

Department of Geography
Trivenidevi Bhalotia College, Raniganj

Quotation No. GEO-1/2017

Date: 30/11/2017

Sealed quotations are invited from different Companies for supply and installation of the following item with three days training from the same company for the Department of Geography, Trivenidevi Bhalotia College, Raniganj.

Item:

1. **Total Station** (Technical Specification of Total Station has been attached bellow)

Quotations are to be sent to:

The Principal
Trivenidevi Bhalotia College
Raniganj, Paschim Bardhaman

Last date of submission of quotation: 07/ 12 /2017

Date of opening: 08 /12/2017

Sd /-
(Principal)
Trivenidevi Bhalotia College
Raniganj

Technical Specification of Total Station

Angle Measurement:

Standard Deviation for both Hz & V angle	5 Sec
Display Resolution (Least Count)	1 Sec or better

Distance measurement with Prism

Distance measuring range under average weather condition with Single circular prism	3 kms or better
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Distance Measurement Accuracy

With Prism better	1.5 mm + 2 ppm or better
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Reflectorless Range

500 mts

Distance Measurement Accuracy

Without Prism better	3 mm + 2ppm or better
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Keyboard and Display

Alpha numeric Keyboard with high resolution display, 160 x 280 pixels

Laser plummet - Instrument should have laser plummet built into the upper part (alidade part) for quick setting of instrument on a station point

Mechanical Drives

Horizontal and vertical drives endless

Data Storage

The instrument must have internal memory of at least 20,000 points or more.

Compensator: Quadruple Axis
compensator

On and Off selectable with, $\pm 4'$
Setting Range

Plummet:

The instrument should come with built- in Laser Plummet for convenience of setting up Instrument.

Type Laser Plummet

Centering Accuracy (for instrument height 1.5 m) 1.5 mm

Application Programmer

In- Built survey programs: Tie Distance (MLM); Remote Height; Hidden Point; Backsight Check, Offset, Reference Line, Survey, Stake Out; Station Setup including: Resection, Local Resection, Helmert Resection, Orientation (Angles & Coordinates), Height Transfer; Area (Plan & Surface); DTM Volume calculation; Offset; Reference Line.

All Accessories to be supplied by OEM should be original with supporting security label & logo.

If it's found that the accessories are not original at the time of supply, the order will be cancelled and EMD forfeited.

Tribach

Tribrach for laser plummet 1 No for each set

Tripod

Wooden Telescopic Tripod 1 No for each set

Power Supply

Li ion rechargeable internal battery 2 No for each set

Charger for batteries

Charger 1 No. for each set

Downloading

Data Downloading cable & software 1 No for each set

Reflector Set

Prism with holder and target plate 2 No of each set

Prism pole telescopic with circular bubble, cm and ft
Graduation, extended up to at least 2.15 mts 2 No for each set

The bidder must have OEM certified Service Center at West Bengal for calibration and after sales service. Supporting documents of the same should be submitted. Training must be provided at our premises free of cost for 2 days.