NATIONAL APPRENTICE AND INDUSTRIAL TRAINING AUTHORITY

Transformation of Apprenticeship NVQ - Establishment Assesment Guide

Requirement of Tools , Equipment and others for

MACHINIST

Competency Standards Code : D29S001.2

(Selected Package for Apprenticeship Mode)

Sourse : National Competency Standard

Name , Address of Establishment & Contact Number

Date of Assessment : **District:**

NO	Tools,Equipments & Others	Requirment for the Units													Availability at Establishment (Yes/No)	Remarks
		1	2	3	4	5	6	7	8	9	10	11	12	13		
1	Accessories												✓			
2	Alloy Steel		✓													
3	Aluminum	✓														
4	Angle gauges, Try square, Bevel proctor			✓		✓	✓		✓	✓						
5	Angle grinders				✓											
6	Bench drills		✓													
7	Bench grinding machines with accessories			✓	✓											
8	Boring attachment					✓										
9	Boring machines of various sizes, types and general bench tools and hand tools												✓			
10	Boring tool			✓												
11	Brass	✓	✓													
12	Brass, bronze and other ferrous and non- ferrous material					✓		✓			✓			✓		
13	Bronze ferrous non- ferrous material polymers	✓	✓													
14	Buffing machine, accessories and consumables											✓				
15	C.N.C. Lathe machine and accessories								✓	✓						

16	Cable drill		✓													
17	Carbide			✓			✓									
18	Cast iron and cast steel	✓	✓											✓		
19	Clamps										✓					
20	Compress Air	✓	✓	✓	✓											
21	Compress Air outlet/ air compressor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓			
22	Coolant and lubricating material					✓		✓			✓			✓		
23	Coolant oil			✓			✓									
24	Countersinking/ Counter boring tool sets		✓													
25	Cylindrical grinding machines with accessories				✓											
26	Diamond			✓			✓									
27	Diamond dresser			✓			✓									
28	Dividing head							✓								
29	Drill bits of various types diameters & cutting Taper cone sockets angles		✓													
30	Drill bits tool			✓												
31	ferrous		✓													
32	Finishing tool			✓												
33	Fire Extinguisher (Co2)	✓	✓	✓	✓	✓	✓		✓	✓						
34	Forming			✓												
35	Frist aid box	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓			
36	Gauges				✓											
37	Gear cutters							✓								
38	General bench and hand tools	✓				✓		✓	✓	✓						
39	Grinder cutting tools etc.	✓														
40	Grinding machine, accessories and consumables (surface grinding, circular grinding, pin hole grinding etc.)											✓				
41	Grinding wheels of different types and dimensions				✓											

42	Hack saw	✓														
43	Hand Drills		✓													
44	high carbon steel		✓	✓			✓									
45	High speed steel			✓			✓									
46	Hobbing cutter							✓								
47	Horizontal, vertical & universal milling machines							✓								
48	Horning machine, accessories and consumables											✓				
49	Inside & Outside Thread cutting tool (Metric, English, Acme)			✓												
50	Job card					✓					✓	✓	✓			
51	Knife edge balancing machine (Wheel balancing machine)				✓											
52	Knurling tools	✓														
53	Lapping machine, accessories and consumables											✓				
54	Lathe Accessories & Work holding devices	✓														
55	Lathe machines of various sizes and types	✓						✓								
56	Lifting equipment												✓			
57	Machine Cleaning Equipment	✓	✓	✓	✓	✓	✓		✓	✓						
58	Machine operating manuals Material hand book											✓				
59	Machine taps		✓													
60	Magnate bed				✓											
61	Marking material							✓			✓			✓		
62	Marking table												✓			
63	Marking table and instrument							✓								
64	Marking table and material					✓										
65	Marking table with accessories	✓	✓													
66	Marking tools, equipment and gauges	✓						✓					✓			
67	Material data sheet										✓					

68	Measuring and marking out tools		✓		✓	✓			✓						
69	Measuring and marking tools & equipment									✓					
70	Measuring tools, equipment and gauges	✓						✓			✓		✓		
71	Medium and high carbon steel		✓			✓		✓			✓			✓	
72	Mild steel and Alloy Steel	✓	✓			✓		✓			✓				
73	Milling cutters					✓			✓						
74	Milling machines and related accessories					✓									
75	Multi spindle drilling machines		✓												
76	non- ferrous material		✓												
77	operation manual					✓									
78	Parallel piece set				✓	✓			✓						
79	Parting tool			✓											
80	Pedestal drills		✓												
81	Pedestal grinding machine and accessories			✓	✓										
82	Personal Protective Equipment (PPE)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
83	Pillar drills		✓												
84	Pneumatic drill		✓												
85	polymers and non-metal		✓												
86	Polymers which are generally considered as engineering material					✓		✓			✓			✓	
87	Power hacksaw (light & heavy							✓							
88	Power saw	✓							✓	✓					
89	Punches										✓				
90	Radial drills		✓												
91	Rough cutting tool			✓											
92	Roughness gauge	✓													
93	Safety gear and equipment	✓	✓	✓	✓		✓		✓	✓	✓				
94	Shaper tools										✓				
95	Sin vice				✓										
96	Slotting attachment					✓									
97	Stainless steel,	✓	✓			✓		✓			✓			✓	
98	Star wheel dresser			✓			✓								

99	Surface finish measuring tools and equipment										✓					
100	Surface grinders with accessories				✓											
101	Tool & cutter grinding machine						✓									
102	Tool rest				✓											
103	Tool Steel		✓													
104	Tool/work holders									✓						
105	Turning tool			✓												
106	User manuals											✓				
107	Varies Type Tool & cutter grinding wheel						✓									
108	Various type of turning tools, boring tool, drilling tools, threading tools	✓										✓				
109	Various types of CNC machine tools								✓							
110	Work holding devices		✓		✓											

Selected Qualification (Package)		Units

forwarded by:	***Recommended by:***
Name of the Officer : ……	*Name of the Officer : ……*
Designation : ……	*Designation : ……*
Signature : ……	*Signature : ……*
Date : ……	*Date : ……*
Official Stamp : ……	*Official Stamp : ……*

Certified by:

Name of the Officer : …… *Designation : ……*

Signature : …… *Official Stamp : ……*

Date : ……