



Government College of Engineering

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GECA/MECH/MQC/QTN/2019-20/ 556

Date – 27/11/2019

To,
GECA Notice Board/
Institute Web site

Subject:- Quotation for Purchase of Instruments for MQC Lab of Mechanical Engineering Department 2019-20

Dear Sir,

You are requested to send your competitive quotations for following items subject to the following conditions.

CONDITIONS:

1. Rates quoted should be FOR AURANGABAD or free delivery at the Institute inclusive of all lead and Lift.
2. Detailed specifications of the articles you intend to supply should be given. If not according to the specification, laid down here under.
3. The material/work should be supplied/completed within (07) days from the date of order. List of material is given below.
4. The earliest deliver period should be quoted if you cannot supply within the period mentioned above.
5. Quotation should be in sealed cover and superscripted as “**Quotations for Instrument for MQC Lab Under Mechanical Department**”. Due on : 09-12-2019, at 4 P.M.
6. Quotation should be valid for six months.
7. Quotation not complying with the above conditions and incomplete once will not be considered.
8. Right to reject any or all quotations rates are with the under signed.
9. Rates quoted must be inclusive of All applicable Taxes and duties
10. Please attach copy of your shop registration certificate (or GST Registration Number) and Account number of the firm is compulsory as payment will be made by cheque on the firm name only, along with your quotation, without which your quotation will not be accepted.
11. Attach Broacher of the Product you are willing to supply along with the quotation
12. The material will be accepted subject to approval (after inspection of the material), if rejected it will be returned to you at your cost.
13. Final order shall be given after PDI by Competent Authority.
14. The quoted price must include installation, testing, demonstration of the instrument at the institute.
15. No advance shall be paid and no part payment shall be made.

Sr. No.	Description	QTY	
1	Surface Roughness Tester	1	
	Type of detector		Standard drive unit type
	Model No.		SJ-210 (4mN type)
	Order No. inch/mm		178-561-02A
	Measuring range		X axis
		14200 μin (-7900μin~+6300μin) / 360μm (-200μm ~ +160μm)	

	Z axis Range Detector Range/Resolution	14170 μ m / .8 μ m (360 μ m / 0.02 μ m), 4000 μ m / .2 μ m (100 μ m / 0.006 μ m), 1000 μ m / .08 μ m (25 μ m / 0.002 μ m)		
Measuring speed		Measuring: 0.01, 0.02, 0.03 in/s (0.25mm/s, 0.5mm/s, 0.75mm/s) Returning: 1mm/s		
Measuring force / Stylus tip		0.75mN type: 0.75mN / 2 μ mR 60°, 4mN type: 4mN / 5 μ mR 90°		
Skid force		Less than 400mN		
Applicable standards		JIS '82 / JIS '94 / JIS '01 / ISO '97 / ANSI / VDA		
Assessed profiles		Primary profile / Roughness profile / DF profile / Roughness profile-Motif		
Evaluation parameters		Ra, Rc, Ry, Rz, Rq, Rt, Rmax, Rp, Rv, R3z, Rsk, Rku, R _{Pc} , R _{sm} , R _{max} , Rz _{lmax} , S, HSC, RzJIS, R _{ppi} , R Δ a, R Δ q, R _{lr} , R _{mr} , R _{mr} (c), R δ c, Rk, R _{pk} , R _{vk} , Mr1, Mr2, A1, A2, Vo, R _{pm} , t _p , H _{tp} , R, Rx, AR, Possible Customize		
Analysis graphs		Bearing area curve / Amplitude distribution curve		
Filters		Gaussian, 2CR75, PC75		
Cut off length	λ c	0.003, 0.01, 0.03, 0.1" (0.08 , 0.25 , 0.8 , 2.5mm)		
	λ s	100, 300 μ m (2.5 , 8 μ m) or none		
Sampling length		0.003, 0.01, 0.03, .1 " (0.08 , 0.25 , 0.8 , 2.5mm)		
Number of Sampling lengths (×n)		<table border="0"> <tr> <td>×1, ×2, ×3, ×4, ×5, ×6, ×7, ×8, ×9, ×10, Arbitrary 0.01~.63" (.0001"interval) [(0.3~16.0mm: 0.01mm interval)]</td> <td>×1, ×2, ×3, ×4, ×5, ×6, ×7, ×8, ×9, ×10, Arbitrary .0118 ~ .22"(0.0001" Interval) [(0.3 ~ 5.6mm: 0.01mm Interval)]</td> </tr> </table>	×1, ×2, ×3, ×4, ×5, ×6, ×7, ×8, ×9, ×10, Arbitrary 0.01~.63" (.0001"interval) [(0.3~16.0mm: 0.01mm interval)]	×1, ×2, ×3, ×4, ×5, ×6, ×7, ×8, ×9, ×10, Arbitrary .0118 ~ .22"(0.0001" Interval) [(0.3 ~ 5.6mm: 0.01mm Interval)]
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LCD dimensions		1.45 x 1.93" (36.7×48.9 mm)		
Display languages		Japanese, English, German, French, Italian, Spanish, Portuguese, Korean, Traditional Chinese, Simplified Chinese, Czech, Polish, Hungarian, Turkish, Swedish, Dutch		
Calculation result display		Vertical display: 1 parameter / 3 parameter / trace to measurements Horizontal display: 1 parameter / 4 parameter / trace to measurements (Horizontal display is invertable)		
Printing function *1 (Dedicated printer is required separately.)		Measurement conditions / Calculation results / Calculation results for each sampling length / Assessed profile / Bearing area curve / Amplitude distribution curve / Environment setting information		

External I /O		USB I/F, Digimatic Output, Printer Output, RS-232C I/F, Foot SW I/F
Functions	Customization	Desired parameters can be selected for calculation and display
	GO / NG judgment *2	By max value / 16% / Standard deviation

With suitable cover and packing. Instructions related to maintenance and care. Calibration certificate
 With standard accessories. User Manual. Cover for protecting from dust. (Mitutoya Make or its equivalent)

Yours faithfully,



Principal,
 Govt. College of Engineering
 Aurangabad