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QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR AGRICULTURE

What are Occupational Standards(OS)?

- Solution OS describe what individuals need to do, know and understand in order to carry out a particular job role or function
- 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 - Tractor Operator

SECTOR: AGRICULTURE

SUB-SECTOR: Farm Mechanization

OCCUPATION: Farm Machinery and Equipment Operation and Maintenance

REFERENCE ID: AGR / Q1101

ALIGNED TO: NCO-2004/8331.1

Tractor and Operator: The individual is responsible for the operation of the trators for agriculture purposes and also is responsible for the maintenance of the same.

Brief Job Description: The person continusously keeps the vehicle free of any complaints, takes up basic repairs wherever feasible and are necessary and also would take up various agriculture activities as per the needs of the farmers.

Personal Attributes: The operator should work independently, sensitive to farmer's needs and must have the ability to take up maintenance and repairs (minor) of the tractor as and when necessary. Should possess basic understanding and acumen towards crop cultivation. The individual should be result oriented and is responsible for his own working and learning.









Qualifications Pack Code	AGR/ Q1101		
Job Role	Tractor Operator The job role is applicable for national scenario and international		
Credits(NSQF)	TBD	Version number	1.1
Sector	Agriculture And Allied	Drafted on	25/02/14
Sub-sector	Agriculture Crop Production	Last reviewed on	15/03/15
Occupation	Farm Machinery, Equipment Operation And Maintenance	Next review date	31/03/16

Job Role	Tractor operator
Role Description	Field operation and daily maintainance of tractor
NSQF level	4
Minimum Educational Qualifications*	10 th Standard Passed
Maximum Educational Qualifications*	Not Applicable
Training	Should have known driving and have a driving license issues by
(Suggested but not mandatory)	competent authority.
Experience	Not Applicable
	Compulsory:
	1. AGR / N1101 Operation of the tractor
Applicable National Occupational	2. AGR / N1102 Tractor Maintenance
Standards (NOS)	3. AGR / N9903 Maintain health & Safety at the work place
	Optional: NA
Performance Criteria	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.	



Qualifications Pack For Tractor Operator



Acronyms

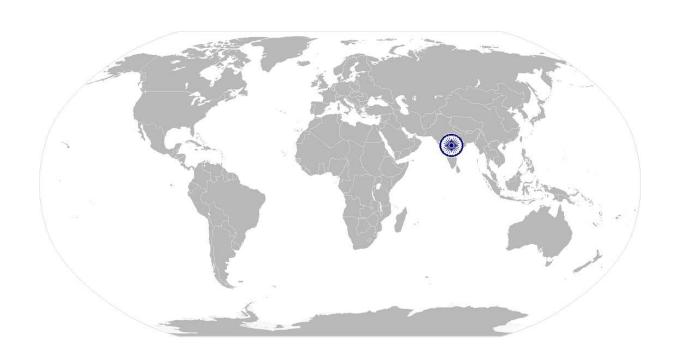
Keywords /Terms	Description
OS	Occupation Standard
NOS	National Occupation Standard
NSQF	National Skills Qualification Framework
Agr	Agriculture







National Occupational Standard



Overview

This unit is about Tractor Operation.



Ballasting importance and

Hydraulic lift performance

process

PC & DC levers or





Unit Code	AGR / N1101		
Unit Title (Task)	Operation of the tractor		
Description	This OS is for a Tractor Operator who is responsible for its daily operations.		
Scope	This unit/task covers the following:		
	Do the daily checks		
	Ballasting importance and process		
	PC and DC levers		
	Gear and RPM selection		
	Implements and Trailer		
	Land preparation requirement and do the land opening		
	Use of implement for tractor		
Performance Criteria(P	C) w.r.t. the Scope		
Element	Performance Criteria		
Do the daily checks	To be competent, the individual on the job must be able to:		
	PC.1 Lubricate rear axle bearing (daily/periodically as per the equipment		
	manufacturer's recommendation)		
	PC.2 Check engine oil level		
	PC.3 Check transmission oil level		
	PC.4 Check steering box oil level		
	PC.5 Check coolant level		
	PC.6 Drain water and sediment from fuel filter		
	PC.7 Lubricate tie rod ends		
	PC.7 Lubricate tie rod ends PC.8 Lubricate Steering spindles		
	PC.7 Lubricate tie rod ends PC.8 Lubricate Steering spindles PC.9 Lubricate front axle pivot pin		
	PC.7 Lubricate tie rod ends PC.8 Lubricate Steering spindles PC.9 Lubricate front axle pivot pin PC.10 Lubricate clutch linkage, throttle linkage hand, foot linkage and all hinges		
	PC.7 Lubricate tie rod ends PC.8 Lubricate Steering spindles PC.9 Lubricate front axle pivot pin PC.10 Lubricate clutch linkage, throttle linkage hand, foot linkage and all hinges PC.11 Clean pre-cleaner		
	PC.7 Lubricate tie rod ends PC.8 Lubricate Steering spindles PC.9 Lubricate front axle pivot pin PC.10 Lubricate clutch linkage, throttle linkage hand, foot linkage and all hinges PC.11 Clean pre-cleaner PC.12 Check for leakages if any		
	PC.7 Lubricate tie rod ends PC.8 Lubricate Steering spindles PC.9 Lubricate front axle pivot pin PC.10 Lubricate clutch linkage, throttle linkage hand, foot linkage and all hinges PC.11 Clean pre-cleaner PC.12 Check for leakages if any PC.13 Check the working of all lights		
	PC.7 Lubricate tie rod ends PC.8 Lubricate Steering spindles PC.9 Lubricate front axle pivot pin PC.10 Lubricate clutch linkage, throttle linkage hand, foot linkage and all hinges PC.11 Clean pre-cleaner PC.12 Check for leakages if any		

PC.16 Use of ballasting as per the need

control/blending

Draft control Position control

PC.17 Operate PC & DC levers as per the need and in combination for mixed

PC.18 Hydraulic lift performance with weight fitted to lower links - check:







AGR/ N1101 Operation	Response control		
Gear & RPM selection	PC.19 Do proper gear & RPM selection		
Implements And Trailer	PC.20 Classify tillage implements into Primary tillage implements, Secondary		
	Tillage implements, levelling equipment and trailer		
	PC.21 Classify CAT I and II implements		
	PC.22 Select proper implement for a specific function		
	PC.23 Take precautions before using Implements and Trailer		
Land Preparation	PC.24 Select and suggest the implements as per the need of the farmer		
Requirement & Land	PC.25 Calibrate seed drill as per requirement		
Opening	PC.26		
	PC.27 Take up the following function:		
	 Land preparation: Primary tillage and secondry tillage 		
	Levelling of field		
	 Intercultural operation (Weed control and tilling) 		
	Puddling		
	Side dressing of fertilisers in row crops		
	Spraying pesticides and herbicides		
	Harvesting of crop with suitable machinery attachment		
	Haulage of farm produce		
	Adjustment of wheel track		
	Adjustment of Top link		
	Adjustment of Chain guider		
	PTO speed as per selected PTO operated implements, equipments		
	and machinery		
	Measurement of wheel slippage		
	• Fuel Consumption/hr or acre		
Use Of Implement For	PC.28 Do Lateral & horizontal adjustments of Implements		
Tractor	PC.29 Do Hitching and unhitching the implement from tractor		
Tractor operation	PC.30 Functions of gauges & controls		
•	PC.31 Wheel track setting- application & demo		
	PC.32 Hitching & unhitching of implements		
	PC.33 Types of implements & their use, methods of field operation and field		
	running adjustments		
	PC.34 Preparing the tractor for field operation		
	PC.35 Adjustment of clutch & Brake		
Knowledge and Understand	ding (K)		
A. Agro Climatic Zone	The individual on the job needs to know and understand:		
	SA1. Various climatic parameters such as maximum and minimum		
	temperatures, intensity and distribution of precipitation (rainfall), relative		
	humidity etc., that affect field operations		
	SA2. Topography, condition of land, type of soil, moisture level of soil, type of		
	previous crop and crop to be sown, method of sowing, depth of sowing		







В.	Understanding Of	The individual on the job needs to know and understand:	
	Implements	KB1. Selection of suitable implements, equipments and machineries for	
	implements	different field operation according to hp of tractor, pto speed,	
		topography, soil, crop and sowing method	
		KB2. Hitching & unhitching of implements, various process of agricultural	
		practices, types of implements & their use, methods of field	
		operation, preparing the tractor and implement, equipment and	
		machinery for field operation	
		·	
		KB3. Method and depth of ploughing, seed bed preparation according to	
		crops & sowing depth and spraying height and height of harvesting	
		KB4. All implements that can be attached and how	
		KB5. Importance of depth and width of cut KB6. Importance of Mast Height	
		KB7. Methods of ploughing (casting & gathering)	
C.	Know Fuel Saving	The individual on the job needs to know and understand:	
C.	Tips		
	Tips	KC1. Right way of operating to ensure proper fuel usage Selection of proper gear, pto speed, rpm of engine	
D.	Understanding Dash	The individual on the job needs to know and understand:	
	Board	KD1. All the functions mentioned on the dash board such as	
	Board	PTO Engaged Indicator	
		Fuel Gauge	
		Air Restriction Indicator	
		High Beam Indicator	
		Hour Meter	
		Charging System Indicator	
		Engine oil Pressure Indicator	
		Coolant Temperature Gauge	
		Hour cum RPM meter	
		Turn Signal Direction Indicator	
		PTO speed Indicator (540/1100 rpm)	
		4-wheel drive indicator	
		Transmission – neutral indicator	
		Parking brake indicator	
		Service due indicator	
		Water in fuel indicator	
		Engine high temperature indicator	
		Hazard indicator	
E.	Tractor Controls &	The individual on the job needs to know and understand the operation of:	
	Levers	KE.1 Hand Throttle	
		KE.2 Steering Wheel	
		KE.3 Horn	
		KE.4 Light Switch	
		KE.5 Key Switch	
		KE.6 Hazard Switch	







AGR/ N1101 Operation	of the Tractor		
	KE.7 Turn Signal Switch		
	KE.8 Clutch Pedal		
	KE.9 Fuel shut of knob		
	KE.10 Foot Throttle		
	KE.11 Brake pedal		
	KE.12 Effectiveness of hand brake		
	KE.13 Selective Control Lever		
	KE.14 Rockshaft Position Control Lever		
	KE.15 Rockshaft Draft Control Lever		
	KE.16 Gear Shaft Lever		
	KE.17 PTO Clutch Lever		
	KE.18 Range Shaft lever		
	KE.19 Rockshaft rate of drop valve		
	KE.20 Differential Lock Pedal		
	KE.21 Isolator valve		
	KE.22 Reverse PTO lever		
	KE.23 PTO lever		
	KE.24 Forward-reverse shuttle		
	KE.25 Plough lamp switch		
	KE.26 Driver's seat adjustment		
	KE.27 7-pole socket		
F. Safety	The individual on the job needs to know and understand:		
r. Salety	KF.1 Driving and must possess a tractor driving license issued by an authorized		
	body.		
	KF.2 Traffic signs / road safety regulations awareness		
	KF.3 Recommendations of the manufacturer for implementation usage		
	KF.4 Safe methods of handling the tools		
	KF.5 First aid		
	-		
	KF.6 Stickers and safety logos. KF.7 HIV awareness		
Skills (S) [Optional]	Kr.7 riiv awareness		
A. Core Skills/ Generic	Reading and Comprehension Skills		
Skills	The individual on the job needs to know and understand how to:		
	SA1. Read and write.		
	Behavior and Oral Communication (Listening and Speaking skills)		
	The individual on the job needs to know and understand how to:		
	SA2. Maintain effective working relationships		
	SA3. Communicate clearly and effectively with others like farmers, concerned		
	officer/stakeholders		
	SA4. Co-operate with others in accordance with required procedures		
	SA5. understand information and grasp its meaning		
	SA6. Seek advice from seniors		
B. Professional Skills	Decision Making		
D. FIUICSSIUIIAI SKIIIS	Decision Madving		







AGIV 11101 Operation of the Tractor		
	The individual on the job needs to know and understand how to:	
	SB1. Make decisions pertaining to the concerned area of work	
	SB2. Identify problems that may arise in carrying out tasks and take preventive	
	action	

NOS Version Control

NOS Code		AGR / N1101	
Credits(NSQF)	-TBD	Version number	1.1
Sector	Agriculture And Allied	Drafted on	25/02/14
Sub-sector	Agriculture Crop Production	Last reviewed on	15/03/15
Occupation	Farm Machinery, Equipment Operation And Maintenance	Next review date	31/03/16







National Occupational Standard



Overview







This unit is about Tractor Maintenance detailing.

Unit Code	AGR / N1102	
Unit Title (Task)	Tractor Maintenance	
Description	This OS is for a Tractor Operator who is responsible for its maintenance.	
Scope	This unit/task covers the following: Study and follow of owner's manual Obtaining certified tools Check and maintain fluids regularly/ lubrication points Ensure right tyre pressure Check belts and hoses Brake and clutch adjustment Check working of all the electrical systems and gauges Avoid overloading Attachment and detachment of Implements	

Performance Criteria(PC) w.r.t. the Scope

Element	Performance Criteria		
Study And Follow Of	To be competent, the individual on the job must be able to:		
Owner's Manual	PC.36 Follow intervals for routine maintenance		
	PC.37 Lubricate different parts of the tractor		
	PC.38 Follow basic operating instructions		
Obtaining Certified	PC.39 Procure maintenance tools that are certified for such operations from a		
Tools	recognized body.		
Check And Maintain	PC.40 Check the engine oil		
Fluids Regularly/	PC.41 Check the transmission fluid/ hydraulic oil		
Lubrication Points	PC.42 Check the coolant in the radiator/ reservoir tank		
	PC.43 Bleeding of fuel system		
PC.44 Clean oil bath/dry type air cleaner			
	PC.45 Check engine, transmission, hydraulic, steering oil level and topping up if		
	necessary		
	PC.46 Replace fuel filters and electrical fuses		
	PC.47 Check battery electrolyte level		
Ensure Right Tyres	PC.48 Ensure all the tyres have the right inflation pressure as per the usage of the		
Pressure	tractor		
	PC.49 Remove and refit tyres for puncture		
Check Belts And	PC.50 If fittings or connections are leaking, tighten them or replace the seals.		
Hoses			







Brake And Clutch	PC.51 Ensure proper adjustment of the brake and clutch, and make sure the brakes
Adjustment	and clutches free play are adjusted properly
	PC.52 Ensure that brake paddle latch should be engaged while driving on road.
Check Working Of All	PC.53 Always ensure the right temperature, oil pressure and hour meter
The Electrical	PC.54 Ensure working of headlights, brake lights and horns.
	1 C.34 Elistic Working of fleatinghts, brake lights and floris.
Systems And Gauges	
Avoid Overloading	To be competent, the individual on the job must be able to:
	PC.55 Always use a recommended load as suggested by the manufacturer.
Attachment And	PC.56 Attachment and detachment of Implements
Detachment Of	
Implements	
Knowledge and Unders	standing (K)
-	211
A. Agro Climatic	The individual on the job needs to know and understand:
Zone	SA3. Various climatic parameters such as maximum and minimum temperatures,
	intensity and distribution of precipitation (rainfall), relative humidity etc.,
B. Understanding Of	The individual on the job needs to know and understand:
Implements	KB8. Know which all implements can be attached and how
C. Safety	The individual on the job needs to know and understand:
c. Juicty	KC1. Safe methods of handling the tools
	KC2. First aid
	VC2 Understand the stickers and safety leggs
	KC3. Understand the stickers and safety logos
	KC3. Understand the stickers and safety logos KC4. HIV awareness
Skills (S) [Optional]	
C. Core Skills/	
	KC4. HIV awareness Reading and Comprehension Skills
C. Core Skills/	Reading and Comprehension Skills The individual on the job needs to know and understand how to:
C. Core Skills/	Reading and Comprehension Skills The individual on the job needs to know and understand how to: SA7. Read and write.
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C. Core Skills/	Reading and Comprehension Skills The individual on the job needs to know and understand how to: SA7. Read and write. Behavior and Oral Communication (Listening and Speaking skills) The individual on the job needs to know and understand how to: SA8. Maintain effective working relationships
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C. Core Skills/ Generic Skills	Reading and Comprehension Skills The individual on the job needs to know and understand how to: SA7. Read and write. Behavior and Oral Communication (Listening and Speaking skills) The individual on the job needs to know and understand how to: SA8. Maintain effective working relationships SA9. Communicate clearly and effectively with others like farmers, concerned officer/stakeholders SA10. Co-operate with others in accordance with required procedures SA11. Understand information and grasp its meaning SA12. Seek advice from seniors Decision Making The individual on the job needs to know and understand how to:







NOS Version Control

NOS Code	AGR / N1102				
Credits(NSQF)	TBD	Version number	1.1		
Sector	Agriculture And Allied	Drafted on	25/02/14		
Sub-sector	Agriculture Crop Production	Last reviewed on	15/03/15		
Occupation	Farm Machinery, Equipment Operation And Maintenance	Next review date	31/03/16		

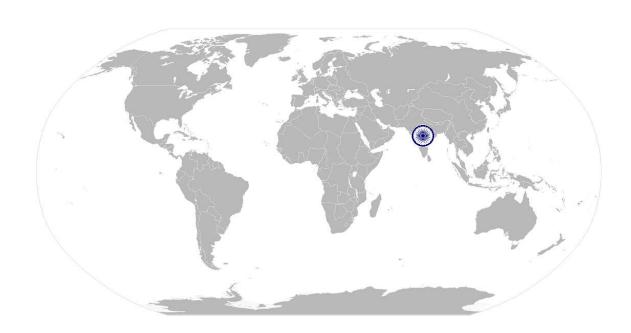






AGR / N9903 Maintain health & Safety at the work place

National Occupational Standard



Overview

This unit is about dealing with health and safety of the farmers and co workers at workplace







	N9903 Maintain health & Safety at the work place					
Unit Code	AGR/N9903					
Unit Title (Task)	Maintain health and safety at the workplace					
Description	This OS is for the cultivator who is responsible for maintaining health and safety of self and others co workers at workplace					
Scope	This unit/task covers the following: • Maintain clean and efficient workplace • Render appropriate emergency procedures					
Performance Criteria(F	PC) w.r.t. the Scope					
Element	Performance Criteria					
Maintaining clean and efficient workplace	PC1. undertake basic safety checks before operation of all machinery and vehicles and hazards are reported to the appropriate supervisor PC2. work for which protective clothing or equipment is required is identified and the appropriate protective clothing or equipment is used in performing these duties in accordance with workplace policy. PC3. read and understand the hazards of use and contamination mentioned on the labels of pesticides/fumigants etc PC4. assess risks prior to performing manual handling jobs, and work according to currently recommended safe practice. PC5. use equipment and materials safely and correctly and return the same to designated storage when not in use PC6. dispose of waste safely and correctly in a designated area PC7. recognise risks to bystanders and take action to reduce risk associated with jobs in the workplace PC8. perform your work in a manner which minimizes environmental damage all procedures and work instructions for controlling risk are followed closely. PC9. report any accidents, incidents or problems without delay to an appropriate person and take necessary immediate action to reduce further danger.					
Render appropriate emergency procedures	To be competent, the individual must be able to: PC10. follow procedures for dealing with accidents, fires and emergencies, including communicating location and directions to emergency. PC11. follow emergency procedures to company standard / workplace requirements PC12. use emergency equipment in accordance with manufacturers' specifications and workplace requirements PC13. provide treatment appropriate to the patient's injuries in accordance with recognized first aid techniques PC14. recover (if practical), clean, inspect/test, refurbish, replace and store the first					







AGR / N9903 Maintain health & Safety at the work place

	ain health & Safety at the work place aid equipment as appropriate						
	PC15. report details of first aid administered in accordance with workplace						
	procedures.						
Knowledge and Under							
A. Maintain clean	The user/individual on the job needs to know and understand:						
	KA 1. personal hygiene and fitness requirements						
and efficient	KA 2. your general duties under the relevant health and safety legislation						
workplace	KA 3. what personal protective equipment and clothing should be worn and how it is						
	cared for						
	KA 4. the correct and safe way to use materials and equipment required for your						
	work						
	KA 5. the importance of good housekeeping in the workplace						
	KA 6. safe disposal methods for waste						
	KA 7. methods for minimizing environmental damage during work						
B. Render	The user/individual on the job needs to know and understand:						
appropriate	KA 8. the risks to health and safety and the measures to be taken to control those						
emergency	risks in your area of work						
procedures	KA 9. workplace procedures and requirements for the treatment of workplace						
	injuries/illnesses.						
	KA 10. basic emergency first aid procedure KA 11. local emergency services						
	KA 11. local efficiency services KA 12. why accidents, incidents and problems should be reported and the						
	appropriate action to take						
Skills (S)	appropriate action to take						
A. Core Skills/	appropriate action to take Writing Skills						
	Writing Skills						
A. Core Skills/	Writing Skills The user/ individual on the job needs to know and understand how to:						
A. Core Skills/	Writing Skills						
A. Core Skills/	Writing Skills The user/ individual on the job needs to know and understand how to: SA1. mention the data which are required for record keeping purpose						
A. Core Skills/	Writing Skills The user/ individual on the job needs to know and understand how to: SA1. mention the data which are required for record keeping purpose SA2. report problems to the appropriate personnel in a timely manner						
A. Core Skills/	Writing Skills The user/ individual on the job needs to know and understand how to: SA1. mention the data which are required for record keeping purpose SA2. report problems to the appropriate personnel in a timely manner SA3. write descriptions and details about incidents in reports						
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A. Core Skills/	Writing Skills The user/ individual on the job needs to know and understand how to: SA1. mention the data which are required for record keeping purpose SA2. report problems to the appropriate personnel in a timely manner SA3. write descriptions and details about incidents in reports Reading and Comprehension Skills The user/ individual on the job needs to know and understand how to:						
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AGR / N9903 Maintain health & Safety at the work place

The user/individual on the job needs to know and understand how to:

SB3. schedule daily activities and drawing up priorities; allocate start times, estimation of completion times and materials, equipment and assistance required for completion.

Human Centricity

The user/individual on the job needs to know and understand how to:

SB4. manage relationships with co-workers and managers of the who may be stressed, frustrated, confused or angry

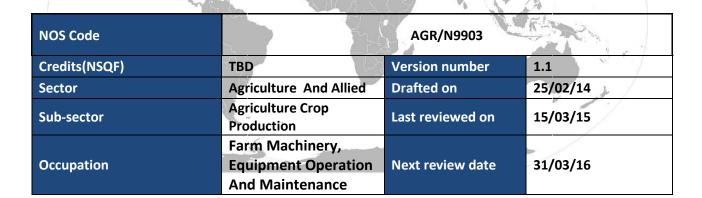
Analytical Thinking

The user/individual on the job needs to know and understand how to:

SB5. monitor and maintain the condition of tools and equipment

SB6. assess situation & identify appropriate control measures

NOS Version Control





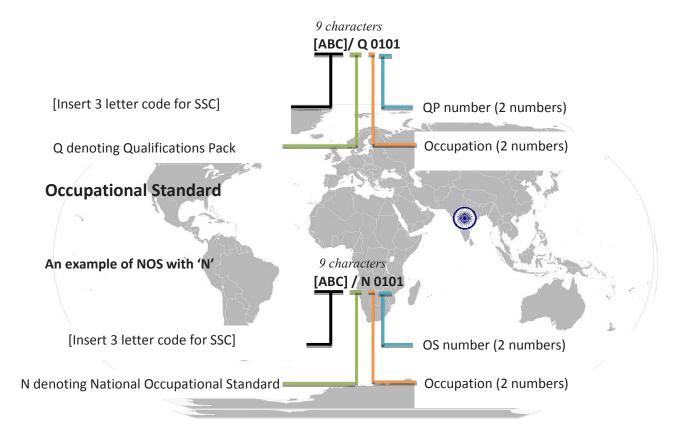




Annexure

Nomenclature for QP and NOS

Qualifications Pack









Sub-sector	Range of Occupation numbers
Agriculture Crop Production	01 – 40
Agriculture Allied Activities	41 – 60
Forestry, Environment and Renewable Energy Management	61 - 70
Agriculture Industries	71 – 90
Generic Occupations	96 - 99

Sequence	Description	Example
Three letters	Industry name	AGR
Slash	The state of the s	
Next letter	Whether QP or NOS	Q or N
Next two numbers	Occupation code	01
Next two numbers	OS number	01
Note:		J. /

The range of occupation numbers have been decided based on the number of existing and future occupations in a segment

Occupation numbers from 91 – 95 have been intentionally left blank to accommodate any emerging segment in

future.







CRITERIA FOR ASSESSMENT OF TRAINEES

Job Role Tractor Operator

Qualification Pack AGR/Q1101 Sector Skill Council Agriculture

Guidelines for Assessment:

- 1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
- 2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
- 3. Individual assessment agencies will create *unique question papers for theory part for each candidate at each examination/training center* (as per assessment criteria below)
- 4. Individual assessment agencies will create *unique evaulations for skill practical for every student at each examination/training center* based on this criteria
- 5. To pass the Qualification Pack, every trainee should score a minimum of 50% in aggregate and 30% in each NOS
- 6. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack.
- 7. The marks are allocated PC wise, however, every NOS will carry a weight age in the total marks allocated to the specific QP.

9				100	f.	
					Marks	Allocation
NOSs	Element	PCs	Total Marks (325)	Out Of	Theory	Skills Practical
1.AGR/N110	Do the daily	PC1 Lubricate rear axle			W	×
1 Operation	checks	bearing	-	10	4	6
of the tractor		PC2. Check engine oil level		5	2	3
		PC3. Check coolant level		5	2	3
		PC4. Drain water and				
		sediment from fuel filter		5	2	3
		PC5. Lubricate tie rod ends		10	4	6
		PC6. Lubricate Steering				
		spindles	200	10	4	6
		PC7. Lubricate front axle				
		pivot pin		10	4	6
	Ballasting	PC8 Use of ballasting as per				
	importance	the need				
	and process			10	4	6
	PC & DC	PC9. Operate PC & DC levers				
	levers	as per the need		10	4	6
	Gear & RPM	PC10. Do proper gear & RPM				
	selection	selection		10	4	6







	Implements	PC11 Classify tillage				
	And Trailer	implements into Primary				
		tillage implements,				
		Secondary Tillage implements, levelling				
		equipment and trailer		5	5	0
		PC12. Select proper			3	
		implement for a specific				
		function		5	2	3
		PC13.Take precautions				
		before using Implements				
		and Trailer		10	10	0
	Land	PC14.Select and suggest the				
	Preparation Requirement	implements as per the need of the farmer		10	4	6
	& Land	PC15. Take up the following	Care	10	4	0
	Opening	function:	See	-	0	0
		•Reducing ped size		5	2	3
		•Weed control		5	5	0
/ -5		•Incorporation of fertilizers		5	5	0
		 ◆Puddling 	No. 1	5	5	0
		•Leveling soil surface		5	5	0
\		•wheel track adjustment		5	2	3
1		Do sway chain adjustment	7	5	1	4
/		 Position and adjust the 		3	J. J.	/
		Centre link	*	5	2	3
		Measure wheel slippage		5	2	3
	Use Of	PC1. Do Lateral & horizontal				
	Implement	adjustments of Implements		20	8	12
	For Tractor	PC2. Do Hitching and				
		unhitching the implement from tractor		20	8	12
		Hom tractor				
2.AGR/N110	Study And	PC1. Follow intervals for		200	100	100
2.AGR/N110 2 Tractor	Follow Of	routine maintenance		5	5	0
Maintenance	Owner's	PC2 Lubricate different				
	Manual	parts of the tractor		10	4	6
		PC3. Follow basic operating	100			
		instructions	100	10	10	0
	Obtaining	PC4.Procure maintenance				
	Certified	tools that are certified for				
	Tools	such operations from a		_	_	
		recognized body.		5	5	0







	Check And	PC5. Check the engine oil		5	2	3
	Maintain	PC6. Check the transmission		<u> </u>	2	3
	Fluids	fluid/ hydraulic oil		5	2	3
	Regularly/	PC7. Check the coolant in				
	Lubrication	the radiator/ reservoir tank				
	Points	the radiatory reservoir tarik		5	2	3
	Ensure Right	PC8. Ensure all the tyres				
	Tyres	have the right inflation				
	Pressure	pressure as per the usage of				
		the tractor		5	2	3
	Check Belts	PC9. If fittings or				
	And Hoses	connections are leaking,				
		tighten them or replace the				
		seals.		10	4	6
	Brake And	PC10 Ensure proper				
	Clutch	adjustment of the brake and	Brown !			
	Adjustment	clutch, and make sure the	The state of the s)	The same of	
7		brakes and clutches free	er -			
		play are adjusted properly		10	4	6
		PC11. Ensure that brake				
, ,		paddle latch should be			. (\
		engaged while driving on			_	
		road.		10	4	6
1	Check	PC12. Always ensure the				
\	Working Of	right temperature, oil				
1	All The	pressure and hour meter	9	5	2	3
1	Electrical	PC13. Ensure working of			The same of the sa	/-
	Systems And	headlights, brake lights and		_	2	2
	Gauges Avoid	horns.	_	5	2	3
		PC14. Always use a				
	Overloading	recommended load as				
		suggested by the manufacturer.		_	_	
	Attachment	PC15. Attachment and		5	5	0
	And	detachment of Implements				
	Detachment	detachment of implements				
	Of					
	Implements			5	2	3
	premenes			100	55	45
		PC1.Undertake basic safety				
3.AGR/N990		checks before operation of				
3 Maintain	Maintaining	all machinery and vehicles				
health &	clean and	and hazards are reported to	25			
Safety at the	efficient	the appropriate supervisor		5	5	0
workplace	workplace	PC2.work for which				
		protective clothing or		2	2	0
			ı			1







				I		Ì
		equipment is required is				
		identified and the				
		appropriate protective				
		clothing or equipment is				
		used in performing these				
		duties in accordance with				
		workplace policy.				
		PC3.Read and understand				
		the hazards of use and				
		contamination mentioned				
		on the labels of				
		pesticides/fumigants etc		1	1	0
		PC4.Assess risks prior to		_		0
		performing manual handling				
		jobs, and work according to				
		currently recommended	Constitution	75-	-	
		safe practice.	Brown ?	1	1	0
		PC5.Use equipment and	**	1	1	0
1			KC 5		8	
		materials safely and		- 73	Call Call	\
		correctly and return the			7	\
3		same to designated storage				\
		when not in use		4	4	0
7		PC6.Dispose of waste safely		T. OR		
		and correctly in a		-		
3		designated area		3	3	0
		PC7.Recognise risks to	9			/
/		bystanders and take action			The same	1
		to reduce risk associated				
		with jobs in the workplace		1	1	0
		PC8.Perform your work in a				
		manner which minimizes				
		environmental damage all				
		procedures and work				
		instructions for controlling				
		risk are followed closely.		1	1	0
		PC9.Report any accidents,				
		incidents or problems				
		without delay to an				
		appropriate person and take				
		necessary immediate action				
		to reduce further danger.		1	1	0
		PC10.Follow procedures for				
	Render	dealing with accidents, fires				
	appropriate	and emergencies, including				
	emergency	communicating location and				
	procedures	directions to emergency.		1	1	0
	pi occuui co					
		PC11.Follow emergency		1	1	0







	procedures to company standard / workplace requirements				
	PC12.Use emergency				
	equipment in accordance				
	with manufacturers'				
	specifications and workplace				
	requirements		1	1	0
	PC13.Provide treatment				
	appropriate to the patient's				
	injuries in accordance with				
	recognized first aid				
	techniques		1	1	0
	PC14.Recover (if practical),				
	clean, inspect/test,	and the same			
	refurbish, replace and store	Dr. Sall		-	
	the first aid equipment as	₹			
	appropriate	and the second	1	1	0
<i>f</i>	PC15.Report details of first				
<i>f</i>	aid administered in				/
/ -5	accordance with workplace			6	\
	procedures.	16	1	1	0
			25	25	0
	Total		325	180	145