

National Occupational Skill Standard (NOSS)

Occupational Title : Chips/Marble Polisher

Level : 1

Sector : Construction

Sub - Sector : Building flooring

NOSS ID/NSCO ID :

ISCO NO :



Council for Technical Education and Vocational Training

NATIONAL SKILL TESTING BOARD

Madhyapur Thimi-17, Sanothimi, Bhaktapur, Nepal

Developed: 16-12-2025 (01-09-2082)



2045

DACUM Panel

S.No.	Name	Designation	Organization
1.	Mrs. Sunita Magar	Member	Futung VDC, Kathmandu
2.	Mrs. Saru Maharjan	Member	Manamaiju VDC, Kathmandu
3.	Mrs. Sanu Upretir	Member	Baneshwor-34, Kathmandu
4.	Mrs. Sarada Khatri	Member	Bauddha, Kathmandu
5.	Mrs. Kanchhi Tamang	Member	Bhimsensthan, Kathmandu
6.	Mrs. Parbati Magar	Member	Bhimsensthan, Kathmandu
7.	Mrs. Gyanu Maharjan	Member	Sundhara, Patan
8.	Mrs. Ambika Thapa	Member	Maharagung, Kathmanu
9.	Mrs. Kalpana Karki	Member	Baluwatar, Kathmandu
10.	Mrs. Anju Khadka	Member	Basundhara, Kathmandu

DACUM Facilitator/Co-facilitator:

1. Mr. Baikuntha Shrestha, Sani. Dept. Head, BSET
2. Mr. Bhumaheshwor Ranjitkar, Sanitary Instructor, BSET, Kathmandu.

Supervisor

Mr. Ishwor Chandra Ghimire, Skill Testing Officer, NSTB

DACUM Workshop on 4 - 5 Feb,2010



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Verified Panel

S.No.	Name	Designation	Organization
1.	Mrs. Kalpana Karki	Member	Baluwatar, Kathmandu
2.	Mrs. Sunita Magar	Member	Futung-3, Kathmandu
3.	Mrs. Radha Sunuwar	Member	Futung-3, Kathmandu
4.	Mrs. Mana Maya Tamang	Member	Naikap, Kathmandu
5.	Ms. Urmila Dangol	Member	Hadigaun, Kathmandu
6.	Ms. Sonu Tamang	Member	Manamaiju-8, Kathmandu
7.	Mrs. Kamala Khadka	Member	Thimi, Bhaktapur
8.	Mrs. Goma Sirmali	Member	Lalitpur Municipality-4, Subahal
9.	Mrs. Sabitri Roka	Member	Gongabu VDC-7
10.	Mrs. Laxmi Shahi	Member	Chibakhel dallu-15
11.	Mrs. Tara Ghimire	Member	Maharajung-3, Kathmandu
12.	Mrs. Saru Maharjan	Member	Manamaiju-5, Kathmandu

DACUM Facilitator/Co-facilitator:

1. Mr. Baikuntha Shrestha, Sani. Dept. Head, BSET
2. Mr. Bhumaheshwor Ranjitkar, Sanitary Instructor, BSET, Kathmandu.

Supervisor

3. Mr. Ishwor Chandra Ghimire, Skill Testing Officer, NSTB

Customized DACUM Workshop on 09 Feb, 2010



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The Occupational Profile Developed by:

No	Name	Designation	Organization
1.	Er. Iswer Raj Onta	Coordinator	Construction Technical Sub Committee National Skill Testing Board, Sanothimi, Bhaktapur.
2.	Mr. Chandra Bhakta Nakarmi	Director	National Skill Testing Board Sanothimi, Bhaktapur.
3.	Er. Kabindra Pudasaini	Member	Director, AE Consult, Jorpati, Kathmandu.
4.	Er. Bhagwan Bahadur Raut	Member	Director, BP Engineer Consult, Ktm.
5.	Ms. Uma Magrati	Member	Boudha, Kathmandu.
6.	Ms. Radha Sunuwar	Member	Futung-3, Kathmandu.
7.	Mr. Deepak Prasad Poudel	Member	Dy-Director, NSTB, Sanothmi, Bhaktapur.
8.	Mr. Ram Hari Devkota	Member	Dy-Director, NSTB, Sanothmi, Bhaktapur.
9.	Mr. Ishwar Chandra Ghimire	Skill Testing Officer,	National Skill Testing Board, Sanothimi, Bhaktapur.
10.	Er. Gunananda Jha	Member Secondary	Construction Technical Sub Committee National Skill Testing Board, Sanothimi, Bhaktapur.

Recommended by Construction Technical Sub Committee: 2009



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The National Occupational Skill Standard Developed by:

No	Name	Designation	Organization
1.	Er. Kishore Kumar Shakya	Coordinator	Construction Technical Sub Committee National Skill Testing Board, Sanothimi, Bhaktapur
2.	Mr. Bhuvaneshor Dhungana	Director	National Skill Testing Board Sanothimi, Bhaktapur
3.	Er. Bijay Krishna Upadhyay	Member	Disaster Resilience Service(DRS) Chabahil, Kathmandu.
4.	Er. Pradeep K.C	Member	CE, Construction Pvt. Ltd. Teku, Kathmandu.
5.	Er. Pradhumna K.C	Member	Expert, Freelancer Mahalaxmi, Lalitpur.
6.	Er. Bir Bahadur Shrestha	Member	Sharpline Solutions Pvt. Ltd. Tinkune, Kathmandu.
7.	Mr. Surya Prasad Adhikari	Member	Skill Testing Officer National Skill Testing Board, Sanothimi, Bhaktapur
8.	Mr. Shreeram Bishwokarma	Member	Siyaram Group Pvt. Ltd. Sanothimi, Bhaktapur
9.	Er. Anjana Ghimire	Member-Secretary	Construction Technical Sub Committee National Skill Testing Board, Sanothimi, Bhaktapur
10.	Mr. Keshab Sharma Ghimire	Facilitator	Deputy Director National Skill Testing Board, Sanothimi, Bhaktapur
11.	Mr. Shiva Nanda Mishra	Facilitator	Skill Testing Assistant National Skill Testing Board, Sanothimi, Bhaktapur

Recommended by Construction Technical Sub Committee: 16 December 2025 (1 Poush 2082)



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1	Occupational Title: Chips/Marble Polisher Level: 1
2	Job Description: Chips/Marble Polisher L-1, prepare surface for polishing and perform polishing.
3	UNITS OF COMPETENCY: <ol style="list-style-type: none"> 1. Prepare surface for polishing. 2. Perform polishing. 3. Perform communication. 4. Develop professionalism. <p><i>*Note: Units 3 and 4 are not for testing purpose.</i></p>
4	Qualifying Notes/Prerequisites: <ul style="list-style-type: none"> • Physical Requirements: Sound health. • Entry Requirements: As per NSTB rules. Additional Information: <ul style="list-style-type: none"> • Assessment Types: Performance test only. • Assessment Duration: 5 Hours (Full competency only). • Recommended Group Size: 6 to 8 candidates.



5	Unit No: 1 Unit Title: Prepare surface for polishing.	Unit code:
	Elements of competency	Performance standards
1.1 Perform site visit	1.1.1 Personal protective equipment (PPE) used in accordance with task requirement. 1.1.2 Polishing surface visually inspected. 1.1.3 Existing damage, stains and uneven area identified and reported to supervisor or, client. 1.1.4 Environmental conditions assessed. 1.1.5 Power source, water supply arrangement checked and managed.	
1.2 Perform cleaning	1.2.1 Tools and equipment collected and checked for working condition in accordance with task requirement. 1.2.2 Materials collected and prepared in accordance with task requirements. 1.2.3 Working area cleared and barricaded with safety signage. 1.2.4 Debris removed and disposed in designated area. 1.2.5 Finished surface adjacent to working area covered to prevent damage and stains. 1.2.6 Working area washed and dried.	
1.3 Perform grinding	1.3.1 Grinding stone/disc selected as per surface type. 1.3.2 Workability of grinding machine checked. 1.3.3 Grinding stone/disc fixed as per manufacturer's instructions. 1.3.4 Grout applied uniformly in joints and cracks matching surrounding surface. 1.3.5 Surface to be polished ground evenly. 1.3.6 Dust and slurry cleaned and disposed in designated area.	



		1.3.7 Finished surface checked for uniform fineness and corrected.
	1.4 Clean work Place	1.4.1 Left over/unused materials sorted for disposal and storage. 1.4.2 Left/unused materials collected and stored in designated area. 1.4.3 Tools and equipment cleaned and stored in designated area. 1.4.4 Workplace cleaned neatly and waste disposed as per 3R's principle in designated area.
6	Task Performance Requirements (Tools, Equipment and Materials): <ul style="list-style-type: none"> Measuring tape, pen, paper, register, wheel barrow, grinding machine, grinding stone/disc, trowel, spirit level, mortar pan, scraper, water, water drum, bucket, jug, grout, sponge, mop, polythene sheet, shovel, brush, wire brush, screw driver, phase tester, insulation tape, air dryer, air blower, cotton cloth, cleaning agent, broom, dust bin, dust pan, extension cord, first aid kit and personal protective equipment (PPE). 	
7	Safety and Hygiene (Occupational Health and Safety): <ul style="list-style-type: none"> Use personal protective equipment. Safe handling of materials, tools and equipment. Hazard involved in handling tools and equipment. Isolate electric hazards. Safe handling of dust and slurry. 	



8	Required Knowledge		
	Technical Knowledge	Applied Calculation	Graphical Information
	<ul style="list-style-type: none"> • Tools and equipment: <ul style="list-style-type: none"> ○ Introduction ○ Types ○ Uses ○ Safe handling • Measurement system • Importance and activities of site visit • Types of surface <ul style="list-style-type: none"> ○ Marble ○ Chips ○ Granite • Cleaning • Barricading • Debris removing • Washing and drying • Defect of surface <ul style="list-style-type: none"> ○ Crack and holes ○ Peeled grout ○ Stains 	<ul style="list-style-type: none"> • Convert imperial unit to metric unit and vice versa 	<ul style="list-style-type: none"> • Read and interpret manufacturer specification



	<ul style="list-style-type: none"> ○ Worn out area ● Grinding machine operation ● Types of grinding stone/pad/disc ● Fixing of grinding stone/pad/disc ● Surface grinding <ul style="list-style-type: none"> ○ Introduction ○ Importance ○ Fineness grading ● Record keeping ● Storage ● Waste management ● Occupational health and safety rules and regulations ● Use and importance of first aid kit 		
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9	Assessment of Competency							
Unit: 1 Unit Title: Prepare surface for polishing								
Candidate Details				Assessors Detail				
Candidate's Name:				Assessors' Name		ID/License No:		
Registration Number:				1.				
Symbol No:				2.				
Test Centre:				Test Date:				
Element of competency	Performance Standards				Standard Met	Standard Not Met	Evidence Type	Comments
1.1 Perform site visit	1.1.1 Personal protective equipment (PPE) used in accordance with task requirement.							
	1.1.2 Polishing surface visually inspected.							
	1.1.3 Existing damage, stains and uneven area identified and reported to supervisor or, client.							
	1.1.4 Environmental conditions assessed.							
	1.1.5 Power source, water supply arrangement checked and managed.							
1.2 Perform cleaning	1.2.1 Tools and equipment collected and checked for working condition in accordance with task requirement.							
	1.2.2 Materials collected and prepared in accordance with task requirements.							
	1.2.3 Working area cleared and barricaded with safety signage.							



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	<p>1.2.4 Debris removed and disposed in designated area.</p> <p>1.2.5 Finished surface adjacent to working area covered to prevent damage and stains.</p> <p>1.2.6 Working area washed and dried.</p>				
1.3 Perform grinding	<p>1.3.1 Grinding stone/disc selected as per surface type.</p> <p>1.3.2 Workability of grinding machine checked.</p> <p>1.3.3 Grinding stone/disc fixed as per manufacturer's instructions.</p> <p>1.3.4 Grout applied uniformly in joints and cracks matching surrounding surface.</p> <p>1.3.5 Surface to be polished ground evenly.</p> <p>1.3.6 Dust and slurry cleaned and disposed in designated area.</p> <p>1.3.7 Finished surface checked for uniform fineness and corrected.</p>				
1.4 Clean work Place	<p>1.4.1 Left over/unused materials sorted for disposal and storage.</p> <p>1.4.2 Left/unused materials collected and stored in designated area.</p> <p>1.4.3 Tools and equipment cleaned and stored in designated area.</p> <p>1.4.4 Workplace cleaned neatly and waste disposed as per 3R's principle in designated area.</p>				

WT- Written Test

OQ- Oral Question

PT- Practical Test

DO – Direct Observation

SR- Supervisor’s report

SN–Simulation

RP- Role Play

PG –Photographs

VD- Video

CT – Certificates

TS – Testimonials (Reward)

PP – Product Produced

CS – Case Study



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Range Statement

Variable	Range
Personal protective equipment	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Helmet • Mask • Apron • Goggles • Gloves • Safety shoes • Knee pads • Earplug
Polishing surface	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Marble • Chips • Uneven joints and moulding surface of granite
Environmental condition	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Lighting • Moisture • Ventilation
Debris	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Excess cement mortar • Dust



	<ul style="list-style-type: none"> • Excess materials
3R's principle	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Reduce • Reuse • Recycle



5	Unit No: 2		Unit code:	
	Unit Title: Perform polishing			
	Elements of competency	Performance standards		
	2.1 Prepare tools, equipment and materials	2.1.1 Personal protective equipment (PPE) used in accordance with task requirement. 2.1.2 Tools and equipment collected and checked for working condition in accordance with task requirement. 2.1.3 Materials collected and prepared in accordance with task requirements.		
	2.2 Perform wax polishing	2.2.1 Ground surface cleaned with cleansing solution and dried. 2.2.2 Wax polish applied evenly on surface with fine cloth/foam. 2.2.3 Wax polish applied surface rubbed until consistent shine. 2.2.4 Surface buffed and uniform shine achieved. 2.2.5 Buffed surface inspected and corrected. 2.2.6 Protective covering adjacent to work area removed.		
2.3 Perform diamond polishing	2.3.1 Required polishing disc/pad collected. 2.3.2 Workability of machine checked. 2.3.3 Appropriate disc/pad securely fixed as per manufacturer's instruction. 2.3.4 Ground surface polished uniformly and buffed until mirror shine achieved. 2.3.5 Protective covering adjacent to work area removed.			
2.4 Clean work area	2.4.1 Left over/unused materials sorted for disposal and storage. 2.4.2 Left/unused materials collected and stored in designated area. 2.4.3 Tools and equipment cleaned and stored in designated area. 2.4.4 Workplace cleaned neatly and waste disposed as per 3R's principle in designated area.			



6	<p>Task Performance Requirements (Tools, Equipment and Materials):</p> <ul style="list-style-type: none"> Measuring tape, pen, paper, register, wheel barrow, grinding machine, grinding disc/pad, buffing pad, trowel, mortar pan, scraper, air dryer, air blower, water, water drum, bucket, jug, grout, wax polish, sponge, mop, polythene sheet, shovel, brush, screw driver, phase tester, insulation tape, cotton cloth, cleansing solution, broom, dust bin, dust pan, extension cord, first aid kit and personal protective equipment (PPE).
7	<p>Safety and Hygiene (Occupational Health and Safety):</p> <ul style="list-style-type: none"> Use personal protective equipment. Safe handling of materials, tools and equipment. Hazard involved in handling tools and equipment. Isolate electric hazards. Safe handling of dust and slurry.



8	Required Knowledge		
	Technical Knowledge	Applied Calculation	Graphical Information
	<ul style="list-style-type: none"> • Tools and equipment: <ul style="list-style-type: none"> ○ Introduction ○ Types ○ Uses ○ Safe handling • Measurement system • Surface cleaning • Cleansing solution preparation technique • Importance of polishing • Method of wax polishing • Types of polishing disc/pad • Fixing of disc/pad • Method of diamond polishing • Record keeping • Storage • Waste management • Occupational health and safety rules and regulations • Use and importance of first aid kit 	<ul style="list-style-type: none"> • Convert imperial unit to metric unit and vice versa 	<ul style="list-style-type: none"> • Read and interpret manufacturer specification



9	Assessment of Competency						
	Unit: 2 Unit Title: Perform polishing						
	Candidate Details			Assessors Detail			
	Candidate's Name: Registration Number: Symbol No: Test Centre:			Assessors' Name 1. 2.		ID/License No:	
		Test Date:					
Element of competency	Performance Standards			Standard Met	Standard Not Met	Evidence Type	Comments
2.1 Prepare tools, equipment and materials	2.1.1 Personal protective equipment (PPE) used in accordance with task requirement.						
	2.1.2 Tools and equipment collected and checked for working condition in accordance with task requirement.						
	2.1.3 Materials collected and prepared in accordance with task requirements.						
2.2 Perform wax polishing	2.2.1 Ground surface cleaned with cleansing solution and dried.						
	2.2.2 Wax polish applied evenly on surface with fine cloth/foam.						
	2.2.3 Wax polish applied surface rubbed until consistent shine.						
	2.2.4 Surface buffed and uniform shine achieved.						
	2.2.5 Buffed surface inspected and corrected.						
	2.2.6 Protective covering adjacent to work area removed.						



<p>2.3 Perform diamond polishing</p>	<p>2.3.1 Required polishing <i>disc/pad</i> collected.</p> <p>2.3.2 Workability of machine checked.</p> <p>2.3.3 Appropriate disc/pad securely fixed as per manufacturer's instruction.</p> <p>2.3.4 Ground surface polished uniformly and buffed until mirror shine achieved.</p> <p>2.3.5 Protective covering adjacent to work area removed.</p>				
<p>2.4 Clean work area</p>	<p>2.4.1 Left over/unused materials sorted for disposal and storage.</p> <p>2.4.2 Left/unused materials collected and stored in designated area.</p> <p>2.4.3 Tools and equipment cleaned and stored in designated area.</p> <p>2.4.4 Workplace cleaned neatly and waste disposed as per <i>3R's principle</i> in designated area.</p>				

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Range Statement

Variable	Range
Personal protective equipment	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Helmet • Mask • Apron • Goggles • Gloves • Safety shoes • Knee pads • Ear plug
Ground surface	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Marble • Chips • Uneven joints and moulding surface of granite
Cleansing solution	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Oxalic acid • Washing powder • Water • Salt
Disc/pad	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Coarse • Medium • Fine



3R's principle	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none">• Reduce• Reuse• Recycle
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