

Specification No.:QC-T/RKS/14/003

Indent no : 20141031

Sr.No	Description;- PORTABLE VIDEOSCOPE	Required	Offered
1.0	Application: The Portable Video scope is intended to be used in shop floor for checking the threading holes of lock blades of all rotors during blading.		Vendor to comply in this column
2.0	Specific application :		
	TYPE ----- portable/Hand held and flexible	Suitable Portable Videos cope to meet clause 2.0,3.0&4	
	INSERTION TUBE DIA ----- 6MM		
	FLEXIBLE LENGTH OF INSERTION TUBE ---- 1.5 METER		
	TUBE FLAXIBILITY ----- YES		
	WEIGHT (with battery) ----- MAX. 2kg		
	ARTICULATION ANGLE ---- -min 90 deg.		
	ARTICULATION TYPE -----4 WAYS (360 DEGREE)		
	ARTICULATION MECHANICS ----- Required		
	DEPTH OF FIELD -----Min. 10mm- infinity		
	DIRECTION OF VIEW ----- 0 DEG.		
	FIELD OF VIEW -----MIN. 80 DEG.		
	LCD MONITOR -----Min. 5 in		
	ILLUMINATION ----- in built ultra high intensity LED		
	POWER SUPPLY		
	i)BATTERY ----- RECHARGABLE BATTERY(MIN 3 HR.) WITH BATTERY CHARGER		
	ii)AC POWER ----- 100V-240 V WITH A C ADOPTOR		
	USB CONNECTOR ----- USB Version 2.0		
	ENVIROMENT RESISTANCE ----- IP 55		
	SOFT WARE		
	i) IMAGE MANIPULATIONS ----- Min. 3 X digital zoom		
	ii) DISPLAY TEXT OPTION -----Character title display		
	RECORDING FUNCTION		
	CAPACITY OF MEMORY -----Min. 4 GB		
	STILL IMAGE RECORDING		
	----- SD/SDHC		
	i) Resolution -----Min. 640X480(PIXELS)		
	ii) Format -----Compatible for window 7/ vista, JPEG,PNG& BMP		
	MOVING		
	i) Resolution -----Min.640X480(PIXELS)		
	ii) Format -----Compatible for window 7/ vista, avi,wmv,mp4,mpeg		
	RECORDING TIME -----1 HR.		
	distance measurement ----- Measuring facility		

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2.0	<p>OPERATING ENVIROMENT</p> <p>i) Temperature(PROBE) ----- 0 TO 100 deg. IN AIR</p> <p>ii)relative Humidity ----- 95%</p> <p>iii)liquid resistance ----- Opera table in exposed to machine oil, light oil</p> <p>iv) Water proofing ----- yes</p>		
3.0	General requirements		
	<p>A –Equipment should have facility for image inversion</p> <p>B- Light source should be LED with 5000 hrs life and have illumination control facility</p> <p>C- Equipment should be capable enough to run on rechargeable battery as well as mains supply.</p> <p>D- FIRM SHOULD HAVE FACILITY IN INDIA FOR SUPPORT , SPARES AND MAINTENANCE PURPOSE OF THE SYSTEM AT LEAST FOR 10 YRS AFTER GUARANTY/WARRANTY PERIOD.</p> <p>E- Vendor should provide standby equipment during breakdown throughout guarantee / warranty period. If the equipment needs any repair and is taken out of the plant, the same shall be done by vendor after providing a standby equipment or equipment cost as bank guarantee.</p> <p>Accessories:</p>		
4.0	Necessary Cables, test supporting fixtures, 1.5 M guiding devices, Carrying case should be provided.		
	General Conditions:		
	A. Spare availability/support for the entire products and accessories to be provided by the supplier.		
	B. Spare items shall be quoted on single piece basis.		
	C. Vendors to confirm that they shall commission the instruments at our works. During commissioning. Vendor should also demonstrate interfacing of instrument and provide on job training at BHEL, HWR on application software and operating of device .		
	D. The party should provide detailed operation, service and troubleshooting manuals.		
	E. Guarantee /Warranty period of instrument should not be less than 24 months counted from date of commissioning.at our works.		
	F. Vendor should provide all the maintenance documents, wiring diagram, installation soft wares, Parameter and program backup on DVD after final acceptance. If hard disk is used for storing program and parameters, a spare hard disk fully loaded with finally modified parameters and soft wares to be provided. Communication cables to be used to load program and parameters from USB port of laptop is to be provided.		

Optional : Vendor should separately quote AMC rates for 5 years .

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