

# UNIVERSITY INSTITUTE OF ENGINEERING TECHNOLOGY

Panjab University, Chandigarh

(Ph. 0172- 2541242)

No. 21747/VIET...  
Dated. 08/02/2024.....

## NIQ for TOOLING FOR 5 AXIS CNC MILLING MACHINE

Kindly send your NIQ in sealed coversuper subscribed - **TOOLING FOR 5 AXIS CNC MILLING MACHINE UNDER FIST LEVEL-1 GRANT FOR MECHANICAL ENGINEERING DEPARTMENT, UIET** containing 2 separate envelopes under Two Bid System marked, with each marked clearly as technical bid and financial bid with respect to our Enquiry with the cover for the purchase of following items subject to the terms and conditions-

NIQ must be addressed to Coordinator, Mechanical Engineering Department, UIET, Sector-25, Panjab University, Chandigarh-160014 and the last date of submission in the office is: 07 March 2024, 5pm.

Tool List							
Sr. No	Description			Qty.			
1	40mm cutter and inserts and Holder			COMBI SHELL MILL ADAPTOR BT40 16 GPL 55mm (JIS6339)	1		
				D=40 Z=4 SHELL MILL Face Mill Cutter Dia 40mm With Compatable Insert . 8 Cutting Edge. 4 Pocket in Cutter connection Dia meter 16 mm			1.00
				p	M	S	INSERT WITH MEDIUM GEOMETRY FACE MILL SUITABLE FOR ABOVE CUTTER DIA 40mm. INSERT LENGTH 12.70mm INSERT THICKNESS 6.35mm MAX. DEPTH OF CUT 6mm SINGLE INSERT FOR Steel,Stainless Steel,Cast Iron,Super Alloy ,Titanium

					<p>INSERT WITH MEDIUM GEOMETRY FACE MILL SUITABLE FOR ABOVE CUTTER DIA 40mm.  INSERT LENGTH 12.70mm  INSERT THICKNESS 6.35mm  INSERT FOR MEDIUM TO ROUGH  APPLICABLE TO MACHINE  <b>ALUMINIUM</b>&lt;10% silicon and other <b>Non-ferrous materials</b></p>	10
					<p>ENDMILL ADAPTOR WELDON EM BT40 25 BT40 SIDE LOCK ID25mm (GPL90mm)(GPL45mm) (JIS6339)</p>	1.00
					<p>SQ. SHOULDER CUTTER D=25 Z=2 WELDON CUTTER 90° Dia 25 mm Cutter With 13mm INSERT. Overall Length 95mm. Shank Dia 25mm. Max Depth Of Cut 11mm Cutting Length 45mm. Number of inserts 2.</p>	1.00
					<p>SQ. SHOULDER INSERT WITH R0.8 &amp; WITH MEDIUM GEOMETRY <b>PVD</b> Coated carbide grade with an advanced <b>PVD TiAlN/TiN</b> coating. INSERT LENGTH 13mm INSERT THICKNESS 6.8mm Corner Radius=0.8 <b>SINGLE INSERT FOR Steel, Stainless Steel, Cast Iron, Super Alloy ,Titanium,</b></p>	10
2	25mm cutter and inserts	Steel	Stainless Steel	Super Alloy	<p>SQ. SHOULDER INSERT WITH R0.8 &amp; WITH MEDIUM GEOMETRY TO MACHINE ALUMINIUM &amp; NON-FERROUS MATERIAL. INSERT LENGTH 13mm INSERT THICKNESS 6.8mm Corner Radius=0.8 insert for medium to roughing applications in <b>aluminium</b>&lt;10% silicon and</p>	10

				other <b>Non-ferrous materials+E14:E15</b>		
3	16mm Endmill			SQ. SHOULDER CUTTER D=16 Z=2 WELDON CUTTER 90° Dia 16 mm Cutter With 09mm INSERT. Overall Length 90mm. Shank Dia 16mm. Max Depth Of Cut 7mm Cutting Length 25mm. Number of inserts 2.	1.00	
		p	M	S	SQ. SHOULDER INSERT WITH R0.8 & WITH MEDIUM GEOMETRY <b>PVD</b> Coated carbide grade with an advanced <b>PVD TiAlN/TiN</b> coating. INSERT LENGTH 09mm INSERT THICKNESS 4.5mm Corner Radius=0.8 <b>SINGLE INSERT FOR Steel, Stainless Steel, Cast Iron, Super Alloy ,Titanium,</b>	10
				N	SQ. SHOULDER INSERT WITH R0.8 & WITH MEDIUM GEOMETRY TO MACHINE ALUMINIUM & NON-FERROUS MATERIAL. INSERT LENGTH 09mm INSERT THICKNESS 4.5mm Corner Radius=0.8 insert for medium to roughing applications in <b>aluminium</b> <10% silicon and other <b>Non-ferrous materials+E14:E15</b>	10
4	High Precision Dia 8 mm Holder and Inserts for medical implants finishing			High Precision Tool for great Surface finishing Dia 8 mm and OAL 140 mm Cylindrical Carbide Shank Dia 8 mm	1	
				P, M, S	ISO Reference Insert WCR 08 comaptible with Dia 8 mm Holder Insert Length 9.7 mm ,Radius =4.0 mm Insert suitable for surface finishing	10

5	10mm BALL NOSE	P	M	S	S.C. BALLNOSE DIA.= 10mm FLUTE LENGTH= 25mm Overall Length= 76mm Shank Diameter= 10mm Number of Flute= 4 SUITABLE FOR MACHINING OF HARDENED STEEL, TITANIMUM & STAINLESS STEEL.	2.00
6	6mm BALL NOSE	P	M	S	S.C. BALLNOSE DIA.= 6mm FLUTE LENGTH= 20mm Overall Length= 60mm Shank Diameter= 6mm Number of Flute= 4 SUITABLE FOR MACHINING OF HARDENED STEEL, TITANIMUM & STAINLESS STEEL.	1
7	2mm BALL NOSE	P	M	S	S.C. BALLNOSE DIA.= 2mm FLUTE LENGTH= 10mm Overall Length= 50mm Shank Diameter= 4mm Number of Flute= 4 SUITABLE FOR MACHINING OF HARDENED STEEL, TITANIMUM & STAINLESS STEEL.	2
8	10mm ENDMILL	P	M	S	S.C. ENDMILL DIA.= 10mm FLUTE LENGTH= 25mm Overall Length= 75mm Shank Diameter= 10mm Number of Flute= 4 CR.= 0.5 SUITABLE FOR MACHINING OF HARDENED STEEL, TITANIMUM & STAINLESS STEEL.	2
9	6mm ENDMILL	P	M	S	S.C. ENDMILL DIA.= 6mm FLUTE LENGTH= 20mm Overall Length= 60mm Shank Diameter= 6mm Number of Flute= 4 CR.= 0.5 SUITABLE FOR MACHINING OF HARDENED STEEL,	2

					TITANIUM & STAINLESS STEEL.	
10	4mm ENDMILL	P	M	S	S.C. ENDMILL DIA.= 4mm FLUTE LENGTH= 15mm Overall Length= 60mm Shank Diameter= 4mm Number of Flute= 4 CR.= 0.5 SUITABLE FOR MACHINING OF HARDENED STEEL, TITANIUM & STAINLESS STEEL.	2
11	GO DRILL 2.6MM				SC DRILL 2.6mm CUTTING DIA.= 2.6mm, FLUTE LENGTH= 17mm, OAL= 58mm, SHANK DIA.= 4mm, SHANK LENGTH=28mm COATIG SUITABLE FOR MACHINING OF P, M, K, N & S	2
12	GO-DRILL 3.3mm				SC DRILL 3.3mm CUTTING DIA.= 3.3mm, FLUTE LENGTH= 20mm, OAL= 60mm, SHANK DIA.= 4mm, SHANK LENGTH=35mm COATIG SUITABLE FOR MACHINING OF P, M, K, N & S	2.00
13	GO-DRILL 5.0mm				SC DRILL 5.0mm CUTTING DIA.= 5.0mm, FLUTE LENGTH= 35mm, OAL= 70mm, SHANK DIA.= 5mm, SHANK LENGTH=35mm COATIG SUITABLE FOR MACHINING OF P, M, K, N & S	2.00
14	GO-DRILL 6.8mm				SC DRILL 6.8mm CUTTING DIA.= 6.8mm, FLUTE LENGTH= 40mm, OAL= 80mm, SHANK DIA.= 8mm, SHANK LENGTH=40mm COATIG SUITABLE FOR MACHINING OF P, M, K, N & S	2.00

15	GO-DRILL 8.5mm				SC DRILL 8.5mm CUTTING DIA.= 8.5mm, FLUTE LENGTH= 50mm, OAL= 90mm, SHANK DIA.= 10mm, SHANK LENGTH=40mm COATIG SUITABLE FOR MACHINING OF P, M, K, N & S	2.00
16	GO-DRILL 10.2mm				SC DRILL 10.2mm CUTTING DIA.= 10.2mm, FLUTE LENGTH= 55mm, OAL= 95mm, SHANK DIA.= 12mm, SHANK LENGTH=40mm COATIG SUITABLE FOR MACHINING OF P, M, K, N & S	2.00
17	TAP M3x0.5				M3X0.5 6HX HSS-E-PM Thread class 6HX Helix Angle 45° TAP SUITABLE FOR MACHINING OF P, M & S	2.00
18	TAP M4x0.7				M4X0.7 6HX HSS-E-PM Thread class 6HX Helix Angle 45° TAP SUITABLE FOR MACHINING OF P, M & S	2.00
19	TAP M6x1.0				M6X1.0 6HX HSS-E-PM Thread class 6HX Helix Angle 45° TAP SUITABLE FOR MACHINING OF P, M & S	2.00
20	TAP 8x1.25				M8X1.25 6HX HSS-E-PM Thread class 6HX Helix Angle 45° TAP SUITABLE FOR MACHINING OF P, M & S	2.00
21	TAP M10x1.5				M10X1.5 6HX HSS-E-PM Thread class 6HX Helix Angle 45° TAP SUITABLE FOR MACHINING OF P, M & S	2.00
22	TAP M12x1.75				M12X1.75 6HX HSS-E-PM Thread class 6HX Helix Angle 45° TAP SUITABLE FOR MACHINING OF P, M & S	2.00

	COLLET CHUCK ADAPTOR ER32				COLLET CHUCK BT40 ER32 GPL70mm	1.00
24	DMC ADAPTOR 6mm				BT40 DMC06 060 FOR HOLDING BALLNOSE, ENDMILLS & DRILLS	2.00
25	DMC ADAPTOR 8mm				BT40 DMC08 090 FOR HOLDING BALLNOSE, ENDMILLS & DRILLS	2.00
26	DMC ADAPTOR 8mm				BT40 DMC08 120 FOR HOLDING BALLNOSE, ENDMILLS & DRILLS	2.00
27	DMC COLLETS 6mm				COLLET DMC6 X 4	2.00
28	DMC COLLETS 6mm				COLLET DMC6 X 5	2.00
29	DMC COLLETS 6mm				COLLET DMC6 X 6	2.00
30	DMC COLLETS 8mm				COLLET DMC8 X 8	2.00
31	BT40 HYDROGRIP				BT40B HYDRAULIC CHUCK HP Ø20X72.5MM	3.00
32	HYDROGRIP COLLET 2.0mm				HYDRAULIC SLEEVE 20.0MM OD TO 2.0MM ID	1.00
33	HYDROGRIP COLLET 4.0mm				HYDRAULIC SLEEVE 20.0MM OD TO 4.0MM ID	1.00
34	HYDROGRIP COLLET 6.0mm				HYDRAULIC SLEEVE 20.0MM OD TO 6.0MM ID	1.00
35	HYDROGRIP COLLET 8.0mm				HYDRAULIC SLEEVE 20.0MM OD TO 8.0MM ID	1.00
36	HYDROGRIP COLLET 10.0mm				HYDRAULIC SLEEVE 20.0MM OD TO 10.0MM ID	1.00
37	HYDROGRIP COLLET 12.0mm				HYDRAULIC SLEEVE 20.0MM OD TO 12.0MM ID	1.00
38	HYDROGRIP COLLET 14.0mm				HYDRAULIC SLEEVE 20.0MM OD TO 14.0MM ID	1.00
39	HYDROGRIP COLLET 16.0mm				HYDRAULIC SLEEVE 20.0MM OD TO 16.0MM ID	1.00
40	BT40 TAPPING HOLDER WITH CLUTCH COLLET Quick Change Tap Adaptor With Clutch				BT 40 TAPPING CHUCK OD Dia 36mm ID Dia GPL 67.5 Tapping Range M3-M12	1.00
41	TAPPING COLLET				Quick Change Tap Adaptor With Clutch M3	1.00
42	TAPPING COLLET				Quick Change Tap Adaptor With Clutch M4	1.00
43	TAPPING COLLET				Quick Change Tap Adaptor With Clutch M6	1.00
44	TAPPING COLLET				Quick Change Tap Adaptor With Clutch M8	1.00
45	TAPPING COLLET				Quick Change Tap Adaptor With Clutch M10	1.00
46	TAPPING COLLET				Quick Change Tap Adaptor	1.00

					With Clutch M12	
47	Professional Chrome vanadium 94Pc 1/2" & 1/4" Socket Set & Screwdriver Bit Torx Ratchet Driver Case Tool Kit					
48	SEMI SYNTHETIC CUTTING OIL SUITABLE FOR P, M, K, N, S & H				Density at 29.5°C, g/ml 0.9550, pH (5% dilution) 9.5 ,pH (10% dilution) 9.6.	26Ltr
49	PRECISION SELF CENTERING 5AXIS VISE				WIDTH OF JAWS 80mm OPENING OF JAWS 100mm OVERALL LENGTH 150mm	1
50	3 JAW SELF CENTERING CHUCK FOR CIRCULAR JOB HOLDING				DIAMETER OF CHUCK 200mm NO. OF JAWS 3 MAXIMUM WEIGHT OF CHUCK 15.0KG	1
51	MIST COLLECTER				MIST & FUMES COLLECTER EQUIVALENT TO FILTERMIST	1
52	FIBER MALLET				FIBER MALLET	1
53	DEBURRING TOOL KIT					1
54	HEIGH GAUGE WITH STAND					1
55	MAGNETIC DIAL GAUGE & STAND				MAGNETIC PUPPY DIAL WITH LEAST COUNT OF 10 MICRONS	1
56	STORAGE ALMIRAH				ALMIRAH SUITABLE FOR KEEPING ABOVE MENTIONED TOOLS	1
57	Demonstration and Training of these tools on workpieces (SS 316L, Medical Grade titatium, Aluminium 6061, to be arranged by vendor) for 5 days					



58	There should be a minimum of 1(one) order in a government/PSU setup for any of the items mentioned. Documentary proofs of purchase orders / delivery reports / Reference Letters regarding the same and we may probe the authenticity of the submitted documents.				
59	Service support be available in Northern part of India. Provide documentary proof for the same must be supplied				
60	Tender Specific Authorization				

### **Terms and Conditions**

1. Quotation:
  - i. The contract shall be a single total price for the full quantity as described above.
  - ii. All duties and other levies payable by the supplier under the contract shall be included in the unit price.
  - iii. GST as applicable shall be quoted separately for all items.
  - iv. EMD as 2% of the quoted price to be enclosed in favor of Registrar, PU, Chandigarh. For any applicable exemptions, PU accounts manual on pu.ac.in may be referred.
  - v. The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
  - vi. The Prices must be quoted in Indian National Rupees only.
2. Each bidder shall submit only one quotation.
3. Quotation shall remain valid for a period not less than 55 days after the last date of quotation submission.
4. Evaluation of Quotations, The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which
  - i. are properly signed; and
  - ii. confirm to the terms and conditions, and specifications

5. Award of contract:

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

- i. Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- ii. The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order

6. Payment shall be made in Indian Rupees as follows:

- Delivery and Installation - 90% of total cost
- Satisfactory Acceptance - 10% of total cost

7. You are requested to provide your offer latest by

8. Training Clause (if any): **as per tender document**

9. Testing/Installation Clause (if any): **as per tender document**

10. Information brochures/ Product catalogue, must be accompanied with the quotation clearly indicating/highlighting the model/part quoted for.

11. Sealed quotation to be submitted/ delivered at the address mentioned below,  
Coordinator, Mechanical Engineering Department, UIET, Sector-25, Panjab  
University, Chandigarh-160014

12. The quoting party shall provide the following bank details along with the quotation:

- i. Bank Name
- ii. Bank Account Number
- iii. Name of Branch & Address
- iv. IFSC Code

13. We look forward to receiving your quotation and thank you for your interest in this project.

