

THE GEM & JEWELLERY EXPORT PROMOTION COUNCIL  
3<sup>rd</sup> FLOOR, RAJASTHAN CHAMBER BHAWAN  
M.I. ROAD, JAIPUR 302003

**Tender No. TIES/2018-19/01: ANNEXURE 3**

**SECTION A: TECHNICAL SPECIFICATIONS FOR SCREENING MACHINE FOR LOOSE DIAMONDS**

Key features: Fully-automated, superfast, bench top system, low referral rate and 99% accuracy screener for colourless to near colourless diamonds. Following are the desired minimum specifications.

Feature / Item	Specification	Compliance (Yes / No)	Quoted item with part no. (If any). Please mark the item in submitted brochure.	Deviation (if any) with consequences on analyses / results
<b>A. Sample Introduction system and key features</b>	A.1. Automated feeding and dispensing			
	A.2. Should be able to screen natural, synthetic (CVD & HPHT) and simulants			
	A.3. Screening speed – Minimum 3000 pieces/hour			
	A.4. Processing round brilliant cut diamond from 0.05 carat to 0.20 carat size			
	A.5. Equipment working based on UV luminescence / photoluminescence / Raman / Infra red spectroscopy			
<b>B. Computer system and software</b>	B.1. A fully embedded or desktop high-end computer system with all required accessories Windows 7/10 Professional (64-bit) 64 GB DDR3 2133 MHz RAM 8 TB hard drive for data storage LCD/LED monitor (touch screen optional) Keyboard Optical scroll mouse Soundbar			

	B.2. Software should allow easy and quick separation of mixtures of natural, synthetics (CVD and HPHT types) and simulants (preference will be given to the instrument offering such facility)			
<b>C. Calibration Standards</b>	C.1. Calibration standards (if any) required to optimize the scanning system shall be supplied with a certificate			
<b>D. References</b>	D.1. Vendor has to give at least 3 references in India where the quoted screening system is working satisfactorily			
	D.2. At least 2 references world-wide with similar application in gemmological laboratory			
<b>E. Training Schedule</b>	E.1. Minimum 1 day on-site immediately on completion of the installation			
	E.2. Additional remote assistance as and when required			
<b>F. Warranty</b>	F.1. 3 years comprehensive warranty to be offered inclusive of all required instrument parts, accessories, software updates and consumables (if any)			
	F.2. The warranty will be applicable on all items (without any exception) supplied by the vendor.			
	F.3. A list of all consumables, spares, or accessories, with no exception, required during 3 years comprehensive warranty to be furnished.			
	F.4. A detailed scope of 3-years comprehensive warranty to be furnished with the bid.			
	F.5. The required spares may be supplied with the system, except the items which have specific shelf-life. Such items should be supplied and installed as per the requirement during the course of 3-years warranty.			

<b>G. AMC / CMC</b>	G.1. On completion of 5 years of comprehensive warranty, AMC and CMC charges to be quoted separately for next five years (to be payable every year)			
	G.2. Detailed scope of AMC and CMC to be furnished with the bid			
	G.3. Cost of upgrade option after completion of 5 years to be provided (which includes buy-back of the installed model)			

**Note:**

1. Technical evaluation will be based on:
  - a. Submitted compliance statement along with the supporting document for each parameter.
  - b. Demonstration of the quoted make / model (or the immediate earlier generation model)
2. Attach supporting documents such as brochures, declaration, etc with the claimed specifications. The quoted items must be marked with consecutive item nos. as per the technical-cum-compliance statement.
3. The Gem & Jewellery Export Promotion Council reserves the right to relax any of the above mentioned specifications in overall evaluation, without giving any reason whatsoever.