







HEAVY MACHINE OPERATOR



ASSESSMENT PACKAGE

National Vocational Certificate Level 3

Version 1 - November, 2019





Published by

National Vocational and Technical Training Commission Government of Pakistan

Headquarter

Plot 38, Kirthar Road, Sector H-9/4, Islamabad, Pakistan www.navttc.org

Responsible

Director General Skills Standard and Curricula, National Vocational and Technical Training Commission

National Deputy Head, TVET Sector Support Programme, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Layout & design

SAP Communications

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This document has been produced with the technical assistance of the TVET Sector Support Programme, which is funded by the European Union, the Federal Republic of Germany and the Royal Norwegian Embassy and has been commissioned by the German Federal Ministry for Economic Cooperation and Development (BMZ). The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH in close collaboration with the National Vocational and Technical Training Commission (NAVTTC) as well as provincial Technical Education and Vocational Training Authorities (TEVTAs), Punjab Vocational Training Council (PVTC), Qualification Awarding Bodies (QABs)s and private sector organizations.

Document Version November, 2019 **Islamabad, Pakistan**

HEAVY MACHINE OPERATOR



ASSESSMENT PACKAGE
National Vocational Certificate Level 3

Version 1 - November, 2019

Title of Qualification:	CS Code:	Level: 3	Version:
National Vocational Certificate level 3,			1 (2019)
In Heavy Machine Operator			
Competency Standard Title:	Assessment D	ate (DD/MM/YY):
Competency Standard Title: 073200591Transport Machines	Assessment D	ate (DD/MM/YY):
	Assessment D	ate (DD/MM/YY):

Candidate Details	Name:
	Registration/Roll Number:
	To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):
	Assessment Task 1: Prepare to load machine and attachments.
	2. Assessment Task 2: Load or assist with loading machine and attachments.
	3. Assessment Task 3: Assist with securing machine and attachments.
for	Assessment Task 4: Unload or assist with unloading machine and attachments.
Candidate	5. Assessment Task 5: Prepare rubber-tired machine for road travel.
	6. Assessment Task 6: Drive rubber tired machine on public roads.
	And complete: 1. Knowledge assessment test (Written or Oral). 2. Portfolios at the time of assessment (if any).
	During a practical assessment, under observation by an assessor, you will complete:
	Assessment Task 1: Prepare to load machine and attachments.
Minimum Evidence	Performance Criteria 1: Identify hazards, such as uneven ground and utility lines.
Required	Performance Criteria 2: Arrange machine and attachments for transportation.

Assessment Task 2: Load or assist with loading machine and attachments.

Performance Criteria 1: Load machines and attachments.

Performance Criteria 2: Respond to hand signals.

Performance Criteria 3: Make ramp for machine loading.

Assessment Task 3: Assist with securing machine and attachments.

Performance Criteria 1: Cover windshield and exhaust pipe.

Performance Criteria 2: Secure machine and attachments with slings.

Assessment Task 4: Unload or assist with unloading machine and attachments.

Performance Criteria 1: Identify hazards, such as overhead obstructions and narrow landing areas.

Performance Criteria 2: Unload machines and attachments.

Assessment Task 5: Prepare rubber-tired machine for road travel.

Performance Criteria 1: Secure attachments with slings for road traveling.

Performance Criteria 2: Check brakes, steering, lights, tires and back-up warnings for road traveling.

Assessment Task 6: Drive rubber tired machine on public roads.

Performance Criteria 1: Locate obstructions on the route.

Performance Criteria 2: Identify speed for road travel.

Portfolios required at the time of assessment (if any) for

Performance criteria for the evaluation of portfolio:

Submit log book or activity record (practical journal, project, pictures etc.) completed during the training.

Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

073200591Transport Machines

Candidate Details	Name: Candidate's Signature:	
Assessment Outcome	COMPETENT Name of Assessor: Signature of the Assessor:	

Assessment Summary (to be filled by the assessor)								
Activity		Method				Result		
Nature of Activity	Written	Written Oral Observation Portfolio			Role Play	Competent	Not Yet Competent	
Practical Skill Demonstration								
Knowledge Assessment								
Other Requirement								

Each Assessment Task (with performance criteria)					
Assess	sment Task 1	Description of assessment task 1 Prepare to load machine and attachments			
During the practical assessment, candidate demonstrated the following:			Yes	No	Remarks
1	Performance Criteria 1: Identified hazards, such as uneven ground and utility lines.				
Performance Criteria 2: Arranged machine and attachments for transportation.					
Compe	etent 🗆	Not Yet Compe	tent \square	•	

Assess	sessment Task 2 Description of				
			t with I	oading	machine and attachments.
During followir	the practical assessment, candidate dem ng:	nonstrated the	Yes	No	Remarks
1	Performance Criteria 1: Loaded machine attachments.	es and			
2	Performance Criteria 2: Responded to h	nand signals.			1
3	Performance Criteria 3: Made ramp for loading.	machine			
Compe	etent 🗆	Not Yet Compe	etent 🗆		
Assess	sment Task 3	Description of a			
		Assist with se	curing	machir	ne and attachments.
During followir	the practical assessment, candidate demng:	nonstrated the	Yes	No	Remarks
1	Performance Criteria 1: Covered windslexhaust pipe.	hield and			
2	Performance Criteria 2: Secured machinattachments with slings.	ne and			
Compe	etent 🗆	Not Yet Compet	⊥ etent □		<u> </u>
Asses	sment Task 4	Description of a	assessr	nent tas	 2k
/1000	Inone rack i	·			ding machine and attachments.
During followir	the practical assessment, candidate dem	nonstrated the	Yes	No	Remarks
1	Performance Criteria 1: Identified hazards, such as overhead obstructions and narrow landing areas.				
2	Performance Criteria 2: I Unloaded machines and attachments.				
Compe	etent 🗆	Not Yet Compete	tent 🗆		

Assess	Assessment Task6 Description of as Drive rubber-t					n public roads
During followir	the practical assessment, candidate dem	nonstrated the	Yes	No	Rer	marks
1	Performance Criteria 1: Locate obstruct route.	ions on the				
2	Performance Criteria 2: Identified spee travel.	d for road				
Compe	tent 🗆	Not Yet Compe	etent \square			
Assess	sment Task 5	Description of Prepare rub				for road travel
During following	the practical assessment, candidate den	nonstrated the	Yes	No	Rer	marks
1	Performance Criteria 1: Secure attachn slings for road traveling.	nents with				
2	Performance Criteria 2: Check brakes, tires and back-up warnings for road trav					
Compe	etent 🗆	Not Yet Compe	etent \square		l	
Portfol	io(if any)	Description	of port	folio		
Currer	nt□ Sufficient □ Authention	e□ Valid			Reliab	le 🗆
Portfol	io meet the following performance standa	ards:	\	⁄es	No	Remarks
1	Performance criteria for the evaluation Submitted log book or activity record (project, pictures etc.) completed during	practical journal,				
Comp	etent □	Not Yet Co	mpeter	nt 🗆		<u> </u>

Title of Qualification: National Vocational Certificate level 3 in Heavy Machine Operator		CS Code:	Level: 3	Version: 1 (2019)	
Competency Star 073200591Trans		Assessment	Date (DD/MM/	YY):	
Guidance for Candidate	To complete your assessment questions on the following page		cy Standard, y	ou need to answer the	
Assessors Guide after the asse	(to be completed by the Assessor ssment)	and signed both by	the assessor an	d the candidate	
Candidate Details	Name:	Registı	ration/Roll Numb	oer:	
	Candidate's Signature:				
	COMPETENT	NOT Y	ET COMPETEN	Л Т□	
Written Assessment Outcome	Name of the Assessor:	Assess	sor's code:		
	Signature of the Assessor:				
Feedback to	the candidate on assessment.				
Candidate Signatu	ure As	ssessor Signature .			

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate level 3 in		3	1 (2019)
Heavy Machine Operator			
Competency Standard Title:	Assessme	nt Date (DD/	MM/YY):
Competency Standard Title:	Assessme	nt Date (DD/	MM/YY):
Competency Standard Title: 073200591Transport Machines		nt Date (DD/	MM/YY):

WRITTEN ASSESSMENT

Question	Candidate's answer
Define loading/unloading techniques?	
Define carrying capacities of transport vehicles?	
Explain road, weather and deck conditions?	

Question	Candidate's answer
Describe hazards and blocking?	
5. Explain hand signals?	
6. What are tie-down points?	
7. Explain limitations on public roads, such as speed and blind spots?	

Question	Candidate's answer
8. Describe applicable legislation, such as traffic laws?	
9. Describe route and destination?	
10. Describe proper positioning of attachments for road travel?	

Title of Qualification:	CS Code:	Level: 3	Version:
National Vocational Certificate level 3,			1 (2019)
In Heavy Machine Operator			
Competency Standard Title:	Assessment D	oate (DD/MM/YY):
073200592 Operate Bulldozer			

Candidate Details	Name:						
	Registration/Roll Number:						
	To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):						
	7. Assessment Task 1: Operate Controls.						
	8. Assessment Task 2: Strip and stockpile surface materials.						
	9. Assessment Task 3: Cut and fill material.						
	10. Assessment Task 4: Create slopes.						
Guidance for	11. Assessment Task 5: Create ditches.						
Candidate	12. Assessment Task 6: Spread ballast.						
	13. Assessment Task 7: Rip dense materials.						
	14. Assessment Task 8: Clear land.						
	And complete:						
	a. Knowledge assessment test (Written or Oral).b. Portfolios at the time of assessment (if any).						
Minimum Evidence	During a practical assessment, under observation by an assessor, you will complete:						
Required	Assessment Task 1: Operate Controls.						
	Performance Criteria 1: Operate controls smoothly and safely.						
	Performance Criteria 2: Operate different operating controls simultaneously as per assessor's instructions.						

Assessment Task 2: Strip and stockpile surface materials.

Performance Criteria 1: Identify waste layer from structural layer.

Performance Criteria 2: Remove waste layer up to required depth.

Performance Criteria 3: Move full blade load with optimum capacity.

Performance Criteria 4: Clean up windrows and any remaining waste material.

Performance Criteria 5: Stockpile waste materials.

Assessment Task 3: Cut and fill material.

Performance Criteria 1: Identify the height of cuts and depth of fills.

Performance Criteria 2: Apply grade checking instruments.

Performance Criteria 3: Cut "humps" and create enough loose material to fill blade before pushing to haulage distance.

Performance Criteria 4: Push material to fill depressions.

Performance Criteria 5: Perform rough leveling of ground.

Performance Criteria 6: Eliminate windrows and clean up.

Assessment Task 4: Create slopes.

Performance Criteria 1: Interpret stakes for slope creation.

Performance Criteria 2: Apply grade checking instruments.

Performance Criteria 3: Cut the slope next to each row of stakes.

Performance Criteria 4: Perform heavy cuts downhill.

Performance Criteria 5: Match blade load with available power and traction.

Performance Criteria 6: Grade area to a given slope and eliminate windrows and clean up.

Assessment Task 5: Create ditches.

Performance Criteria 1: Identify the grade checking instruments.

Performance Criteria 2: Create ditch of specified dimensions.

Performance Criteria 3: Stockpile material.

Performance Criteria 4: Level the ground roughly.

Assessment Task 6: Spread ballast.

Performance Criteria 1: Identify dumping location and pattern.

Performance Criteria 2: Match blade load with available power and traction.

Performance Criteria 3: Spread material as per instructions.

Performance Criteria 4: Grade to requisite level.

Assessment Task 7: Rip dense materials.

Performance Criteria 1: Rip hard strata up to required depth.

Performance Criteria 2: Balance ripper load depth & load to available power and traction.

Assessment Task 8: Clear land.

Performance Criteria 1: Work around obstructions and hazards.

Performance Criteria 2: Clear land in accordance with job specifications.

Portfolios required at the time of assessment (if any) for

Performance criteria for the evaluation of portfolio:

Submit log book or activity record (practical journal, project, pictures etc.) completed during the training.

Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment).

073200592 Operate Bulldozer

Candid Details		Name: Candidate's Signature:					_			
Assess Outcor		COMPETENT Name of Assessor: Signature of the Assessor:				△	\ssesso			
		Assessm	ent Su	mmar	y (to be	filled l	ny tha :	25555	or)	
	Activ		lent Su	ıııııaı	Method		Jy IIIe	a55 C 55		sult
Nature of Activity			Written	Oral	Observation	Portfolio	Role Play		Competent	Not Yet Competent
Practic	al Skill Der	nonstration				<u> </u>			J	
Knowle	edge Asses	sment								
Other F	Requireme	nt								
Each A	Assessmen	t Task (with perfo	ormanc	e crite	ria)					
Assessment Task 1 Description of assessment task 1 Operate Controls										
During the practical assessment, candidate demonstrated the following:										
Performance Criteria 1: Operated controls smoothly and safely.										
2		nce Criteria 2: O	•			rating				

Not Yet Competent □

instructions

Competent □

Assess	sment Task 2	Description of a Strip and sto			
During the practical assessment, candidate demonstrated the following:			Yes	No	Remarks
1	Performance Criteria 1: Identified waste layer from structural layer.				
2	Performance Criteria 2: Removed waste layer up to required depth.				
3	Performance Criteria 3: Moved full blade load with optimum capacity.				
4	Performance Criteria 4: Cleaned up windrows and any remaining waste material.				
5	Performance Criteria 5: Stockpiled waste materials.				
Competent ☐ Not Yet Compe			ent 🗆		

		Description of assessment task 3 Cut and fill material			
During followin	the practical assessment, candidate dem ng:	onstrated the	Yes	No	Remarks
1	Performance Criteria 1: Identified the height of cuts and depth of fills.				
2	Performance Criteria 2: Applied grade checking instruments.				
3	Performance Criteria 3: Cut "humps" and create enough loose material to fill blade before pushing to haulage distance.				
4	Performance Criteria 4: Pushed material to fill depressions.				
5	Performance Criteria 5: Performed rough leveling of ground.				
6	Performance Criteria 6: Eliminated windrows and clean up.				
Competent ☐ Not Yet Com			tent \square		

		Description of a Create slope:		nent tas	sk 4
During the practical assessment, candidate demonstrated the following:			Yes	No	Remarks
1	Performance Criteria 1: Interpreted stakes for slope creation.				
2	Performance Criteria 2: Applied grade of instruments.	hecking			
3	Performance Criteria 3: Cut the slope next to each row of stakes.				
4	Performance Criteria 4: Performed heavy cuts downhill.				
5	Performance Criteria 5: Matched blade load with available power and traction.				
6	Performance Criteria 6: Grade area to a and eliminate windrows and clean up.	given slope			
Competent ☐ Not Yet			tent 🗖		

Assess	sment Task 5	Description of a		nent tas	sk 5
During the practical assessment, candidate demonstrated following:			Yes	No	Remarks
1	Performance Criteria 1: Identified the grade checking instruments.				
2	Performance Criteria 2: Created ditch of specified dimensions				
3	Performance Criteria 3: Stockpiled material				
4	Performance Criteria 4: Levelled the ground roughly.				
Compe	etent	Not Yet Compe	tent 🛘		

				scription of a		sment '	task	
	ring the pra	actical assessment, candidate dem	onstra	ated the	Yes	No	R	Remarks
1		ormance Criteria 1: Identified dumpio pattern	ng loc	cation				
2		ormance Criteria 2: Matched blade loable power and traction	oad w	vith				
3		ormance Criteria 3: Spread material uctions	l as p	er 				
4	Perfo	ormance Criteria 4: Grade to requisi	te lev	el				
Con	mpetent \Box]	Not \	Yet Compet	tent C	<u></u>		
_								
		ment Task (with performance criteria	<u> </u>					
Asse	sessment T	ask 7		Description of assessment task7 Rip dense materials				
	ring the pra owing:	actical assessment, candidate demo	onstra	ated the		Yes	No	Remarks
1	Performa depth.	ance Criteria 1: Ripped hard strata	up to	required				
2		ance Criteria 2: Balanced ripper loa e power and traction.	ad der	oth & load t	to			
Com	mpetent \square	1	Not	Yet Compe	etent [<u> </u>		
Ea	 ach Assess	sment Task (with performance criter	 eria)					
-	sessment -	•	,	Description Clear La		ıssess	ment	task 8
	ring the prolonger	ractical assessment, candidate dem	nonstr	rated the		Yes	No	Remarks
	1	Performance Criteria 1: Worked a and hazards	aroun	d obstruction	ons			
	2	Performance Criteria 2: Cleared la with job specifications.	and ir	n accordan	ice			
Co	mpetent C			Not Yet Co	ompe	tent \Box]	

Portfolio	(if any)			Description of po	rtfolio		
Current	□ s	ufficient	Authentic□	Valid □	F	Reliable	
Portfolio	meet the fol	llowing perform	ance standards:		Yes	No	Remarks
1	Performance criteria 1 for the evaluation of portfolio: Submitted log book or activity record (practical journal, project, pictures etc.) completed during the training.						
Compet	ent 🗆			Not Yet Compete	ent 🗆		

Title of Qualification: National Vocational Certificate level 3 in		e level 3 in	CS Code:	Level: 3	Version: 1 (2019)
Heavy Machine Op	'			D ((DD(1111)	00
Competency Stan 073200592 Oper			Assessment	Date (DD/MM/)	(Y):
<u> </u>					
Guidance for Candidate		lete your assessment for t s on the following pages s		cy Standard, yo	ou need to answer the
Assessors C candidate aft	•	e completed by the Assesso ssment)	r and signed bo	th by the assess	sor and the
Candidata Dataila		Name:		Registration	/Roll Number:
Candidate Details					
Written Assessment		COMPETENT□	OMPETENT 		
Outcome		Name of the Assessor:		Assess	sor's code:
		Signature of the Assessor:		<u></u>	
Feedback to	the cand	idate on assessment.			
					
Candidata Signa	turo	Asse	scor Signaturo	<u>.</u>	
Candidate Signa	.ul E	A556	ssoi signature		

Title of Qualification:	CS Code:	Level: 3	Version: 1 (2019)
National Vocational Certificate level 3 in			
Heavy Machine Operator			
	Assessment Date (DD/MM/YY):		
Competency Standard Title:	Assessme	nt Date (DD/I	MM/YY):
Competency Standard Title:	Assessme	nt Date (DD/I	MM/YY):
Competency Standard Title: 073200592 Operate Bulldozer		nt Date (DD/I	MM/YY):

WRITTEN ASSESSMENT

Question	Candidate's answer
Describes types and sizes of machines?	
Describes Bulldozer components and their functions?	
Describe capacities & capabilities of Bulldozer?	

Question	Candidate's answer
4. Describes Bulldozer attachments and purposes?	
 Describes basic tools and supplies with Bulldozer? 	
Describe safety equipment with Bulldozer?	
7. Explain daily maintenance work of Bulldozer?	

Question	Candidate's answer
8. Describe Bulldozer emergency shut-down procedure?	
9. Describe basic operating functions of Bulldozer?	
10. Describe Pre start checks, startup/shutdown procedures for Bulldozer?	

Title of Qualification:	CS Code:	Level: 3	Version:
National Vocational Certificate level 3,			1 (2019)
In Heavy Machine Operator			
Competency Standard Title:	Assessment [Date (DD/MM/YY	') :
Competency Standard Title: 073200593 Operate Wheel Loader	Assessment [Date (DD/MM/YY	():
	Assessment [Date (DD/MM/YY	'):

Candidate Details	Name:						
	Registration/Roll Number:						
	To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):						
	15. Assessment Task 1: Install Attachments.						
	16. Assessment Task 2: Operate Controls.						
	17. Assessment Task 3: Dig, Carry (tram) & Stockpile Materials.						
Guidance	18. Assessment Task 4: Place and Spread Materials.						
for Candidate	19. Assessment Task 5: Backfill Trenches & Excavate.						
	20. Assessment Task 6: Load Dump Trucks.						
	And complete: 21. Knowledge assessment test (Written or Oral). 22. Portfolios at the time of assessment (if any).						
	During a practical assessment, under observation by an assessor, you will complete: Assessment Task 1: Install Attachments.						
	Performance Criteria 1: Select tools for installation of attachments.						
	Performance Criteria 2: Position equipment and attachment for installation.						
Minimum	Performance Criteria 3: Interpret hand signals for installation of attachments.						
Evidence Required	Performance Criteria 4: Install attachments safely.						
	Assessment Task 2: Operate Controls.						
	Performance Criteria 1: Operate controls smoothly and safely.						
	Performance Criteria 2: Operate different operating controls simultaneously.						
1							

Assessment Task 3: Dig, Carry (tram) & Stockpile Materials.

Performance Criteria 1: Fill bucket in loose material.

Performance Criteria 2: Carry loose material to a short distance.

Performance Criteria 3: Place material in a stockpile.

Performance Criteria 4: Maintain smooth pit floor.

Assessment Task 4: Place and Spread Materials.

Performance Criteria 1: Load bucket with loose material.

Performance Criteria 2: Carry loose material to a given distance.

Performance Criteria 3: Spread material in a given area.

Performance Criteria 4: Maintain smooth pit floor.

Assessment Task 5: Backfill Trenches & Excavate.

Performance Criteria 1: Place backfill material as per instructions.

Performance Criteria 2: Stock aggregates as per instructions.

Performance Criteria 3: Spread materials as per instructions.

Performance Criteria 4: Excavate soft soil strata as per instructions.

Assessment Task 6: Load Dump Trucks

Performance Criteria 1: Identify the loading site.

Performance Criteria 2: Fill the bucket smoothly and gently.

Performance Criteria 3: Communicate with signaler.

Performance Criteria 4: Load truck as per capacity.

Portfolios required at the time of assessment (if any) for

Performance criteria for the evaluation of portfolio:

Submit log book or activity record (practical journal, project, pictures etc.) completed during the training.

Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

073200593 Operate Wheel Loader

Candidate Details	Name: Candidate's Signature:	•
Assessment Outcome	COMPETENT Name of Assessor: Signature of the Assessor:	NOT YET COMPETENT□Assessor's code:

Assessment Summary (to be filled by the assessor)								
Activity		Method				Result		
Nature of Activity	Written Oral Observation Portfolio Role Play				Not Yet Competent			
Practical Skill Demonstration								
Knowledge Assessment								
Other Requirement								

Each Assessment Task (with performance criteria)					
Assessment Task 1 Description of Install Attack					sk 1
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks	
1	Performance Criteria 1: Selected tools for installation of attachments.				
2	Performance Criteria 2: Positioned equipment and attachment for installation.				
3	Performance Criteria 3: Interpreted hand signals for installation of attachments.				
4	Performance Criteria 4: Installed attachments safely.				
Compe	etent	Not Yet Compe	tent 🗆		

					
Asses	ssment Task 2	Description of a Operate Co			sk 2
During	g the practical assessment, candidate der ring:	nonstrated the	Yes	No	Remarks
1	Performance Criteria 1: Operated contrand safely.	rols smoothly			
2	Performance Criteria 2: Operated differ controls simultaneously.	rent operating			
Comp	petent 🗆	Not Yet Compe	etent \square	1	
Asses	ssment Task 3	Description of			
<u></u>		Dig, Carry (t	ram) &	ι Stock	kpile Materials
During follow	g the practical assessment, candidate der ring:	nonstrated the	Yes	No	Remarks
1	Performance Criteria 1: Filled bucket in	າ loose material.			
2	Performance Criteria 2: Carried loose r short distance.	material to a			
3	Performance Criteria 3: Placed materia	al in a stockpile.			
4	Performance Criteria 4: Maintained sm	nooth pit floor.			
Comp	petent \square	Not Yet Compe	 etent □	<u> </u>	
Assess	ment Task 4	Description of as			
During t	the practical assessment, candidate demong:	onstrated the	Yes	No	Remarks
1	Performance Criteria 1: Loaded bucket v material.	with loose			
2	Performance Criteria 2: Carried loose magiven distance.	aterial to a			
3	Performance Criteria 3: Spread material area.	in a given			
4	Performance Criteria 4: Maintained smoo	oth pit floor.			

Not Yet Competent \square

Competent \square

Assess	Assessment Task 5 Description of assessment task 5 Backfill Trenches & Excavate							
During the practical assessment, candidate demonstrated the following:			strated the	Yes	s No)	Remarks	
1		Performance Criteria 1: Placed backfill r	nate	erial as per				
2		Performance Criteria 2: Stocked aggregnstructions.	ate	s as per	<u> </u>			
3		Performance Criteria 3: Spread materia nstructions.	ls as	s per				
4		Performance Criteria 4: Excavated soft er instructions.	soil	strata as				
Compe	ete	nt 🗆	No	ot Yet Compet	ent I			
Assess	sm	nent Task 6		Description of Load Dump			nt ta	sk
During following		ne practical assessment, candidate den	non	strated the	Ye	es N	0	Remarks
1		Performance Criteria 1: Identified the	loa	ding site.				
2		Performance Criteria 2: Filled the bud and gently.	ket.	smoothly				
3		Performance Criteria 3: Communicate	ed v	with signaler.				
4		Performance Criteria 4: Loaded truck capacity.	as	per				
Compe	ete	nt □	N	Not Yet Compe	etent			
Portfo	olio	(if any)		Description	of po	ortfolic)	
Curre	ent	☐ Sufficient ☐ Authenti	 c□	Valid			R	Reliable □
Portfo	Portfolio meet the following performance standards		s:		Yes	No	o Remarks	
1		Performance criteria for the eval Submitted log book or activity recor project, pictures etc.) completed duri	d (þ	practical journ				
Comp	oet	ent 🗆		Not Yet Cor	npet	ent 🗆	ı	,

Title of Qualification: National Vocational Certificate level 3 in Heavy Machine Operator		CS Code:	Level: 3	Version: 1 (2019)			
Competency Standard Title: 073200593 Operate Wheel Loader		Assessment	Date (DD/MM	/YY):			
Guidance for Candidate	To complete your assessment f questions on the following page		cy Standard,	you need to answer the			
	ide (to be completed by the Assest the assessment)	sor and signed bot	h by the asses	sor and the			
Candidate Details	Name:	Regis	tration/Roll Nu	mber:			
	Candidate's Signature:						
	COMPETENT	NOT '	YET COMPET	ENT			
Written Assessment Outcome	Name of the Assessor:	Asses	sor's code:				
	Signature of the Assessor:						
Feedback to t	he candidate on assessment.						
Candidate Signatu	re As	sessor Signature					

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate level 3 in		3	1 (2019)
Heavy Machine Operator			
Competency Standard Title:	Assessmei	nt Date (DD/N	MM/YY):
Competency Standard Title:	Assessmei	nt Date (DD/N	MM/YY):
Competency Standard Title: 073200593 Operate Wheel Loader		nt Date (DD/N	MM/YY):

WRITTEN ASSESSMENT

Question	Candidate's answer
Describe controls of the Wheel Loader?	
Describe different components of Wheel Loader and their functions?	
Describe capacities & capabilities of Wheel Loader?	

Question		Candidate's answer
4.	Describe attachments of Wheel Loader and their purposes?	
5.	Describes basic tools and supplies of the Wheel Loader?	
6.	Describe safety equipment of Wheel Loader?	
7.	Explain daily maintenance works of Wheel Loader?	

Question	Candidate's answer
8. Write down emergency shut- down procedure of Wheel Loader?	
9. Explain basic operating functions of Wheel Loader?	
10. Write down pre start checks, startup / shutdown procedures of Loader Machine?	

Title of Qualification:	CS Code:	Level: 3	Version:
National Vocational Certificate level 3,	0732CON05		1 (2019)
In Heavy Machine Operator			
Competency Standard Title:	Assessment Da	ate (DD/MM/YY):	
Competency Standard Title: Summative Assessment HMO NVQF Level-3	Assessment Da	ate (DD/MM/YY):	
	Assessment Da	ate (DD/MM/YY):	
	Assessment Da	ate (DD/MM/YY):	

Candidate Details	Name:
	To meet this standard, you are required to complete the following within the given
	time frame (for practical demonstration & assessment):
Guidance for	Assessment Task: In a given situation to A. Operate Bulldozer. B. Operate Wheel Loader.
Candidate	And complete:
	 3. Knowledge assessment test (Written or Oral). 4. Portfolios at the time of assessment (if any).

During a practical assessment, under observation by an assessor, you are required to

A. Operate Bulldozer. B. Operate Wheel Loader.

demonstrating the following criteria:

A. Operate Bull Dozer.

Operate different operating controls simultaneously as per assessor's instructions.

Strip and stockpile surface materials

Performance Criteria 1: Remove waste layer up to required depth.

Performance Criteria 2: Move full blade load with optimum capacity.

Performance Criteria 3: Clean up windrows and any remaining waste material.

Performance Criteria 4: Stockpile waste materials.

Cut and fill material

Performance Criteria 5: Cut "humps" and create enough loose material to fill blade before pushing to a given distance.

Performance Criteria 6: Push material to fill depressions.

Performance Criteria 7: Perform rough leveling of ground.

Evidence Required B. Operate Wheel Loader

Minimum

Operate different operating controls simultaneously as per assessor's instructions.

Dig, Carry (tram) & Stockpile Materials

Performance Criteria 1: Fill bucket in loose material.

Performance Criteria 2: Carry loose material to a short distance.

Performance Criteria 3: Place material in a stockpile.

Performance Criteria 4: Spread material in a given area

Performance Criteria 5: Maintain smooth pit floor.

Backfill trenches & Excavate

Performance Criteria 6: Place backfill material as per instructions.

Performance Criteria 7: Stock aggregates as per instructions.

Performance Criteria 8: Excavate soft soil strata as per instructions.

Load Dump Trucks

Performance Criteria 9: Fill the bucket smoothly and gently.

Performance Criteria 9: Load truck as per capacity.

Portfolios required at the time of assessment (if any) for

Performance criteria 1 for the evaluation of portfolio: Submit log book or activity record (practical journal, project, pictures etc.) completed during the training.

Continued on following page

Self-Assessment Checklist

Candidate Name			
Registration No.			
Qualification	National Vocational Certificate Level-3 in Heavy Ma	chine Operato	r
Purpose of Assessment	Summative Assessment		
Assessment Task	Operate Bulldozer.Operate Wheel Loader.Knowledge Assessment		
can		,	
Performance Criteria	a	Yes	No
	A. Operate Bull Dozer.		
1. Remove wa	aste layer up to required depth.		
2. Move full bl	ade load with optimum capacity.		
3. Clean up w	indrows and any remaining waste material.		
4. Stockpile w	aste materials.		
	and create enough loose material to fill blade ning to haulage distance.		
6. Push mater	ial to fill depressions.		
7. Perform rou	ugh leveling of ground.		
	B. Operate Wheel Loader		
 Fill bucket i 	n loose material.		
2. Carry loose	material to a short distance.		
3. Place mate	rial in a stockpile.		
4. Spread mat	terial in a given area.		
5. Maintain sn	nooth pit floor.		
6. Place backt	fill material as per instructions.		
7. Stock aggre	egates as per instructions.		
8. Excavate se	oft soil strata as per instructions.		
9. Fill the buck	ket smoothly and gently.		
10. Load truck			
10. Load truck	as per capacity. Assessor's Signature		

Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: Candidate's Signature:	
Assessment Outcome	Name of the Assessor: Signature of the Assessor:	

Assessment Summary (to be filled by the assessor)								
Activity	Method					Result		
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent	
Practical Skill Demonstration								
Knowledge Assessment								
Other Requirement								

Each Assessment Task (with performance criteria)					
Assess	ment Task	Description of assessment task Operate Wheel Loader, Bulldozer and Transport Machines.			
During followin	the practical assessment, candidate de ng:	monstrated the	Yes	No	Remarks
	A. Op	erate Bull Doze	r.		
1	Performance Criteria 1: Removed was to required depth.	aste layer up			
2	Performance Criteria 2: Moved full bl optimum capacity.	ade load with			
3	Performance Criteria 3: Cleaned up vany remaining waste material.	windrows and			
4	Performance Criteria 4: Stockpiled w materials.	aste			
5	Performance Criteria 5: Cut "humps" enough loose material to fill blade pushing to haulage distance.				
6	Performance Criteria 6: Pushed mate depressions.	erial to fill			
7	Performance Criteria 7: Performed roof ground.	ough leveling			
	B. Ope	rate Wheel Load	der		
1	Performance Criteria 1: Filled bucket material.	in loose			
2	Performance Criteria 2: Carried loose short distance.	e material to a			
3	Performance Criteria 3: Placed mate stockpile.	rial in a			
4	Performance Criteria 4: Spread mate area.	erial in a given			
5	Performance Criteria 5: Maintained s floor.	mooth pit			
6	Performance Criteria 6: Placed backf per instructions.	fill material as			
7	Performance Criteria 7: Stocked aggregates as per instructions.				
8	Performance Criteria 8: Excavated so as per instructions.	oft soil strata			
9	Performance Criteria 9: Filled the bud and gently.	cket smoothly			
10	Performance Criteria 10: Loaded truccapacity.	ck as per			
Compe	tent 🗆	Not Yet Compe	tent 🗖		

Knowledge Assessment

Qua	lification	National Vocational Certificate Level-3 in Heavy Machine Operator						
Pur Ass	pose of essment	Summative As	sessment					
Can Deta	didate ails	Name:						
		Registration Nu	mber:		Siç	gnature	·	
Ass	essment	COMPETENT [NOT	YET CO	MPET	ENT 🗆	
Out	come	Name of the As	ssessor					
		Assessor's cod	de:	S	ignatur	e:		
Port	folio (if any)			Description of p	oortfolio	l		
Cur	rent□	Sufficient□	Authentic	□ Valid□]	R	teliable 🗆	
Port	folio meet the	following perform	nance standa	rds:	Yes	No	Remarks	
1	Submitte	nnce criteria for d log book or activ pictures etc.) comp	vity record (p	ractical journal,				
Con	npetent \square			Not Yet Compe	etent \square			
	•							
		date confidently ans topics and their ap		ns correctly and de	emonstra	ated	Satisfactory	Not Satisfactory
1.	Name variou	s attachments us	ed with Bulld	ozer?				
2.	Name differe	ent components of	Bulldozer?					

3.	Define main function of Bulldozer?	
4.	What is the main function of a Wheel Loader?	
5.	Name various parts of a Wheel Loader?	
6.	Name various sizes of a Bulldozer?	
7.	Miles and the second se	
٠.	What safety precautions would be observed while operating heavy machines?	

National Vocational and Technical Training Commission (NAVTTC)

- Plot 38, Kirthar Road, Sector H-9/4, Islamabad, Pakistan
- +92 51 9044 322
- ♥ +92 51 9044 322
- info@navttc.org
- 🕲 www.navttc.org