

Specification No.:QC-TKS/13/003

Indent no : 20135072

Sr.No	Description	Required	Offered
1.0	<b>Application:</b>		
	The Portable Surface Roughness tester is intended to be used in shop floor for checking of surface finish of blades, governing parts, Rotor etc. of turbines.		Vendor to comply in this column
2.0	<b>Specific application :</b>		
	Curved surface of minimum diameter=10mm, with skid or skidless.	Suitable tester to meet clause 2.0	
	Stylus for long length Deep groove measurement upto 30mm depth		
	Surface finish of job = Ra 0.2 micron or more		
3.0	<b>General requirements</b>		
	Testing shall be as per ISO 4287 or any international standard.	Suitable tester to meet clause 3.0	
	Evaluation shall be on parameter Ra, Rz, Ry at least.		
	Evaluation length up to approx. 15mm.		
	Suitable attachment for cylindrical job, holes and suitable adaptor for height gauge mounting..		
	Display should be on LCD or others for good visibility.		
	Portable, handy and light weight.		
	Rechargeable long life batteries		
	Suited in working temperature of at least 05-50 deg. C		
	Extension rod shall be provided.		
	Specimen of Rz=2.5, Ra=0.4 approximately.		
4.0	<b>Accessories:</b>		
	Necessary Cables, test supporting fixtures, guiding devices, calibration test specimen, Carrying case should be provided.	Suitable tester to meet clause 4.0	
	Battery charger		
5.0	<b>General Conditions:</b>		
	Vendors to comply that quotation covers all the items (i.e software, cables, Connectors, Adapters, etc.) even it is not specified in item list. The price quotation at 4.0 must be on single piece basis.		
	Vendors to comply that they shall commission the instruments at our works. During commissioning Party should also demonstrate interfacing of instrument & details of software. The party will provide service in future if any problem arises during operation.		
	The party will provide operation, service and trouble shooting manuals containing detailed circuit diagram.		
	The party will quote necessary spare parts / accessories items for minimum 05 years of satisfactory operation of Equipment even if not included at clause 4.0		
	The party shall provide calibration certificate of instruments and explain the calibration procedures of instrument during commissioning. The party should quote for a contract of calibration in future( for reference only).		
	The party can demonstrate the instrument at our works if required.		
	Guarantee/Warranty period of instrument should not be less than 18 months counted from date of dispatch or 12 months counted from the date of commissioning whichever is later.		
6.0	<b>Optional Spares:</b>		
	Specimen of Rz=2.5, Ra=0.4		
	Cables for data transfer to computer.		
	Attachment for Cylindrical surface; attachment of height gauge mounting, deep groove long length stylus, extension rod, detector for small holes & deep groove, standard detector.		

*Saha*  
(T. K. Saha  
DGM, QC-T)

*Kamal Sengal*  
(KAMAL SEN GAL)  
Sr. Engg, QC-T