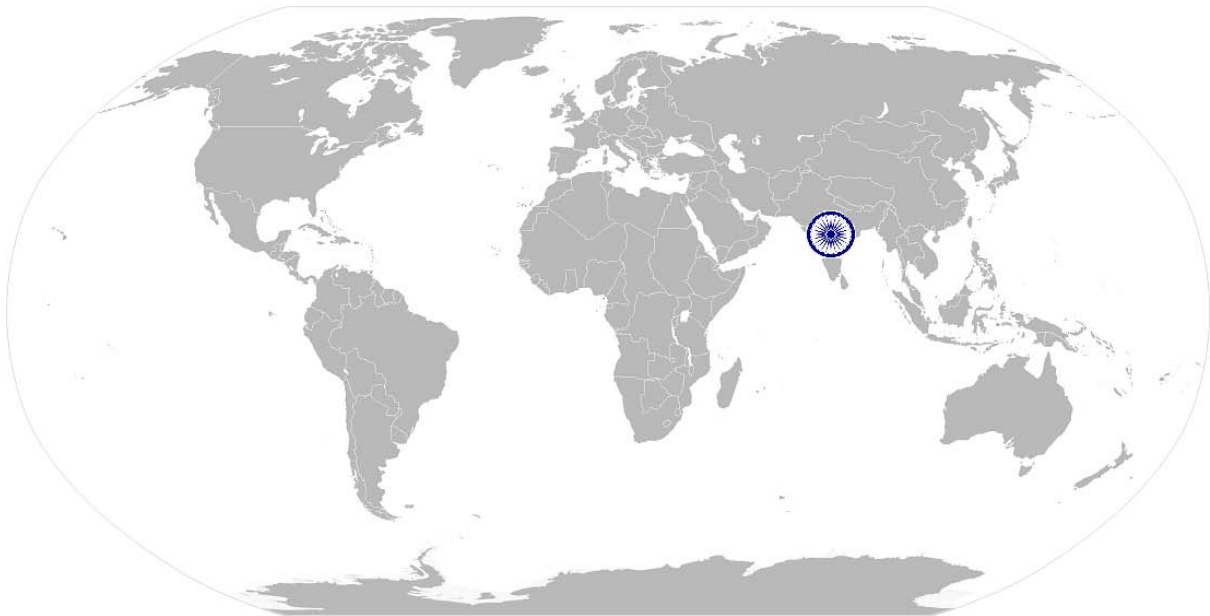
**NOS Version Control**

<b>NOS Code</b>	<b>AGR / N 0024</b>		
<b>Credits(NVEQF/NVQF/NSQF) [OPTIONAL]</b>	<b>TBD</b>	<b>Version number</b>	<b>1.0</b>
<b>Industry</b>	<b>Agriculture</b>	<b>Drafted on</b>	<b>28/06/13</b>
<b>Industry Sub-sector</b>	<b>Horticulture</b>	<b>Last reviewed on</b>	<b>08/08/13</b>
		<b>Next review date</b>	<b>10/02/14</b>





# National Occupational Standard



## Overview

This unit is about dealing with Land preparation and Transplantation in Tea plantation.

**Land preparation and Transplantation in Tea Plantation**

<b>Unit Code</b>	<b>AGR / N 0025</b>
<b>Unit Title (Task)</b>	<b>Land preparation and Transplantation in Tea Plantation</b>
<b>Description</b>	This OS is for a Tea Plantation Worker who is responsible for preparing the field and transplanting through appropriate methods.
<b>Scope</b>	This unit/task covers the following: <ul style="list-style-type: none"> <li>• Land Preparation</li> <li>• Seedling / Cutting Transplantation</li> </ul>
<b>Performance Criteria (PC) w.r.t. the Scope</b>	
<b>Element</b>	<b>Performance Criteria</b>
<b>Land Preparation</b>	To be competent, the individual on the job must be able to: <ul style="list-style-type: none"> <li>PC1. Clean the field for planting of new tea plants after rehabilitation by green crop</li> <li>PC2. Level the field through mechanical and manual means after ploughing &amp; sub-soiling</li> <li>PC3. Construct drains</li> <li>PC4. Layout of the field</li> <li>PC5. Prepare field for planting</li> </ul>
<b>Seedling / Cutting Transplantation</b>	<ul style="list-style-type: none"> <li>PC6. Put out stakes (markers) for planting pits</li> <li>PC7. Making Pits for planting</li> <li>PC8. Apply planting manure as per recommendation</li> <li>PC9. Plant tea plants</li> <li>PC10. Plant shade trees at suitable recommended distances</li> <li>PC11. Perform mulching &amp; required field practices</li> <li>PC12. Control weeds</li> <li>PC13. Infilling vacancy</li> </ul>
<b>Knowledge and Understanding (K)</b>	
<b>A. Land Preparation</b>	The individual on the job needs to know and understand: <ul style="list-style-type: none"> <li>KA1. Methods and components of land preparation</li> <li>KA2. Based on the soil type, various methods of land preparation to maintain soil tilth</li> <li>KA3. Various farm machinery available and their utility to maintain soil tilth and health</li> </ul>
<b>B. Seedling Transplanting</b>	The individual on the job needs to know and understand: <ul style="list-style-type: none"> <li>KB1. Challenges in transplanting</li> <li>KB2. Space maintenance and transplanting and the influence on the crop yield</li> </ul>
<b>Skills (S) [Optional]</b>	
<b>A. Core Skills/ Generic Skills</b>	<b>Writing Skills</b>
	The individual on the job needs to know and understand how to: <ul style="list-style-type: none"> <li>SA1. Write and possess basic writing skills in order to communicate</li> <li>SA2. Data collection / compilation for record Maintenance</li> <li>SA3. Report problems to the appropriate personnel in a timely manner</li> </ul>

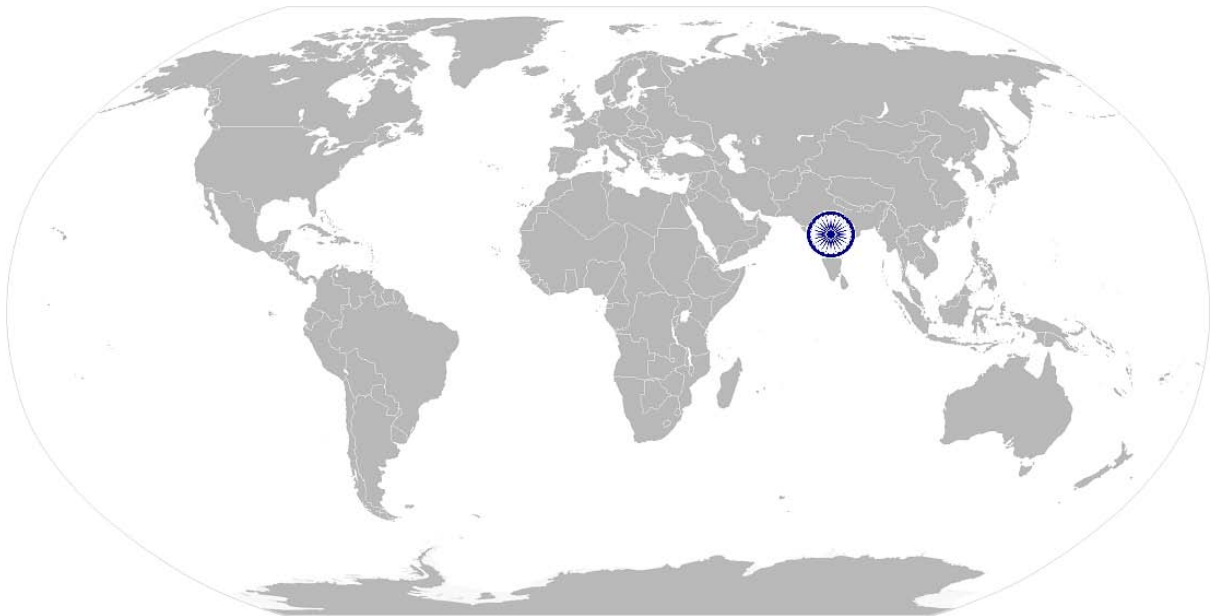
**AGR/ N 0025**
**Land preparation and Transplantation in Tea Plantation**

	<b>Reading and Comprehension Skills</b>
	The individual on the job needs to know and understand how to: SA4. Read and understand instructions / labels about the use of seeds, manure/fertilizer, irrigation equipment, etc.
	<b>Oral Communication (Listening and Speaking skills)</b>
	The individual on the job needs to know and understand how to: SA5. Maintain effective working relationships SA6. Communicate clearly and effectively with others workers and supervisors SA7. Understand information and grasp its meaning SA8. Seek advice from seniors
<b>B. Professional Skills</b>	<b>Decision Making</b>
	The individual on the job needs to know and understand how to: SB1. Make decisions pertaining to the concerned area of work for any issues which is instant
	<b>Problem Solving</b>
	The individual on the job needs to know and understand how to: SB2. Deal with others workers lacking the technical knowledge for tea plantation to solve the operational problems on their own
	<b>Analytical Thinking</b>
	The individual on the job needs to know and understand how to: SB3. Maintain the material and equipment required for land preparation and transplantation
	<b>Critical Thinking</b>
The individual on the job needs to know and understand how to: SB4. Apply, analyze, and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action	

## NOS Version Control

NOS Code	AGR / N 0025		
Credits(NVEQF/NVQF/NSQF) [OPTIONAL]	TBD	Version number	1.0
Industry	Agriculture	Drafted on	28/06/13
Industry Sub-sector	Horticulture	Last reviewed on	08/08/13
		Next review date	10/08/14

# National Occupational Standard



## Overview

This unit is about dealing with Integrated Nutrient Management (scientific word) as per the instructions of the supervisor in Tea cultivation.

**AGR/ N 0026 Integrated Nutrient Management (scientific word) in Tea Plantation**

<b>Unit Code</b>	<b>AGR/ N 0026</b>
<b>Unit Title (Task)</b>	<b>Integrated Nutrient Management (scientific word) in Tea Plantation</b>
<b>Description</b>	This OS is for a tea plantation worker who is responsible for Integrated Nutrient Management (scientific word) as per instruction of the supervisor in Tea Plantation.
<b>Scope</b>	This unit/task covers the following: <ul style="list-style-type: none"> <li>• Soil Sampling and Testing</li> <li>• Application of Organic and Inorganic Fertilizers</li> <li>• Weed control</li> </ul>
<b>Performance Criteria (PC) w.r.t. the Scope</b>	
<b>Element</b>	<b>Performance Criteria</b>
<b>Soil Sampling and Testing</b>	To be competent, the individual on the job must be able to: <ul style="list-style-type: none"> <li>PC.1 Take soil as per the recommended sampling procedure from the field (V/Z/W shape)</li> <li>PC.2 Dry the soil and prepare samples as per procedure</li> <li>PC.3 Pack and label the soil sample for submission to nearby soil testing laboratory for analysis</li> <li>PC.4 Amend soil as per need under management guidance &amp; recommendation</li> </ul>
<b>Application of Organic and Inorganic Fertilizers</b>	<ul style="list-style-type: none"> <li>PC.5 Apply the FYM to the soil as per recommended dosage and procedure before planting and during crop cultivation (if required)</li> <li>PC.6 Adopt various cultural practices that enhances the soil nutrient status for the benefit of crop stand</li> <li>PC.7 Apply recommended dose of manure and fertilizers as ground application</li> <li>PC.8 Apply micro-nutrients by foliar spray as per the recommendation</li> </ul>
<b>Weed Control</b>	<ul style="list-style-type: none"> <li>PC.9 Take up Weed control as per recommendation</li> <li>PC.10 Remove rogue infected plant/ plant parts</li> <li>PC.11 Perform weeding manually / herbicides as per the recommendations and instructions</li> </ul>
<b>Knowledge and Understanding (K)</b>	
<b>A. Soil Sampling And Testing</b>	The individual on the job needs to know and understand: <ul style="list-style-type: none"> <li>KA1. Various procedures of soil sampling</li> <li>KA2. Various soil amendments</li> </ul>
<b>B. Soil Type And Nutrient Status</b>	The individual on the job needs to know and understand: <ul style="list-style-type: none"> <li>KB1. Soil types, their advantages and disadvantages in the light of tea cultivation with reference to the nutrient status</li> </ul>
<b>C. Procedures Of Fertilizer / Micro Nutrient Application</b>	The individual on the job needs to know and understand: <ul style="list-style-type: none"> <li>KC1. Appropriate methods of application of various fertilizers and micro nutrients</li> <li>KC2. Application timing in a day</li> <li>KC3. Time of application in the crop life cycle</li> <li>KC4. Use and methods of plant growth regulators</li> </ul>
<b>D. Weed Control</b>	The individual on the job needs to know and understand:


**AGR/ N 0026 Integrated Nutrient Management (scientific word) in Tea Plantation**

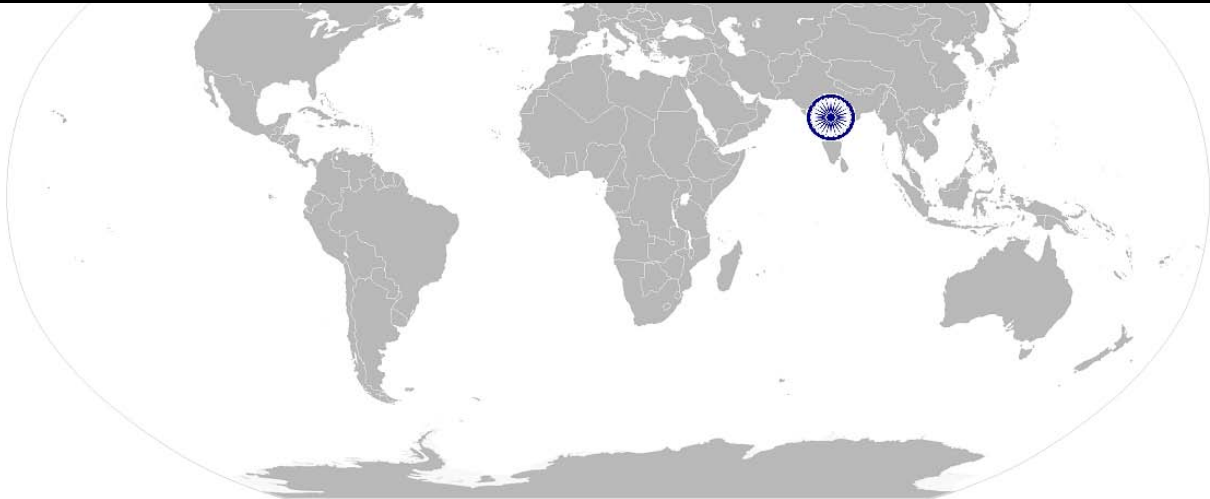
	KD1. Methods of Weed Control KD2. Critical Stages of weed control
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Skills (S) [Optional]	
<b>A. Core Skills/ Generic Skills</b>	<b>Writing Skills</b>
	The individual on the job needs to know and understand how to:
	SA1. The individual on the job needs to know and understand how to write and possess basic writing skills in order to communicate
	SA2. Collect / compile data for record maintenance
	SA3. Report problems to the appropriate personnel in a timely manner
	<b>Reading and Comprehension Skills</b>
	The individual on the job needs to know and understand how to:
	SA4. Read and understand instructions / labels about the use of seeds, manure/fertilizer, irrigation equipment, etc.
<b>B. Professional Skills</b>	<b>Oral Communication (Listening and Speaking skills)</b>
	The individual on the job needs to know and understand how to:
	SA5. Maintain effective working relationships
	SA6. Communicate clearly and effectively with others workers and supervisors
	SA7. Understand information and grasp its meaning
	SA8. Seek advice from seniors
	<b>Decision Making</b>
	The individual on the job needs to know and understand how to:
SB1. Make decisions pertaining to the concerned area of work for any issues which is instant	
<b>B. Professional Skills</b>	<b>Problem Solving</b>
	The individual on the job needs to know and understand how to:
	SB2. Deal with others workers lacking the technical knowledge for tea plantation to solve the operational problems on their own
	<b>Analytical Thinking</b>
	The individual on the job needs to know and understand how to:
	SB3. Maintain the material and equipment required for Integrated Nutrient Management (scientific word)
	<b>Critical Thinking</b>
	The individual on the job needs to know and understand how to:
SB4. Apply, analyze, and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action	

AGR/ N 0026 Integrated Nutrient Management (scientific word) in Tea Plantation

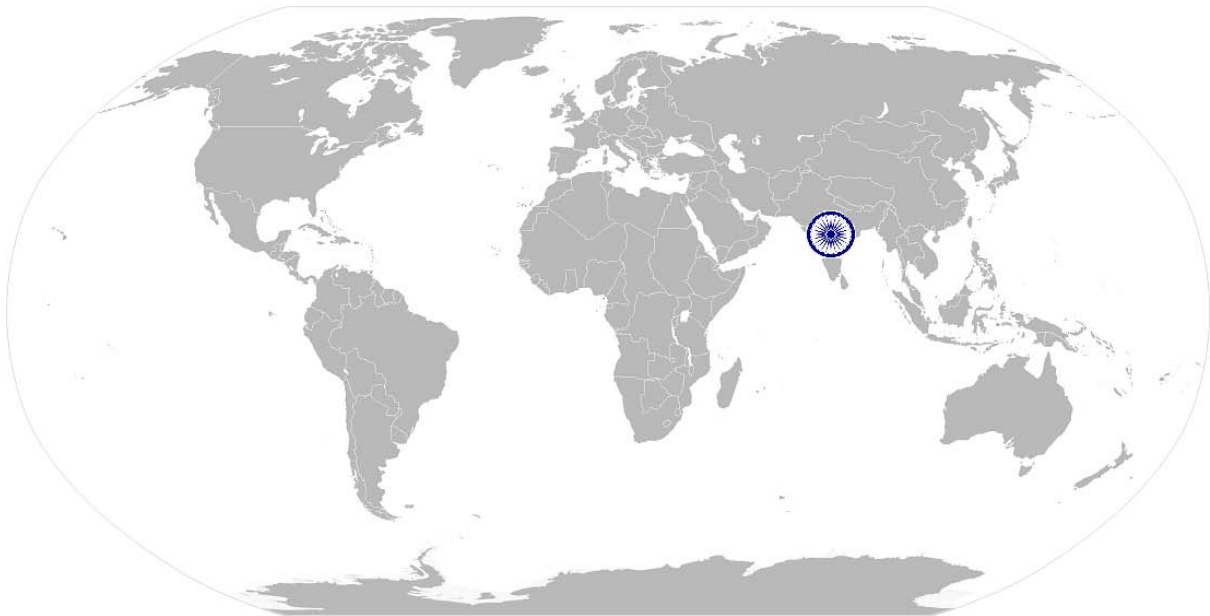
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<b>NOS Code</b>	<b>AGR / N 0026</b>		
<b>Credits(NVEQF/NVQF/NSQF) [OPTIONAL]</b>	<b>TBD</b>	<b>Version number</b>	<b>1.0</b>
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<b>Industry Sub-sector</b>	<b>Horticulture</b>	<b>Last reviewed on</b>	<b>08/08/13</b>
		<b>Next review date</b>	<b>10/02/14</b>





# National Occupational Standard



## Overview

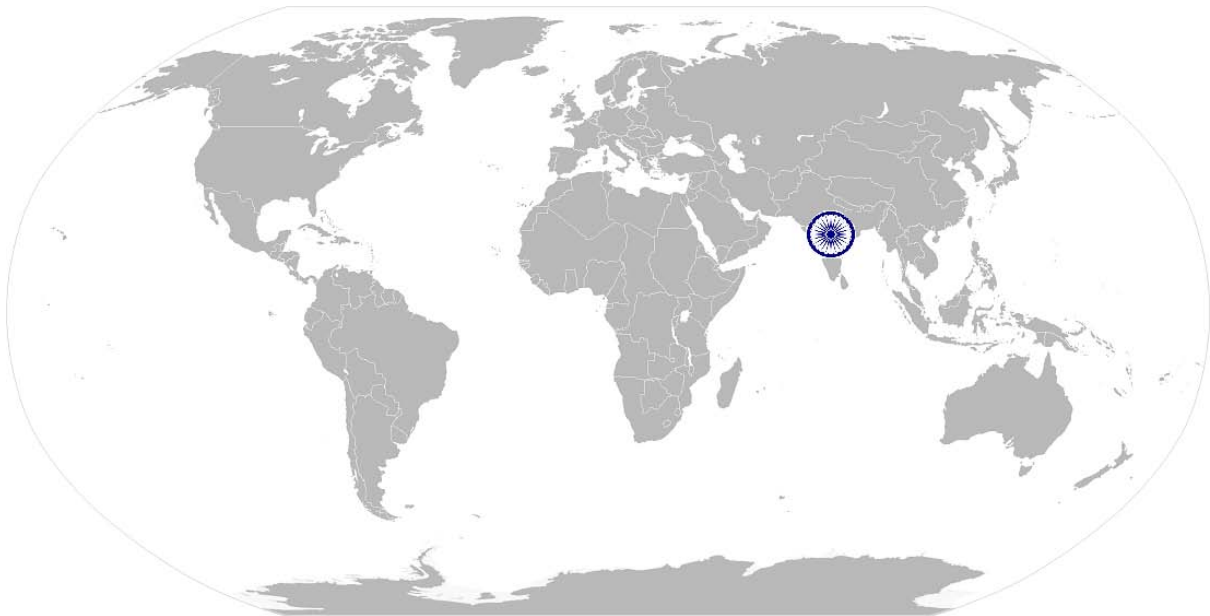
This unit is about dealing with Training and Pruning in Tea Plantation.

## Training and Pruning in Tea Plantation

<b>Unit Code</b>	<b>AGR / N 0027</b>
<b>Unit Title (Task)</b>	<b>Training and Pruning in Tea Plantation</b>
<b>Description</b>	This OS is for a Tea Plantation Worker who is responsible for Training and Pruning.
<b>Scope</b>	This unit/task covers the following: <ul style="list-style-type: none"> <li>• Training and Pruning</li> </ul>
<b>Performance Criteria (PC) w.r.t. the Scope</b>	
<b>Element</b>	<b>Performance Criteria</b>
<b>Training and Pruning</b>	To be competent, the individual on the job must be able to: <ul style="list-style-type: none"> <li>PC1. Undertake centering (or decentring as it is commonly called) (this promotes the growth of auxiliary buds and lateral branches are formed).</li> <li>PC2. Train growing branches by two stage tipping for further lateral branch formation, good spread and establishment of plucking surface</li> <li>PC3. Take up formative pruning for young tea plant as per pruning cycle</li> <li>PC4. Take up Table formation for bushes</li> <li>PC5. Bring planted area in the Pruning Cycle to keep the bushes continuously under vegetative stage</li> </ul>
<b>Knowledge and Understanding (K)</b>	
<b>A. Training and Pruning</b>	The individual on the job needs to know and understand: <ul style="list-style-type: none"> <li>KA1. Methods and Procedure of Training and Pruning</li> </ul>
<b>Skills (S) [Optional]</b>	
<b>A. Core Skills/ Generic Skills</b>	<b>Writing Skills</b>
	The individual on the job needs to know and understand how to: <ul style="list-style-type: none"> <li>SA1. Write and possess basic writing skills in order to communicate</li> <li>SA2. Collect / compile data for record maintenance</li> <li>SA3. Report problems to the appropriate personnel in a timely manner</li> </ul>
	<b>Reading and Comprehension Skills</b>
	The individual on the job needs to know and understand how to: <ul style="list-style-type: none"> <li>SA4. Read and understand instructions / labels about the use of seeds, manure/fertilizer, irrigation equipment, etc.</li> </ul>
<b>B. Professional Skills</b>	<b>Oral Communication (Listening and Speaking skills)</b>
	The individual on the job needs to know and understand how to: <ul style="list-style-type: none"> <li>SA5. Maintain effective working relationships</li> <li>SA6. Communicate clearly and effectively with others workers and supervisors</li> <li>SA7. Understand information and grasp its meaning</li> <li>SA8. Seek advice from seniors</li> </ul>
	<b>Decision Making</b>
	The individual on the job needs to know and understand how to: <ul style="list-style-type: none"> <li>SB1. Make decisions pertaining to the concerned area of work for any issues which is</li> </ul>

**Training and Pruning in Tea Plantation**

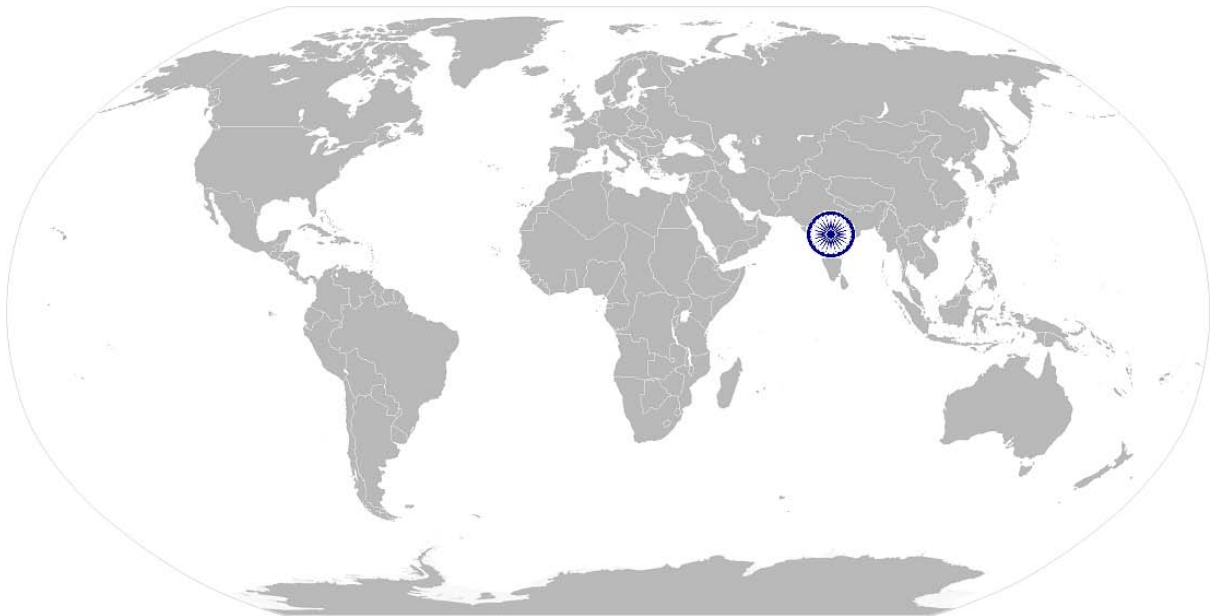
	instant
	<b>Problem Solving</b>
	The individual on the job needs to know and understand how to: SB2. Deal with others workers lacking the technical knowledge for tea plantation to solve the operational problems on their own
	<b>Analytical Thinking</b>
	The individual on the job needs to know and understand how to: SB3. Maintain the material and equipment required for training and pruning
	<b>Critical Thinking</b>
	The individual on the job needs to know and understand how to: SB4. Apply, analyze, and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action



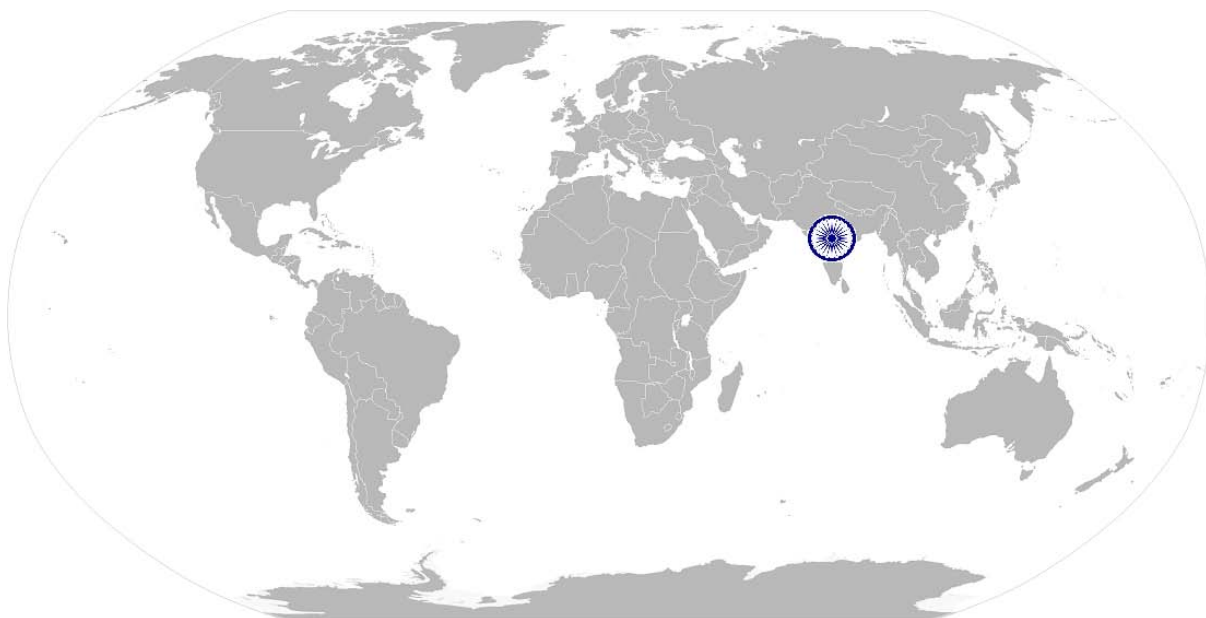
**Training and Pruning in Tea Plantation**

**NOS Version Control**

<b>NOS Code</b>	<b>AGR / N 0027</b>		
<b>Credits(NVEQF/NVQF/NSQF) [OPTIONAL]</b>	<b>TBD</b>	<b>Version number</b>	<b>1.0</b>
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<b>Industry Sub-sector</b>	<b>Horticulture</b>	<b>Last reviewed on</b>	<b>08/08/13</b>
		<b>Next review date</b>	<b>10/02/14</b>



# National Occupational Standard



## Overview

This unit is about dealing with Integrated Pest and Disease Management (scientific word) as per the instruction of the supervisor

<b>Unit Code</b>	<b>AGR / N 0028</b>
<b>Unit Title (Task)</b>	<b>Integrated Pest and Disease Management (scientific word)</b>
<b>Description</b>	This OS is for a Tea Plantation Worker who is responsible for carrying out pest and disease management (scientific word) as per the instruction of the supervisor
<b>Scope</b>	This unit/task covers the following: <ul style="list-style-type: none"> <li>• Identification of pests and understanding behaviour</li> <li>• Identification of diseases</li> <li>• Preventive and curative methods</li> </ul>
<b>Performance Criteria(PC) w.r.t. the Scope</b>	
<b>Element</b>	<b>Performance Criteria</b>
<b>Identification Of Pests And Understanding Behavior</b>	To be competent, the individual on the job must be able to: PC1. Identify signs and symptoms of damage PC2. Identify behavior of the pest (like diurnal or nocturnal, egg laying behavior, attraction to colours etc) PC3. Identify natural enemies of the pests
<b>Identification Of Diseases</b>	PC4. Identify signs and symptoms of different diseases PC5. Identify mode of transmission (implements, vectors, water, rain, wind)
<b>Preventive And Curative Methods</b>	PC6. Take up chemical and non-chemical approaches to pest and disease control
<b>Knowledge and Understanding (K)</b>	
<b>A. Technical Knowledge</b>	The individual on the job needs to know and understand: <ul style="list-style-type: none"> <li>KA1. Major pests and diseases and their behaviour</li> <li>KA2. Operations (cultural operations) and their impact on pest incidence</li> <li>KA3. Preparing various biopesticides</li> <li>KA4. Record keeping system</li> <li>KA5. Safety measures and first aid</li> <li>KA6. Handling tools and equipment</li> </ul>
<b>Skills (S) [Optional]</b>	
<b>A. Core Skills/ Generic Skills</b>	<b>Writing Skills</b>
	The individual on the job needs to know and understand: <ul style="list-style-type: none"> <li>SA1. The individual on the job needs to know and understand how to write and possess basic writing skills in order to communicate</li> <li>SA2. Data collection / compilation for record Maintenance</li> <li>SA3. Report problems to the appropriate personnel in a timely manner</li> </ul>
	<b>Reading and Comprehension Skills</b>
	The individual on the job needs to know and understand how to: <ul style="list-style-type: none"> <li>SA4. Read and understand instructions / labels about the use of seeds, manure/fertilizer, pesticides irrigation equipment, etc.</li> <li>SA5. Read and understand the hazards of use and contamination written on the labels of pesticides</li> </ul>

**AGR / N 0028 Integrated Pest and Disease Management (scientific word) in Tea Plantation**

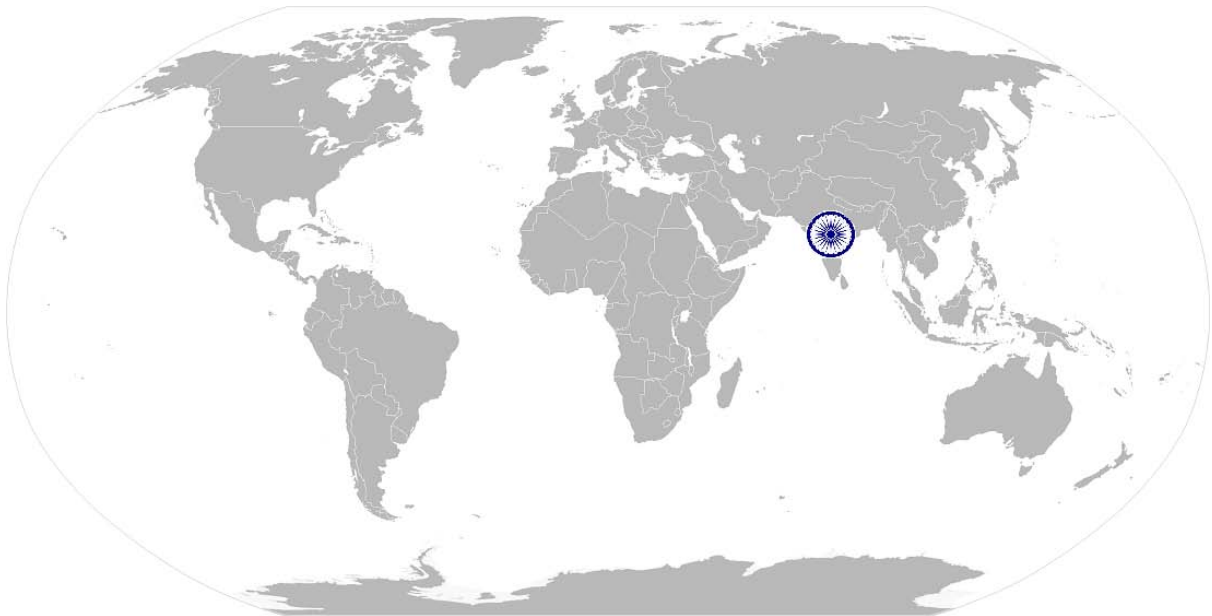
	<b>Oral Communication (Listening and Speaking skills)</b>
	The individual on the job needs to know and understand how to: SA6. Maintain effective working relationships SA7. Communicate clearly and effectively with others workers and supervisors SA8. Understand information and grasp its meaning SA9. Seek advice from seniors
<b>B. Professional Skills</b>	<b>Decision Making</b>
	The individual on the job needs to know and understand how to: SB1. Make decisions pertaining to the concerned area of work for any issues which is instant
	<b>Problem Solving</b>
	The individual on the job needs to know and understand how to: SB2. Deal with others workers lacking the technical knowledge for tea plantation to solve the operational problems on their own
	<b>Analytical Thinking</b>
	The individual on the job needs to know and understand how to: SB3. Maintain the material and equipment required for Integrated Pest and Disease Management (scientific word)
	<b>Critical Thinking</b>
The individual on the job needs to know and understand how to: SB4. Apply, analyze, and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action	

## NOS Version Control

<b>NOS Code</b>	<b>AGR / N 0028</b>		
<b>Credits(NVEQF/NVQF/NSQF) [OPTIONAL]</b>	<b>TBD</b>	<b>Version number</b>	<b>1.0</b>
<b>Industry</b>	<b>Agriculture</b>	<b>Drafted on</b>	<b>28/06/13</b>
<b>Industry Sub-sector</b>	<b>Horticulture</b>	<b>Last reviewed on</b>	<b>08/08/13</b>
		<b>Next review date</b>	<b>10/02/14</b>



# National Occupational Standard



## Overview

This unit is about dealing with Irrigation in Tea Plantation.

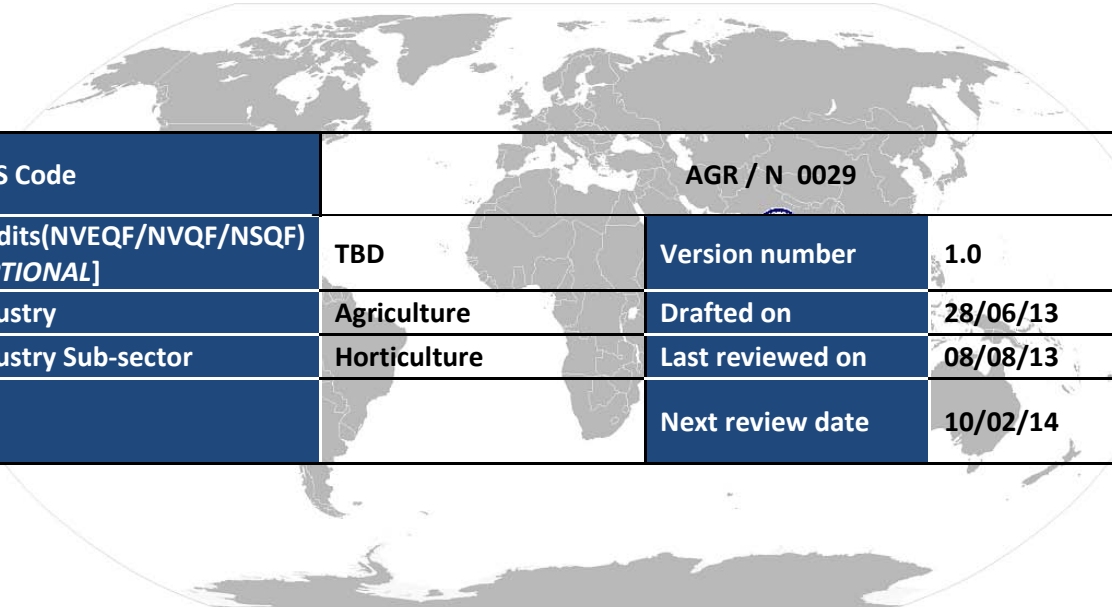
**Irrigation in Tea Plantation**

<b>Unit Code</b>	<b>AGR / N 0029</b>
<b>Unit Title (Task)</b>	<b>Irrigation in Tea Plantation.</b>
<b>Description</b>	This OS is for a tea plantation worker who is responsible for Irrigation
<b>Scope</b>	This unit/task covers the following: <ul style="list-style-type: none"> <li>Irrigation and Drainage</li> </ul>
<b>Performance Criteria (PC) w.r.t. the Scope</b>	
<b>Element</b>	<b>Performance Criteria</b>
<b>Irrigation and Drainage</b>	To be competent, the individual on the job must be able to: PC1. Irrigate based on the soil type and land slope and as per the recommendations / instruction of the supervisor PC2. Maintain drainage system by regular cleaning and weeding
<b>Knowledge and Understanding (K)</b>	
<b>A. Irrigation</b>	To be competent, the individual on the job must be able to: KA1. Interaction affects of the soil type, level of the land and water availability on the crop growth and its yield KA2. Timing and method of irrigation and drainage appropriate for a given soil type and climatic condition
<b>Skills (S) [Optional]</b>	
<b>A. Core Skills/ Generic Skills</b>	<b>Writing Skills</b>
	The individual on the job needs to know and understand how to: SA1. The individual on the job needs to know and understand how to write and possess basic writing skills in order to communicate SA2. Data collection / compilation for record Maintenance SA3. Report problems to the appropriate personnel in a timely manner
	<b>Oral Communication (Listening and Speaking skills)</b>
	The individual on the job needs to know and understand how to: SA4. Maintain effective working relationships SA5. Communicate clearly and effectively with others workers and supervisors SA6. Understand information and grasp its meaning SA7. Seek advice from seniors
<b>B. Professional Skills</b>	<b>Decision Making</b>
	The individual on the job needs to know and understand how to: SB1. Make decisions pertaining to the concerned area of work for any issues which is instant
	<b>Problem Solving</b>
	The individual on the job needs to know and understand how to: SB2. Deal with others workers lacking the technical knowledge for tea plantation to solve the operational problems on their own
	<b>Analytical Thinking</b>

**Irrigation in Tea Plantation**

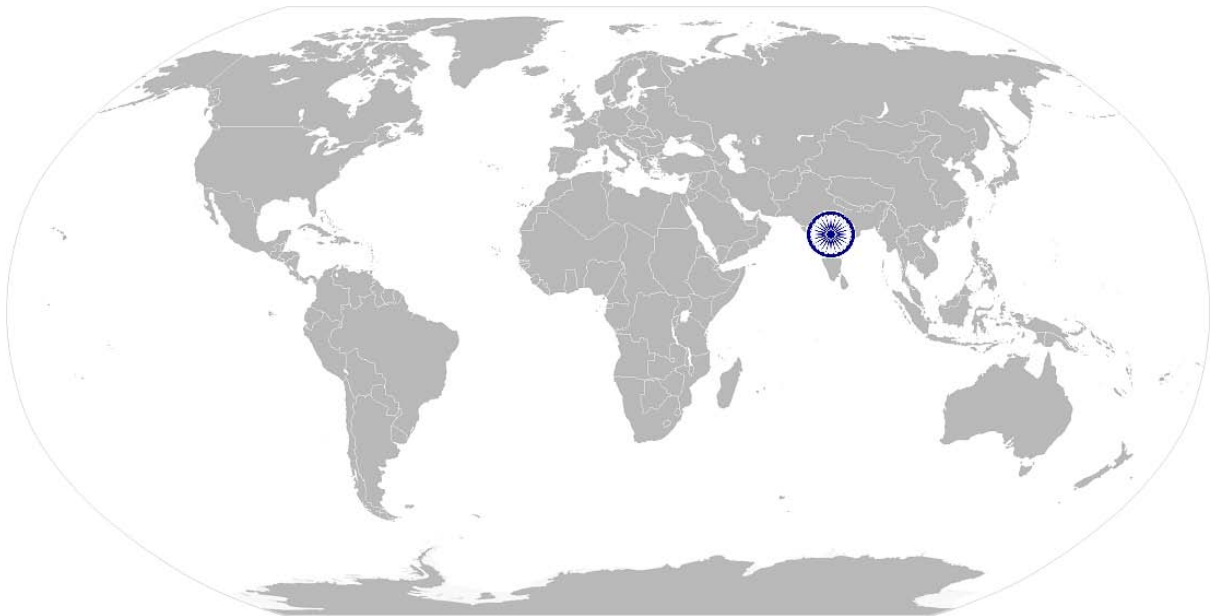
	The individual on the job needs to know and understand how to: SB3. Maintain the material and equipment required for irrigation
	<b>Critical Thinking</b>
	The individual on the job needs to know and understand how to: SB4. Apply, analyze, and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action

**NOS Version Control**



NOS Code	AGR / N 0029		
Credits(NVEQF/NVQF/NSQF) [OPTIONAL]	TBD	Version number	1.0
Industry	Agriculture	Drafted on	28/06/13
Industry Sub-sector	Horticulture	Last reviewed on	08/08/13
		Next review date	10/02/14

# National Occupational Standard



## Overview

This unit is about dealing with Harvesting in Tea Plantation.

### Harvesting in Tea Plantation

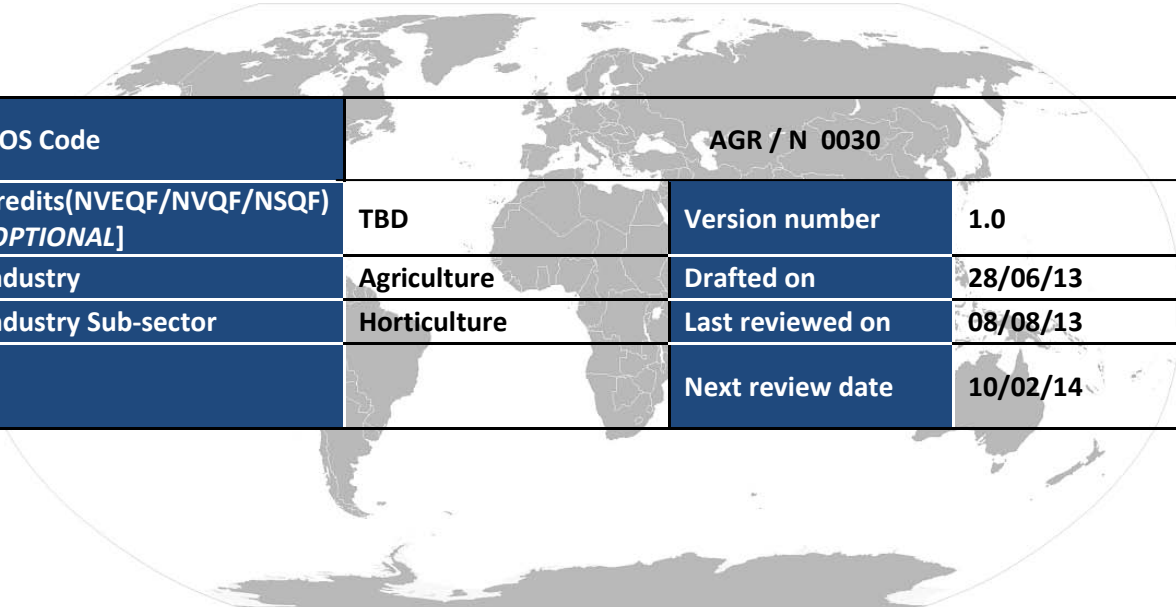
<b>Unit Code</b>	AGR / N 0030
<b>Unit Title (Task)</b>	Harvesting in Tea Plantation
<b>Description</b>	This OS is for a Tea Plantation Worker who is responsible for Harvesting.
<b>Scope</b>	This unit/task covers the following: <ul style="list-style-type: none"> <li>Harvesting</li> </ul>
<b>Performance Criteria (PC) w.r.t. the Scope</b>	
<b>Element</b>	<b>Performance Criteria</b>
Harvesting	To be competent, the user / individual on the job must be able to: <ul style="list-style-type: none"> <li>PC1. Leaf plucking at appropriate stage</li> <li>PC2. Perform periodical harvesting</li> </ul>
<b>Knowledge and Understanding (K)</b>	
<b>A. Harvesting</b>	The individual on the job needs to know and understand: <ul style="list-style-type: none"> <li>KA1. Ideal stage of harvesting</li> <li>KA2. Methods to avoid losses during harvest</li> </ul>

<b>Skills (S) [Optional]</b>	
<b>A. Core Skills/ Generic Skills</b>	<b>Writing Skills</b>
	The individual on the job needs to know and understand how to: <ul style="list-style-type: none"> <li>SA1. Write and possess basic writing skills (preferable) in order to communicate</li> <li>SA2. Collect / compile data for record Maintenance</li> <li>SA3. Report problems to the appropriate personnel in a timely manner</li> </ul>
	<b>Oral Communication (Listening and Speaking skills)</b>
	The individual on the job needs to know and understand how to: <ul style="list-style-type: none"> <li>SA4. Maintain effective working relationships</li> <li>SA5. Communicate clearly and effectively with others workers and supervisors</li> <li>SA6. Co-operate with others in accordance with required procedures</li> <li>SA7. Understand information and grasp its meaning</li> <li>SA8. Seek advice from seniors</li> </ul>
<b>B. Professional Skills</b>	<b>Decision Making</b>
	The individual on the job needs to know and understand: <ul style="list-style-type: none"> <li>SB1. Make decisions pertaining to the concerned area of work for any issues which is instant</li> </ul>
	<b>Problem Solving</b>
	The individual on the job needs to know and understand how to: <ul style="list-style-type: none"> <li>SB2. Deal with other workers lacking the technical knowledge for tea plantation to solve the operational problems on their own</li> </ul>
	<b>Analytical Thinking</b>
	The individual on the job needs to know and understand how to: <ul style="list-style-type: none"> <li>SB3. Maintain the material and equipment required harvesting and post harvest practices</li> </ul>

**Harvesting in Tea Plantation**

	<b>Critical Thinking</b>
	The individual on the job needs to know and understand how to: SB4. Apply, analyze, and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action

**NOS Version Control**



<b>NOS Code</b>	AGR / N 0030		
<b>Credits(NVEQF/NVQF/NSQF) [OPTIONAL]</b>	TBD	<b>Version number</b>	1.0
<b>Industry</b>	Agriculture	<b>Drafted on</b>	28/06/13
<b>Industry Sub-sector</b>	Horticulture	<b>Last reviewed on</b>	08/08/13
		<b>Next review date</b>	10/02/14