



Republic of the Philippines
BULACAN STATE UNIVERSITY
City of Malolos

BIDS AND AWARDS COMMITTEE FOR GOODS, SUPPLIES, AND SERVICES

December 10, 2021

Bid Bulletin No. 1 Modification in the Technical Specifications

This Bid Bulletin no. 1 is issued to modify or amend items in the Bidding Documents for project **“Procurement of Multi-Axis Industrial Manufacturing Machine”** with reference no. **G-2022-02**. This shall form an integral part of the said Bidding Documents.

I. Technical Specifications

Please see attached “new form” for the Technical Specifications

This Supplemental/ Bid Bulletin no. 1 is issued this 10th day of December, 2021 for guidance and information of all concerned.


Dr. DOLLY P. MAROMA
Chairperson, BAC for Goods, Supplies & Services

Received by the Bidder:

Signature over printed name/ Company

Date and time: _____

Section VII. Technical Specifications

Item	Description	Qty./ unit	Statement of Compliance
1	Industrial CNC Machine: 3-axis with 4th & 5th Drive	1/lot	Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-
	Specifications:		
	Table Load Capacity	450 kgs	
	Table Size	(1460 to 1470) mm x (260 to 270) mm	
	T-slot Center Distance	100mm	
	Travels (X/Y & Z)	(1010 to 1020) mm x (400 to 410) mm x (400 to 410) mm	
	Number of STD T-Slots	3	
	Spindle Motor	At least 7.2 HP	
	Spindle rpm Range	Up to 6,000 rpm or higher	
	Spindle Taper	BT-40	
	Automatic Tool Changer (No. of Tools)	At least 10 Stations	
	Operating Voltage	220V,3P,60 Hz	
	Max Torque	45 Nm @ 1200 rpm	
	Drive System	Direct speed	
	Feed rates, rapids (X/Y/Z)	At least 10m/min	
	Axis motors. Thrust (X/Y/Z)	At least 2000 lb	
	Tool Diameter	Up to 85 mm or higher	
	Tool Weight	Up to 5 kg or higher	
	Tool to tool	Less than 6 seconds	
	Full load Amps	25A	
	Inclusion and Other Specifications:		
	• High Speed Tilting 2-axis Rotary Table		
	Platter Diameter	At least 150mm	
	Max Weight on Platter	65 kg or higher	
	Hole Pattern	6-bolt pattern	
	Part Swing max	260 mm or higher	
	Tilt max speed	100°/sec or higher	
	Tilt max torque	280Nm or higher	
	Tilt Backlash	30 arc-sec	
	Tilt Center Height	175mm	
	Tilt Gear Ratio	90:1	
	Tilt Timing	2:1	
	Tilt Brake Torque	At least 270Nm	
	Rotary Max Speed	100°/sec or higher	
	Rotary Max Torque	150Nm or higher	
	Rotary Runout Max	0.013mm	
	Rotary Backslash	30arc-sec	
	Rotary Center height	175mm	

	Rotary Gear Ratio	63:1		<p>referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found evidence</p>
	Rotary Timing	1.5:1		
	Rotary Torque	136Nm		
	Tilt Max Rotation/Step	± 120°		
	Index Tilt Resolution	0.001°		
	Index Tilt Accuracy	± 25 arc-sec		
	Index Tilt Repeatability	10 arc-sec		
	Index Rotary Rotation/step	Up to 999.999°		
	Index Rotary Resolution	0.001°		
	Index Rotary Accuracy	± 15 arc-sec		
	Index Rotary Repeatability	10 arc-sec		
	<ul style="list-style-type: none"> • User Definable Macros 			
	<ul style="list-style-type: none"> • Media Display M-code 			
	<ul style="list-style-type: none"> • 10 Station Automatic Tool Changer Features <ul style="list-style-type: none"> ○ Simple Navigation, Accessible Icons, Rotary Setup and Visual Programming System (VPS) 			
	<ul style="list-style-type: none"> • New Generation Conversational (USER friendly) control 			
	<ul style="list-style-type: none"> • Tooling package consist of: <ul style="list-style-type: none"> ○ 10pcs Pull Studs ○ 1 pc Touch point sensor ○ 1 pc BT 40 spindle taper cleaner ○ 2 pcs Drill chuck arbor BT40 x JT6 ○ 2 pcs Keyless drill chuck HSP-J6 13mm cap ○ 7pcs Quick change milling chuck BT40xOZ25 ○ 15pcs OZ25 collets (sizes: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20 & 25mm) ○ 1 pc Face mill arbor ○ 100 pcs Carbide Insert ○ 2 sets HSS End mills ○ 2 sets HSS Drill bits ○ 2 pails Coolant 			
	<ul style="list-style-type: none"> • Automatic Voltage Regulator 15KVA 			
	<ul style="list-style-type: none"> • Air Compressor, 5.5HP, 200li 			
	<ul style="list-style-type: none"> • 4 sets CAD/CAM Software 			
	At least includes the following software modules:			
	<ul style="list-style-type: none"> ○ Design 			
	<ul style="list-style-type: none"> ○ Engrave 			
	<ul style="list-style-type: none"> ○ Lathe 			
	<ul style="list-style-type: none"> ○ Mill 3D (includes Rotary 4-axis) 			
	<ul style="list-style-type: none"> ○ Rast2Vec 			
	<ul style="list-style-type: none"> ○ Router 3D 			
	<ul style="list-style-type: none"> ○ Solids 			
	<ul style="list-style-type: none"> ○ True Shape Nesting 			

	○ Wire EDM		presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution
	○ Mastercam for SOLIDWORKS or other Industrial 3D Modelling Software		
	○ Pro Drill		
	○ Data Translators: ASCII, CADL, DWG, DXF, EPS, IGES, Inventor (IPT, IDW, IAM), KeyCreator (CKD) Parasolids, Rhino 3DM, SolidWorks (SLDPRT, SLDASM, SLDDRW), SAT (ACIS Solids), Solid Edge (PAR & PSM), SpaceClaim (SCDOC), STEP, STL, VDA, PRO/E (read only)		
	○ Multi-axis CAD/CAM + maintenance		
	○ Dynamic motion		
	○ Post Processor for CNC Milling		
	• Other inclusions/requirement:		
	○ USB port		
	○ Side rack		
	○ Work Table		
	○ Work Light		
	○ RS232 Port		
	○ Metric Table		
	○ Rigid Tapping		
	○ Storage Shelf		
	○ Full Enclosure		
	○ Tool holder vise		
	○ Tool holder tray		
	○ LED Beacon Light		
	○ Front Work Table		
	○ Coolant Pump Kit, 76 liters		
	○ Remote Monitoring		
	○ Early Power Failure Detection Module		
	○ Memory Lock Key Switch		
	○ Brushless Servos on all axes		
	○ Color LCD monitor, 15" touch screen		
	○ Ethernet Interface		
	○ Machine Safe Run		
	○ Chip Conveyor, auger style		
	○ 4th & 5th axis drive and wiring		
	○ Machine Drop Wireless File Transfer, via Android or IOs		
	○ 64 GB Program Memory (Machine Memory)		
	○ Visual Programming System		
	○ Wi-Fi Connection for the Machine		
	○ Initial workpieces for training and testing		
	○ Wifi Camera, fully enclosed camera that mounts inside the machine allowing remote viewing		
	○ Convenience package includes work table, storage shelf, toolholder vise, side rack and toolholder tray		

	<ul style="list-style-type: none"> ○ Auto lube system, programmable grease system automatically lubricates ball screws and linear guides of the machine 		subject to the provisions of ITB Clause 3.1(a) (iii) and/or GCC Clause 2.1(a) (ii).
	Compliance:		
	Preferably with Brochure/Catalogue of the item being offered		
	Training of the item being offered for at least ten (10) participants		
	Preferably with Manufacturer's Authorization Form or Certificate as Authorized Distributor/Reseller or Certificate of Registration as Manufacturer/Fabricator		
	Warranty Certificate for One (1) year on parts and services		
	Contract Implementation: The supplier must advise the Supply Office of the delivery schedule at least three (3) calendar days before the actual delivery.		

Prepared by:

ENGR. AL JUSTIN GERONIMO
Technical Working Group (DIO)

ENGR. ARVIN JULIUS TULLAO
Technical Working Group (DIO)

ENGR. MARCUS MANAOG
Technical Working Group (DIO)

I undertake to comply and deliver all the above requirements are true and correct, otherwise, if found false either during evaluation or post-qualifications, he same shall give rise to automatic disqualification of our bid:

Company Name : _____
Address : _____

AUTHORIZED REPRESENTATIVE:

Signature : _____
Complete Name : _____
Date : _____