

**NATIONAL GEOTECHNIAL FACILITY(NGF)
(Dept. of Science and Technology, Govt. of India)
IISM CAMPUS, SURVEY OF INDIA
UPPAL, HYDERABAD – 500 039.**

TENDER DOCUMENT

FOR

INVITING TENDERS FOR NGF PROJECT

ADVERTISEMENT NO. NGF-SOI/1-2010-11

PRE BID CONFERENCE - 11-06-2010
TO BE SUBMITTED BY - 30-06-2010 (1200 hrs.)
TO BE OPENED BY - 30-06-2010 (1500 hrs.)

PRICE – Rs. 10,000/- (US \$ 200 FOR FOREIGN VENDORS)

*** * * * ***

NATIONAL GEOTECHNICAL FACILITY(NGF)
Dept. of Science & Technology, Govt. of India
IISM CAMPUS, SURVEY OF INDIA,
UPPAL, HYDERABAD – 500 039.

GRAMS : SURTRAINING
FAX : 040-27200286
PHONE : 040-27201503
 040-27204117
EMAIL : ngfhyd@gmail.com/iismsoi-ap@nic.in

PURCHASE OF GEOTECHNICAL EQLUIPMENT FOR NGF

Tender No.	/	Dated :	/2009
1.	Designation and address of the Officer inviting the tender on behalf of President of India	:	Project Director , NGF , Indian Institute of Surveying & Mapping, Survey of India, Uppal, Hyderabad – 500 039.
2.	(a) Last date and time of sale of the Tender Document	:	(a) 30-06-2010 (1100 hrs)
	(b) Total No. of Pages in this Tender Document	:	(b) 35 pages
3.	(a) Pre bid conference	:	(a) 11-06-2010
	(b) Last date & time of receiving the Tender	:	(b) 30-06-2010 (1200 hrs)
4.	(a) Date and time of opening of Techno commercial Bid / Un-priced Bid	:	(a) 30-06-2010 (1500 hrs) Venue:- Conference Hall of Indian Institute of Surveying & Mapping, Survey of India, Uppal, Hyderabad-500 039, Andhra Pradesh, India
	(b) Date and time of Opening Price Bid	:	b) To be intimated to the short listed firms later on

5. Detailed Specification of Stores :

SL. NO.	DESCRIPTION	QUANTITY (APPROX.)	REMARKS
	LIST ENCLOSED AS APPENDIX - I		

The quantity as above may increase or decrease at the time of placing firm supply order.

6) The tender (in English language only) for the above item is to be submitted along with detailed specifications and operational conditions and limits.

6.A) Eligibility Criteria :- (To read with Sl. No. 1 of General Terms & conditions of Supply – Appendix II)

The tenderer must possess minimum eligibility criteria mentioned under to participate in the tender :-

- (a) Should possess minimum 5 years experience in the relevant field of marketing in hardware and Software.
- (b) Should have minimum turn over of Rs.10 crores per annum for three preceeding years (Should be substantiated with I.T. returns and audited balance sheets).
- (c) Should have got registered with company of Law Affairs under Company's Act (For Indian Agents representing Foreign Suppliers should have registered with DGS&D as per their norms and Indian Manufacturers).
- (d) Should have sold the similar product to any Government/Public Sector Organisation.
- (e) Should have facility to organise after sales service support in India.

7. The tenderer may please note that the tender once submitted will not be altered in any case and should not have any scope to ambiguity, cutting or overwriting. In case of overwriting / cutting if any, it must be authenticated with signature of the tenderer.

8. No consortium or joint venture is allowed.

9. The tenderers of the following Groups may submit their offer accordingly :-

GROUP 'A'

Items manufactured in India and offered by the Indian Manufacturer or their authorized dealer / distributor along with letter of authority from the Indian Manufacturer (for terms & conditions of supply, Annexure 'A'(i), 'A'(ii) and 'A'(iii) may be referred to).

GROUP 'B'

Items manufactured in foreign country (showing country of origin) and offered by the Foreign Manufacturers / Suppliers on FOB basis (for terms of conditions of supply, Annexure 'B'(i) and 'B'(ii) may be referred to).

GROUP 'C'

Items manufactured in foreign country (showing country of origin) and offered by the Indian Agents with proper letter of authority from their Foreign Principals, the Manufacturer. (for terms and conditions of supply, Annexure 'C'(i) and 'C'(ii) may be referred to).

10. TENDERING SYSTEM :

The tenders / bids are to be submitted in two Parts, i.e. Part – I & Part – II.

Part – I titled as TECHNICAL BID shall contain the complete technical qualifications and commercial Bid package with terms and conditions of supply etc. (except Price Schedule). Part – II titled as COMMERCIAL BID shall contain the Price Schedule duly filled in the prescribed proforma.

The TECHNICAL BID AND COMMERCIAL BID shall be placed in separate sealed envelopes. Each of these two sealed Envelopes containing the respective Bids shall indicate on the face of it the Tender No., and the type of bid i.e. Technical or Commercial Bid as the case may be along with the Name and Address of the Bidder / Tenderer. These two sealed envelopes / covers shall be put into OUTER COVER and sealed. The OUTER COVER shall only indicate the TENDER NO. and last date and time of receiving the tenders PROMINENTLY along with the Address of Purchaser i.e. THE PROJECT DIRECTOR, NGF, INDIAN INSTITUTE OF SURVEYING AND MAPPING, SURVEY OF INDIA, UPPAL, HYDERABAD – 500039. **Commercial bid must be submitted on prescribed proforma as applicable. Tender will be rejected if deviation from proforma on any account is found.**

11. VALIDITY OF RATES

The rates quoted in the tender must remain valid for 180 days (six months) from the date of opening of financial bid / price bid. Rates will not be changed in any circumstances.

12. OPENING OF TENDERS

- (i) The Technical Bid will be opened on **30-06-2010 (1500 hrs.)** in the Conference Hall /Board Room of Indian Institute of Surveying and Mapping, Survey of India, Uppal, Hyderabad – 500 039 (India).
- (ii) The representatives of the tenderers / bidders may attend the opening of tenders along with letter of authority from the representative tenderer / bidder. The **date of opening of Commercial Bids** shall be intimated separately by Telegram / Fax / Telephone / SOI's Website. Only one representative from each bidder will be permitted.

13. FOREIGN EXCHANGE RATES

- (a) The exchange rates of Rupee to the currency in which the price has been quoted would be considered on the rates as prevalent on day of opening the Price Bid as per quotes of Reserve Bank of India.
- (b) The rate of exchange as per RBI prevalent on the day of opening of letter of credit shall be the rate of fixing the payment of India Agency Commission, if any, in Indian Rupees.

14. DEMONSTRATION OF INSTRUMENT

The tenderer will arrange demonstration of instrument, in question, at Hyderabad, Andhra Pradesh – (INDIA), free of cost, either directly or through authorized Indian Agents / Dealers / Distributors, as the case may be, to verify whether the Instrument meets the accuracy criteria as indicated in the technical specifications given in Appendix – I. Short listed tenderers will be required to demonstrate the instruments as per the dates to be intimated to them.

15. INSPECTION

Preliminary inspection of the stores will be carried out by the supplier at the factory before dispatch. The final joint inspection will be carried out at the consignee's site after receipt of the consignment. In case of defective supply due to latent manufacturing defects, the same has to be removed and replaced at the supplier's cost. **All the inland expenses including insurance are to be met by the supplier.**

16. WARRANTY

The supplier will replace the defective material, free of cost, if noticed within the Guarantee / Warranty period. The Warranty Certificate, as per specimen enclosed at APPENDIX-III, is also to be submitted duly signed along with the tender. The warranty will have to be valid for a period of 12 months after the date of final acceptance of the intent (Joint Inspection Report). In case of any break down during the warranty, the period of warranty shall get extended for the period for which instrument remained out of service.

17. GUARANTEE

The instrument should have **functional guarantee at least for 1 year from the date of completion of training to NGF staff.**

18. AGREEMENT

The successful Tenderers / Suppliers will be required to sign an agreement on non-judicial stamp paper of Rs.100/- as per specimen at Appendix IV at their own cost.

19. SERVICE MANUAL

Service Manual with Circuit diagram will have to be provided with the instrument.

20. REPAIR AND MAINTENANCE

The tenderer should furnish the detailed data for repair and maintenance facilities as would be extended by them, in case of any necessity. The tenderer must specify the normal expected life of the instrument.

21. TRAINING

The rates quoted should be inclusive of installation and training charges. Training will have to be imparted to NGF staff at two selected locations viz. Hyderabad and Dehra Dun in India by the supplier free of cost for 5 days at each selected site.

22. For general terms and conditions of supply, please see APPENDIX – II.

23. The tender document can be downloaded from our website : www.surveyofindia.gov.in/ www.soisti.ap.nic.in/ www.dst.gov.in Tenderers downloading the tender document shall attach a separate Demand Draft of Rs.10,000/- of any Commercial / Nationalised Bank in favour of the **Project Director, NGF** along with the Technical Bid towards the cost of tender document in addition to separate Demand Draft towards earnest money deposit, failing which the offer will be rejected.

24. Please note that **Late Tenders / Delayed Tenders or Postal Delayed Tenders will not be considered at all.**

25. The inner and outer envelope of the tender should be addressed as below and NOT to any individual by name.

<p>TENDER FOR NGF Project</p> <p>(Last Date and Time of Receiving of Tenders : 30-06-2010 (1200 hrs)</p> <p>Addressed to : The Chairman Procurement Board, C/o Project Director, NGF , Indian Institute of Surveying & Mapping, Survey of India, Uppal, Hyderabad-500 039. Andhra Pradesh. (INDIA)</p>

26. The Project Director, NGF, reserves the right to reject / cancel all or any tender without assigning any reason thereof.

**CHAIRMAN, PROCUREMENT BOARD,
PROJECT DIRECTOR FOR NGF**

ANNEXURE 'A' (i)

In case of the offer from the Indian Manufacturer / or through their authorized dealers / distributors Break – up details of cost :

SL. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE RS.	COST RS.
1)	(a) Main Instrument Equipment (b) Standard OEM Accessories (c) Optical Spare Parts (d) Mechanical Spare Part (e) Optional Accessories (f) Total (a) to (e)			
2)	Excise Duty (with percentage on total (1) (f)			
3)	R&D and Cess (with percentage) if any, on Total (1) (f)			
4)	ST / CST			
5)	Total (1) to (4)			
6)	Taxes as applicable at the time of procurement			
7)	Packing & Forwarding charges			
8)	Transit Insurance charges (upto the Consignee's site till the date of installation / commissioning of Instrument / Equipment).			
9)	Inland Transportation charges (ON DOOR DELIVERY BASIS)			
10)	Service / Handling charges, if any (in case of Authorized Dealers / Distributors only)			
11)	Total Cost (on F.O.R. Destination basis)			

NOTE :- The rates quoted should be inclusive of installation and cabling charges. Training will have to be imparted to NGF staff at Hyderabad and Dehra Dun by the supplier free of cost for 5 days at each selected site.

ANNEXURE 'A' (ii)

While submitting the offer, the following information / documents may also be furnished in support of the tender by the **INDIAN SUPPLIERS**.

1. EARNEST MONEY / BID SECURITY

Earnest Money of fixed amount of Rs.7,00,000/- (Rupees Seven Lakh Only) in the shape of Fixed Deposit Receipt / Bank Guarantee valid **for eight months from the date of submission of the tender** of any Nationalized / Commercial Bank in favour of the Project Director, NGF should be submitted along with the UNPRICED BID. Shortfall in amount of Earnest Money, if any, will result in rejection of the offer.

2. SECURITY DEPOSIT / PERFORMANCE SECURITY

Successful tenderer will have to furnish Security Deposit @ 10% value of the order / contract in the shape of Fixed Deposit Receipt / Bank Guarantee of any Nationalized / Commercial Bank valid **for 15 months from the date of receipt of letter** of intent with a provision of further extension in favour of the Project Director, NGF. An Agreement is also to be signed by the Supplier at their cost on non-judicial stamp paper of Rs.100/- as per specimen at APPENDIX – IV. Kindly confirm.

3. DELIVERY PERIOD

Please state the minimum delivery period required by you from the date of receipt of firm Supply Order. However the stores will have to be supplied latest within 6 weeks from the date of firm supply order.

4. PACKING

The main Equipment / Instrument, in question, is required to be securely packed as per INTERNATIONAL STANDARD TRADE PACKING to avoid damages to the consignment in transit. The packing charges should be included in the break-up details of cost.

5. INSURANCE

The consignment is required to be dispatched to the consignee, duly insured for transit insurance for all risks from the consignor's Warehouse to the Consignee's Warehouse upto final destination till the erection / installation of the Main Equipment / Instrument. The insurance charges should be included in the break-up details of cost.

6. ACCESSORIES

Only OEM accessories should be quoted.

7. TRANSPORTATION CHARGES

The transportation charges should be pre-paid for delivery of consignment to the consignee on DOOR DELIVERY BASIS and should be included in the break-up details of cost.

8. PAYMENT

100% payment will be made within thirty days from the date of installation and commissioning / acceptance of the Main Equipment / Instrument and completion of training to NGF staff by the firm. No request for advance payment, payment against delivery or payment through Bank against dispatch documents will be considered.

ANNEXURE 'A' (iii)

The following clauses mentioned in this tender document may also please be confirmed in the TECHNICAL BID :-

- A) VALIDITY OF OFFER
- B) FREE DEMONSTRATION OF INSTRUMENT
- C) INSPECTION
- D) WARRANTY
- E) GUARANTEE
- F) SERVICE MANUAL
- G) REPAIR & MAINTENANCE AFTER SALES SERVICE FACILITIES
- H) TRAINING
- I) FREE AMC FOR THREE YEARS

Xerox copies of the following documents are also required to be furnished along with the TECHNICAL BID :-

- i) Registration Certificate of the firm under Companies Law.
- ii) Registration Certificate if registered with D.G.S. & D as an approved Government Supplier or registered as a Small Scale Unit with Small Scale Industries.
- iii) Latest Sales Tax Clearance Certificate.
- iv) Latest Income Tax Clearance Certificate.
- v) In case of wholesale dealers / distributors / agents, authority letter (in original) from their Principals / Manufacturers.
- vi) One copy of Warranty Certificate, duly stamped and signed (specimen enclosed).

ANNEXURE 'B' (i)

In case of offer from the Foreign Manufacturer / Supplier against F.O.B. / CIF Cost.

Break-up-details of cost of stores

In Foreign Currency

- (a) Main Instrument / Equipment
- (b) Standard OEM Accessories
- (c) Optical Spare Parts
- (d) Mechanical Spare Parts
- (e) Optional Accessories
- (f) Total (a) to (e)
- (g) Inland Packing / forwarding & transportation charges upto consignor's Air Port, if any
- (h) F.O.B. Cost
- (i) Agency Commission payable to the Indian Agent in Indian Currency
- (j) NET F.O.B. Cost (h) – (i)
- (k) Insurance charges (Approx.)
- (l) Air Freight (Approx.)
- (m) Plus Agency Commission (as per Col. (i))
- (n) C.I.F. Value (Delhi Air Port)

2. Please also intimate :-

- (i) Approx. net weight of Main Instrument (with standard Accessories etc.)
- (ii) Approx. Gross weight of Main Instrument (with standard Accessories etc.)

3. The rates quoted should be inclusive of installation and training charges. Training will have to be imparted to NGF staff at Hyderabad / Dehra Dun by the supplier free of cost for 5 days at each selected site.

ANNEXURE 'B' (ii)

While submitting the offer, the following information / documents may also please be furnished alongwith the TECHNICAL BID :- **BY THE FOREIGN SUPPLIER.**

1. DELIVERY PERIOD

The stores will have to be supplied within 6 weeks after the date of opening of letter of Credit and issue of Supply Order.

2. PACKING

The consignment is required to be securely packed as per international standard trade practices to avoid damages to the Equipment / Instrument during transit.

3. INSURANCE

If purchase is made on FOB Basis, the transit insurance from the Supplier's Warehouse to the Consignee's site will be arranged by the Consignee. And in case the purchase is made on CIF Basis, the insurance from consigners ware to consignees site will be arranged by the supplier.

4. EARNEST MONEY / BID SECURITY – BY THE FOREIGN SUPPLIER

Earnest Money of fixed amount US \$ 15,000 (US \$ Fifteen Thousand Only) in the **shape of Fixed Deposit Receipt / Bank Guarantee valid for eight months** of any Nationalised / Commerical Bank in favour of the "Project Director, NGF", should be submitted along with the UNPRICED BID. Shortfall in amount of Earnest Money, if any, will result in rejection of the offer.

5. PAYMENT TO THE FOREIGN SUPPLIER

Payment equal to 90% of F.O.B. / CIF Cost will be made to the Foreign Supplier through an Irrevocable Letter of Credit to be opened by the Purchaser through his Bankers, on presentation of document of air lifting of consignment, Manufacturer's Warranty / Guarantee and Test Certificates. (However, before opening of LC., **a Bank Guarantee valid for 15 months** for the entire cost of the equipment will be obtained as security deposit from the supplier with the provision of further extension / revalidation). The remaining 10% payment will be released / made after inspection and acceptance of the instrument by the ultimate consignee and completion of training to NGF staff imparted by the firm. The inspection would be made in the presence of the local Agents of the Foreign Supplier and a joint inspection report signed both by the Consignee and the Indian Agent on behalf of the Foreign Supplier. The bank guarantee will be released after expiry of the mandatory warranty period. **An Agreement is also to be signed by the Indian Agent on behalf of foreign supplier at their cost on non - judicial Stamp paper of Rs.100/- as per specimen at Appendix-IV.**

6. SECURITY DEPOSIT / PERFORMANCE SECURITY

Performance Security by the Foreign Supplier before release of Bank Guarantee and 10% balance amount after receipt and inspection of material it is mandatory for the foreign supplier to furnish performance security of 10% value of the total amount of the purchase order to ensure satisfactory function of the equipment **for a period of 15 months from the date of supply.**

7. AGENCY COMMISSION

The Agency Commission (with percentage) payable to the Indian Agent may please be mentioned in the tender, if applicable. The Agency Commission should be included in the commercial bid.

The rate of exchange will be calculated on rates prevalent on day of opening of L.C. in Bank – Para – 12) only the converted value of agency commission in Indian Rupee will be paid after final acceptance of the instrument by the ultimate consignee and completion of training to the SOI staff by the firm.

8. The following clauses mentioned in this tender document may also please be confirmed in the TECHNICAL BID :-

- (a) VALIDITY
- (b) FREE DEMONSTRATION OF INSTRUMENT
- (c) INSPECTION
- (d) WARRANTY
- (e) GUARANTEE
- (f) SERVICE MANUAL
- (g) REPAIR & MAINTENANCE (AFTER SALES SERVICE FACILITIES)
- (h) TRAINING
- (i) FREE AMC FOR THREE YEARS

ANNEXURE 'C' (i)

In case of offer from the Authorised Indian Agent of the Foreign Manufacturer / Supplier.

1. C.I. F. Value	In Foreign Currency	In Indian Currency
(a) F.O.B. Cost of Main Instrument / Equipment with standard Accessories as per Proforma Invoice from Foreign manufacturer / Supplier (as per details given in Annexure 'B' (i).		
(b) Approx. Insurance charges		
(c) Approx. Air Freight Charges C.I.F. Value (Delhi Air Port) Total (1)		
2. CUSTOMS DUTY I.T.C. Code No.		<u>To be paid by the supplier against custom duty exemption certificate which will be issued by SOI</u>
(a) Basic Customs Duty (with %	Rs.	
(b) Educational Cess (with %	Rs.	
(c) Any other Customs duty (to be specified)	Rs.	
(d) Clearing / Handling / Inland freight etc., up to the Consignee's warehouse will be paid by the supplier	Rs.	
(e) Agent commission, if any	Rs.	
Total (2)	Rs.	
Total (1) + (2)	Rs.	
3. Any other Charges (to be specified)	Rs.	
Total landed cost	Rs.	

Note :- The rates quoted should be inclusive of installation and training charges. Training will have to be imparted to NGF staff at Hyderabad / Dehra Dun by the supplier free of cost for 5 days at each selected site.

ANNEXURE 'C' (ii)

1. FOREIGN EXCHANGE RATES

Please confirm that the foreign exchange rates taken into account for purpose of submission of Price Bid in Indian Currency **will remain valid for the entire period of bid validity.**

In case of fall in foreign exchange rates at the time of placing a purchase order, the selling rates of foreign exchange will be taken into account.

2. EARNEST MONEY

Earnest Money of fixed amount of Rs.7,00,000/- (Rupees Seven Lakhs only) in the shape of Fixed Deposit Receipt valid for eight months from the date of submission of tender of any Nationalised / Commercial Bank in favour of the "Establishment & Accounts Officer, Indian Institute of Surveying & Mapping, Survey of India, Uppal, Hyderabad", should be submitted along with the TECHNICAL BID. Shortfall in amount of Earnest Money, if any, will result in rejection of the offer.

3. SECURITY DEPOSIT

Successful tenderer will have to furnish Security Deposit @ 10% value of the order / contract in the shape of Fixed Deposit Receipt / Bank Guarantee (valid for at least twelve months) of any Commercial / Nationalised Bank made in favour of the "Establishment & Accounts Officer, Indian Institute of Surveying and Mapping, Survey of India, Uppal, Hyderabad". An Agreement is also to be signed by the Indian Agent at their cost on non-judicial Stamp Paper of Rs.100/- as per specimen at Appendix-IV. Kindly confirm. In case of offer against FOB / CIF in foreign currency, the term for security deposit will be applied as mentioned vide para 5 and 6 of Annexure B (ii).

4. PAYMENT

(i) For offer against F.O.B. / CIF Cost in Foreign Currency

90% payment of F.O.B. / CIF Cost through an Irrevocable Letter of Credit to be opened in favour of the Foreign Supplier through his Bankers on proof of dispatch documents as per L.C. and balance 10% payment of F.O.B. / CIF Cost within 30 days from the date of receipt and successful installation / commissioning and final acceptance of instrument by the ultimate consignee against Joint Inspection Report to be signed both by the Consignee and the Indian Agent.

(ii) For offer against payment in Indian Currency

100% payment will be made within thirty days from the date of installation and commissioning / acceptance of the instrument and completion of training. Please confirm that our terms of payment are acceptable to you. In such case, no request for advance payment against delivery or payment through Bank against dispatch documents will be considered.

In addition to the information called for in Annexure 'B', the Indian Agents submitting their offer on behalf of their foreign principals are required to furnish the following information / documents along with the TECHNICAL BID :-

- (a) Authority letter from their Foreign Principals.
- (b) Warranty Certificate from their Foreign Principals (specimen enclosed).
- (c) Attested Xerox copy of the Agreement between the Foreign Manufacturer and the Indian Agent for sale of foreign goods in India (as per DGS&D norms) .
- (d) Xerox copy of latest Income Tax Clearance Certificate.
- (e) Xerox copy of latest Central Tax Clearance Certificate VAT Clearance Certificate.
- (f) Technical brochure / literature / catalogue of the Main Instrument / Equipment quoted for.

Proforma Invoice from their Foreign Principals showing F.O.B. Cost / C.I.F. value of the instrument / equipment, in question, should be submitted along with the COMMERCIAL BID.

While submitting the tender, General Terms & Conditions of supply given in APPENDIX – II may also please be seen and all relevant information be incorporated in the tender.

APPENDIX – I

**SPECIFICATIONS FOR PROCUREMENT OF
EQUIPMENT FOR NATIONAL GEO-TECHNICAL FACILITY (NGF)**

S.No.	Specification	Number required for		
		Hyderabad	Dehradun	Total
I	Conventional Soil Mechanics Laboratory			
I.1.	General Laboratory Equipment			
	Supply and delivery of the General Laboratory Equipment listed below (strictly conforming to the relevant BIS specifications) including cost, conveyance, labour and any other incidental charges etc., complete, as per the terms and conditions listed in the tender document.			
I.1.A	Laboratory Electric Ovens			
	Thermostatically controlled Laboratory Electric Oven to maintain temperature at 60° to 120°C with non-corrodible interiors conforming to the requirements as specified in IS : 2720 (Part-2) - 1973 ; of internal sizes			
	450 X 450 X 450 mm	1	1	2
	600 X 600 X 600 mm	1	1	2
I.1.B.	Weighing Balances			
	Electronic Balances of reputed make and with quality certification from BIS or equivalent of			
	Capacity 600 g x 0.01g with pan size of 116 mm dia	1	1	2
	Capacity 40 kg x 2 g with pan size of 290x210 mm	1	1	2
I.1.C.	Scales			
	Steel Scale of reputed make and with quality certification from BIS or equivalent of			
	300 mm length	3	3	6
	1000mm length	3	3	6
I.1.D.	Measuring Tape			
	Measuring Tape of reputed make and with quality certification from BIS or equivalent of			
	5m long - Metallic	3	3	6
	30m long - Cloth linen	3	3	6
I.1.E.	Vernier Caliper			
	Vernier Caliper of reputed make and with quality certification from BIS or equivalent of			
	150 x 0.1 mm	3	3	6
I.1.F.	Screw Gauge			
	Screw Gauge of reputed make and with quality certification from BIS or equivalent of			
	50 x 0.1 mm	3	3	6

I.1.G.	Thermometer			
	Laboratory Thermometer of reputed make and with quality certification from BIS or equivalent of			
	Wall mounted - glass - fitted in protective case - range -10° to 110°C	3	3	6
	Digital Thermometer - range -50° to 280°C	3	3	6
	Wet and Dry Thermometer	3	3	6
I.1.H.	Moisture Content Tins			
	Moisture Content Tins made of non-corrodible material preferably stainless steel of suitable gauge with a size of			
	60 mm dia and 30mm deep with cap	100	100	200
I.1.I.	Tools			
	Spatula-metallic-20mm wide, 150mm long with monolithically cast metallic handle or one conforming to IS:10077-1982.	6	6	12
	Scoop-metallic-2 kg capacity	6	6	12
	Scoop-metallic-5 kg capacity	6	6	12
	Shovel, metallic with flat blade of size 250x300mm	2	2	4
	Gloves-7.5" size-latex-pack of 10 pairs	2	2	4
	Heat Resistant Hand Gloves-each pair	2	2	4
	Stop Watch- mechanical-0.2 sec. sensitivity	3	3	6
	Stop Watch- digital - 0.1 sec. sensitivity	3	3	6
	Chisel-metallic-200 mm long	2	2	4
	Hammer-ball pin-500 g	3	3	6
	Hammer-ball pin-800 g	3	3	6
	Sample container - porcelain - 500 ml	6	6	12
	Sample container - porcelain - 1000 ml	4	4	8
	Sample container - porcelain - 2000 ml	3	3	6
	Sample container - porcelain - 5000 ml	3	3	6
	Sample Tray - enamel coated - size 200x150x30 mm	6	6	12
	Sample Tray - enamel coated - size 300x250x40 mm	4	4	8
	Sample Tray - enamel coated - size 450x300x40 mm	6	6	12
	Sample Tray - enamel coated - size 600x450x50 mm	4	4	8
	Weights Box (1 mg to 5 kg)	3	3	6
	Rubber Pestle and mortar	3	3	6
	Sieve brushes	3	3	6
	Riffler	2	2	4
	Constant Temperature Bath capable of being maintained at 27°± 1°C	2	2	4
	Mechanical Stirrer conforming to the requirement of IS:2720 (Part-4)-1985	2	2	4
	Brass rod of 3mm dia and 100 mm length for use in Plastic limit test conforming to the specifications in IS:2720 (Part-5)-1985.	3	3	6
	Sample preparation tools such as cores, extruders etc., complete as a set	3	3	6
I.1.J.	Glass ware			
	Beaker-glass-graduated - capacity- 50 ml	6	6	12
	Beaker-glass-graduated - capacity- 100 ml	6	6	12
	Beaker-glass-graduated - capacity- 500 ml	6	6	12

	Beaker-glass-graduated - capacity- 1000 ml	6	6	12
	Measuring Jars-glass-graduated-capacity - 50 ml	6	6	12
	Measuring Jars-glass-graduated-capacity -100 ml	6	6	12
	Measuring Jars-glass-graduated-capacity - 500 ml	6	6	12
	Measuring Jars-glass-graduated-capacity -1000 ml	6	6	12
	Measuring Jars-poly carbonate-graduated-capacity - 50 ml	3	3	6
	Measuring Jars-poly carbonate-graduated-capacity - 100 ml	4	4	8
	Measuring Jars-poly carbonate-graduated-capacity - 500 ml	3	3	6
	Measuring Jars-poly carbonate-graduated-capacity - 1000 ml	3	3	6
	Density Bottle with stopper confirming to IS:2720 (Part-3) - 1980	6	6	12
	Pycnometers with cap confirming to IS:2720 (Part-3) - 1981	6	6	12
	Desiccators, non-vacuum type-glass-200 mm dia	3	3	6
	Desiccators, non-vacuum type-glass-300 mm dia	3	3	6
	Desiccators, vacuum type-glass-300 mm dia	3	3	6
	Crucible with lid - porcelain - 25 ml	2	2	4
	Crucible with lid - porcelain - 50 ml	3	3	6
	Glass plate with rounded edges - 450x300x10 mm	4	4	8
	Glass plate with rounded edges - 600x450x10 mm	2	2	4
	Sampling pipette fitted with a pressure and suction inlet having a capacity of 10ml, conforming to the requirement of IS:2720 (Part-4)-1985	3	3	6
	Hydrometer and accessories confirming to the requirements of IS:2720 (Part-4)-1985	6	6	12
	Porcelain Evaporating dish-15cm in diameter	6	6	12
	Wide mouth conical flask - 1000ml capacity	6	6	12
	Buchner or Hirsch funnel	3	3	6
I.1.K.	First Aid Box			
	Laboratory First Aid box consisting of all necessary items of standard quality and quantity conforming to the relevant BIS specifications.	3	3	6
I.1.L.	Fire Extinguisher			
	Fire Extinguisher conforming to the relevant BIS specifications	2	2	4
I.2.	Sieves set			
	Set of sieves consisting of ISS-100mm, 75mm, 19mm, 4.75mm, 2mm, 0.425mm, 0.075mm together with bottom pan and top cap ; conforming to the specifications in IS:460 (Part-1)-1978, including supply and delivery of additional sieves :	2	2	4
	ISS 0.425mm	3	3	6
	ISS 0.075mm	3	3	6
I.3.	Motorized Sieve Shaker			
	Mechanical Sieve Shaker- electrically operated- conforming to the specifications in IS:2720 (Part-4)-1985.	1	1	2
I.4.	Liquid Limit Apparatus			
	Standard Liquid limit device along with grooving tools, type-A,B,C ; conforming to the specifications in IS:9259-1979	2	2	4

I.5.	Cone Penetration Device			
	Cone Penetration Device used for determination of liquid limit of soils, conforming to the specifications in IS:11196-1985	1	1	2
I.6.	Permeability test set up			
	Permeability test mould assembly including drainage base and drainage cap, conforming to IS : 11209-1985 along with	1	1	2
	Glass Stand Pipes for falling head test arrangement with diameters of 5, 20,50mm and length 1.50m suitably mounted on stand or otherwise fixed to wall as specified in IS:2720 (Part 17)-1986.			
	A suitable water reservoir capable of supplying water to the permeameter under constant head for the constant head permeability test arrangement, suitably mounted on stand or otherwise fixed to wall as specified in IS:2720 (Part 17)-1986.			
	including additional three moulds.			
I.7.	Automatic Compaction equipment			
	Electrically operated motor driven Automatic compactor that can operate at 220V, 50Hz, single phase AC current with adjustable drop heights, adjustable number of blows etc.together with Hammers, conforming to IS : 2720 (Part 7)-1980 & IS : 2720 (Part 8)-1983 along with	2	2	4
	Compaction mould including collar, base plate etc., conforming to IS:10074-1982	6	6	12
I.8.	Relative Density Apparatus			
	Relative Density Apparatus consisting of mould and accessories conforming to IS:10837-1984 ; vibratory table and others confirming to IS:2720 (Part 14)-1983 including weight handling equipment.	1	1	2
I.9.	Direct Shear Apparatus- Electronic			
	Direct Shear Apparatus consisting of			
	Two numbers of Shear Box assembly including shear box of size 60 x 60 x 25 mm ; grid plates, base plates, loading pad etc., complete conforming to IS : 11229-1985.			
	Loading frame with motorized drive system, surcharge weights, load Cell of 40 kN range , 2 no.of displacement sensors (LVDTs) with a minimum of 3m cable together with electronic conversion kit and others conforming to IS:2720 (Part 13) - 1986	1	1	2
I.10.	Un-confined Compression Test Apparatus			
	Un-confined Compression Test Apparatus consisting of	1	1	2
	Motorized adjustable speed Loading Frame of capacity 10 kN			
	High sensitivity Proving ring of 5 kN capacity			
	Dial gauge of 25mm travel with a least count of 0.01mm etc., conforming to IS:2720 (Part 10)-1973.			
	set of sample preparation tools			
I.11.	Tri-axial Shear Apparatus			

	Conventional Tri-axial Shear Apparatus conforming to the specifications of IS:2720(Part 12)-1981 ; consisting of	1	1	2
	Tri-axial Cells confirming to the sample sizes of 38mm & 100 mm			
	Constant Cell pressure maintenance system			
	Pore pressure Transducer - 1000 kPa capacity			
	Electronic volume change devise			
	Load Cell - 20 kN capacity with 0.01 kN sensitivity			
	LVDTs of 50mm range (± 25mm)			
	Electronic Conversion Kit / Data logger			
	Loading frame with motorized drive system with adjustable speed of 20 kN capacity			
	along with sample preparation tools, rubber membranes of relevant sizes 30 no. each etc., complete as per the specifications of IS:2720(Part 12)-1981			
I.12.	Laboratory Vane Shear Apparatus			
	Laboratory Vane Shear Apparatus with all accessories conforming to IS:2720 (Part 30)-1980	1	1	2
I.13.	California Bearing Ratio Test Apparatus			
	California Bearing Ratio Test Apparatus conforming to IS:9669, IS: 2720 (Part-16) consisting of			
	Load frame of 100 kN capacity	1	1	2
	Load Cell - 100 kN capacity with 0.01 kN sensitivity			
	LVDTs of 50mm range (± 25mm)			
	other accessories except sample preparation devises.			
	CBR Moulds with collar	10	10	20
I.14.	Consolidation Test Apparatus-Manual-3 gang			
	Consolidation Test Apparatus-Manual-3 gang- loaded up to 1600 kPa, with all accessories conforming to IS:12287 , IS:2720 (Part-15)	1	1	2
I.15.	Consolidation Test Apparatus-Electronic-3 gang			
	Consolidation Test Apparatus-Electronic-3 gang- loaded up to 1600 kPa, with all accessories conforming to IS:12287 , IS:2720 (Part-15)	2	2	4
I.16.	Pocket Penetrometer			
	Pocket Penetrometer conforming to relevant BIS specifications	2	2	4
I.17.	Field Density Measurement Apparatus			
	Field Density Measurement Apparatus consisting of sand replacement method, Core cutter method along with all accessories as per relevant BIS specifications	2	2	4
I.18.	Rapid Moisture Meter			
	Rapid Moisture meter conforming to relevant BIS specifications including all accessories etc., complete.	2	2	4
I.19.	Proctor Needle			
	Proctor Needle conforming to relevant BIS specifications including all accessories etc., complete.	1	1	2
I.20.	Nuclear Density Meter			

	Nuclear Density Meter conforming to relevant BIS specifications including all accessories etc., complete.	1	1	2
II	Rock Specimen Preparation Laboratory			
II.1.	Core Drilling Machine			
	Rock Core Drilling machine, motor driven, variable speed, water cooled with suitable arrangement for inlet and outlet of water supply, clamping arrangement to hold specimens of regular / irregular shapes to the base of the machine and ability to cut cores of 38mm and 54.74mm (NX size), as per relevant BIS specifications	1	1	2
	Supply and delivery of additional diamond impregnated core drilling bit of 38mm	4	4	8
	Supply and delivery of additional diamond impregnated core drilling bit of 54.74mm	4	4	8
II.2.	Core Cutting and Grinding machine			
	Motor driven core cutting and grinding Machine for cylindrical samples up to NX size consisting of a diamond impregnated cutter & grinding wheel of 150mm dia or required size including water cooling system and sample holder complete as per relevant BIS specifications.	1	1	2
	Supply and delivery of additional diamond impregnated cutters	4	4	8
	Supply and delivery of additional diamond impregnated grinding wheels	4	4	8
II.3.	Polishing and Lapping Machine			
	Motor driven Polishing and Lapping Machine for cylindrical samples of 38mm and 54.74mm (NX size) consisting of water cooling system and sample holder etc., complete as per relevant BIS specifications.	1	1	2
II.4.	Tools for checking sample dimensions			
	Rock core gauge for measurement of Height, square ness, Flatness, Parallelism etc., for rock cores of 38mm and 54.74mm (NX size) with all accessories complete.	1	1	2
III	Rock Testing Laboratory			
III.1.	Uniaxial Compression Tester for Rock samples			
	Uniaxial Compression Tester for Rock samples conforming to IS : 12070, consisting of	1	1	2
	Loading frame with motorized drive system with adjustable speed of 2000 kN capacity			
	Load Cells - 500 kN , 1000 kN, 2000 kN capacity with 1 kN sensitivity			
	LVDTs of 50mm range (± 25mm) - Electrical resistance type			
	Electronic Conversion Kit for data logging and display system with provision for 12 channels			
	set of platens etc., complete			
III.2.	Brazilian Test Apparatus for rock samples			
	Brazilian Test Apparatus for testing Rock samples of sizes 38mm and 54.74mm (NX size), conforming to IS : 10082, consisting of	1	1	2
	Loading frame with motorized drive system with adjustable speed of 2000 kN capacity			

	Load Cells - 500 kN , 1000 kN, 2000 kN capacity with 1 kN sensitivity provided with maximum load indicator			
	Electronic Conversion Kit for data logging and display system with provision for 12 channels			
	Pair of semi-circular jaws for 38mm and 54.74mm (NX size) sample, a pair of platens etc., complete			
III.3.	Point Load Test Apparatus for rock samples			
	Point load test apparatus for testing Rock samples of sizes 38mm and 54.74mm (NX size), conforming to IS : 8764, consisting of	1	1	2
	Loading frame with motorized drive system with adjustable speed of 2000 kN capacity			
	Load Cells - 500 kN , 1000 kN, 2000 kN capacity with 1 kN sensitivity provided with maximum load indicator			
	Electronic Conversion Kit for data logging and display system with provision for 12 channels			
	Pair of platens etc., complete			
III.5.	Slake Durability Test Apparatus for rock samples			
	Slake Durability Apparatus for testing rock samples conforming to IS : 10050, consisting of	1	1	2
	Base board wit Motor Drive assembly with drum and tank assemblies including couplings to enable 4 test drums driven at a time along with timer etc., complete.			
III.6.	Tri-axial Testing System for Rock Samples-Electronic			
	Conventional Tri-axial Testing System for rock samples conforming to relevant BIS specifications ; consisting of	1	1	2
	Loading frame with motorized drive system with adjustable speed of 2000 kN capacity			
	Tri-axial Cell in stainless steel frame with a capacity up to 70 Mpa			
	Constant Cell pressure maintenance system			
	Load Cells - 500 kN , 1000 kN, 2000 kN capacity with 1 kN sensitivity provided with maximum load indicator			
	LVDTs of 100mm range (± 50mm) - Electrical resistance type			
	Electronic Conversion Kit for data logging and display system with provision for 12 channels			
III.7.	Laboratory Rock Permeability Apparatus			
	Laboratory Rock Permeability Apparatus conforming to relevant BIS specifications (IS 4383-1973) consisting of Mould, top and bottom plate with provision for porous stones, pipette, reservoir tank fitted with pressure gauge, valves, flow control regulator, foot pump and porous stones along with compressor of suitable capacity etc., complete.	1	1	2
III.8.	Direct Shear Apparatus for Rock samples			
	Direct shear Apparatus for Rock samples conforming to relevant BIS / ASTM specifications consisting of	1	1	2
	Shear Box of size 300 mm x 300mm x 100mm			

	Wooden moulds for casting the samples - 2 no.			
	Hydraulic Jacks (3 no.) of 100 kN capacity one each for applying normal load, shear load and one to return the sample to original position			
	Dial gauges (6 no.) of 25mm range with 0.01mm sensitivity			
	Hand operated hydraulic pump			
	Load gauge of 100 kN capacity with 0.50 kN sensitivity			
	all other sample preparation tools etc., complete			
III.9.	Electrical Resistivity Test Apparatus for Laboratory specimen			
	Electrical Resistivity Test Apparatus for testing of Laboratory specimen conforming to relevant BIS / ASTM standards	1	1	2
III.10.	Ultrasonic Wave Velocity Test Apparatus			
	Ultrasonic Wave Velocity Test Apparatus conforming to relevant BIS / ASTM standards.	1	1	2
III.11.	Stiff Test Apparatus for Intact rock			
	Closed loop servo controlled "Stiffness Test Apparatus" for rock samples of capacity 4000 kN with all accessories conforming to relevant BIS / ASTM Standards including	1	1	2
	System to apply confining pressure up to 70 Mpa			
	LVDTs of 100mm range (± 50mm) - Electrical resistance type- to rest on specimen loading cap			
	Load Cells - 500 kN , 1000 kN, 2000 kN and 4000 kN capacities with 1 kN sensitivity provided with maximum load indicator- to rest on specimen loading cap			
	Hydraulic power supply with 200 bar capacity			
	Hydraulic Service Manifold			
	Control and Data Acquisition system with force / stress / displacement / strain control & cyclic loading modes			
	Suitable safety devices etc., complete.			
III.12.	Schmidt Hardness Test Apparatus			
	Schmidt Hardness Test Apparatus for rock samples in the measuring range of 10 to 70 MPa with all accessories conforming to relevant BIS / ASTM Standards.	1	1	2

GENERAL TERMS AND CONDITIONS OF SUPPLY

1. QUALIFICATION CRITERIA

- (i) The bidder shall be a manufacturer or agent / dealer / distributor of the manufacturer who has designed, manufactured, supplied, erected, commissioner equipment / instrument of similar type and capacity as given in APPENDIX – I of the document and which are in successful operation in other international scientific organizations for five years on the date of bid opening.
- (ii) The bidder shall furnish details of supplies made in the last 5 years to the scientific organizations in India along with the user's certificate regarding satisfactory functioning of the equipment/instrument.
- (iii) The purchaser may, if required, see the demonstration of the equipment / instrument installed in other scientific organizations located nearby Hyderabad / Dehra Dun to verify whether the bidder meets the accuracy criteria as indicated in the technical specifications. Bids, which do not meet the criteria, will be treated as technically non-responsive.

2. COUNTRY OF ORIGIN

- (i) All Goods and Services supplied under the Contract shall have their origin in the member countries and territories eligible under the rules.
- (ii) For purpose of this clause, “origin” means the place where the goods are made, grown or produced, or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembling of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from the components.
- (iii) The origin of Goods and Services is distinct from the nationality of the supplier.

3. FORMAT AND SIGNING OF BID

- (i) The bid shall be typed or written, in English language only, in indelible ink and shall be signed by the bidder or a person or persons duly authorized to the bidder to the contract. The letter of authorization shall be indicated by written power – of – attorney accompanying the bid. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid.
- (ii) The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person or persons signing the bid.

4. CUSTOM DUTY

Consignee will only issue a custom duty exemption certificate where applicable. Other expenses regarding custom clearance shall be borne by the supplier.

5. ADDITIONAL QUESTIONS FOR TENDER ENQUIRIES

- (a) Please state that you have submitted your quotation in two part as indicated below:-

PART – I

Technical bid consisting of technical details, bringing out clearly in a separate sheet, deviations, if any, in specifications from those indicated in APPENDIX – I of the Tender Document.

PART – II

- (a) Price bid showing item wise price in a separate sealed cover inside the main cover.
- (b) Please indicate complete break-up of prices indicating clearly the net C.I.F., value, Customs duty etc. in a separate sheet, which should be signed by you.
- (c) Please confirm that you will forward in advance two copies of each of installation, operation and maintenance instructions and diagrams in English, in case contract is awarded and order placed with you.
- (d) Please indicate, in a separate sheet duly signed by you, full information in respect of the output that you obtained from the machine you have offered; and also that you guarantee for the performance of the machine under the normal conditions and also that you will demonstrate guaranteed output installation of the machine.
- (e) **Please attach lists duly signed by you, for such spare parts and tools as are absolutely essential for proper maintenance and operation of machine for a period of ten years (in the case of Electronic and Optical Spare Parts) and 5 years (in the case of Electronic and Mechanical Spare Parts) giving full particulars of the Spare parts and tools with the price of each spare part and tool separately.**
- (f) **Please confirm that you have adequate servicing and spare parts facilities in India in respect of the equipment/instrument tendered for by you or that you will arrange to provide such facilities simultaneously with the supply of the equipment / instrument.**
- (g) **Please confirm that you undertake the supplies of necessary maintenance of equipment / instrument and spare parts will be made available for life of the machine on a continuous basis at a price not in excess of the net FOB/FAS price after allowing maximum discount and without taking into account any commission payable to the Indian Agents, if any, of the seller. If any such commission is payable, the same shall be indicated and it shall be payable only in Indian currency. The life of equipment should be intimated.**

- (h) Please indicate that you guarantee that before going out of production of the spare parts, you will give adequate advance notice to the purchaser so that the later may order his requirements of spares in one lot, if he so desires.

Please indicate that you further guarantee that if you go out of production of the spare parts, then you will make available blue prints, drawings of the spare parts and specifications of materials at no cost to the purchaser if and when required in connection with the equipment / instrument to enable the purchaser to fabricate or procure spare parts from other sources.

(Signature of Tenderer)

6. ADDITIONAL QUESTIONS FOR IMPORTED STORES.

- (i) Please indicate here prices on the following basis:-

- a) F.O.B.
- b) F.A.S. Port of shipment of your Principals / Manufacturers.
- c) C.I.F. Value (Delhi Air Port)
- d) F.O.R. Station of dispatch (Also indicate the Station of Dispatch)
- e) F.O.R. Destination (i.e. Consignee's site).

- (ii) For F.O.R. quotations, please indicate here separately :-

- a) Net ex-Factory price.
- b) Net F.O.R. / F.A.S. Quotations please indicate here separately :-
 - (i) Net Ex-Factory price
 - (ii) Net F.O.R. / F.A.S. price exclusive of profit / commission.

- (iii) Please indicate commission payable to you/Indian Agents/Associates in Rupees. Also attach a copy of the agreement with your Principals / Manufacturers regarding quantum of Commissions payable.

(iv) In case you are a foreign firm quoting direct, please indicate:-

- a) The name and address of your Indian Agents / Associates / Representatives for servicing in India.
- b) Net F.O.B. / F.A.S. price exclusive of the amount of remuneration or commission for the Indian Agents / Associates.
- c) Commission / remuneration payable to the Indian Agents / Associates in Rupees.

(v) Please indicate the following particulars : -

- a) the precise relationship between the foreign Manufacturer / Principals and their Indian Agents / Associate.
- b) The mutual interest which the Manufacturer / Principals and the Indian Agents / Associates have in the business of each other.
- c) Any payment which the Agents / Associates received in India or abroad from Manufacturers / Principals whether as a commission for the contract or as a general retainer fee.
- d) Indian Agent's Permanent Income Tax Account Number.

(vi) Please furnish the following certificates on separate sheets, duly signed by you:-

- a) Certify that net prices are exclusive of commission, profit etc., to be paid to your Principals / Manufacturers in foreign currency and indicate separately the amount of remuneration / commission / profit which Indian Agents / Associates are entitled in terms of their Agreement with the Foreign Principals.
- b) Produce your Principal's Manufacturer's proforma invoice a certificate indicating remuneration / commission / discount etc. to be allowed in the particular transactions to their Indian Agents / Associates and the nature of the after sales service to be rendered by Indian Agents / Associates.

(SIGNATURE OF THE TENDERER)

7. COMPLETENESS / CORRECTNESS OF THE STORES

The contractor / supplier shall be responsible for the correct supply of the stores being ordered and shall replace the same free of cost if found not conforming to the required specifications or incomplete in any performance. The spares shall be guaranteed for interchangeability and performances. The changed parts, if any, will be guaranteed for correctness and interchangeability.

8. DECREASE IN THE QUANTITY TO BE SUPPLIED

Normally no item or quantity will be cancelled or reduced within the delivery period. But the Indentor / Purchaser reserves the right to cancel any item or reduce any quantity from the purchase order if the stores are not supplied within the original delivery period.

9. FORCE MAJEURE

“Force Majeure” means an event beyond the control of the supplier and not involving the supplier’s fault or negligence and not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonable practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

10. TERMINATION FOR INSOLVENCY

The Purchaser may at any time terminate the Contract by giving written notice to the Supplier, without compensation to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or effect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.

11. APPLICABLE LAW

The contract shall be interpreted in accordance with the laws of the Union of India.

WARRANTY CERTIFICATE

We warrant that every thing to be supplied by us hereunder shall be brand new, free from all defects and faults in material workmanship and manufacture and shall be of the highest grade and quality and consistent with the established and generally accepted standards for material of the type ordered, shall be in full conformity with the specifications/drawings of samples if any and shall operate properly. We shall be fully responsible for its efficient operation.

In case of any latent defect or inconsistency due to poor manufacturing/repair & overhaul of the equipment/instrument, or defective supply not conforming to the specifications if observed at the time of final inspection and thereafter within 12 months form the date of acceptance, we undertake the guarantee to repair/supply free of cost the defective items upto the final destination and the inland expenses borne by the indenter, will be at our cost.

This warranty shall survive inspection and payment for and acceptance of the goods but shall expire (Except in respect of complaints of which the contractor has been notified prior to such date) twelve months after their successful acceptance by the purchaser.

SEAL of manufacturer/supplier Enterprises.

Signature

Name & Address of Manufacturer / Supplier

Dated _____

APPENDIX –IV

AGREEMENT

An agreement made _____ day of _____ between _____ (hereinafter called the contractor which expression shall include his legal representatives) of the one part and the Project Director, National Geotechnical Facility (hereinafter called purchaser) the under mentioned articles at cost mentioned against them viz.:-

Name of Articles	Qty.	Rate (Rs.)	Total Cost (Rs.)

And on the terms and conditions hereinafter mentioned viz:-

That all stores shall be delivered free of cost at consignee’s ware house at Hyderabad / Dehradun within six weeks from the date of supply order.

- (a) That all stores supplied shall be new and of good quality and in exact accordance with the sample submitted/equipment quoted and demo given. That the inspection of the stores shall be carried out by the Project Director himself or by a team of Officers deputed by him at the place mentioned in Para (a) above. The stores rejected must be removed by the contractor within a week from the date of rejection. All stores not accepted shall lie at the risk of the contractor, if not removed within the period specified above. The Project Director shall have the right to dispose of such stores as he thinks fit at the risk of the contractor and on his account or if he prefers to charge him rent for the space occupied by same.
- (b) That the time for delivery stated above shall be of the essence of the contract and should the contractor fail to deliver the whole/any part of the stores within the period specified in clause (a) Project Director, shall have the right to forfeit the deposit mentioned in clause (1) and to purchase the stores elsewhere which the contractor has failed to deliver as aforesaid at the expenses of the contractor and the contractor will be liable to pay such further sum as will be sufficient to meet the difference of cost between the rates tendered and those at which the purchases are actually made should they be higher. This is without prejudice to action being taken under clause (h) hereof.

- (c) That the Project Director, NGF shall have full power to reject the whole or any part of the stores which to the true intent and meaning is not in exact accordance with the approved sample and that his decision shall be final.
- (d) That the contractor will deposit a sum of Rs.10,00,000/- (Rupees Ten lakhs only) (10% value of order) as security for compliance with the terms and conditions of this contract in the shape of Bank Guarantee/FDR etc.
- (e) That the contractor will be entirely responsible for the execution of this contract and shall not assign or sub-let the same.
- (f) If the contractor becomes insolvent or he or his Agent offers any bribe in connection with their contract or the contractor fails to observe or perform any condition of this contract then notwithstanding any previous waiver of such default or action being taken under any other clause hereof the Project Director, NGF may on behalf of the Government terminate the contract and forfeit the said deposit and recover from the contractor any loss suffered by the Government on account of the contract being terminated.
- (g) The rates approved by the purchaser are final and no further payment will be done irrespective of any increase in Taxes etc. the contractor will have to bear the cost at his own. The purchaser will not be held responsible for such obligation.
- (h) The rates approved are inclusive of all prevailing taxes which are to be levied, any, non-inclusion of such amount/Tax will be the liability of contractor.
- (i) The goods received will be accepted only after receiving the satisfactory performance certificate from the joint inspection committee. (comprising representative of contractor and purchaser).
- (j) The Contractor will be full responsible for efficient operation of equipment for a period of 12 months of warranty from the date of acceptance. However, in case of equipment not working for maximum of 48 hours from the time of reporting to the contractor by the Project Director or his authorized representative he will be held responsible and equipment will be replaced by new one at the cost of contractor.
- (k) In case of any latent defect, which is noticed later on within a period of 24 months from the date of acceptance of equipment, the contractor will be responsible to undertake such repair/supply free of cost the defective part, at the final destination and inland expenses will also be borne by contractor.
- (l) If any dispute or difference shall arise including this contract the settlement of which is not hereinbefore provided for the same shall be referred to the arbitration of Project Director and if he is unable or unwilling to act as arbitrator to the arbitration, of any person nominated by him in writing and the decision of such arbitrator shall be final and binding on the parties to this contract.

Signed by the said contractor.....

In the presence of

1st Witness
Address

2nd Witness
Address

Signed by the said for and on behalf of the
President of India in the presence of
1st Witness
Address

2nd Witness
Address

BANK GUARANTEE BOND

In consideration of the President of India (hereinafter called “ the Government”) having agreed to exempt _____(hereinafter called “the said Contractor(s)” from the demand, under the terms and conditions of an Agreement dated _____ made between _____ and _____ for supply of Geo technical equipments as per the list enclosed (hereinafter called “the said Agreement”) of security deposit for the due fulfillment by the said contractors of the terms and conditions contained in the said Agreement, on production of a Bank Guarantee for Rs. _____ (Rupees _____ only). We, (indicate the name of the bank) _____-(hereinafter referred to as “the Bank”) at the request of _____ Contractor (s) do hereby undertake to pay to the Government an amount not exceeding Rs. _____ against any loss or damage caused to or suffered or would be caused to or suffered by the Government by reason of any breach by the said contractors) of any of the terms or conditions contained in the said Agreement.

2. We (indicate the name of the Bank) _____ do hereby undertake to pay the amount due and payable under this Guarantee without any demur, merely on a demand from the Government stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Government by reason of breach by the said Contractor’s) failure to perform the said Agreement. 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. _____.

3. We undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) supplier(s) in any suit or proceeding pending before any court or Tribunal relating thereto: our liability under this Guarantee being absolute and unequivocal.

The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment there under and the contractors) shall have no claim against us for making such payment.

4. We, (indicate the name of the Bank) _____ further, agree that the Guarantee herein contained shall remain in full force and effect 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 Government under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till _____ office/Department/Ministry of _____ certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor(s) and accordingly discharge this Guarantee. Unless a demand or claim under this Guarantee is made on us in writing on or before the _____ we shall be discharged from all liability under this Guarantee thereafter.

5. We, (indicate the name of the Bank) _____ further agree with the Government that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any 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 to postpone for anytime or from time to time any of the powers exercisable by the Government against the said contractors) and to forbear 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 or for any forbearance, act or commission on the part of the Government or any indulgency by the Government to the said contractor(s) or by 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)/Supplier(s).

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

Dated the _____ day of _____ for (indicate the name of the Bank)



**SURVEY OF INDIA
(Department of Science & Technology)
UPPAL, HYDERABAD
PIN 500039**

TENDER NOTICE

The Project Director, NGF, IISM campus, Survey of India, Uppal, Hyderabad, 500039 invites sealed tender up to 30-06-2010 (1200 hrs) to be opened on 30-06-2010 (1500 hrs) for the purchase of NGF Project.

Tender document for the supply of NGF Project can be obtained after Publication of the Advertisement from the Project Director, NGF, IISM campus, Survey of India, Uppal, Hyderabad on payment of Rs. 10000/- in the shape of Bank Draft in favour of **the Project Director, NGF** on any working day (Monday to Friday) up to 30-06-2010 (1100 hrs) .

Tender document will be available in the Survey of India **Website** www.surveyofindia.gov.in/www.soisti.ap.nic.in/www.dst.gov.in The tenderers who will download tender document from S.O.I. website must submit, Bank Draft of Rs. 10000/- in favour of **Project Director, NGF** at the time of submission of tenders, failing which their tenders will not be considered.

Pre bid conference will be held on 11-06-2010 (1200 hrs) at the conference room of Project Director, NGF, IISM Campus, Survey of India, Uppal, Hyderabad.