

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NIQ No. 2011-12/CSE/IRD/03

NIQ for 3D Laser Scanner

Due Date 18.07.12

We need a portable 3D laser scanner, that can work outdoors. The required specifications are as follows:

- * Depth Resolution: 0.5 mm at 20 cm or better
- * Line to line resolution: 1mm or better
- * Accuracy: 0.75 mm or better
- * Scanning rate: at least 50 lines/second
- * Should support USB interface
- * Access to raw scans
- * Access to data in memory through a library API
- * Export of scanned models to standard formats like .obj, .ply, stl etc.
- * Optional:
 - a) Extended Scanning Range up to 2m
 - b) Stylus for precise point location measurement
 - c) Ability to scan through glass

Eligibility Criteria for Bidders

- (i) The bidder may be asked to provide verification and demonstration of all features and specifications
- (ii) The bidder must be a reputed OEM or his authorized system integrator. For that a letter of authorization from OEM specific to the tender should be enclosed.
- (iii) Complete bill of material to be attached with Technical Bid.
- (iv) Technical Compliance chart should be strictly attached with Bid.

Terms and conditions:

1. Sealed quotations with technical and financial bids in separate envelopes must reach the office of HOD, Deptt. of CSE, IIT Delhi positively by 18th July, 2012 by 5.00 PM
2. Warranty should be mentioned clearly.
3. For Foreign Currency bids, Bid should be made on FOB Basis. Payment terms should be clearly mentioned in the bid.
4. For INR bids, Payment will be processed after successful installation as per IIT Norms.
5. Quotations not sent in separate covers for technical and commercial bids are bound to be rejected.
6. IIT Delhi Reserves the right to accept or reject any quotations without assigning any reasons thereof.

(Prof. Prem Kalra)