



**GOVERNMENT OF WEST BENGAL
IRRIGATION & WATERWAYS DIRECTORATE
OFFICE OF THE SUB DIVISIONAL OFFICER
GANGA ANTI EROSION SUB-DIVISION NO. I
GREEN PARK, P.O.- MOKDUMPUR
DIST- MALDA, PIN- 732103**

NOTICE INVITING EXPRESSION OF INTEREST (EOI-01/SDO/GAESD-I)
(For Budgetary purpose)

Expression of interest for obtaining budgetary quotes at competitive current market prices is being invited by Sub Divisional Officer, Ganga Anti Erosion Sub Division No. I, Green Park; from reliable reputed resourceful agencies in connection with determination of estimated cost for **“Supplying of Total Station, required high accuracy for the field measurement related to surveying works, under Malda Irrigation Division.”**

Issue of EoI documents:-

The EoI documents can be downloaded from the departmental website www.wbiwd.gov.in as well as can be seen from the office of the Sub Divisional Officer, Ganga Anti Erosion Sub Division No. I, Green Park, P.O.- Mokdumpur, Dist- Malda, Pin- 732103 during office hours on all working days up to **17.12.2018**.

Submission of EOI:-

The intending agencies should submit their most competitive budgetary quotes as per current market price in the prescribed BOQ format annexed to the notice in a sealed envelope superscribing on the top **“ EoI for Supplying of Total Station, required high accuracy for the field measurement related to surveying works, under Malda Irrigation Division.”** in the tender box to be available at the following offices:-

1. Office of the Sub Divisional Officer, Ganga Anti Erosion Sub Division No. I, Green Park, P.O.- Mokdumpur, Dist- Malda, Pin- 732103
2. Office of the Executive Engineer, Malda Irrigation Division , Green Park, P.O.- Mokdumpur, Dist- Malda, Pin- 732103

The intending agencies should submit their EOI as per list of items enclosed herewith. Rates and amounts should be filled up properly.

The quoted rates should be inclusive of all taxes and duties all complete. Necessary drawings are enclosed for ready reference.

Agencies (or their authorized representatives) participating in the EOI may remain present during opening of the sealed covers quoting EOI)

Selection of appropriate EOI entirely rests upon the competent authority. The authority reserves the right to accept or reject any or all EOI's without assigning any reason thereof.

As the notice inviting EOI is made for estimation purpose, no work order will be issued and no expenditure and/or payment whatsoever would be borne by I &W Department for submission of EOI.

Pre-qualification/ Credential:

The intending agencies will have to submit self-attested copies of completion certificates in support of his experience of executing work related to Total Station in any State Government / Central Government during last 5 (Five) years along with the EOI (only completed works are to be considered).

Schedules of Dates for EOI:

- (1) Publishing Date: **29.11.2018**
- (2) EOI submission date: **17.12.2018** upto 3 pm
- (3) EOI opening date: **17.12.2018** after 4 pm.



**Sub Divisional Officer
Ganga Anti Erosion Sub Division No. I
Green Park, Malda**

Memo No:- 500

Date:- 29.11.2018

Copy submitted for favour of kind information and circulation to:-

- (1) The Chief Engineer (North), I&W Directorate, Green Park, P.O.- Mokdumpur, Dist- Malda, Pin- 732103
- (2) The Superintending Engineer, North Irrigation Circle-I, Green Park, P.O.- Mokdumpur, Dist- Malda, Pin- 732103
- (3) The Executive Engineer, Malda Irrigation Division, Green Park, P.O.- Mokdumpur, Dist- Malda, Pin- 732103
- (4)
- (5) Office Notice Board



**Sub Divisional Officer
Ganga Anti Erosion Sub Division No. I
Green Park, Malda**

Schedule of work “Supplying of Total Station, required high accuracy for the field measurement related to surveying works, under Malda Irrigation Division.”

(Intending bidder to quote rate and amount item wise as per the format given below)

Sl No	Description of Item	Qty	Unit	Rate (to be quoted both in numerical and words)	Amount (to be quoted both in numerical and words)
	<u>D) ANGLE MEASUREMENT</u>				
(a)	Least Count	0.1"			
(b)	Angle Accuracy as per DIN 18723	5"			
	<u>II) TELESCOPE</u>				
(a)	Telescope Magnification	30X			
(b)	Field view	1°30'(2.7 m at 100m)			
(c)	Minimum Focussing Distance	1.8m or better			
	<u>DISTANCE MEASUREMENT WITH PRISM</u>				
(a)	Using Long Range EDM	5000 m with single prism			
(b)	Accuracy	1 mm + 1.5ppm			
(c)	Least Count	0.1 mm			
	<u>WITHOUT PRISM</u>				
(a)	Range	Upto 500 mtr to standard Kodak gray White 90%			
(b)	Reflector Less Accuracy	2mm + 2ppm upto 500 meters			
	<u>III) ANGLE MEASUREMENT</u>				
(a)	Method	Absolute Encoders			
	<u>MEASURING TIME</u>				
(a)	Fine Mode	1.5 Sec			
	<u>IV) MEMORY</u>				
(a)	Internal Memory	Internal Memory of 700 mb or better			
(b)	External Memory	Onboard Slot for pen drive and SD Cards of 8GB or more			
V)	<u>PROGRAMMES INBUILT</u>	Graphical Intuitive Application Programs			
	System should run onboard	Set Station and Orientation in different methods			
	Win CE 6.0 or equivalent sw and processor speed of minimum 533 Mhz	Stake out			
		Area and volume measurement			
		Remote Height			
		Ties Distance			
		Reference Line			
		COGO			
		Job Management			
		Capable of attaching dxf and shape files in back ground			
	Capable of switching the layers as ON/OFF for dxf files				
	Zoom in and Out, Pan, Window Zoom facility				
	<u>VI) COMPENSATOR</u>				
(a)	Dual Axis	Quadruple Axis or better			
(b)	Compensating Range	± 4'			
	<u>VII) TEMPERATURE</u>				
(a)	<u>Operating</u>	-20 °C to + 50°C			
(b)	<u>Storage</u>	-40 °C to + 70°C			
		Graphical display on screen			

<u>X) ELECTRONIC LEVEL BUBBLE</u>		
<u>XI) PLUMMET</u>		
(a)	<u>Laser Plummet</u>	Inbuilt Laser Plummet from the Instrument with option for using Optical plummet in Tribrach
<u>XII) DRIVES</u>		
(a)	Horizontal & Vertical Drives	Should have Endless movements with friction clutch lock
<u>XIII) DISPLAY</u>		
<u>Resolution</u>		Should have Full VGA or better resolution
<u>Illumination</u>		Capability to illuminate keyboard and display for day and night operation
<u>XIV) DATA OUTPUTS</u>		Should be capable of outputting the data In all standard formats including DXF and other customized formats directly from the total station.
<u>XV) SURVEY DATA</u>		Graphical Display of the surveyed points, Lines & Areas with Codes & Symbols
<u>XVI) KEY BOARD</u>		
<u>Type</u>		Identical Alphanumeric hard keyboard on both sides for traverse applications.
<u>Illumination</u>		Key Pad could be illuminated
<u>XVII) COORDINATE SYSTEM</u>		Should be Capable of Choosing Ellipsoid, Projection and other parameters, and also for triangulating other Lat, Long once the coordinate system is applied. Should be capable of determining coordinate system for given number of Geodetic Points.
<u>XVIII) GPS COMPATABILITY</u>		The Total station should have on line compatability with GPS. And should be able to log the GPS static data directly into the TPS and the connectors for this interface should be present on total station.
<u>XIX) UPLOAD OPTIONS</u>		DXF, CSV, ASCII, DBX, XML etc.
<u>XX) POWER OPTIONS</u>		
(a)	Battery	Lithium Ion Batteries
(b)	Operation Time	Should be minimum of 6 - 8 hours
(c)	Charging Time	Less than 1 hour
<u>XXI) WEIGHT</u>		Should not be more than 5.5 Kg approx.


29.11.2018

Sub Divisional Officer
Ganga Anti Erosion Sub Division No. I
Green Park, Malda