



GOVERNMENT OF INDIA CENTRAL WATER COMMISSION

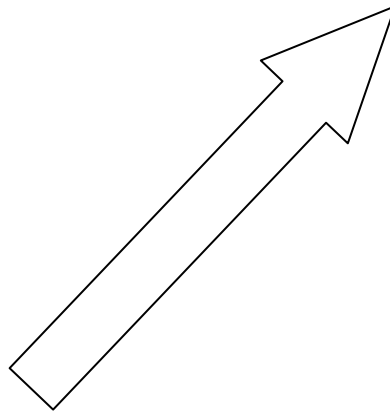
Tender Document for Supply of Survey Instruments

Tender Number CD/JEQ/B-6/2011

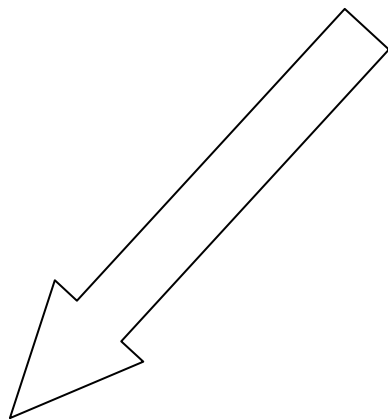


Executive Engineer
Chenab Division,
29-30, Suraj Nagar, Talab Tillo,
Jammu
September, 2011

<i>This document is to be signed and stamped and submitted back in original to the Purchaser.</i>	
Tender Sr. No.	
Issued To	
Dated	
Signature and Stamp of EE office	
This Tender Document contains 23 pages	



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PWD-6
Government of India
Central Water Commission
Chenab Division, Jammu

NOTICE INVITING TENDERS (NIT)

Sealed Tenders are hereby invited by the undersigned on behalf of the President of India from the bonafide eligible reputed firms for the supply of items as per list enclosed, at the Office of Executive Engineer, Chenab Division, CWC, Talab Tillo, Jammu, J&K on or before 26/09/2011 upto 1530 hrs. The Tender shall be opened on the same day at 1600 hours. Interested Tenderers may participate in the bid opening at 1600 hours.

- a. Name of Work : Supply of Survey Instruments.
- b. Estimated Cost : Rs.17.00 lakhs (Rupees seventeen lakhs only).
- c. Earnest Money deposit : Rs. 34000/- by demand Draft/FDR/DACR of a Scheduled Bank drawn in favour of Executive Engineer, Chenab Division, Jammu.
- d. Performance Guarantee : 5% of the tendered & accepted value shall be deposited as Performance guarantee by successful tender.
- e. Cost of Tender Document : Rs 500/-(Rupees Five Hundred only) Non Refundable & Non-Transferable by Cash or by Demand Draft only in favour of Executive Engineer, Chenab Division, Jammu.
- f. Period of Sale of Tender : The Tender document can be purchased from the Office of the Executive Engineer, Chenab Division, Jammu on all working days from 12-09-2011 to 21-09-2011 between 1030 hrs and 1630 hrs.
- g. Last date of receipt of Tender Document : Dated 26-09-2011 upto 1530 hrs.
- h. Date of opening of Tender Document : Dated 26-09-2011 at 1600 hrs, at the office of the Executive Engineer, Chenab Division, Jammu.
- i. Time for Completion of Supply : 30 days from the date of Issue of Letter of Award of Supply

The competent authority reserves the right to accept/reject any tender or annual the tendering process either in part or full without assigning any reason thereof. The NIT is also available on the website www.cwc.nic.in for view.

Sd/-
Executive Engineer, Chenab Division, CWC
29-30, Suraj Nagar, Talab Tillo, Jammu
Tele Fax : 0191-2554223, 2502664
Email: exenjammu@gmail.com

Copy to:

1. Director SMD for publishing on the CWC Web Site.
2. Director, M&AD, CWC, Janipur Jammu.
3. With separate press notice as per the press notice guidelines of the CPWD Manual to DAVP agent for publishing in the Times of India, Hindustan Times, Excelsior (Jammu) & Kashmir Times (J&K).
4. Account Branch.
5. Notice Board.

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Correction-Nil

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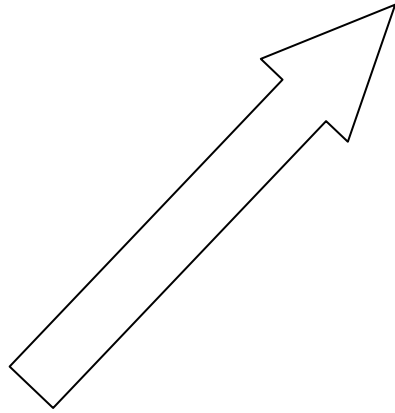
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Omission-Nil

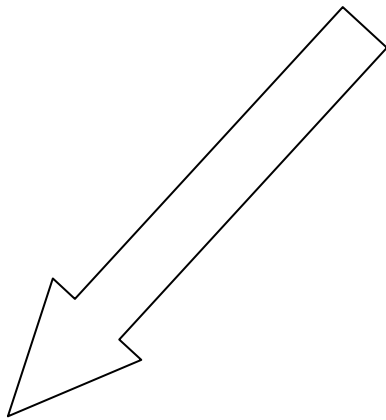
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Deletion-Nil

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PWD-8
Government of India
Central Water Commission
Chenab Division, Jammu

TENDER APPLICATION

I/We have read and examined the notice inviting tender, all the terms and conditions, Schedules & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the supply of Survey Instruments.

I/We hereby tender for the Supply of Survey Instruments specified for the President of India within the time specified and in accordance with all respects with the specifications and instructions in writing referred to in this tender document. I/We agree to keep the tender open for one hundred and eighty (180) days from the due date of submission thereof and not to make any modifications in its terms and conditions.

A sum of **Rs.34000/-** (Rupees thirty-four thousand only) is hereby forwarded in Demand Draft of a Scheduled Bank as earnest money. If I/We fail to complete the supply specified I/We agree that the said Executive Engineer or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely otherwise the said earnest money shall be retained by him towards security deposit for this supply referred to in the tender documents upon the terms and conditions contained or referred to therein.

I/We hereby declare that I/We shall treat the tender documents and other records connected with the supply as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

I/We agree that if I/we fail to furnish the prescribed Performance Guarantee within prescribed period the said Executive Engineer, Chenab Division, or his successor in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely.

I/We further agree that if I/We fail to complete the supply specified in the above memorandum within the time specified, an amount equal to the amount of the earnest money and performance guarantee mentioned in the form of invitation of tender shall be absolutely forfeited to the president of India and in case of non-delivery of the ordered materials in time or/and for any other bad delivery performance or/and failure to render contracted service during the warranty period (summarily non compliance of due performance of contract by the supplier to whom order has been awarded), the Performance Security Deposit will be forfeited.

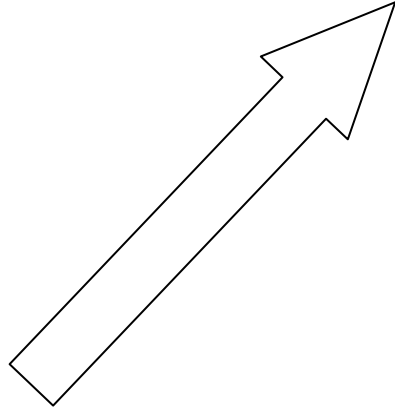
Further I/we agree that in case of forfeiture of EMD and PG as aforesaid, I/we shall be debarred for participation in the re-tendering process of the supply.

I/We hereby certify that none of my relative(s) is/are employed in the Central Water Commission.

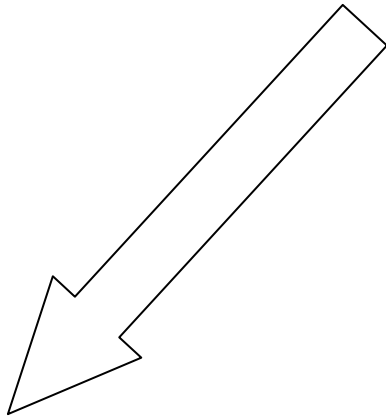
Dated _____

Signature of Contractor

Postal Address of the Contractor:



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General Terms and Conditions of tender for the supply of “Survey Instruments”

1. Blank tender document can be purchased in person by depositing the cost for tender as mentioned above (non- refundable) with EE, Chenab Division, Jammu between 1100 Hrs to 1630 Hrs on all working days from 12/09/2011 to 21/09/2011.
2. While applying for the tender documents, Permanent Account Number and Service Tax Number should be quoted in the application along with the proof of having carried out the supply of Survey instruments in the previous three years and copies of latest IT Returns filed (proof of tax paid), TDS certificates issued to the firms in previous three years.
3. The Tender accompanied with Earnest Money must be submitted not later than 1530 Hrs on 26/09/2011 into specified tender box placed in the office of EE, Chenab Division, Jammu. Tenders received thereafter will not be accepted.

The tender shall be placed in a sealed envelop, marked on it “Tender for the Supply of Survey Instruments”. The tender received after due date will not be accepted and will be returned unopened to the supplier. No request shall be entertained on account of postal delays.

The Tenders will be opened on the same day at 1600 Hrs in the presence of the tenderers or their authorized representatives, if any.

Blank tender document can also be downloaded from our website www.cwc.nic.in. in this case; the bids should be accompanied with the documents:

- a) The cost of blank tender document in the form of draft of 500/- in the name of EE, Chenab Division, payable at state bank of India, Jammu.
- b) Application having quoted rates by downloading from website along with the proof of supply experience, PAN, latest income tax return also.

THE E. E, CHENAB DIVISION, RESERVES THE RIGHT TO REJECT ANY OR ALL TENDERS OR ALLOT PART OF THE SUPPLY TO DIFFERENT AGENCIES WITHOUT ASSIGNING ANY REASON THEREOF.

4. Telegraphic Tender/Tender through FAX will not be considered.
5. Every tenderer must go through the terms and conditions carefully and understand them before submitting his tender. No excuse that the conditions have not been read or understood will be entertained later.
6. Tenderers participating in the tender should have at least 3 years standing in the supply of Survey Equipments. Similar equipments should have been supplied to a government department or Institution. List of such supply in the last three years along-with performance certificate from such purchasers on the satisfactory maintenance of the equipment supplied / commissioned /maintained should be enclosed to the application for purchase of tender document.
7. **Warranty & Maintenance**
Minimum two year warranty and maintenance on all surveying equipments, firm and software. The warranty to cover parts and labour and to include both firmware and software upgrades during this period.

Tender must indicate where maintenance and servicing is to be carried out.

Postage, transport and handling charges for equipment and software, covered by the maintenance, to be paid by the supplier. Technical support must be available throughout the

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Correction-Nil

Insertion-Nil

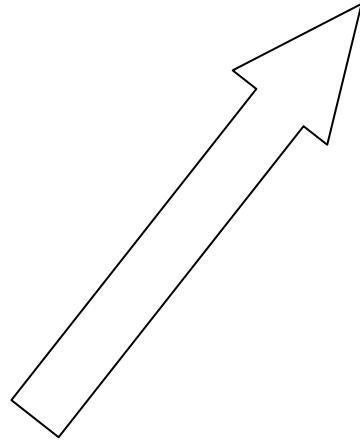
Omission-Nil

Deletion-Nil

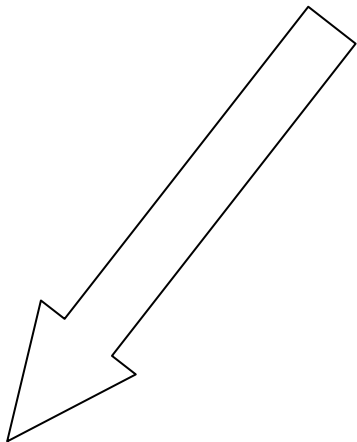
- service life of the equipment. Tenderers should indicate how technical support will be provided. Any extended warranty feature may also be made available.
8. While quoting the rates for the instruments for which specifications are enclosed clear indications may be given or a comparative statement may be given comparing the specifications required and specification quoted and the limitation / advantages of the variation in the specification. Alternate specification along with specification desirable may be given. If required rates for different specifications can be quoted separately as the specification indicated are minimum desirable specifications
 9. The schedule of instruments attached gives only estimated requirements of this office. Notwithstanding the estimate or probable quantity or number, the Executive Engineer, Chenab Division, Central water Commission, Jammu has the right to order any quantity or any number of the articles mentioned in the schedule from time to time or not to order any quantity or any number of any such articles at all.
 10. Instruments/ Equipments to be supplied should be branded and their technical specification must be enclosed with the tender. The brochures/leaflets of products shall also be enclosed with the tender. Specification of all expendable/consumable items may be given.
 11. Any attempt on the part of the tenderer or their agent to influence the department will disqualify such tender.
 12. a) Each tender must be accompanied by an Earnest Money Deposit of Rs.34000/- otherwise, the tender will be rejected without notice. The amount must be paid by demand draft/banker's cheque/FDR payable to the Executive Engineer, Chenab Division, Central water Commission, Jammu. Non enclosure of EMD or defective EMD with the tender will result in rejection of the tender without further scrutiny.

b) The earnest money will be returned to the unsuccessful tenderers but retained in the case of successful tenderer for a period of six month
 13. No interest will be allowed on E.M.D.
 14. The tenderer is at liberty to quote for one or more or all the items. The rates of these items will be considered separately and individually.
 15. **The rates are to be quoted FOR destination inclusive of packing, forwarding, freight, insurance, excise, custom duty or any other taxes or charges as applicable if any at the office of the Executive Engineer, Chenab Division, CWC, 29-30, Street No- 6, Talab Tillo, JAMMU (J&K).**
 16. The rate should be quoted both in figure and in words. Special care should be taken to write the rate in figure as well as in words in such a way that interpolation is not possible.
 17. No separate insurance charges are payable. The supply should be made at the supplier's own risk for damages and breakages occurring in transit, the articles thereof should be replaced. VAT at the rate admissible may be levied.
 18. Rates quoted should be valid for acceptance for a period of 180 days from the date of opening of the tender and once accepted should be firm and unaltered during the contract period/ supply period. No escalation shall be paid for the price quoted.
 19. Rates quoted should include all the accessories & supporting hardware and software of the instruments.

20. No tenderer shall be allowed at any time and on any ground whatsoever, any claim for revision or modification of the rate quoted by him during the currency of the contract period. Clerical error, typographical error etc., committed by the tenderer in the tender form shall not ordinarily be considered after the opening of the tender.
21. **The rates quoted shall include all taxes, duties, customs, Octroi, FOR charges etc. In case the instruments are being imported all the financial implications shall be borne by the contractor and only administrative support may be extended by the Government of India. All exemption for use in GOI office has to be clearly stipulated.**
22. Conditional tender will not be considered under any circumstance and the tender containing any conditions shall be summarily rejected without any further correspondence.
23. Tender not stipulating period of delivery and tender with price variation clause/subject to prior sale conditions shall be rejected.
24. Every correction in the tender should invariably be authenticated by the tenderer, failing which the tender will be rejected. Tender submitted should be duly authenticated (signed by the tenderer) on each page of tender.
25. The instruments shall be installed and commissioned by the trained engineers of supplier-firm, free of cost.
26. Test Certificate, Calibration of the Instrument of the manufacturer should be furnished along with the supply.
27. Training of personnel for 20 man days shall be arranged at the place(s) where such instruments functions, at the expense of the supplier.
28. Selection of tenders would very much depend upon the efficacy/quality of the Products offered. Sample/Demonstration if required should be produced/arranged before the Executive Engineer, Chenab Division, Central Water Commission, Jammu at the expense of the tenderer/contractor.



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Terms and Conditions for contractor

1. In this deed of contract, unless the context otherwise requires:

EE shall mean the Executive Engineer, Chenab Division, CWC, Jammu and shall include his successors.

The contractor shall mean the tenderer whose tender shall be accepted by Executive Engineer, Chenab Division, CWC, Jammu and shall include such tenderers' heirs, legal representatives, successors and assignees.

1.1 The contractor shall be deemed to have carefully examined all the papers, schedules, etc. attached to the NIT. If he has any doubt as to the meaning of any portion of any condition/specification, etc. he shall before signing the contract submit the particulars thereof to Executive Engineer, CHENAB DIVISION, CWC, Jammu in order that such doubts are removed.

1.2. The Supply shall be completed within stipulated time/period as mentioned in the supply order. If the contractor fails to make the supply within stipulated time, Executive Engineer, Chenab Division, CWC, Jammu may recover it from the contractor in manner mentioned in subsequent clauses of this section.

1.3 In case of withdrawals or amends or impairs or derogates or non-compliance of Tender Condition of the offer in any respect within the validity period of the tender or refusal of Furnishing PERFORMANCE GUARANTEE in the event of getting intimation of awarding the Purchase Order or If the contractor fails to make the supply within stipulated time, the Earnest Money Deposit will be forfeited.

1.4 All items should be supplied strictly in accordance with the approved specifications. The articles supplied by the contractor which in the opinion of the Executive Engineer, Chenab Division, is found faulty or unfit for use shall be rejected. The opinion of Executive Engineer, Chenab Division thereon in all respects will be final and conclusive and altogether operative and binding on the contractor and shall not be open or subject to question or dispute by the contractor on any ground whatsoever. If the equipments are not satisfactory and do not meet the specification offered by the firm the same will have to be removed from the institution immediately after receipt of intimation at the firm's own expenses.

1.5. If the equipment supplied by the contractor has been partially or wholly used in the offices and subsequently found to be inferior in quality or description or are not in accordance with the specification or otherwise faulty or unfit for or unwholesome, then the contract price or prices of the equipment will be recovered from the contractor, if payment had already been made to him. Otherwise contractor will not be entitled to any payment whatsoever.

1.6. The contractor should be prepared to accept orders subject to the penalty clause for forfeiture of security deposit in the event of default or failure to supply within the stipulated period.

2. TERMS OF PAYMENTS:

2.1 The payment will be made on receipt of said items at site in good condition and inspection of the equipments by the Executive Engineer, Chenab Division subject to fulfillment of all other terms and conditions of agreement to be entered into subsequently.

2.2 The firm (supplier) shall submit bill (in triplicate) along with an advance stamped receipt immediately after execution of the supply order in full for arranging payment.

2.3 VAT will be deducted @ as applicable as per Govt. rules.

2.4 The payment shall be made as follows:

- a) 85% of the payment of the contract value at the time of delivery of all the instruments at the site in good condition.
- b) 10% of the payment of the contract value shall be made after successful testing & commissioning of instruments.
- c) Rest 5% will be kept as retention money and will paid after one year.
- d) Security Deposit shall be released after the expiry of the warranty period.

3. PERFORMANCE GUARANTEE

(I) The contractor shall submit PERFORMANCE GUARANTEE of 5% (Five percent) of the tendered amount in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement, (notwithstanding and/or without prejudice to any other provisions in the contract) within ten days of the date of issue of acceptance of tender. This guarantee shall be in the form of:

(a) An irrevocable Bank Guarantee in the form provided on the last page.

(b) Fixed Deposit Receipt from a scheduled Commercial Bank

(c) DACR/Banker's cheque/ Demand Draft/ pay order of a scheduled bank (in case PG amount is less than 1, 00,000)

In case a fixed deposit receipt of Bank is furnished by the contractor to the Government as part of the performance guarantee and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the Government to make good the deficit.

(II) A letter of acceptance of tender shall be issued in the first instance informing the successful tendered of the decision of the competent authority to accept his tender and the purchase order shall be issued only after the Performance Guarantee in any of the prescribed form is received. In case of failure by the contractor to furnish the performance guarantee within the specified period, Government shall without prejudice to only other right or remedy available in law be at liberty to forfeit the earnest money absolutely.

(III) The Performance Guarantee shall be valid up to the date of completion of supply plus the warranty period of the delivered stores. In case the time for completion of supply gets extended, the contractor shall get the validity of Performance Guarantee extended to cover such extended time as well as the warranty period of the delivered stores. The Performance Guarantee will be returned to the Supplier after satisfactory completion of the delivery as well as the warranty period of the delivered stores as per terms and condition of the contract

No interest is payable on the Performance Guarantee amount.

(IV) The Executive Engineer, Chenab Division shall not make a claim under the performance guarantee except for amounts to which the President of India is entitled under the contract (notwithstanding and / or without prejudice to only other provisions in the contract agreement) in the event of:-

(a) Failure by the contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Executive Engineer, Chenab Division may claim the full amount of the Performance Guarantee.

(b) Failure by the contractor to pay President of India any amount due, either as agreed by the contractor or determined under any of the Clauses / Conditions of the Agreement, within 30 days of the service of notice to this effect by Executive Engineer, Chenab Division, CWC, Jammu.

(V) In the event of the contract being determined or rescinded provisions of any of the clause / condition of the agreement, the Performance Guarantee shall stand forfeited in full and shall be absolutely at the disposal of the President of India.

4. The successful tenderer shall be required to sign the contract agreement in the given

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Page 12

Correction-Nil

Insertion-Nil

Omission-Nil

Deletion-Nil

Performa with the Executive Engineer, Chenab Division, CWC, Jammu within 3 days from the date of issue of purchase order.

5. ESCALATION:

No escalation is applicable in this contract.

6. TERMINATION OF CONTRACT:

6.1 Executive Engineer, Chenab Division, Jammu reserves the right to cancel the contract at any moment without assigning any reason thereof, in which event the Executive Engineer, Chenab Division, shall forfeit the Security Deposit.

6.2 Executive Engineer, Chenab Division, CWC, Jammu reserves the right of deciding any matter arising during the tenure of the contract, but not covered specifically by the conditions mentioned in the tender and that decision of the corporation in this regard shall be final and binding on the contractor.

7. ARBITRATION (Clause 59 of G.C.C)

7.1 The Sub-Section V "Arbitration and laws etc." of the General Conditions of the contract for works as stated below shall be applicable to this contract / agreement also:

Except where otherwise provided for in the contract, all questions and disputes relating to the meaning of the specifications, designs, drawing and instructions herein before contained in this contract or as to the quality of the workmanship or materials used on the supply or arising out of the terms & conditions of the contract whether during the progress of the supply or after the completion or abandonment thereof, at to the sole arbitration of the person nominated and appointed by the Chief Engineer, IBO, CWC, Chandigarh in respect of the contracts entered for and on behalf of the President of India. The parties of the contract agree there it will be no objection to any such appointment that the sole arbitrator so appointed is originally referred being transferred or having vacated his office or being unable to act for any reason whatsoever, Chief Engineer, IBO, CWC, Chandigarh as aforesaid at the time of such transfer, vacation of office or inability to act, shall appoint another person to act as arbitrator in accordance with the terms of the contract. Such person as and when appointed shall proceed with the reference from the stage at which it was left by his predecessor in accordance with the rules, regulation and the law of the land, It is also a term of this contract that no person other than a person appointed by the Chief Engineer, IBO, CWC, Chandigarh, as aforesaid should act as Arbitrator and if any reason that is not possible, the matter is not to be referred to arbitration at all.

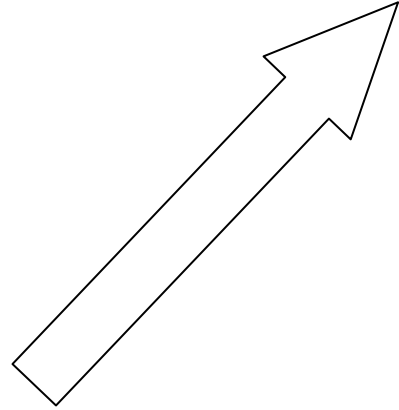
It is also the term of the contract that the party invoking the arbitration clause shall specify the dispute(s) to be referred to the arbitration under this contract together with amount(s) claimed in respect of each such dispute(s) or difference(s). In an arbitration invoked at the instance of either party to the contract, the Arbitrator would be free to consider the counterclaims of the other party or even though they are not mentioned in the reference to arbitration. Subject as aforesaid, the provisions of the Arbitration and conciliation Act 1996 (No 26 of 1996) or any statutory modification or re-enactment thereof and rules made there-under and for the time being in force shall apply to the arbitration proceeding under this clause.

8. SUB CONTRACTS

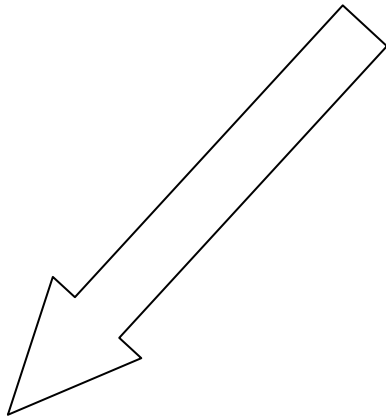
Sub letting the contracts in whole or parts is not Permissible.

9. WARRANTY AND AFTER SALES SERVICE

The costs shall include after sales service and warrant period be clearly indicated.



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SCHEDULE OF RATES FOR SUPPLY OF SURVEY INSTRUMENTS

S. No.	Description of Instruments	Brand Name	Qty /No.	Amount in Rupees	Warranty Period
1	TOTAL STATION		1		
2	GPS		1		
3	HAND HELD GPS		1		
	TOTAL				

Total in words (Rupees.....)

Period of Delivery

The prices quoted shall include all costs of imports if any, packaging and transporting to CWC, Jammu office including insurance if any.

The spares if any essentially required should be indicated separately along with the costs.

SIGNATURE OF TENDERER

OFFICE SEAL

MINIMUM DESIRABLE SPECIFICATIONS OF THE SURVEY INSTRUMENTS

I	TOTAL STATION		
S No.	Features	Specifications	
1	Angle Measurement	Both Horizontal and vertical. 2" accuracy: Min Reading. 1"/5".	
2	Distance Measurement	Range:2000m(min). Accuracy/ Measurement time: 2mm+2ppm/0.15s-2.4s	
3	Accessories	Aluminum Tripod ,Triple Ranging Pole ,staff with respective cases, Battery, charger, Tool kit with case, Instruction manual.	
4	General Data	Magnification of Telescope	25-30X
		Effective Aperture	40-45 mm
		Field of view	1° 30'
		Focusing Range Display	1.3 m to infinity
		Display	Graphics, LCD ,color, illumination, may or may not be touch screen.
		Keyboard	Should contain letter keys, functional keys and alphanumeric keys, illumination should be there.
		Angle Display	360° "" , 360° decimal
		Distance Display	Meter ,ft, inch
		Internal Memory	At least 64 MB expandable to 2 GB
		Interfaces	Bluetooth ,Data cable
		Plate Sensitivity	Plate level:30"/2 mm Circular level 10'/2 mm
		Optical Plummet	Image: effect Magnification :3X Focusing range:0.5 to infinity Field of view:3° and above
		Battery	Rechargeable battery with operating time of 4.8 hrs
Working Temp Range	- 20° to + 50° C		
5	Software	On board software functions should be able to do data collection, Resection, Area calculation, height measurement, road length calculation etc. automatic saving mode.	
	HAND HELD GPS		
1	No. of waypoint icons	Min. 500 with name & Graphic Symbol	
2	Built in Memory	24MB-115MB	
3	Routes	Up to 50 Reversible Routes with up to 250 points each	
4	Tracks	Automatic track recorder that saves at least 20 tracks.	

5	Data base and Base Map	Country wide city database or highway database.
6	Map datum's	More than 100 plus user datum
7	Position Format	Lat/Lon, UTM/UPS, Maidenhead, MGRS, Loran TDs and other grids, including user grid
8	Receiver	High sensitivity GPS receiver; WAAS-enabled; continuously tracks and updates the position.
9	Acquisition times	Warm<1sec, cold<sec, update rate 1 sec continuous.
10	GPS Accuracy	<5mts
11	Antenna	Built in quad helix receiving antennas with external antenna connection.
12	Built in electronic compass features	Accuracy:± 2 degrees with proper calibration; Resolution: 1 degree
13	Barometric Altimeter feature	10 feet with proper calibrations. Resolution: 1 feet. Range:-2000 to 30000 feet
14	Elevation data	Current elevation ,reset able minimum and maximum elevation, ascent/descent arte, Total ascent/ descent, average and maximum ascent/ descent rate
15	Pressure	Local pressure(mbar/Inches HG), 48 hrs automatic pressure trend recording
16	Battery Life	Up to 16 hours;10 hours typical on GPSMAP 76CSx
17	Temp Range	15° C to 70° C
18	Accessories	128 Micro SD card PC/USB interface cable Map Source Trip & Waypoint Manager CD Owner's manual Quick reference guide
GPS		
1	Dual frequency P- code Receiver	Must support the following modes: Static Fast or Rapid Static Kinematic Stop & Go Kinematic continuous Real Time Kinematic
2	Horizontal Accuracy	5mm + 1ppm (r ms) (static & Fast Static) 10mm + 1ppm (r ms) (Real Time Kinematic)
3	Vertical Accuracy	10mm + 1ppm (r ms) (static & Fast Static) 20mm + 1ppm (r ms) (Real Time Kinematic)
4	Satellite Tracking	Minimum of 12 channels L1 Carrier Phase, Li p-code,L1 C/A code Minimum of 12 channels L2 Carrier Phase , L2 P-Code. Fully operational during P-Code encryption
5	Data collection interval	Selection of 1 to 60 seconds.
6	Internal data recording capacity (to internal or replaceable memory device, eg. PC card	72 hours L1/L2 -5 satellite at 15 second recording rate.
7	Power	Nominal 12V Dc Facility for connecting a minimum of two batteries, with automatic swapping between power sources without effecting data recording.
8	Dual frequency Antenna	Geodetic L1/L2 antenna cables of standard length.
9	RTK Functional kit	The equipment, radios and software necessary to provide full RTK functionality with a base receiver and two (2) rover receiver capability as follows Base station must be able to serve multiple rovers.

		Rover station display to indicate when sufficient data has been recorded to determine a position at the required accuracy.
10	OTF Initialization	Capable of “on-the-fly” initialization . Post process infill (ability to continue logging data when out of radio range, for post processing).
11	Operating Temperature Range	-20 to 60° C
12	User interface to enable	Full operator control of receiver functions. Field input of file name, antenna height and type, point ID. Display of battery voltage Display of date , time ,day number. Display of files in memory and available memory. Display of antenna position. Display of satellite health , satellite rise and set times. Display of satellite elevations, azimuths and signal to noise ratio (signal strength.) Display of satellite tracking data, including the number of continuously measurements made on L1 and L2 for the current session or point.
13	GPS Processing Software	<ul style="list-style-type: none"> a) Appropriate propriety baseline processing software as specified in manufacturer’s literature. b) Designed to run on an IBM PC compatible computer in the Microsoft Windows XP operating system. c) Must have full mission planning software to provide full information on, and plots of: Satellite visibility PDOP & GDOP Satellite azimuth & elevation. d) Automatic data processing of the following measuring modes: Static Fast or rapid static Kinematic stop & Go Kinematic continuous. e) Facility for operator intervention and variation of processing control. f) Output of full statistical data with results to enable analysis of data quality. g) Capable of exporting processing results and statistical data for input into the Micro search Geo Lab 2001 adjustment software and later versions as appropriate. h) Capable of importing and exporting RINEX format data. i) One set of original software on cd. j) Software protection device if required to operate the software. k) Full set of software manuals.
14	Accessories to be provided	Standard Battery set and charging Equipment, Tribach and Adaptor, spare Power cable , operator’s manual, Transport Cases, Telescopic Tripod, tripod Bag.

The instrument should be supported by the Post processing software for data Acquisition and analysis and should run under Windows 98/NT4/2000/XP/VISTA/Window 7 and latest Window operating system. The software shall be able to process basic mathematical functions, area and length calculation, graphics and imaging. The software shall have a feature of importing and exporting data to and from the instrument.

The deviations in the specifications should be clearly brought out in the form of a comparative statements including the added advantages with higher specifications and in case lower specifications can be justified for the topographical survey for hilly terrains where visibility and distances are the constraints. The same should be clearly brought out in terms of technical justifications and costs.

DECLARATION BY THE TENDERER

1. I/we confirm that all terms and conditions and specifications appended in the tender documents have been fully examined and full cognizance taken thereof in arriving at the total amount and tendered sums contained therein.
2. I hereby accept all the terms and conditions of the tender.
3. It is certified that we have not been black listed by any of the departments registration of which is valid for this work.
4. I/we warrant that the output supplied by us shall be in full conformity of the specification/output required by this tender. This warranty shall remain enforced / valid during inspection/acceptance of the output.

SIGNATURE OF TENDERER

Office Seal

1. Authorised Signatory
2. Name of the Tenderer
3. Address
4. Phone No.
5. Fax No.
6. E-mail Address
7. Web site address if any

JE

Correction-Nil

AE

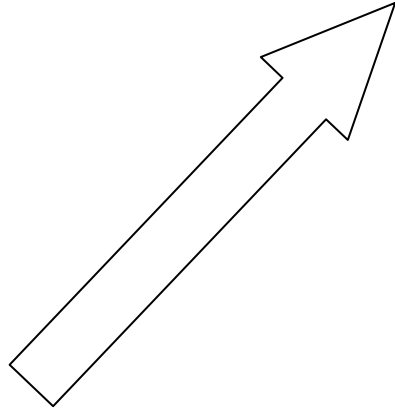
Insertion-Nil

Omission-Nil

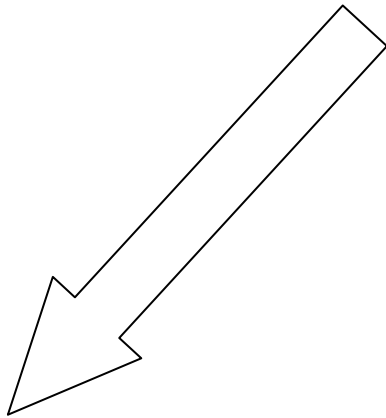
EE

Deletion-Nil

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FORM OF PERFORMANCE SECURITY / BANK GUARANTEE BOND

In consideration of the President of India (hereinafter called the government) having agreed Under the terms and conditions of the proposed Agreement made between Executive Engineer, Chenab Division, CWC, Jammu and _____

[hereinafter called the said contractor(s)*] for the supply " Supply of Survey Instruments - at Chenab Division, CWC, Jammu" - (hereinafter called the said agreement) having agreed to production of a irrevocable Bank Guarantee for Rs.

(Rupees _____ only) as a performance guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We _____ (Indicate the name of the Bank) (hereinafter referred to as the Bank) hereby undertake to pay to the government on amount not exceeding Rs. (Rupees _____ Only) on demand by the Government.

2. We _____ (indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demure, merely on a demand from the government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____ (Rupees _____ only).

3. We, the said Bank further undertake to pay to the Govt. any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any Court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this Bond shall be valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

4. We, _____ (indicate the name of Bank) further agree that the guarantee herein contained shall remain in full force and a fact during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the Govt. under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till Executive Engineer, Chenab Division, CWC, Jammu on behalf of the Govt. certified that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee.

5. We, _____ (indicate the name of Bank) further agree with the Government that the Government shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary only of the terms and conditions of the said Agreement or to extend time of performance by the said contractor(s) from time to time or postpone for any time or from time to time any of the powers exercisable by the Govt. against the said contractor(s) and to for bear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any forbearance, act of omission on the part of the Govt. or any indulgence by the Govt. to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the Constitution of the Bank or the contractor(s).

7. We, _____ (indicate the name of Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Govt. in writing.

8. This guarantee shall be valid up to _____ unless extended on demand by Govt. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. _____ (Rupees _____) only and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the _____ day of _____ for _____ (Indicating the name of Bank).

CONTRACT AGREEMENT

No.

Dated:

This agreement is made on -----/2011 between Executive Engineer, Chenab Division, Central Water Commission, 29/30, Lane No. 6, Talab Tillo, Jammu, (hereinafter called the purchaser) of the one part and M/S ----- (hereinafter called the supplier) of the other part.

WHEREAS the purchaser is desirous that following Survey Instruments should be supplied:

S. No.	Name of Instrument	Particulars	Qty.
--------	--------------------	-------------	------

And has placed a purchase order on the basis of your tender No. submitted to the Executive Engineer, Chenab Division, Central Water Commission, Jammu for the supply of the above mentioned survey instruments in the sum of Rs. (Rupees _____) only inclusive of sales tax, excise duty, packing & forwarding, freight, octroi and other changes etc.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this agreement words and expressions shall have the same meanings as are respectively assigned to them in the conditions of the contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this agreement viz:
 - i. Notice inviting tender
 - ii. Letter of contractor submitting tender.
 - iii. Terms & conditions of tender for supply of "Survey Instruments", terms and conditions of contractor and schedule of rates.
 - iv. Other letters of contractor and the departmental officers that were exchanged before the tender is accepted.
 - v. Letter of Executive Engineer communicating acceptance of the tender.
 - vi. Purchase order No. and date issued by the Executive Engineer regarding supply (after submission of the PG by the contractor).
 - vii. Specifications of the survey instruments.
3. The consideration of the payments to be made by the purchaser to the supplier as herein after mentioned, the supplier hereby covenants with the purchaser to provide the goods and services and to remedy defects therein in the conformity in all respects with the provisions of the contract.
4. The purchaser hereby covenants to pay the supplier in consideration of the provision of the goods and services and the remedying of defects therein, the contract price of such other sum as may become payable under the provisions of the contract at the time and in the manner prescribed by the contract.
5. Brief particulars of the goods and services which shall be supplied / provided by the supplier are as under:

EE, CD, CWC, JAMMU

Sign & Seal of Contractor

JE

Correction-Nil

AE

Insertion-Nil

Omission-Nil

EE

Deletion-Nil

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Description of item	Qty.	Rate	Amount	Warranty Period

6. Delivery Schedule: The delivery schedule of the instruments covered in contract will commence immediately after the contract is signed and will be completed up to the date of delivery and is not negotiable.

IN WITNESS whereof the parties hereto have caused the agreement to be executed in accordance with their respective laws and day and year first above written.

Signed, Sealed and delivered by the

For & on behalf of the President of India

Said

Executive Engineer (For the Purchaser)
Chenab Division,
Central Water Commission
29-30, Lane no. 6, Talab Tillo
Jammu.

In the presence of

Signed, Sealed and delivered by the

Said
M/S (For the Supplier)

In the presence of

EE, CD, CWC, JAMMU

Sign & Seal of Contractor