Republic of the Philippines TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY East Service Road, South Superhighway, Taguig City

107th TESDA BOARD MEETING

11 January 2019, Friday, 9:00 a.m. 7/F TESDA Board Room, Office of the Chair TESDA Complex, South Superhighway, Taguig City

Resolution No. 2019-06 (Page 1 of 3 pages)

APPROVING AND PROMULGATING THE AMENDMENTS OF THE TRAINING REGULATIONS FOR MACHINING NC I

WHEREAS, TESDA Board Resolution No. 2006-09 was issued approving and promulgating the Training Regulations for Machining NC I last 20 April 2006 during the 49th TESDA Board Meeting;

WHEREAS, it is the policy of TESDA to review after three (3) years any Training Regulations (TRs) promulgated by the TESDA Board;

WHEREAS, the Metalworking Industries Association of the Philippines, Inc. (MIAP) desired to review and upgrade the existing TRs and Competency Assessment Tools in relation to the Machining NC I qualifications. As such, MIAP needs successive training and certification programs to have a pool of trained, competent, certified and ready manpower from which the corporation may recruit to replace outgoing machining personnel;

WHEREAS, the MIAP Expert Panels, with the assistance of the Qualifications and Standards Office (QSO) of TESDA, have recommended the amendment of the existing Training Regulations for Machining NC I qualification following current industry labor demand and practices;

WHEREAS, during the 105th Standards Setting and Systems Development (SSSD) - Consultation Meeting held on 22 November 2018, the Committee deliberated upon and favorably recommended the amendments of the abovementioned Training Regulations for Machining NC I as attached in Annex A.

WHEREAS, during the 105th Standards-Setting and Systems Development (SSSD) - Consultation Meeting held on 22 November 2018, the Committee agreed to recommend for approval and promulgation of the amendment of the Training Regulation for Machining NC I;

WHEREAS, during the 107th TESDA Board Meeting on 11 January 2019 at 9:00 a.m., the TESDA Board considered the amendments and approved the promulgation of the amended Training Regulation for Machining NC I;

Republic of the Philippines TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY East Service Road, South Superhighway, Taguig City

107th TESDA BOARD MEETING

11 January 2019, Friday, 9:00 a.m. 7/F TESDA Board Room, Office of the Chair TESDA Complex, South Superhighway, Taguig City

Resolution No. 2019-06 (Page 2 of 3 pages)

APPROVING AND PROMULGATING THE AMENDMENTS OF THE TRAINING REGULATIONS FOR MACHINING NC I

NOW, THEREFORE, BE IT RESOLVED, AS IT IS HEREBY RESOLVED, that the TESDA Board in its meeting today, 11 January 2019 at 9:00 am, approves the aforementioned amendments to the Training Regulation for Machining NC I as herein appended;

BE IT RESOLVED FINALLY that:

- (1) Copy of this Resolution and abovementioned Training Regulation be published in the Official Gazette and 1 newspaper of general circulation, and disseminated to all concerned, and the same shall be effective fifteen (15) days upon publication;
- (2) All programs registered under the current Machining NC I must comply with requirements of the aforementioned Training Regulations as amended. The one-year period of re-registration under this new Training Regulation shall commence on the date of effectivity of the Implementing Guidelines/TESDA Circular for the deployment of the Training Regulations to be issued by the TESDA Secretariat; and
- (3) Graduates of TVET courses covered by the aforementioned training regulation shall be required to undergo mandatory assessment under the national assessment and certification program.

Adopted this 11th day of January 2019.

Attested by:

Acting Board Secretary

SEC. ISIDRO S. LAPEÑA, PhD., CSEE TESDA Board Designated Chair Department of Labor and Employment

TESDA-OP-QSO-01-F08 Rev. No. 01 12/05/17

Republic of the Philippines TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY East Service Road, South Superhighway, Taguig City

107th TESDA BOARD MEETING

11 January 2019, Friday, 9:00 a.m. 7/F TESDA Board Room, Office of the Chair TESDA Complex, South Superhighway, Taguig City

> Resolution No. 2019-06 (Page 3 of 3 pages)

APPROVING AND PROMULGATING THE AMENDMENTS OF THE TRAINING REGULATIONS FOR MACHINING NC/

SEC. LEONOR M. BRIONES Department of Education USEC. ZENAIDA C. MAGLAYA Department of Trade and Industry

SEC. EMMANUEL F. PIÑOL Department of Agriculture

SEC. EDUARDO M. AÑO Department of the Interior and Local Government

SEC. FORTUNATO T. DELA PEÑA Department of Science and Technology

ATTY. BAYANI G. DIWA Board Member, Labor Sector

MR. RAMON R. DE LEON Board Member, Labor Sector

ENGR. EMMANUEL P. JUANEZA Board Member, Employer Sector

COMM. PROSPERO E. DE VERA, III, DPA Commission on Higher Education

MR. RENE LUIS M. TADLE Board Member, Labor Sector

MR. ROGELIO J. CHAVEZ, JR. Board Member, Labor Sector

DR. LEONIDA B. ORTIZ Board Member, Employer Sector

MS. PATRICIA C. DALMAS Board Member, Education and Training Sector

Existing Promulgated Training Regulations (Board Resolution No. 2006-09)	Amendments			
Qualification Title				
Machining NC I	Machining NC I			
Job Title				
 Machinist Lathe operator Milling machine operator Precision grinding machine operator Bench worker/fitter Section 1 - Definition of the Qualification	 Machinist Machinist helper Bench worker/fitter Lathe machine operator Milling machine operator Grinding machine operator Shaper machine operator 			
The Machining NC I Qualification consists of competencies that a person must achieve to set up and operate a variety of machine tools to perform precision machining operations. Specifically, this Training Regulations in Machining covers turning, milling, precision grinding and bench work.	The Machining NC I Qualification consists of competencies that a person must achieve to perform basic set up and operate a variety of machine tools to perform precision machining operations. Specifically, this Training Regulations in			
	Machining covers turning, milling, precision grinding, bench work, shape workpiece, and perform basic welding.			
Section 1- Units of Competency				
Basic Competencies	Basic Competencies			
 Receive and respond to workplace communication Work with others Demonstrate Work Values Practice Housekeeping Procedures 	 Receive and respond to workplace communication Work with others Solve/address routine problems Enhance self-management skills Support innovation Access and maintain information Follow occupational safety and health policies and procedures Apply environmental work standards Adopt entrepreneurial mindset in the workplace 			
Common Competencies	Common Competencies			
 Apply safety practices Interpret working drawings and sketches Select and cut workshop materials Perform shop computations (Basic) Measure workpiece (Basic) Perform routine housekeeping Perform preventive and corrective maintenance 	Same prescribed competencies for NC I.			

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Existing Promulgated Training Regulations (Board Resolution No. 2006-09)	Amendments		
Core Competencies	Core Competencies		
1. Perform bench work (Basic)	1 Perform house work (David)		
2. Turn workpiece (Basic)	 Perform bench work (Basic) Turn workpiece 		
3. Mill workpiece (Basic)			
4. Grind workpiece (Basic)			
	4. Grind workpiece		
	5. Shape workpiece		
Section 2 - Competency Standards	6. Repair workpiece		
Updates/Changes were made consistent with the Core Competencies.	proposed amendments on Basic, Common an		
Section 3 - Training Standards			
3.1 Curriculum Design			
Nominal Training Duration:	Nominal Training Duration:		
374 hrs - Total	47 hrs – Basic Competencies		
	60 hrs – Common Competencies		
	859 hrs – Core Competencies		
	624 hrs – OJT		
	1,590 hrs - Total		
	1,000 1115 - 10121		
Course Description			
This qualification is designed to develop	This course is designed to provide the		
knowledge, desirable attitudes and skills of	This course is designed to provide the learner with knowledge, practical skills and		
Machinist NC I.	attitude, applicable in performing work		
It covers the competencies required to	activities involve in performing bench work		
it covers the competencies required to	(basic), turning workpiece, milling workpiece,		
Perform Bench work (Basic), Turn Workpiece	grinding worksiese shart		
	ginuing workpiece, snaping workpiece and		
Basic), Mill Workpiece (Basic) and Grind	grinding workpiece, shaping workpiece and repairing workpiece. This include classroom		
Basic), Mill Workpiece (Basic) and Grind workpiece (Basic).	repairing workpiece. This include classroom learning activities and practical work in actual		
Basic), Mill Workpiece (Basic) and Grind workpiece (Basic).	repairing workpiece, snaping workpiece and repairing workpiece. This include classroom learning activities and practical work in actual work site or simulation area.		
Basic), Mill Workpiece (Basic) and Grind workpiece (Basic). To obtain this, all units of competency	repairing workpiece. This include classroom learning activities and practical work in actual		
Basic), Mill Workpiece (Basic) and Grind workpiece (Basic). To obtain this, all units of competency prescribed for this qualification must be	repairing workpiece. This include classroom learning activities and practical work in actual		
Basic), Mill Workpiece (Basic) and Grind workpiece (Basic). To obtain this, all units of competency prescribed for this qualification must be achieved.	repairing workpiece. This include classroom learning activities and practical work in actual work site or simulation area. Upon completion of the course, the learners are expected to demonstrate the		
Basic), Mill Workpiece (Basic) and Grind workpiece (Basic). To obtain this, all units of competency prescribed for this qualification must be achieved.	repairing workpiece. This include classroom learning activities and practical work in actual work site or simulation area. Upon completion of the course, the learners are expected to demonstrate the above-mentioned competencies to be		
Basic), Mill Workpiece (Basic) and Grind workpiece (Basic). To obtain this, all units of competency prescribed for this qualification must be achieved.	repairing workpiece. This include classroom learning activities and practical work in actual work site or simulation area. Upon completion of the course, the learners are expected to demonstrate the		
(Basic), Mill Workpiece (Basic) and Grind workpiece (Basic). To obtain this, all units of competency prescribed for this qualification must be achieved.	repairing workpiece. This include classroom learning activities and practical work in actual work site or simulation area. Upon completion of the course, the learners are expected to demonstrate the above-mentioned competencies to be		
Basic), Mill Workpiece (Basic) and Grind workpiece (Basic). To obtain this, all units of competency prescribed for this qualification must be achieved.	repairing workpiece. This include classroom learning activities and practical work in actual work site or simulation area. Upon completion of the course, the learners are expected to demonstrate the above-mentioned competencies to be employed. To obtain this, all units prescribed		
Basic), Mill Workpiece (Basic) and Grind workpiece (Basic). To obtain this, all units of competency prescribed for this qualification must be achieved. 3.2 Training Delivery The delivery of training should adhere to the	repairing workpiece. This include classroom learning activities and practical work in actual work site or simulation area. Upon completion of the course, the learners are expected to demonstrate the above-mentioned competencies to be employed. To obtain this, all units prescribed for this qualification must be achieve.		
 Basic), Mill Workpiece (Basic) and Grind workpiece (Basic). To obtain this, all units of competency prescribed for this qualification must be achieved. 3.2 Training Delivery The delivery of training should adhere to the design of the curriculum. Delivery should be 	repairing workpiece. This include classroom learning activities and practical work in actual work site or simulation area. Upon completion of the course, the learners are expected to demonstrate the above-mentioned competencies to be employed. To obtain this, all units prescribed for this qualification must be achieve.		
Basic), Mill Workpiece (Basic) and Grind workpiece (Basic). To obtain this, all units of competency prescribed for this qualification must be achieved. 3.2 Training Delivery The delivery of training should adhere to the design of the curriculum. Delivery should be guided by the 10 basic principles of	repairing workpiece. This include classroom learning activities and practical work in actual work site or simulation area. Upon completion of the course, the learners are expected to demonstrate the above-mentioned competencies to be employed. To obtain this, all units prescribed for this qualification must be achieve.		
Basic), Mill Workpiece (Basic) and Grind vorkpiece (Basic). To obtain this, all units of competency prescribed for this qualification must be achieved. 3.2 Training Delivery The delivery of training should adhere to the design of the curriculum. Delivery should be	 repairing workpiece. This include classroom learning activities and practical work in actual work site or simulation area. Upon completion of the course, the learners are expected to demonstrate the above-mentioned competencies to be employed. To obtain this, all units prescribed for this qualification must be achieve. 1. The delivery of training shall adhere to the design of the curriculum. Delivery shall be 		

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Existing Promulgated Training Regulations (Board Resolution No. 2006-09)	Amendments
 The training is based on curriculum developed from the competency standards; Learning is modular in its structure; Training delivery is individualized and self-paced; Training is based on work that must be performed; Training materials are directly related to the competency standards and curriculum modules; Assessment is based in the collection of evidence of the performance of work to the industry required standard; Training is based both on and off-the –job component; Allows for the recognition of prior learning (RPL) or current competencies; Training allows for multiple entry and exit; and Approved training programs are nationally accredited. 	 a. Course design is based on competency standards set by the industry or recognized industry sector; (Learning system is driven by competencies written to industry standards) b. Training delivery is learner-centered and should accommodate individualized and self-paced learning strategies; c. Training can be done on an actual workplace setting, simulation of a workplace and/or through adoption of modern technology. d. Assessment is based in the collection of evidence of the performance of work to the industry required standards; e. Assessment of competency takes the trainee's knowledge and attitude into account but requires evidence of actual performance of the competency as the primary source of evidence. f. Training program allows for recognition of prior learning (RPL) or current competencies; g. Training completion is based on satisfactory performance of all specified competencies.
The competency-based TVET system recognizes various types of delivery modes, both on and off-the-job as long as the learning is driven by the competency standards specified by the industry. The following training modalities may be adopted when designing training programs:	 The competency-based TVET system recognizes various types of delivery modes, both on-and off-the-job as long as the learning is driven by the competency standards specified by the industry. The following training modalities and their variations/ components may be adopted singly or in combination with other modalities when designing and delivering training programs:
 The dualized mode of training delivery is preferred and recommended. Thus programs would contain both in school and in-industry training of fieldwork components. Details can be referred to the Dual Training System (DTS) Implementing Rules and Regulations 	 Dual Training System (DTS)/Dualized Training Program (DTP) which contain both in-school and in-industry training or fieldwork components. Details can be referred to the Implementing Rules and Regulations of the DTS Law and the TESDA Guidelines on the DTP;

Existing Promulgated Training Regulations (Board Resolution No. 2006-09)	Amendments
 Modular / self-paced learning is a competency- based training modality wherein the trainee is allowed to progress at his own pace. The trainer facilitates the training delivery Peer teaching / mentoring is training modality wherein fast learners are given the opportunity to assist the slow learners. Supervised industry training or on-the-hob training is an approach in training designed to enhance the knowledge and skills of the trainee through actual experience in the workplace to acquire specific competencies prescribed in the training regulations. Distance learning is formal education process in which majority of the instructor are not in the same place. Distance learning may employ correspondence study, or audio, video or computer technologies. 	 Distance learning is a formal education process in which majority of the instruction occurs when the students and instructor are not in the same place. Distance learning may employ correspondence study, audio, video, computer technologies or other modern technology that can be used to facilitate learning and formal and nonformal training. Specific guidelines on this mode shall be issued by the TESDA Secretariat. Supervised Industry Training (SIT) or on-the-job training (OJT) is an approach in training designed to enhance the knowledge and skills of the trainee through actual experience in the workplace to acquire specific competencies as prescribed in the training regulations. It is imperative that the deployment of trainees in the workplace is adhered to training programs agreed by the institution and enterprise and status and progress of trainees are closely monitored by the training institutions to prevent opportunity for work exploitation. The traditional classroom-based or incenter instruction may be enhanced through use of learner-centered methods as well as laboratory or field-work components. Formal Apprenticeship – Training within employment involving a contract between an approved apprentice able occupation.

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 Informal Apprenticeship - is based on a training (and working) agreement between an apprentice and a master craftsperson wherein the agreement may be written or oral and the master craftsperson commits to training the apprentice in all the skills relevant to his or her trade over a significant period of time, usually between one and four years, while the apprentice commits to contributing productively to the work of the business. Training is integrated into the production process and apprentices learn by working alongside the experienced craftsperson. Enterprise-based Training- where training is implemented within the company in accordance with the requirements of the specific company. Specific guidelines on this mode shall be issued by the TESDA Secretariat.
Community-Based - refers to a short program conducted or coordinated by NGOs, LGUs, training centers and other TVET providers which are intended to address the specific needs of a community. Such programs are usually conducted in informal settings such as barangay hall, basketball courts and other available venues in a community.
ection specifies the qualifications of
e to read and write perform basic mathematical ity to communicate (non-verbal and bal)

Existing Promulgated Training Regulation (Board Resolution No. 2006-09)		5	Amendments		
4 Listo	Tools, Equipment and Matoriala				
Recom	mended list of tools equipment and	materials for	the training of 20 tooling		
ransmissi	on Line Installation and Maintenance	NC II:	the training of <u>20 trainees</u> for		
		FULL QU	ALIFICATION		
	TOOLS	[70.01		
QTY.	DECRIPTION	QTY.	TOOLS		
Drawing	Instruments		DECRIPTION		
5 pcs.		2pcs	Aluminum Silicate Grinding		
5 pcs.	30 x 60 degrees triangle		Wheel, dia 8" x dia 1" x 1" for		
5 pcs.	45 degrees triangle	100	Carbide diamond CBN		
5 pcs.	Protractor	1pc	Angle Plate 150mmx150mm		
5 pcs	Ruler	4pcs	Angle square, 150mm size		
5 pcs.	Scale Ruler 12 "	1set	Angle wheel dresser and		
5 pcs	Compass	1-1	attachment		
2sets	Drawing pencil	1pc	Angular Milling Cutter, dia		
Layout T	ools	2000	100mm		
1 pc.	Surface Plate, 500x500 mm	2pcs	Ball End-mill dia, 6mm		
2 sets	Center punch	2pcs	Ball End-mill, dia 10mm		
2 sets	Prick punch	5pcs	Ball peen hammer, 200g		
2 sets	Scriber	5pcs	Ball peen hammer, 250g		
5 pcs.	Divider	5pcs	Center drill, #3		
5 pcs.		2pcs	Center gauge, standard size		
1 pc.	Soft hammer Trammel	5pcs	Center punch, 150mm long		
2 sets		1pc	Combination square, 200mm		
2 units	Combination set		size		
	Vernier Height gauge, 12 "	1set	Concave Radius Gauge, 1mm		
4 pcs.	Parallel clamps		to 14mm		
5 pcs.	Steel square, 6"	1set	Convex Radius Gauge, 1mm		
2 pcs	Steel square, 12"		to 14mm		
1 pc.	Steel square, 24"	2pcs	Countersink, dia 25mm		
10 pcs	Ball peen hammer, 12 ounce	2sets	Cylindrical grinding attachment		
2 pcs	Angle iron precision, 100x100	2pcs	Dial indicator on Magnetic		
2 pcs	V-block 50x75 mm	1pc	Stand		
leasuring	Tools:	ipc	Diamond Wheel Dresser and holder		
10 pcs	Vernier caliper 150mm	2pcs			
5 pcs.	Vernier caliper 200mm	1pc	Divider, 6"		
2 pcs.	Vernier caliper 150mm	2sets	Dovetail Cutter, dia 25mm		
2 pcs.	Drill gauge	23013	Drill chuck with key, tapered		
5 pcs.	Micrometer 0-25	2pcs	sleeve and drift key		
3 pcs.	Micrometer 25-50	zpus	Drill point sharpening gauge,		
2 pcs.	Micrometer 50-75	1L can	oll stone		
3 Sets	Dial Indicator Diverse t		Dye blue		
010	Dial Indicator Plunger type with magnetic stand	2pcs	End Mill, dia 10mm		
	that magnetic stand	2pcs	End Mill, dia20mm		
		1pc	Face Milling Cutter, dia 50mm		

Existing Promulgated Training Regulation (Board Resolution No. 2006-09)		13		Amendments
	TOOLS	_		
QTY. DECRIPTION				TOOLS
Measuri			QTY.	DECRIPTION
2 pcs		4 .	1set	Fixed reamer, dia 6mm to
2 pcs.	Drill gauge	-		12mm
Bench To	Screw pitch gauge		pcs	Flat file, 8"
10 pcs	Hack saw frame		pcs	Flat chisel
3 pcs			pcs	Gap Bench Vise, 150mm
3 pcs	Cape chisel Anvil		1pc	Gap Machine vise, 150mm
10 pcs		2	pcs	Gap precision vise, 80mm x
2 sets	Round file			200mm x 80mm with 100mm
	Needle file		pcs	Hacksaw, 1 ft long
1 set	Counter boring tool)pcs	Hacksaw blade, 1 ft long
2 sets 1 set	Taps 4 mm to 12 mm	5	pcs	Half-round file, 6"
i set	Tap wrench handle:	5	pcs	Half-round file, 8"
	M1 to M10	5	DCS	Hand tap wrench, medium size
2 sets	M1 to M12	55	sets	Hand tap, M12 x1.75
	Philips screw driver	1	рс	Height gauge, 300mm
5 pcs	Combination pliers, 150 mm	25	pcs	HSS Blank tool bit, 3/8" x std
10	long			length
10 pcs	Bench vice	20	DCS	Machine Tap, M12x1.75
3 pcs	Diamond point chisel		DCS	Magnetic Plate
10 pcs	Flat file		OCS	Magnetic Sine Chuck
10 pcs	Triangular file		CS	Magnetic V-block
1 set	Reamer 6 mm to 20 mm		CS	Micrometer, 0 to 25mm
1 set	Spot- facing tool		CS	Micrometer, 25 to 50mm
	Stock and die, 4 mm to 12		CS	Parallel bars, 10mm x30mm
E	mm			x100mm
5 pcs	Vice grip, length175 mm	2 p	CS	Parallel bars,
2 sets	Allen wrench, 4 to 10 mm			80mmx15mmx8mm
6 pcs	Oil can	2 p	CS	Parallel bars,
10 pcs	Flat cold chisel			150mmx25mmx12mm
3 pcs	Round nose chisel	1p	C	Plain Milling Cutter, dia 60mm
10 pcs	Square file	1p		Ply Cutter, dia 80mm
10 pcs	Half round file	2pc		Protractor 200mm
2 Set	Drills 4 mm to 12 mm	150		Radius wheel dresser and
1 set	Counter-sinking tool			attachment
5 pcs	Adjustable Wrench, 10"	5pc	s	Reamer dia 10mm
2 set	Screw driver: length 140 &	2pc		Rubber Mallet 200-
0	160	5pc		Rubber Mallet, 200g
2 sets	Open end wrench, 4 mm to	1pc		Scriber, 200mm long
	20 mm	1pc		Side Milling Cutter, dia 100mm
the Tools		2pc		Slag Hammer
1 Set	Thread gage, - Vee and	2pc		Slitting Cutter, dia 100mm
	Acme			Spot facing tool, 25mm
1 set	Taper gauge	5pc		Steel rule, 6"
2 pcs.	Center gage	2 pc		Steel rule, 300mm
		1pc		Steel tape, 3 m

	rd Resolution No. 2006-09)	
	TOOLS	
QTY.	DECRIPTION	QTY.
Milling To	ools	1 set
1 set	Inside micrometer	2sets
	Surface finish gauge block	1pc
2 pcs	Precision square, 8 "	
Grinding	Tools	1pc
2 pcs	Wheel dresser	1set
1 set	Radius gauge	1set
1 set	Gauge blocks	5pcs
Safety De	vice	1 set
1 box	First –Aid kit	5pcs
4 cyl	Fire extinguisher	2 pcs
25 pcs	Safety goggle	5pcs
5 pcs	Safety shield	2pcs
		2pcs
		2 pcs

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Amendments			
TOOLS			
QTY.			
1 set	Stock and die, M4 to M14		
2sets	Stock and die, M12 x 1.75		
1pc	Surface Texture Gauge (Rugo		
	Test)		
1pc	Tee-slot Cutter, dia 20mm		
1set	Thread pitch gauge, English		
1set	Thread pitch gauge, Metric		
5pcs	Triangular file, 6"		
1 set	Twist drill, 1mm to 13mm		
5pcs	Twist drill dia 9.8mm		
2 pcs	Vernier caliper, 50mm		
5pcs	Vernier caliper, 150mm		
2pcs	Vernier Caliper 300mm		
2pcs	V-block, 50mm x 100mm		
2 pcs	V-block, 50mmx50mmx75mm		
Clampin	tools:		
2pcs	3-Jaw Chuck		
2pcs	4- Jaw Chuck		
4pcs	Gap C-clamp, 100mm		
2 pcs	Gap toggle clamp, 100mm		
4pcs	Gap toggle clamp, 100mm Parallel clamp, 150mm length		
	High Speed Steel (HSS) Tool		
Bits:	ingh opeed Steel (HSS) 1001		
2pcs	Boring tool		
2pcs	Cut-off		
2pcs	Dial indicator on Magnetic		
	Stand		
2pcs	Knurling Tool, standard size		
2pcs	Left Hand		
2pcs	Right Hand		
2pcs	Surface Gauge		
2pcs	Threading		
	essories:		
1pc			
2sets	Adjustable Wrench, 150mm		
2pcs	Allen wrench, 1.5-12mm Dead Center		
1pc	Face Plate		
1pc			
1pc	Follower Rest		
	Lathe Dog, small		
1pc	Lathe Dog, big		
2pcs	Live Center		
2sets	Open wrench, 8-22mm		
2pcs	Rubber mallet, 250g		

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ting Promulgated Training Regulations (Board Resolution No. 2006-09)	Amendments		
		TOOLS	
	QTY.	TOOLS	
		DECRIPTION	
	1pc	Steady Rest	
	1pc	Taper Attachment	
	8 pairs	T-Bolts and Nuts	
	2pcs	T-wrench, standard size	
	Tool hole		
	2pcs	Boring tool holder	
	2pcs	Cut-off tool holder	
	2pcs	Neutral (straight)	
		achine Accessories:	
	2pcs	Angle Plate, 6" x 6"	
	2pcs	Gap Machine Vise, 6'"	
	1pc	Rotary Table	
	8pcs	Tee -Bolts and Nuts	
	[FOUR	
	QTY.	EQUIPMENT	
	1pc	DECRIPTION	
	ipc	Bench drill press machine and	
		its accessories to include: drill	
		chuck with key, tapered	
	2pcs	sleeve, and drift key	
	zpus	Engine Lathe with working	
	1pc	coolant system	
	ipc	Manual Surface Grinding	
		Machine (500mm Bed length)	
	1pc	with Dust extractor	
	1pc	Metal table, 500x 500 x 50 mm	
		Pedestal grinder (medium	
		size) and its accessories to	
		include: grinding wheel	
	1pc	dresser, open wrench Semi-Automatic Surface	
	ipo	Grinding Machine (500	
		Grinding Machine (500mm Bed length) with Dust extend	
	1 unit	Bed length) with Dust extractor	
	. unit	Shaper Machine with complete Accessories	
	1pc		
	1pc	Universal Milling Machine	
	2pcs	Vertical Milling Machine	
	3pcs	Working Chair	
		Working Table, 3ft x 6ft	
	1 unit	ith complete Accessories	
		Electric Welding Machine	
	1 unit	Portable grinder with complete	
		accessories, std	

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isting Promulgated Training Regulation (Board Resolution No. 2006-09)	Amendments		
		MATERIALS	
	QTY.	DECRIPTION	
	2 kg	Brass welding rod dia 3mm	
	25pcs	Cold Rolled Steel (CRS) dia	
		50 x 110 mm	
	20 L	Coolant	
	5pcs	File card	
	1set	First aid kit	
	5 kg	High carbon welding rod dia	
		3mm	
	10 kg	Low carbon welding rod dia 3mm	
	25pcs	MS Plate 102 x 102 x 10mm	
	25pcs	MS Rod dia 12mm x 50mm	
	25 pcs	MS Square Bar,	
		50mmx50mmx75mm	
	2pcs	Oil can, small	
	2pcs	Paint brush, 50mm	
	5pcs	Paint brush , 1"	
	50 pcs	Rags	
	25 sheet	Sand paper	
	2 kg	Stainless Steel welding rod dia 3mm	
	5pcs		
	1 kg	Steel brush, standard size	
	6pairs	Tungsten welding rod dia 3mm	
	opairs	T-bolt and nut (to fit t-slot of Shaper)	
	1L	Water container	
		Protective Equipment	
	25 pcs	Apron	
	25 pcs	Dust mask	
	25 pairs	Ear plugs	
	25 pairs	Safety gloves	
	25 pcs	Safety goggles	
	25 pairs	Safety shoes	
	25 pcs	Welder's helmet	
	25 pcs	Welder's mask	
	COC 1 – PER	FORM TURNING OPERATION	
		TOOLS	
	QTY.	DECRIPTION	
	1pc	Angle Plate, 150mmx150mm	
		Angle square, 150mm size	
1		sid oquale, 150mm size	

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kisting Promulgated Training Regulations (Board Resolution No. 2006-09)	Amendments		
		10010	
	QTY.	TOOLS	
		DECRIPTION	
	5pcs	Ball peen hammer, 200g	
	5pcs	Center drill, #3	
	2pcs	Center gauge, standard size	
	5pcs	Center punch, 150mm long	
	1pc	Combination square, 200mm size	
	1set	Concave Radius Gauge, 1mm to 14mm	
	1set	Convex Radius Gauge, 1mm to 14mm	
	2pcs	Counter sink	
	2pcs	Dial indicator on Magnetic Stand	
	2pcs	Divider, 6"	
	2sets	Drill chuck with key, tapered sleeve and drift key	
	2pcs	Drill point sharpening gauge, Oil stone	
	1L can	Dye blue	
	1set	Fixed reamer, dia 6mm to 12mm	
	5pcs	Flat chisel	
	5pcs	Flat file, 8"	
	6pcs		
	1pc	Gap Bench Vise, 150mm	
	5pcs	Gap Machine vise, 150mm Hacksaw, 1 ft long	
	10pcs	Hacksaw, Tilliong	
	5pcs	Hacksaw blade, 1 ft long Half-round file, 6"	
	1pc	Half round file, 0	
	5sets	Half round file, 8"	
	5pcs	Hand tap, M12 x1.75	
	1pc	Hand tap wrench, medium size	
	2pcs	Height gauge, 300mm	
	2pcs	Micrometer, 0 to 25mm	
	6pcs	Micrometer, 25 to 50mm	
		Parallel bars, 10mm x30mm x100mm	
	2pcs	Protractor, 200mm	
	5pcs	Reamer, dia 10mm	
	5pcs	Scriber 200mm long	
	1pc	Slag Hammer	
	2pcs	Spot facing tool, 25mm	
	5pcs	Steel rule, 6"	
	1pc	Steel tape, 3 m	
	1 set	Stock and die, M4 to M14	

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(Board Resolution No. 2006-09)		Amendments
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		TOOLS
	QTY.	DECRIPTION
	2sets	Stock and die, M12 x 1.75
	1pc	Surface Texture Gauge (Rugo Test)
	1set	Thread pitch gauge, English
	1set	Thread pitch gauge, Metric
	5pcs	Triangular file, 6"
	5pcs	Twist drill, dia 9.8mm
	5pcs	Vernier caliper, 150mm
	2pcs	Vernier Caliper, 300mm
	2pcs	V-block, 50mm x 100mm
	Clamping	g tools:
	4pcs	C-clamp
	4pcs	Parallel clamp
	2pcs	Toggle clamp
	2pcs	3-Jaw Chuck
	2pcs	4- Jaw Chuck
	3/8 inch I	High Speed Steel (HSS) Tool
	Bits:	
	2pcs	Boring tool
	2pcs	Cut-off
	2pcs	Knurling Tool, standard size
	2pcs	Left Hand
	2pcs	Right Hand
	2pcs	Surface Gauge
÷.	2pcs	Threading
		essories:
	1pc	Adjustable Wrench, 150mm
	2sets	Allen wrench, 1.5-12mm
	2pcs	Dead Center
	1pc	Face Plate
	1pc	Follower Rest
	1pc	Lathe Dog, small
	1pc	Lathe Dog, big
	2pcs	Live Center
	2sets	Open wrench, 8-22mm
	2pcs	Rubber mallet, 250g
	1pc	Steady Rest
	1pc	Taper Attachment
	8 pairs	T-Bolts and Nuts T-wrench, standard size
	2pcs	

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Promulgated Training Regulations Board Resolution No. 2006-09)		Amendments
		TOOLS
	OTV	TOOLS
	QTY. Tool hol	DECRIPTION
	2pcs	Boring tool holder
	2pcs	Cut-off tool holder
	2pcs	Neutral (straight)
		EQUIPMENT
	QTY.	DECRIPTION
	1pc	Bench drill press machine and
		its accessories to include: drill
		chuck with key, tapered
		sleeve, and drift key
	1 pc	Chair, monoblock, with arm rest
	2pcs	Engine Lathe with working coolant system
	1pc	Metal table, 500x 500 x 50 mm
	1pc	Metal working table with 4 legs (1m x 1m x 1m height)
	1pc	Pedestal grinder (medium
		size) and its accessories to
		include: grinding wheel
		dresser, open wrench
	3pcs	Working Table, 3ft x 6ft
	1pc	Working table with drawer (1m x 1/2m)
	1pc	Working Chair
		with complete Accessories
	1 unit	Electric Welding Machine
	1 unit	Portable grinder with complete
		accessories, std
	0.54	MATERIALS
	QTY.	DECRIPTION
	2pcs	Aluminum Silicate Grinding Wheel, dia 8" x dia 1" x 1"
	25pcs	Cold Rolled Steel (CRS) dia 50 x 110 mm
	20 L	Coolant
	5pcs	File card
	5pcs 1set	File card First aid kit
	5pcs 1set 25pcs	File card First aid kit MS Plate 102 x 102 x 10mm

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(Board Resolution No. 2006-09)		Amendments
		MATERIALS
	QTY.	DECRIPTION
	2pcs	Oil can, small
	5pcs	Paint brush , 1"
	50 pcs	Rags
	25 sheet	
	5pcs	Sand paper
	1L	Steel brush, standard size
		Water container
	10 kg	Low carbon welding rod dia 3mm
	5 kg	High carbon welding rod dia 3mm
	1 kg	Tungsten welding rod dia 3mn
	2 kg	Brass welding rod dia 3mm
	2 kg	Stainless Steel welding rod dia 3mm
	Personal	Protective Equipment
	25 pcs	Apron
	25 pcs	Dust mask
	25 pairs	Ear plugs
	25 pairs	Safety gloves
	25 pcs	Safety goggles
	25 pairs	Safety shoes
	25 pcs	Welder's helmet
	25 pcs	Welder's mask
	COC 2 – PE	RFORM MILLING OPERATION
		TOOLS
	QTY.	
	QTY. 1pc	DECRIPTION
		DECRIPTION Adjustable Wrench, 150mm
	1pc	DECRIPTION Adjustable Wrench, 150mm Angle Plate, 6" x 6"
	1pc 2pcs	DECRIPTION Adjustable Wrench, 150mm Angle Plate, 6" x 6" Angle Plate, 150mmx150mm
	1pc 2pcs 1pc	DECRIPTION Adjustable Wrench, 150mm Angle Plate, 6" x 6" Angle Plate, 150mmx150mm Angle square, 150mm size Angular Milling Cutter, dia
	1pc 2pcs 1pc 4pcs	DECRIPTION Adjustable Wrench, 150mm Angle Plate, 6" x 6" Angle Plate, 150mmx150mm Angle square, 150mm size Angular Milling Cutter, dia 100mm
	1pc 2pcs 1pc 4pcs 1pc	DECRIPTION Adjustable Wrench, 150mm Angle Plate, 6" x 6" Angle Plate, 150mmx150mm Angle square, 150mm size Angular Milling Cutter, dia 100mm Ball End-mill dia, 6mm
	1pc 2pcs 1pc 4pcs 1pc 2pcs	DECRIPTION Adjustable Wrench, 150mm Angle Plate, 6" x 6" Angle Plate, 150mmx150mm Angle square, 150mm size Angular Milling Cutter, dia 100mm Ball End-mill dia, 6mm Ball End-mill, dia 10mm
	1pc2pcs1pc4pcs1pc2pcs2pcs5pcs	DECRIPTION Adjustable Wrench, 150mm Angle Plate, 6" x 6" Angle Plate, 150mmx150mm Angle square, 150mm size Angular Milling Cutter, dia 100mm Ball End-mill dia, 6mm Ball End-mill, dia 10mm Ball peen hammer, 200g
	1pc2pcs1pc4pcs1pc2pcs2pcs5pcs5pcs	DECRIPTION Adjustable Wrench, 150mm Angle Plate, 6" x 6" Angle Plate, 150mmx150mm Angle square, 150mm size Angular Milling Cutter, dia 100mm Ball End-mill dia, 6mm Ball End-mill, dia 10mm Ball peen hammer, 200g Center drill, #3
	1pc2pcs1pc4pcs1pc2pcs2pcs5pcs	DECRIPTION Adjustable Wrench, 150mm Angle Plate, 6" x 6" Angle Plate, 150mmx150mm Angle square, 150mm size Angular Milling Cutter, dia 100mm Ball End-mill dia, 6mm Ball End-mill, dia 10mm Ball peen hammer, 200g

(Board Resolution No. 2006-09)		Amendments
		TOOLS
x 0 (2)	QTY.	DECRIPTION
	1set	
	1301	Convex Radius Gauge, 1mm to 14mm
	2pcs	
	2pcs	Countersink, dia 25mm
	2005	Dial indicator on Magnetic Stand
	2pcs	Divider, 6"
	1pc	Dovetail Cutter, dia 25mm
	2pcs	Drill point sharpening gauge,
		oil stone
	1L can	Dye blue
	2pcs	End Mill, dia 10mm
	2pcs	End Mill, dia20mm
	1pc	Face Milling Cutter, dia 50mm
	1set	Fixed reamer, Dia 6mm to
		12mm
	5pcs	Flat chisel
	5pcs	Flat file, 8"
	6pcs	Gap Bench Vise, 150mm
	2pcs	Gap Machine Vise, 6'"
	1pc	Gap Machine vise, 150mm
	5pcs	Hacksaw, 1 ft long
	10pcs	Hacksaw blade, 1 ft long
	5pcs	Half-round file, 6"
	1pc	Half round file, 8"
	5sets	Hand tap, M12 x1.75
	5pcs	Hand tap wrench, medium size
	2pcs	Machine Tap, M12x1.75
	2pcs	Micrometer, 0 to 25mm
	2pcs	Micrometer, 25 to 50mm
	6pcs	Parallel bars, 10mm x30mm x100mm
	1pc	Plain Milling Cutter, dia 60mm
	1pc	Ply Cutter, dia 80mm
	2pcs	Protractor 200mm
	5pcs	Reamer, dia 10mm
	2pcs	Rubber Mallet, 200g
	5pcs	Scriber, 200mm long
	1pc	Side Milling Cutter, dia 100mm
	1pc	Slag Hammer
	2pcs	Slitting Cutter, dia 100mm
	2pcs	Spot facing tool, 25mm
	5pcs	Steel rule, 6"
	1pc	Steel tape, 3 m

(Board Resolution No. 2006-09)		Amendments
		TOOLS
	QTY.	DECRIPTION
	1 set	Stock and die, M4 to M14
	2sets	Stock and die, M12 x 1.75
	8pcs	Tee -Bolts and Nuts
	1pc	Tee-slot Cutter, dia 20mm
	1set	Thread pitch gauge, Metric
	1set	Thread pitch gauge, English
	5pcs	Triangular file, 6"
	1 set	Twist Drill, 1mm to 13mm
	5pcs	Twist drill dia 9.8mm
	5pcs	Vernier caliper, 150mm
	2pcs	Vernier Caliper 300mm
	2pcs	V-block, 50mm x 100mm
	Clamping	tools:
	4pcs	C-clamp
	4pcs	Parallel clamp
	2pcs	Toggle clamp
	QTY.	EQUIPMENT
		DECRIPTION
	1pc	Bench drill press machine and
		its accessories to include: drill
		chuck with key, tapered
	1pc	sleeve, and drift key
		Metal table, 500x 500 x 50 mm
	1pc	Pedestal grinder (medium
		size) and its accessories to
		include: grinding wheel
	1pc	dresser, open wrench
	1pc	Rotary Table
-		Universal Milling Machine
	1pc	Vertical Milling Machine
1+	3pcs	Working Table, 3ft x 6ft
	2pcs	Working table with drawer (1x1/2meter)
	2pcs	Working Chair
	Machine w	ith complete Accessories
	1 unit	Electric Welding Machine
	1 unit	Portable grinder with complete
		accessories, std
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xisting Promulgated Training Regulations (Board Resolution No. 2006-09)		Amendments
		MATERIALO
	QTY.	MATERIALS
	2pcs	DECRIPTION
	2pcs	Aluminum Silicate Grinding
	2 kg	Wheel, dia 8" x dia 1" x 1"
	1set	Brass welding rod dia 3mm
	5pcs	First aid kit
	5 kg	File card
		High carbon welding rod dia 3mm
	10 kg	Low carbon welding rod dia 3mm
	25pcs	MS Plate 102 x 102 x 10mm
	25pcs	MS Rod dia 12mm x 50mm
	2pcs	Oil can, small
	5pcs	Paint brush , 1"
	50 pcs	Rags
	25 sheet	
	2 kg	Stainless Steel welding rod dia
		3mm
	5pcs	Steel brush, standard size
	1 kg	Tungsten welding rod dia 3mm
	1L	Water container
	Personal	Protective Equipment
	25 pcs	Apron
	25 pcs	Dust mask
	25 pairs	Ear plugs
	25 pcs	Safety goggles
	25 pairs	Safety gloves
	25 pairs	Safety shoes
	25 pcs	Welder's helmet
	25 pcs	Welder's mask
	COC 3 – PE OPERATION	
	OTY	TOOLS
	QTY.	DECRIPTION
	1pc	Adjustable Wrench, 150mm
	2pcs	Aluminum Silicate Grinding
	1	wheel, dia 8" x dia 1" x 1"
	1pc	Angle Plate, 150mmx150mm
	4pcs	Angle square, 150mm size
		Angle wheel dresser and attachment
		Ball peen hammer, 200g
	opus	ball peen hammer, 200g

sting Promulgated Training Regulations (Board Resolution No. 2006-09)		Amendments
· 8	-	TOOLS
	QTY.	DECRIPTION
	5pcs	Center drill, #3
	5pcs	Center punch, 150mm long
	1pc	Combination square, 200mm size
	2pcs	Counter sink
×	2sets	Cylindrical grinding attachmen
	1pc	Diamond Wheel Dresser and holder
	2pcs	Divider, 6"
	2pcs	Drill point sharpening gauge, oil stone
	1L can	Dye blue
	1set	Fixed reamer, dia 6mm to 12mm
	5pcs	Flat chisel
	5pcs	Flat file, 8"
	6pcs	Gap Bench Vise, 150mm
	1pc	Gap Machine vise, 150mm
	2pcs	Gap Precision vise, 80mm x
		200mm x 80mm with 100mm
	5pcs	Hacksaw, 1 ft long
	10pcs	Hacksaw blade, 1 ft long
	5pcs	Half-round file, 6"
	1pc	Half round file, 8"
	5sets	Hand tap, M12 x1.75
	5pcs	Hand tap wrench, medium size
	2pcs	Magnetic Plate
	2pcs	Magnetic rine chuck
	4pcs	Magnetic V-block
	2pcs	Micrometer, 0-25mm
	2pcs	Micrometer, 0-25mm
	6pcs	Micrometer, 25-50mm Parallel bars, 10mm x30mm x100mm
	2pcs	Protractor, 200mm
	1set	Radius wheel dresser and
		attachment
	5pcs	Reamer, dia 10mm
	5pcs	Scriber, 200mm long
	1pc	Slag Hammer
	2pcs	Spot facing tool 25
	5pcs	Spot facing tool, 25mm Steel rule, 6"
	1pc	
	1 set	Steel tape, 3 m
		Stock and die, M4 to M14 Stock and die, M12 x 1.75

(Board Resolution No. 2006-09)		Amendments
		TOOLS
	QTY.	DECRIPTION
	2pcs	Thread pitch gauge
	5pcs	Triangular file 6"
	5pcs	Twist drill, dia 9.8mm
	5pcs	Verpier coliper, 150mm
	2pcs	Vernier caliper, 150mm V-block, 50mm x 100mm
	Clampin	tools:
	4pcs	C-clamp
•	4pcs	Parallel clamp
	2pcs	Toggle clamp
		roggie clamp
	OTV	EQUIPMENT
	QTY.	DECRIPTION
	1pc	Bench drill press machine and its accessories to include: drill
		chuck with key, tapered sleeve, and drift key
	1pc	Manual Surface Grinding Machine (500mm Bed length)
	1pc	with Dust extractor
		Metal table, 500x 500 x 50 mm
	1pc	Metal working table with 4 legs (1m x 1m x 1m height)
	1рс	Pedestal grinder (medium size) and its accessories to include: grinding wheel dresser, open wrench
	1pc	Semi-Automatic Surface Grinding Machine (500mm Bed length) with Dust extractor
	2pcs	Working Chair
	3pcs	Working Table, 3ft x 6ft
	Machine	with complete Accessories
	1 unit	Electric Molding Mashing
		Electric Welding Machine
	1 unit	Portable grinder with complete accessories, std

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(Board Resolution No. 2006-09)		Amendments
		MATERIALS
	QTY.	
	2 kg	DECRIPTION
		Brass welding rod dia 3mm
	5pcs	File card
	1set	First aid kit
	5 kg	High carbon welding rod dia 3mm
	10 kg	Low carbon welding rod dia 3mm
	25pcs	MS Plate, 102 x 102 x 10mm
	25pcs	MS Rod, dia 12mm x 50mm
	2pcs	Oil can, small
	5pcs	Paint brush, 1"
	50 pcs	Rags
	25 sheet	
		Sand paper
	2 kg	Stainless Steel welding rod dia 3mm
	5pcs	Steel brush, standard size
	1 kg	Tungsten welding rod dia 3mm
	1L	Water container
	Personal	Protective Equipment
	25 pcs	Apron
	25 pcs	Dust mask
	25 pairs	Ear plugs
	25 pairs	Safety gloves
	25 pcs	Safety goggles
	25 pairs	Safety shoes
	25 pcs	Welder's helmet
	25 pcs	Welder's mask
	COC 4 – PEI	RFORM SHAPING OPERATION
		TOOLS
	QTY.	DECRIPTION
	1pc	Adjustable Wrench, 150mm
	2pcs	Aluminum Silicate Grinding
		Wheel, dia 8" x dia 1" x 1"
	1pc	Angle Plate, 150mmx150mm
	4pcs	Angle square, 150mm size
	5pcs	Ball peen hammer, 200g
	1pcs	Ballpeen Hammer, 250 g
	5pcs	Center drill, #3
		Contel Unit. #3
	5pcs 1pc	Center punch,150mm long Combination square, 200mm

Existing Promulgated Training Regulations (Board Resolution No. 2006-09)		Amendments
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	OT	TOOLS
	QTY.	DECRIPTION
ay and a second	2pcs	Counter sink
	2pcs	Divider, 6"
	2pcs	Drill point sharpening gauge, oil stone
	1L can	Dye blue
	1set	Fixed reamer, da 6mm to 12mm
	5pcs	Flat chisel
	5pcs	Flat file, 8"
	6pcs	Gap Bench Vise, 150mm
	1 pc	Gap Machine Vise, 150mm
	5pcs	Hacksaw, 1 ft long
	10pcs	Hacksaw blade, 1 ft long
	5pcs	Half-round file, 6"
	1pc	Half round file, 8"
	5sets	Hand tap, M12 x1.75
	5pcs	Hand tap wrench, medium size
	25 pcs	HSS Blank tool bit, 3/8" x std length
	2pcs	Micrometer, 0-25mm
	2pcs	Micrometer, 25-50mm
	6pcs	Parallel bars, 10mm x30mm x100mm
	2 pcs	Parallel bars, 80mmx15mmx8mm
	2 pcs	Parallel bars,
	- poo	150mmx25mmx12mm
	2pcs	Protractor 200mm
·	5pcs	Reamer, dia 10mm
	1 pc	Rubber mallet, 250g
	5pcs	Scriber, 200mm long
	1pc	Slag Hammer
	2pcs	Spot facing tool, 25mm
	5pcs	Steel rule, 6"
	2 pcs	Steel rule, 300mm
	1pc	Steel tape, 3 m
	1 set	Stock and die, M4 to M14
	2sets	Stock and die, M12 x 1.75
	2pcs	Thread pitch gauge
	5pcs	Triangular file, 6"
	5pcs	Twist drill, dia 9.8mm
	2 pcs	Vernier caliper, 50mm
	5pcs	Vernier caliper, 50mm
	0000	vernier caliper, 150mm

isting Promulgated Training Regulations (Board Resolution No. 2006-09)		Amendments
		TOOLS
	QTY.	DECRIPTION
	2pcs	Vernier Caliper 300mm
	2pcs	V-block, 50mm x 100mm
	2 pcs	V-block, 50mmx50mmx75mm
	Clampin	a tools:
	4pcs	
	2 pcs	Gap C-clamp, 100mm
	4pcs	Gap toggle clamp, 100mm
		Parallel clamp, 150mm length
		EQUIPMENT
	QTY.	DECRIPTION
	1pc	Bench drill press machine and
		its accessories to include: drill
		chuck with key, tapered
		sleeve, and drift key
	1pc	Metal table, 500x 500 x 50 mm
	1pc	Pedestal grinder (medium
		size) and its accessories to
		include: grinding wheel
		dresser, open wrench
	1 unit	Shaper Machine with complete Accessories
	1pc	Working Chair
	3pcs	
	1pc	Working Table, 3ft x 6ft
	ipe	Working table with drawer (1x1/2meter)
	Machine	with complete Accessories
	1 unit	Electric Welding Machine
	1 unit	Portable grinder with second t
		Portable grinder with complete accessories, std
	0.71	MATERIALS
	QTY.	DECRIPTION
	2 kg	Brass welding rod dia 3mm
	5pcs	File card
	1set	First aid kit
	5 kg	High carbon welding rod dia 3mm
	10 kg	Low carbon welding rod dia 3mm
	25 pcs	MS Square Bar, 50mmx50mmx75mm
	25pcs	MS Plate 102 x 102 x 10mm

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	Amendments
	MATERIALS
OTY	DECRIPTION
	MS Rod dia 12mm x 50mm
the second se	Oil can, small
	Paint brush, 1"
and the second se	Paint brush, 50mm
	Rags
	Sand paper
2 kg	Stainless Steel welding rod dia
	3mm
	Steel brush, standard size
	Tungsten welding rod dia 3mm
6pairs	T-bolt and nut (to fit t-slot of
	Shaper)
	Water container
Personal F	Protective Equipment
25 pcs	Apron
25 pcs	Dust mask
25 pairs	Ear plugs
25 pairs	Safety gloves
25 pcs	Safety goggles
	Safety shoes
	Welder's helmet
the second se	Welder's mask
	25 pcs 25 pcs 25 pairs

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Existing Promulgated Training Regulations (Board Resolution No. 2006-09)				Amendments				
5 Training Fac	ilities							
The machining oncrete structure udents/trainees aching/learning llows:	e. Based of the space	n class siz	ze of 25 ents for the	The machi concrete struc students/traine the teaching/le as follows:	ture. Bases the spectrum	sed on cl pace req	ass size uiremer	e of 2
SPACE REQUIREMENT	SIZE IN METERS	AREA IN SQ. METERS	TOTAL AREA IN SQ. METERS 300	SPACE REQUIREMENT	SIZE IN METERS	AREA IN SQ. METERS	TOTAL AREA IN SQ. METER S	GRAN D TOTAL AREA IN SQ METER
(permanent)	30M		sq.m	A. Building				S
 Trainee 	2M X	4 sq.m/	100	(permanent)				253
working space	2M	trainee	sq.m	Student/ Trainee Working	2.00 x 1.00 per student/	2.00 per student	50.00	
 Lecture Room Learning 	8M X 10M 4M X	80 sq.m 32	80 sq.m 32	Space Learning Resource Center	trainee 3.00 x 5.00	15.00	15.00	
Resource Center	8M	sq.m	sq.m	 Activity Room Facilities 	10.00 x	7.50 per student	188.00	
 Facilities/ Equipment/ Circulation Area 			88 sq.m.	 Wash room & locker room 	8.00 4.00 x 4.00			
	a a			 Store room Dining/ mess room Lecture room 	5.00 x 5.00 3.00 x 4.00 5.00 x 10.00			
Trainer's Qual ACHINING NC I AINER QUALIF Must be a holde Must have under Must be compute Must be compute Must be physica Must have at lea experience Must be a civil se government posi professional licer Professional Reg	ICATION (r of Machir rgone train TM I) er literate lly and me ast 2 years ervice eligi ition or app nse issued	ning NC II ing on Tra ntally fit job/indus ble (for propriate by the	iining try	 MACHINING N Must be a ho II or higher le Must be phys Must have at job/industry e years 	ider of N evel sically fit least two) (2) veai	rs	_

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Existing Promulgated Training Regulations (Board Resolution No. 2006-09)	Amendments		
*Optional. Only when required by the hiring institution.			
Reference: TESDA Board Resolution No. 2004 03			
3.7 Institutional Assessment			
Institutional assessment is undertaken by trainees to determine their achievement of units of competency. A certificate of achievement is issued for each unit of competency.	Institutional assessment is undertaken by trainees to determine their achievement of units of competency. A certificate of achievement is issued for each unit of competency.		
Section 4. National Assessment and Certifica	tion Arrangements		
 4.1. To attain the National Qualification of Machining NC I, the candidate must demonstrate competence in all the units of competency listed in Section 1. Successful candidates shall be awarded a National Certificate signed by the TESDA Director General. 4.2. Individuals aspiring to be awarded the qualification of Machining NC I must acquire Certificates of Competency in all the core units of the Qualification. Candidates may apply for assessment in any accredited assessment center: 	Competency Assessment is the process of collecting evidence and making judgments whether competency has been achieved. The purpose of assessment is to confirm that an individual can perform to the standards expected at the workplace as expressed in relevant competency standards. The assessment process is based on evidence or information gathered to prove achievement of competencies. The process may be applied to a full qualification or employable unit(s) of competency in partial fulfillment of the requirements of the national qualification.		
4.3.	 4.1. NATIONAL ASSESSMENT AND CERTIFICATION ARRANGEMENTS 4.1.1. A National Certificate (NC) is issued when a candidate has demonstrated competence on all units of competency in a qualification with a promulgated Training Regulations. 4.1.2. A Certificate of Competency (CoC) is issued by the Authority to individuals who were assessed as competent in a single unit or cluster of related units of competency. 		

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	isting Promulgated Training Regulations (Board Resolution No. 2006-09)	Amendments
	4.2.1. Perform bench work (Basic)	COC1 Perform Turning
	4.2.2. Turn workpiece (Basic)	Operation
	4.2.3. Mill workpiece (Basic)	 Perform bench work
	4.2.4. Grind workpiece (Basic)	Turn workpiece
		Repair workpiece
	Successful candidates shall be awarded	i nepai workpiece
	Certificates of Competency (COC).	COC2 Perform Milling Operation
		 Perform bench work
		 Mill workpiece
		Repair workpiece
		COC3 Perform Surface Grinding
		Operation
		Perform bench work
		Grind workpiece
		Repair workpiece
		COC4 Perform Shaping
		Operation
		 Perform bench work
		 Shape workpiece
		Repair workpiece
	Accumulation and submission of all COCs acquired for the relevant units of competency comprising a qualification, an individual shall be issued the corresponding National Certificate. Assessment shall focus on the core units	4.1.3. Upon accumulation of the COCs acquired, an individual shall be issued the corresponding National Certificate for the Qualification.
4.0.	of competency. The basic and common units shall be integrated or assessed	4.1.4. Individuals wanting to be certified will have to be assessed in
	concurrently with the core units.	accordance with the
4.6. The following are qualified to apply for		requirements identified in the
	assessment and certification:	relevant unit/s of competency.
	4.5.1. Graduates of formal, non-formal and informal including enterprise-	4.1.5. The industry shall determine assessment and certification
	based training programs.	requirements for each
	4.5.2. Experienced workers (wage	qualification with promulgated
	employed or self-employed)	Training Regulations. It includes
1.7	The guidelines on assessment and	the following:
	certification are discussed in detail in the	a. Entry requirements for
	"Procedures Manual on Assessment and	candidates
	Certification" and "Guidelines on the	b. Evidence gathering methods
	Implementation of the Philippine TVET	c. Qualification requirements of
	Qualification and Certification System (PTOQS)".	competency assessors

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Existing Promulgated Training Regulations (Board Resolution No. 2006-09)	Amendments
	d. Specific assessment and certification arrangements as identified by industry
	4.1.6. Recognition of Prior Learning (RPL). Candidates who have gained competencies through informal training, previous work or life experiences may apply for recognition in a particular qualification through a recognition/ assessment process.
	4.2. COMPETENCY ASSESSMENT REQUISITE
	 4.2.1. Self-Assessment Guide. The self-assessment guide (SAG) is accomplished by the candidate prior to actual competency assessment. SAG is a pre-assessment tool to help the candidate and the assessor determine what evidence is available, where gaps exist, including readiness for assessment. This document can: a. Identify the candidate's skills and knowledge b. Highlight gaps in candidate's skills and knowledge c. Provide critical guidance to the assessor and candidate on the evidence that need to be presented d. Assist the candidate to identify key areas in which practice is needed or additional information or skills that should be gained prior

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Existing Promulgated Training Regulations (Board Resolution No. 2006-09)	Amendments
	 4.2.2. Accredited Assessment Center. Only Assessment Center accredited by TESDA is authorized to conduct competency assessment. Assessment centers undergo a quality assured procedure for accreditation before they are authorized by TESDA to manage the assessment for National Certification. 4.2.3. Accredited Competency Assessor. Only accredited competency assessor is authorized to conduct assessment of competence. Competency assessors undergo a quality assured system of accreditation procedure before they are authorized by TESDA to assess the competencies of candidates for National Certification.