CSIR-NGRI

CSIR – National Geophysical Research Institute

TENDER DOCUMENT

Tender No.55(2)2018-Pur/T-48

Dated November 13, 2018

Wireline Core Drilling and Casing (Steel) of borehole for Geophysical-Seismological measurements in Hard-rock terrain in the Koyna-Warna region, Maharashtra, India.

Uppal Road,
Hyderabad – 500 007
Tel: 0091 40 27012887
27012486
Fax: 0091 40 27171564
e-mail: purchase@ngri.res.in

CSIR – NATIONAL GEOPHYSICAL RESEARCH INSTITUTE

(Council of Scientific and Industrial Research)

UPPAL ROAD, HYDERABAD – 500 007, INDIA

Telephone No:+91-40-27012887/27012486, Fax: +91-40-27171564, email: purchase@ngri.res.in

No. 55(122018-Pur/T-48 **13-11-2018**

NOTICE INVITING TENDER THROUGH e-PROCUREMENT

Sub: Providing Wireline Core Drilling, Casing (Steel) – Reg.

Director, CSIR-NGRI, invites sealed bids in Two Parts (Part -I Techno Commercial un-priced & Part - II Priced bid), for providing the following services from indigenous sources only through e-procurement (etenders.gov.in)

Sl. No.	Description of Service	Qty	Single/ Two bid	Bid Security (EMD)
1)	**Wireline Core Drilling and Casing (Steel) of 1500m Vertical borehole for Geophysical - Seismological measurements in Hard- rock terrain in the Koyna-Warna region, Maharashtra, India.**	As per the details furnished under Scope of work	Two Bid	INR 4.000 lakhs (Rupees Four lakhs)

Pre-Bid Conference – mandatory for bidders - will be held at CSIR-NGRI on 26-11-2018 at 10.30 a.m. at e-class Room, Main Building, CSIR-NGRI, Uppal Road, Hyderabad - 500 007

The Bids have to be submitted only after Pre-Bid conference scheduled for 26-11-2018, and after noting the Pre-Bid Conference minutes, which will be hosted in NGRI Website: www.ngri.org.in (under tenders column)

The Part- I Techno commercial un-priced bid should accompany certified copy of the EMD as indicated above and as per conditions detailed vide Clause No. 8 of the Tender.. The bids must be submitted through e-procurement (https://etenders.gov.in) **on or before 3.30 P.M on 10/12/2018 and the same shall be opened on next day at 3.30 P.M. on 11/12/2018.**

The Bid security should be submitted in its original form, to the following address on or before the bid submission time:

The Controller of Stores & Purchase
CSIR-National Geophysical Research Institute,
Uppal Road, Hyderabad – 500 007,India.
Tel: 0091 40 27012887 / 27012486 -Fax: 0091 40 27171564, e-mail: purchase@ngri.res.in

And scanned copy of Bid Security should be submitted along with (Technical Bid – Part –I) Techno-commercial un-priced bids will be opened in the presence of Bidders' representatives who choose to attend on the specified date and time.

The Director, CSIR-NGRI reserves the right to accept or reject any or all tenders either in part or in full or to split the order without assigning any reasons there for.

SCHEDULE OF PROCUREMENT

Date of issue of Tender : 12/11/2018
Date of opening of Tenders : 11/12/2018 (Part-I)
Date of Placement of P.O. / Issue of Contract : 31/12/2018

(S.GNANAPRAKASAM)
- **Controller of Stores & Purchase**

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INSTRUCTIONS TO BIDDERS

1.0 CSIR-National Geophysical Research Institute (CSIR-NGRI), a premier research institute under Council of Scientific and Industrial Research (CSIR) undertaking R&D work in Earth Sciences in different parts of India, proposes to carry **out Wireline Core Drilling, Casing (steel) of 1500m Vertical borehole for Geophysical - Seismological measurements in hard rock terrain in the Koyna-Warna region, Maharashtra, India,**

1.1 Accordingly, National Geophysical Research Institute (CSIR-NGRI), Hyderabad now invites bids under **Two Part Bidding system** (**Part-I** -**Techno-Commercial Bid** and **Part – II**- **Commercial Bid**) from reputed and experienced firms.

2.0 BID DOCUMENTS

2.1 The Bidder shall comply fully with the instructions contained in this Bid document. The bidder is expected to examine all instructions, sections, terms and conditions, specifications etc. In the bid documents. Failure to furnish all information, data as required by the bid documents or submission of a bid not substantially responsive to the bid documents in every respect will be at bidder's risk and may result in the rejection of their bid.

2.2 Bidders shall bear all costs associated with the preparation and submission of bid etc. CSIR NGRI will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

The benefits as per MSME guidelines as per the Government of India notifications shall be extended.

3.0 EXPERIENCE OF THE BIDDER AND HIS PERSONNEL:

<u>Qualification criteria</u>:

3.1 The Bidder as a Company / Joint venture Company (Joint Venture should have been formed before date of bid submission) should have proven capabilities in execution of Wireline Core drilling including:

A. Experience in at least one vertical wireline core drilling in hard rock terrain in NQ or equivalent sizes to depth of 1200 m and HQ drilling in hard rock terrain upto depths of 500 m in the last 5 years – Experience in only inclined drilling will not be considered.

B. Availability of deviation measuring tool (ACT tool or equivalent) and experience in deviation measurements is to be submitted.

Documentary evidence in support of each of above points must be accompanied with Technical Bid for further consideration and evaluation

In order to establish the eligibility criteria, the bidder should possess the above experience as on the date of bid submission.

3.2 The following documents also should be up-loaded along with the Bid.

a) The Bid document duly signed on each page as token of having accepted the terms and conditions of the Bid Documents. Proof of experience should be submitted along with techno-commercial (Un priced) bid.

b) Where the Tender is made by a Joint Venture (or) Consortium, the Tender shall specifically indicate the members of the Joint Venture (or) Consortium by whom and/or on whose behalf the Tender is being made and shall indicate with reference to each whether such member contributes directly to the work or not and, if, so, to

what extent he contributes to the said work. In the event of a person/firm who is not a member of the said Joint Venture (or) Consortium, details of mane and address of such person/firm and shall be accompanied by valid proof of authority drawn in favour of Joint Venture (or) Consortium to bind such person/firm.

- The tender shall be signed so as to be legally binding on all partners;
- The tender shall include a copy of the agreement entered into by the Joint Venture (or) Consortium partners defining the division of assignments to each partner and establishing that all partners shall be joints and severally liable for the execution of the Contract in accordance with the Contract terms.
- One of the partners shall be nominated as Lead Member, authorized to incur liabilities, and receive instructions for and on behalf of any and all partners of the Joint Venture (or) Consortium and
- The execution of entire contract, including payment, shall be done exclusively with the Lead Member
- The qualifications of each of the partners of a Joint Venture (or) Consortium shall be added together to determine the compliance with the minimum qualifying / eligibility criteria
- Each tenderer shall submit only one Bid, either individually or as a consortium. A bidder who submits or participates in more than one Bid will cause all the proposals with the Bidder's participation to be disqualified.
- In case of Joint Venture (or) Consortium, the past experience of each partner in the area of work for which they assume responsibility in this tender must be clearly stated with supporting documents.

c) Descriptive literature of the bidder's constitution, experience and past performance on similar jobs and capabilities of the personnel.

d) Technical details as per Bid Document.

(i) Details of Rig with ownership details.
(ii) Details deviation measurement tool.

e) Bidders are required to submit EMD as per Clause 8.

f) Bidder should submit their insolvency certificate duly obtained from their Bankers.

g) Any other information/details as required under Bid Document.

h) Deviation Statement form duly signed.

GENERAL

4.0 Bidders shall clearly indicate their legal constitution and person signing the Bid shall state his capacity as also the source of his authority to bind the Bidder. The power of Attorney or Authorization or any other document constituting adequate proof of the powers of the signatory to bind the bidder shall be annexed to the Bid. NGRI will reject outright any Bid unsupported by adequate proof of the signatory's authority.

4.1 The Bidder shall sign his proposal with the exact name of the firm to whom the contract is to be awarded. Executive of the Bidder's organization stating his rank/designation, enclosing a copy of his Power of Attorney to sign the Bid, shall duly sign the Bid.

4.2 Bidders are required to indicate the type and quantity of equipment and list of personnel

qualifications & their experience to be deployed for the services to be rendered by them against this contract.

Bidder should submit their detailed time schedule within **two weeks** of the issuance of Contract, so as to complete the job of drilling and related work as per scope of work within the stipulated time.

4.3 Relationship with NGRI.

The bidder shall declare in writing that neither he nor any of his associates is in any way related to any Officer of the rank of Under Secretary or above in CSIR/Laboratories. NGRI may decide not to deal with such firms who fail to comply with the above advice.

4.4 Canvassing in connection with the bid is strictly prohibited and the bid submitted by the successful bidder who resorts to canvassing will be liable for rejection.

4.5 **Site Visit, Local condition etc**: **Site visit by bidder before attending the pre-bid conference is mandatory, considering the location of the area where drilling is to be undertaken.**

The site visit is scheduled from 17/11/0218 to 21/11/2018.
Contact details for site visit.: Dr. D. Shashidhar, Mob. No. 9849464688
Dr. K. Arora, Mob. No. 9866234680

However, the firms who have visited the site against our earlier tender are exempted from site visit.

a. The bidder is advised to visit and examine the site of works and its surroundings and obtain for himself on his own responsibility, all information that may be necessary for preparing the bid and entering in to contract. The visit to the site shall be at the bidder's own risk and expense.

b. Failure to study the bidding documents will in no way relieve the successful bidder from furnishing any material or performing all works in accordance with the bidding documents, as a lump sum contract.

c. It will be imperative for each bidder to fully inform himself of all local conditions and factors which may have any effect on the execution of the contract as described in the bidding document in their own interest.

d. It is the responsibility of the bidder that such factors have properly been investigated and considered while submitting the bid proposals and that no claim whatsoever including those for financial adjustments to the contract awarded under the bidding documents will be entertained by NGRI and that neither any change in the time schedule of the contract nor any financial adjustments arising thereof shall be permitted by NGRI.

4.6 **Pre-bid conference** will be held on **26/11/2018 – 10.30 a.m**. (IST) at CSIR-NGRI and **it is mandatory for bidders** to attend the same. Any doubt regarding the bid will be clarified at the Pre-bid meeting. Bidders desirous of attending the Pre-Bid Conference are requested to inform the 'Purchaser' regarding their participation with their queries. Queries if any, on the bid document should be sent by email to purchase@ngri.res.in on or before **24/11/2018.**

The Conference will be held as per details given below:

Date & Time	**:**	**26/11/2018 - 10.30 a.m (IST)**
Venue	**:**	**e-class Room, Main Building CSIR-NGRI, Uppal Road Hyderabad - 500 007**

The response will be given by CSIR-NGRI during Pre-Bid Conference and will also be hosted on the website for benefit of other prospective bidders.

Should the Purchaser deem it necessary to amend the Bidding Documents as a result of a clarification or on his own, it shall do so following the procedure under *clause* relating to amendment of Bidding documents and Clause relating to Deadline for Submission of Bids. The clarifications and amendments issued would also be hosted on the website of the purchaser for the benefit of the other prospective bidders.

5.0 INSTRUCTIONS FOR FILLING BIDS

5.1 Bid document shall be filled complete in all respects and shall be submitted together with requisite information. It shall be complete and free from any ambiguity, changes or interlineations

5.2 The Bidder's Bid and any annotation or accompanying documentation shall be in English Language.

5.3 No clarifications shall be sought after opening of techno-commercial bids. Conditional bids indicating exceptions/deviations to bid conditions will be summarily rejected.

5.4 The bidders who are capable to take up the work shall submit the bids. Bidders should quote a FIRM PRICE and they shall be bound to keep this price firm and without any escalation for any reason whatsoever, until the completion of the contract period.

5.5 No correspondence after opening of Bid will be entertained from the Bidder. However, if NGRI seeks any clarifications with respect to the bid the same is to be complied with.

5.6 Bid from Bidders not complying with the above instructions can be summarily rejected.

5.7 NGRI shall not be responsible for any cost or expense incurred by any bidder in connection with his bidding against this bid and loss of bids in post/courier, regardless of the conduct or outcome of the bidding process.

6. VALIDITY OF BID

6.1 The bid must be kept valid for acceptance for 90 days from the date of closure of bid. Validity of bid can be extended by mutual consent

7. AREAS OF OPERATION AND SCOPE OF WORK

7.1 Area of work in the form of a Map and the detailed scope of work are as given separately elsewhere in the bid document.

8. EARNEST MONEY DEPOSIT (EMD)

a) Bidders are required to submit EMD valid for **135 days** from the date of opening of bid for an amount of **Rs.4,00,000/-** (Rupees Four lakhs only)

b) EMD can be in the form of a DD drawn in favor of NGRI, payable at Hyderabad.

c) In case, the bidder chooses to submit bank guarantee, it should be strictly as per proforma attached from a Nationalized / Scheduled Bank.

d) In lieu of EMD, bidders can submit Bid securing declaration (as per format enclosed) accepting that if they withdraw or modify their Bids during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document, they will be suspended for the period of Two years.

e) The firms registered with DGS&D, NSIC, MSME, Govt. Public Undertakings, Central Autonomous Bodies and with the CSIR Labs./Instts, if any, are exempted from payment of EMD provided such registration includes the services they are offering and is valid on the date of opening of the bids. A copy of such Registration should be submitted along with the bid. If required, CSIR-NGRI can ask for the original copy to be shown to the competent Authority for verification.

8.1 The successful bidder is required to extend the validity of the EMD for a further period till the formal contract is signed and performance bank guarantee is submitted.

8.2 Bids not accompanied by Earnest Money Deposit as mentioned above will be summarily rejected.

8.3 The EMD of unsuccessful Bidders will be returned within 15 days from the date of signing of contract.

8.4 EMD shall be forfeited in the following events:

a) If the Bid is withdrawn or modified or varied in a manner not acceptable to NGRI during the Bid Validity period or any extension thereof.
b) If a successful Bidder fails to sign the contract.
c) If a successful Bidder fails to furnish Performance Bank Guarantee within 10 days of signing of contract.

8.6 **The bid security should be submitted in its original form, to the following address on or before the bid submission time:**

The Controller of Stores & Purchase
CSIR-National Geophysical Research Institute,
Uppal Road, Hyderabad – 500 007,India.
Tel: 0091 40 27012887 / 27012486 -Fax: 0091 40 27171564
e-mail: purchase@ngri.res.in

And scanned copy of Bid Security should be submitted along with e-bid. (Technical Bid – Part –I)

9. RIGHT TO REJECT

NGRI reserves the right to reject any or all bids without assigning any reason whatsoever. NGRI also reserves the right to cancel this bid at any stage without assigning any reason whatsoever.

10. AUTHORISATION

Bidders are at liberty to be present or to authorise their representative at the time of opening of Bid on the date specified. A letter of authorisation along with the bid document must be forwarded to Director, NGRI. The person attending the opening of Bid must produce a copy of this letter in the office. Unless he presents this letter, he may not be allowed to attend the opening of Bid.

11. **PERFORMANCE BANK GUARANTEE:**

The successful bidder will have to furnish to NGRI, a Performance Bank Guarantee for a sum equivalent to **10% of contract value** from a Nationalized/ Scheduled bank as per proforma enclosed, This Bank Guarantee shall be valid up to 120 days beyond the date of completion of the contract. It shall be submitted within 10 days of signing of contract.

12. **GENERAL CONDITIONS**

1. In case of an unscheduled holiday on the prescribed closing/opening day of the bid, the next working day will be treated as schedule prescribed day of closing/opening of the bid.

2. This bid being under two bid systems, only the techno-commercial bids will be opened on the opening date indicated. Price bids of the short listed bidders will be opened at a later date under intimation to technically shortlisted bidders.

3. The successful bidder shall conform to all laws including labor laws (Labour registration etc.,) of the State/Central Government. The successful bidder shall indemnify NGRI for any breach of laws committed by him. The successful bidder shall take adequate measures to ensure continuous and unhindered output of work.

   The contractor shall provide and be responsible for payment of wages at prevailing rates, and provide necessary proof to CSIR-NGRI for the payment made to their workmen, payment of salaries, bonus, social charges, insurance, food accommodation and medical treatment, etc. to his employees as per the applicable laws as are in force from time to time in India. A proper record of the payment made to the workers by the contractor should be maintained.

   The contractor shall pay the wages directly to the workmen without any intermediary.

4. Any expenditure incurred by NGRI on behalf of the successful bidder who is under an obligation to bear the expenditure as per the relevant law shall be recovered by NGRI from the successful bidder either by deduction from an amount payable to the successful bidder under the contract or as a debt payable by the successful bidder.

5. The successful bidder will be required to maintain medical aid facilities, primarily for the Provision of first aid, supply of preventive medication for common types of illness, etc. and any requirement for Hospitalization or further medical treatment of his employees.

6. The successful bidder at his own cost shall be responsible for workmen's compensation, insurance, public liability insurance to cover injury or death resulting from the use of explosives, automobile liability insurance, etc. and any other liability / protections provided for under the applicable laws, in this respect that are in force from time to time. The successful bidder must provide NGRI with proof of such coverage and in particular regarding insurance under Workmen's Compensation Act 1923, ESI act 1956.Successful bidder should be registered under EPF and Miscellaneous Provision Act 1952. Successful bidder should abide by EPF Act 1952, Workmen Compensation Act 1923, ESI Act 1956, Contract Labour Act 1970 and Interstate Migrant Workmen Act.

7. The successful bidder will be solely responsible for the welfare of his employees. He will have no claim against NGRI for any injury or death of his employees. He will have no claim against NGRI for any injury or death of his employees whatever be the cause. Public liability claims against his employees will be his sole responsibility. He shall provide satisfactory proof to NGRI that EPF and ESI contribution has been remitted to the concerned authorities for his employees for each billing of the month. Successful bidder shall indemnify NGRI from any claim in future.

8. The NGRI shall be at liberty and is hereby empowered to deduct the amount of any damage, compensation cost, charges and expenses arising or occurring from or in respect of any such claims or damages from any sum or sums due or to become due to the successful bidder.

9. The Successful bidder will acquire requisite statutory licenses including, labour license before commencing the work and also should ensure that all laws such as work men's compensation, Family Pension Scheme, Payment of Bonus, Contract Labour Act. 1970.

10. The Successful bidder should ensure that Safety and security regulations strictly adhered to as per Govt. of India norms. Bidder should provide for all the participating crew members, necessary safety kits like shoes, helmets and winter cloths etc. All vehicles, camps and field crews should carry first aid kits.

11. Area of work falls under Koyna-Warna Region, Maharashtra, India. However as investigations will be carried out by the side of Reserve Forest area bidder should take all precautions so that no environmental damage is caused due to their activity. It should be noted that Forest Department will not permit cutting of trees.

12. The Bidder should possess all requisite licenses, registrations etc., and the same should be obtained invariably before transacting business.

13. The Director, CSIR-NGRI shall be responsible for notifying authorities concerned in the drilling area the local vicinity of the physical extent, commencement date & duration of drilling. The Contractor shall assume all liabilities of whatever nature including damages, demands, proceedings and causes of action and liabilities arising out of or in connection with such claims, where such claims result from injury or damage caused on the impact of his equipment of it on such property, livestock or other animals or due to any willful or grossly negligent act or omission on the part of the Contractor or it employees or agents.

14. Core drilling rigs along with an experienced crew should be deployed in the area. The rigs must be capable of drilling to the desired depths in hard rock condition.

15. On acceptance of the contract, CSIR-NGRI will provide borehole location. The Director, CSIR-NGRI or his representative, however, reserves the right to modify the drilling plan during the operation of the contract based on the results of drilling but confining the drilling within the areas specified. The changes in the location and depth of the boreholes will, however be notified to the drilling agency well in advance in order to avoid delay in preparation of the borehole sites and to provide sufficient time for shifting of the rigs and other materials.

16. Drilling shall normally conform to the standards given in the Table. However, considering the lithology, structure of the rock and in-hole conditions, the standards on core recovery, deviation and drift may be assessed as per site conditions by NGRI personnel.

17. The contractor/drilling agency should make efforts and exercise due caution during the course of drilling so as to obtain at least 90% overall core recovery. On completion of every run, the core should be placed in the core boxes to be supplied by contractor properly marked as per the guidelines provided by the CSIR-NGRI representative on-site. CSIR-NGRI shall arrange to take over the filled core boxes at the drill site. The contractor/drilling agency shall be responsible for upkeep and safety of core boxes till closure of the concerned borehole.

18. The contractor should be adequately equipped with regard to all drilling inventory such as casing, rods, bits etc. of appropriate requirement.

19. The contractor shall have to abide by the restrictions imposed by the Forest department where the proposed drilling area falls under forest area.

20. The borehole opening should be covered by a concrete/GI protective structure with the borehole number engraved on it before removing the Rig from the borehole point. This is to ensure that the borehole is safeguarded for scientific measurements and monitoring for several years.

21. The drilling agency/Contractor will be responsible to access the site and for choosing/selecting a suitable area for establishing their camp close to the operational area and also to arrange themselves land required for drilling operations by negotiating with the land owners and local revenue authorities, as per requirement at their own cost. No compensation is separately payable by CSIR-NGRI.

22. The Drilling agency/Contractor is responsible for locating suitable water sources for drilling and drinking purposes.

23. Movement of men and equipment of the drilling agency in the operational area is permitted to the extent necessary for carrying out the drilling operations. However, the persons so permitted are expected to maintain proper discipline in the drilling camps. The drilling operations/data generated should be kept strictly confidential. Due to the presence of several villages nearby, drilling at night would not be permissible.

24. **Mobilization Period:** Mobilisation means the deployment of requisite crew & equipment, establishment of camp by the successful bidder. Mobilisation period allowed is maximum 15 days from the date of award of work.

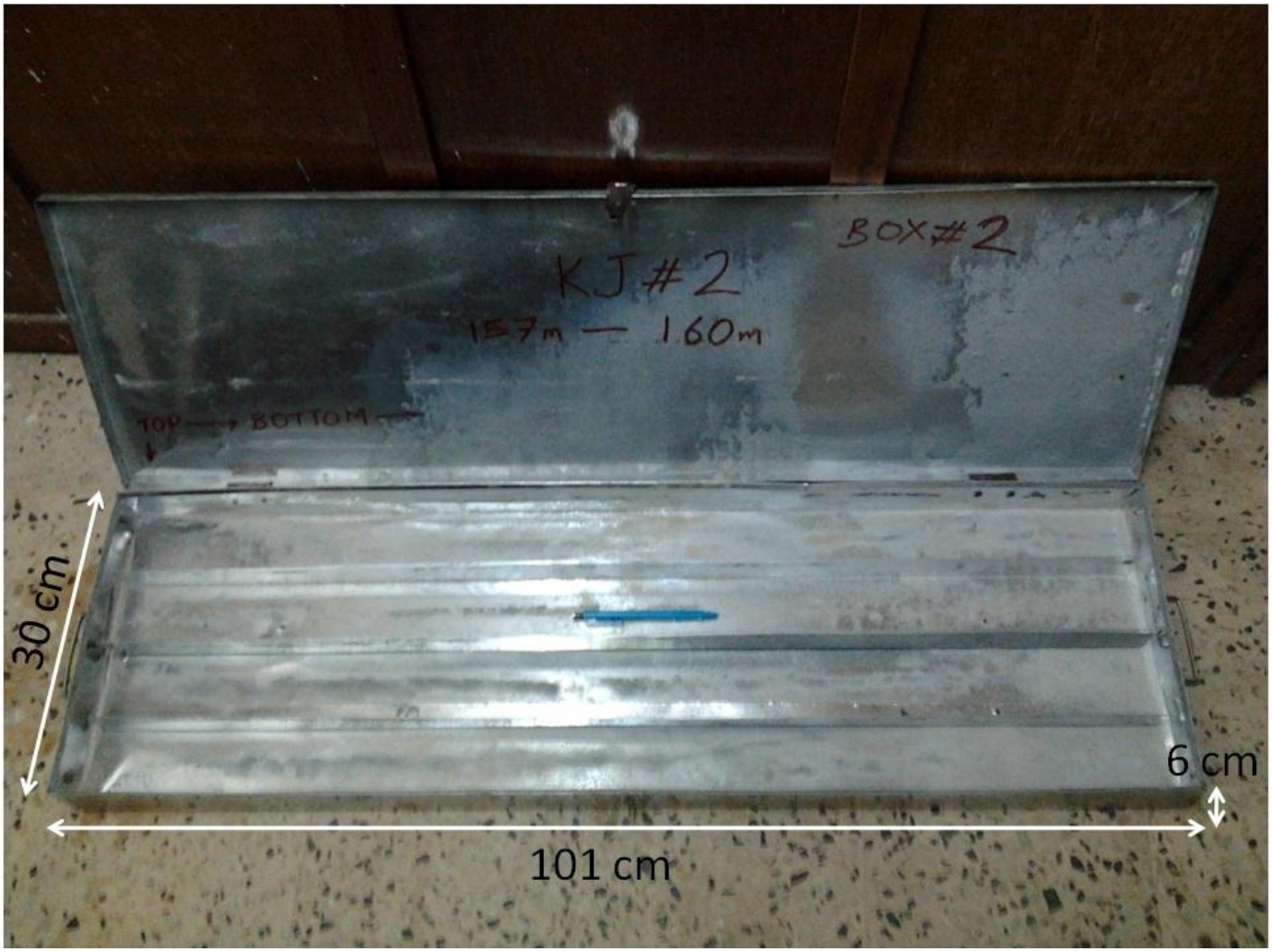
25. Time Schedule work: Within 4 ½ months from the date of Mobilizaiton.

SCOPE OF WORK

Sl. No.	Name of the Item	Qty.
1.	**Wireline Core Drilling and Casing (steel) of 1500 m vertical borehole for Geophysical-Seismological measurements in Hard-rock terrain in the Koyna-Warna region, Maharashtra, India."**	**1 No.**

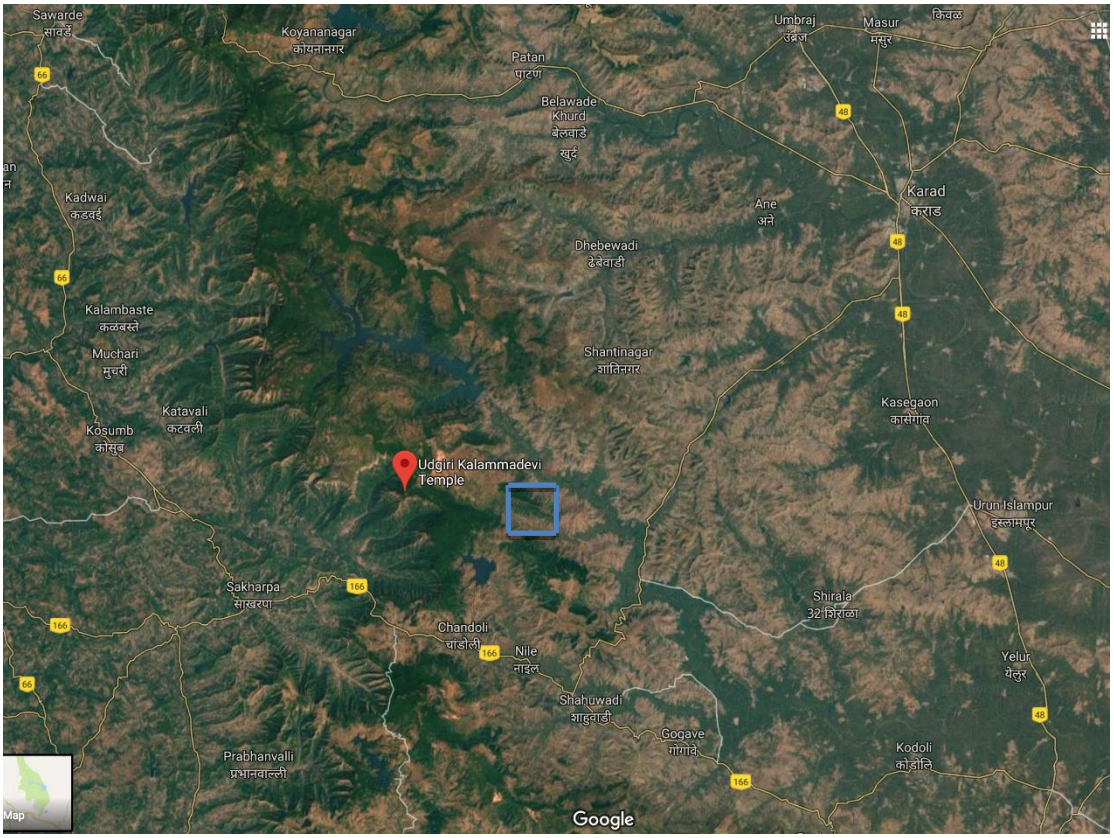
S. No.	Job Description / Requirements
1.	Scope of Work Vertical Drilling and casing of 1500 m single borehole in Koyna-Warna region, Maharashtra, location provided in map
2.	Type of Drilling Wireline core drilling with 90% core recovery Relaxation of core recovery stipulations will be considered by NGRI representative at site depending on formation characteristics encountered
3.	Size of borehole Combination of PQ , HQ, NQ size and commensurate casing
4.	Depth of borehole ~ 1500 m +/- 100 m: PQ – 150 m HQ – 1100 m NQ – 250 m +/- 100 m The final depth of borehole which may be accepted with 20% variation in aforementioned values, after reaching the basement below the basalt and based on formation problems certified by CSIR-NGRI representative.
5.	Casing of borehole HX – 150 m NX – 1250 m NQ part of the borehole will remain open
6.	Inclination of borehole: Vertical borehole
7.	Deviation: Deviation in the borehole angle cannot exceed 5° over the entire length of the borehole.

	Deviation measurements will be conducted by Contractor by Deviation tool for every 12 m; in case borehole deviates beyond acceptable limits, the same will be corrected by Contractor without extra charge; in case of severe departure from vertical, fresh borehole may need to be drilled without any extra cost. Proof of availability of deviation measuring tool (ACT tool or equivalent) and experience in deviation measurements is to be submitted Needs to be vertical for installation of borehole seismometer at the bottom
8.	Rock formations to be drilled The top ~ 1000 m is basalt formation, bottom 500 m will be granite-gneiss As per past experience, some runs of clay may be expected. Provisions for reaming, grouting, cementation to be made available in case of requirement as per formation conditions.
9.	Site conditions On the Deccan Plateau at the edge of the Western Ghats with elevation about 1000 m, near the southern edge of the Chandoli Tiger Reserve Forest, ~ 8 km (as crow flies) south of the Warna dam. Can be approached from the south east along the NH 166 and then through local roads The selected site is located on government-forest owned land and CSIR-NGRI has acquired the permissions to drill for a period of 2-3 months and will be responsible for access to site. Several temples and villages exist in the area, drilling at night may not be permissible.
10.	Rig One surface wireline core drilling rig of required capacity to drill in hard rock terrain upto above mentioned depths need to be deployed.
11.	Well logging and hydrology measurements and water sampling will be made by NGRI scientists in two stages during the drilling, as decided by onsite NGRI representative. About 10 days will be required for the measurements each time, which period needs to be included in the schedule of the drilling program.
12	Cores have to be stored in core boxes of 20 gauge GI sheets for safe transportation and medium term storage. Box sample provided for information.



Sample GI Core Box

Khundalapur
Mandur
Ukhalu
Udgiri
Google Earth
Image © 2018 CNES / Airbus
Image © 2018 DigitalGlobe
© 2018 Google
6 km
N


Sawarde
सावर्डे
Koyananagar
कोयनानगर
Patan
पाटण
Umbraj
उंब्रज
Masur
मसूर
किवळ
Belawade
Khurd
बेलवाडे
खुर्द
Kadwai
कडवई
Ane
अने
Karad
कराड
Dhebewadi
ढेबेवाडी
Kalambaste
कळंबस्ते
Muchari
मुचरी
Shantinagar
शांतिनगर
Kasegaon
कासेगांव
Katavali
कटवली
Kosumb
कोसुंब
Udgiri Kalammadevi
Temple
Urun Islampur
इस्लामपूर
Sakharpa
साखरपा
Shirala
32 शिराळा
Chandoli
चांडोली
Nile
नाइले
Yelur
येलुर
Shahuwadi
शाहुवाडी
Gogave
गोगावे
Kodoli
कोडोलि
Prabhanvalli
प्रभानवाल्ली
Map
Google

PRICE BID - SCHEDULE OF RATES – Offer by Bidder

Sl. No.	Item	Length	Rate per PM / Hr (in Rs.)	Total (in Rs.)
1.	**Wireline Core Drilling and Casing (steel) of 1500 m vertical borehole for Geophysical-Seismological measurements in Hard- rock terrain in the Koyna-Warna region, Maharashtra, India.**	**PQ drill** - 150 M		
		HQ drill - 1100 M		
		NQ drill – 250 M		
2.	Casing	**HX – 150 M**		
		NX – 1250 M		
3.	GST			
	Total 1+2+3			
	Total cost (inclusive of GST)			

BID EVALUATION CRITERIA

PARTICULARS	COMPLIED AND ACCEPTED / NOT ACCEPTED/ NOT APPLICABLE
A. TECHNICAL: The following conditions should be complied with in toto, failing which the bid will be rejected. The Bidder as a Company / Joint venture Company (Joint Venture should have been formed before tender date) should have proven capabilities in execution of Wireline Core drilling including: a. Experience in at least one vertical wireline core drilling in hard rock terrain in NQ or equivalent sizes to depth of 1200 m and HQ drilling in hard rock terrain upto depths of 500 m in the last 5 years – Experience in only inclined drilling will not be considered. b. Availability of deviation measuring tool (ACT tool or equivalent) and experience in deviation measurements is to be submitted. c. Point wise confirmation - with details / documents - on carrying out of scope of work Documentary evidence in support of each of above points must be accompanied with Technical Bid for further consideration and evaluation	
B. COMMERCIAL **The lowest evaluated bidder as per the total price quoted as per the schedule of rates.**	

GENERAL CONDITIONS OF CONTRACT

1. ADDRESS

1.1 For the purpose of this Contract, the addresses of the contracting parties will be as follows and all correspondences and notices in relation to the present contract sent to the parties to the addresses mentioned below shall be deemed to be sufficient for serving of Notices on the parties concerned.

Controller of Stores & Purchase
CSIR-National Geophysical Research Institute
Uppal Road, Hyderabad-500 007, A.P. Inida

Phone: 91 40 2701 2887 / 2701 2486
Fax: 91 40 2717 1564
e-mail: purchase@ngri.res.in

1.2 CSIR-NGRI reserves the right to change the period, to instruct the contractor in respect of starting and closing of contract operation. CSIR-NGRI will not be responsible for any compensation whatsoever on this account.

1.3 Mobilisation Period:

Mobilisation means the deployment of requisite crew & equipment, establishment of camp by the contractor.

Mobilisation period allowed is maximum 2 **weeks** from the date of issue of Contract by CSIR-NGRI. Certificate of Mobilisation jointly signed by CSIR-NGRI authorized representative and contractor shall be the proof of Mobilisation.

1.4 **Contract Execution period: Drilling** should be done sequentially within a total **period of 4 ½ months** from the date of award of contract, excluding the mobilization period.

1.5 **Borehole completion:**

The borehole will be considered to be complete when the required depth is drilled and cored, cores are delivered in core boxes and all geophysical pumping and measurements by NGRI are completed.

2. WORK PERFORMANCE STANDARDS:

As detailed in the terms of reference/scope of work.

2.1 CSIR-NGRI Party Chief is empowered to declare the areas logistically difficult for drilling, as the case may be at any time of the operations during the field season in connection with the improvement of data, by reasons of exceptionally inclement weather, by reasons of any proceedings taken or threatened by or of dispute with adjoining owner or public properties, for any other reason which is beyond the control of the contractor, and unforeseen circumstances.

3. DRILLING METREAGE

3.1 In all matters regarding acceptance of metreage drilled, the decision of the CSIR-NGRI Party Chief or his representative shall be final and binding on the Contractor.

3.2 The contractor is liable to pay any compensation, damages or payment of whatsoever nature if CSIR-NGRI is not in a position to accept the entire number of holes on any day due to any reason whatsoever .

4. RATES, TERMS AND MODE OF PAYMENT

4.1 RATES

CSIR-NGRI will pay to the Contractor for **each meter** of the accepted metreage of holes on per metre basis. **No other charges will be payable separately by CSIR-NGRI**.

4.2 MODE OF PAYMENT

100% Payment will be released on completion of contractual works. .

(a) Payment will be made within 30 days from the date of receipt of Invoice at CSIR-NGRI, Hyderabad, subject to certification of satisfactory service and acceptance by NGRI's Party Chief / Project Leader. Payment for accepted records and undisputed bills will be made by Director, CSIR-NGRI, Hyderabad will be directly transferred to his account electronically through e-payment mode. Any delay in payment on any account will not make CSIR-NGRI liable to pay any interest, under any circumstances. Disputed bills will be returned to the contractor.

(b) CSIR-NGRI Party Chief, will certify the accepted metreage.

(c) Contractor will raise the bills in the name of Director, CSIR-NGRI, Hyderabad-500007.

(d) The contractor shall certify on the body of every bill that his employees are paid minimum wages not less than those prescribed by law.

(e) The contractor at his **own cost** be responsible for workmen's compensation, insurance, public liability insurance to cover injury or death resulting from the use of explosives, automobile liability insurance, etc. and any other liability/protections provided for under the applicable laws, in this respect that are in force from time to time. The contractor must provide CSIR-NGRI with proof of such coverage and in particular regarding insurance under Workmen's Compensation Act, 1923 and ESI Act, 1956. He should be registered under Employees PF and Miscellaneous Provision Act, 1952.

4.3 COMPENSATION FOR PUBLIC PROPERTY

Compensation for damages, if any, such as damages to crops during drilling or as a result of conduct of drilling job services and/or movement of his employees and equipment along the line/profile will be **contractor's sole responsibility**.

FIRM RATES & CURRENCY OF PAYMENT

4.4 The rates payable under this contract herein above shall remain **firm** throughout the period of the contract and no escalation shall be allowed under any circumstances.

4.5 All payments to the contractor under this contract shall be made only in Indian Rupees.

5 TAXES

The contractor shall be responsible to pay all statutory taxes and duties, etc. such as corporate tax, service tax, income tax, turnover tax, sales tax, excise duty, etc., leviable on them and their employees including sub-contractors, if any, under the Indian income tax laws or any other laws enacted by the Central or State Govt. on account of payments received by them under this contract. **Contractor shall maintain all relevant records** pertaining to the taxes and submit the same before tax or other authorities and to CSIR-NGRI as and when required.

TDS will be deducted as per Clause No.194(J) of TDS Rules.

6 IQUIDATED DAMAGES FOR DELAY IN MOBILISATION & INSUFFICIENT PROGRESS OF WORK.

6.1 After issuance of Contract by CSIR-NGRI, the contractor should initiate Mobilisation. In case the contractor fails to mobilize and start his work within the prescribed time for mobilization, from the date of issue of Contract, liquidated damages at the rate of **0.5%** of contract price **per week** or part thereof for such delay will be levied. This L/D however will not exceed **10%** of the total contract value. This will apply even though the contractor is allowed to mobilize **after 2 weeks** due to reasons acceptable to the CSIR-NGRI.

6.2 Liquidated damages are applicable in similar way for insufficient progress of work and also non completion of work **within 4 ½ months** from the date of award of contract, excluding period of mobilization..

6.3 The parties agree that LD is a genuine pre estimate of loss/damage which is suffered on account of delay/breach on the part of the contractor and the said amount is payable by the contractor without any demur.

6.4 **Any decision of Director, CSIR-NGRI, on LIQUIDATED DAMAGES will be final and binding on the Contractor.**

7. FORCE MAJEURE

Neither party shall be held responsible for non-fulfillment of their respective obligations under this agreement due to the exigency of one or more of the force majeure events such as but not limited to Acts of God, war, flood, earthquakes, strike, lockouts, epidemics, riots, civil commotion etc. provided on the occurrence and cessation of any such events, the party affected thereby shall give a notice in writing to the other party within one week of such occurrence or cessation. If the force-majeure conditions continue beyond two weeks, the parties shall then mutually decide about the future course of action.

In the event of either party being rendered unable by Force Majeure to perform any obligation required to be performed by them under the contract, the relative obligation of the party affected by such Force Majeure shall upon notification to the other party be suspended for the period during which such cause lasts.

Unrest / strike by shot hole drilling contractor's personnel and/of Seismic job services personnel shall not be construed as force majeure.

8. OTHER CONDITIONS

8.1 The Contractor shall obtain licence under the Contract Labour (Regulation and Abolition) Act, 1970 from the Competent Authority. Only upon production of such licence, the first payment of the contractor shall be released. The Contractor shall renew his licence during the contract period if required. At the end of the contract work, the contractor shall furnish to CSIR-NGRI an indemnity Bond on non-judicial stamp paper to the effect that all wages/dues of the workmen engaged by him or by his sub-contractors have been fully paid for the entire contract period. Without this Certificate, performance Bank Guarantee will not be released.

8.2 The contractor shall arrange to give all notices required under various laws to all authorities and to pay to such authority or to any public office all fee/penalty that may be payable in respect of the work and lodge the receipt with CSIR-NGRI on demand. He should be registered under Employees PF and Miscellaneous Provision Act, 1952.

8.3 The contractor must ensure that his work shall not cause any nuisance to the public in general and to neighbouring occupants in particular.

8.4 The contractor shall not transfer/assign/sublet the contract or any part thereof in any manner without the prior written consent of the CSIR-NGRI and no such transfer/assignment as and when accepted shall relieve the contractor of his responsibility under the contract.

8.5 Contractor shall provide proof to CSIR-NGRI that EPF and ESI contributions have been remitted to the concerned authorities for his employees for each billing of the month. Contractor shall indemnify CSIR-NGRI from any such claim in future (Public liability claim).

8.6 The contractor shall conform to all laws including labour laws of the State/Central Government. The contractor shall indemnify CSIR-NGRI for any breach of laws committed by him. The contractor shall take adequate measures to ensure continuous and unhindered output of work.

8.7 The contractor shall provide and be responsible for payment of wages at prevailing rates and provide necessary proof to CSIR-NGRI for the payment made to their workmen, of salaries, bonus, social charges, insurance, food, accommodation and medical treatment, etc. to his employees as per the applicable laws as are in force from time to time.

8.8 The contractor shall pay the wages directly to the workmen without any intermediary.

8.9 If any amenity required to be provided under the relevant laws for the benefit of the contractor's employees is not provided by the contractor within the time prescribed thereof such amenity shall be provided by CSIR-NGRI and all expenses incurred by CSIR-NGRI in providing the aforesaid amenities shall be recovered by CSIR-NGRI from the contractor either by deduction from any amount payable to the Contractor or as a debt payable by the contractor.

8.10 The contractor shall be responsible for enforcing strict discipline amongst his employees and also ensure strict compliance with safety regulations and procedures as required by the Govt. and provide all kits & liveries to their employees. The contractor should provide helmets, shoes, first aid kit and any other safety material to the workers. The contractor shall indemnify CSIR-NGRI against any injury / loss of life of any of his personnel at any

time during the tenure of the contract. CSIR-NGRI shall not be liable for any claim for any accident resulting in loss of life or injury to any workman or supervisor, resident representative etc. of the contractor for whatever reason.

9. TERMINATION

9.1 In the event of the Contractor at any time during the term of this contract becomes insolvent or makes a voluntary assignment of its assets for the benefit of creditors or is adjudged bankrupt, then, CSIR-NGRI shall by a notice in writing have the right to forthwith terminate this contract.

9.2 In all cases of termination the obligation of CSIR-NGRI to pay charges shall be limited to the period up to the date of termination. Not withstanding the termination of this contract the parties shall continue to be bound by the provisions of this contract that reasonably requires some action or forbearance after such termination.

9.3 If CSIR-NGRI considers that the performance of the contractor is unsatisfactory or not up to the expected standard, CSIR-NGRI shall notify the contractor in writing and specify in detail the causes of dissatisfaction. CSIR-NGRI shall have the option to forthwith terminate the contract, if contractor fails to comply with the requisitions contained in the said written notice issued by CSIR-NGRI within ten days of the receipt thereof.

9.4 In case the contractor's right and/or obligations under this contract are transferred or assigned without prior written consent of CSIR-NGRI. CSIR-NGRI may at its absolute discretion terminate this contract, without prejudice to the other rights it has under the contract.

10. LIABILITY AND INDEMNITY

10.1 The Contractor agrees to **indemnify, defend and hold CSIR-NGRI** harmless from and against any and all claims, suits or causes of action for injury to or worth of contractor's personnel and for loss or damage to property of contractor or his personnel arising from or related to performance of this contract, and without regard to the negligence or fault of any party.

10.2 Except as otherwise specified in Article 10.1 above, CSIR-NGRI agrees to indemnify defend and hold contractor harmless from and against any and all claims, suits or causes of action for injury to or death of loss of damages to the property or persons belonging to its employees arising from or related to performance of this contract and without regard to negligence or fault of any party.

11. CONSEQUENTIAL DAMAGES

Neither CSIR-NGRI nor the contractor shall have any claim against the other for any consequential damages. The term consequential damages herein shall include without limitation to the meaning, loss of profit, hydrocarbon production, business opportunity of use of assets.

12. JURIDICTION AND APPLICABLE LAW

This contract shall be governed by the laws of **India** and shall be subjected to the jurisdiction of courts in **Hyderabad only.**

13. SEVERABILITY

Should any provision of this contract be found to be invalid, illegal or otherwise not enforceable by any court of law, such finding shall not affect the remaining provision and they shall remain binding on parties hereto.

14. FAIRNESS AND GOOD FAITH

The Parties undertake to act in good faith in respect to each other's rights under this Contract and to adopt all reasonable measures to ensure the realization of the objectives of this Contract. The contractor should not share any data pertaining to the work/ project with any third party at any point of time without specific and written instructions from CSIR-NGRI to this effect.

15. ARBITRATION

Except as hereinbefore provided, all disputes arising out of or in connection with this contract shall be amicably settled or else the same be referred to the sole arbitration of a person nominated by **Director General, CSIR** as such Arbitrator. The arbitration proceedings shall be held under the Indian Arbitration and Conciliation Act, 1996 and the statutory modification or re-enactment thereof, if any, and the rules made there under for the time being in force shall apply to such arbitration and this deed shall be deemed to be submission to arbitration within the meaning of the said Act. The cost of the arbitration shall be shared between the Parties. The award of the Arbitrator shall be final and binding on the parties. The venue of the arbitration shall be Hyderabad, India.

16. ASSIGNMENT

The rights and obligations of the Contractor shall not be assigned without the prior written consent of CSIR-NGRI.

17. INTERPRETATION

The titles and headings given in this Contract are inserted for convenient reference only and shall not be construed as limiting or extending the meaning of any provisions of this contract.

18. Penalty:

If the successful bidder / contractor fails to attain the desired depth, as per scope of work, Performance Security will be invoked.

(S. GNANAPRAKASAM)
Controller of Stores & Purchase

DEVIATION STATEMENT FORM

1) The following are the particulars of deviations from the requirements of the tender document and specifications:

CLAUSE	DEVIATION	REMARKS (INCLUDING JUSTIFICATION)

Place:

Date:

Signature and seal of the Manufacturer/Bidder

NOTE:

1) Where there is no deviation, the statement should be returned duly signed with an endorsement indicating “No Deviations”.

AGREEMENT FORM

The Agreement

This agreement made and entered into on _____ day of _____, 2006.

Between

CSIR (Council of Scientific & Industrial Research) a Society registered under the Societies Registration Act (XXI of 1860), having its registered office at 'Anusandhan Bhavan' 2, Rafi Marg, New Delhi – 110 001 (hereinafter called CSIR which expression shall where the context so admits include its successors and permitted assigns) represented by its laboratory National Geophysical Research Institute, Uppal road, Hyderabad of the one part.

AND

_____ (Name of the Party) a _____ (Company) registered in India under the _____ (Act No. & Year) and having its registered office at _____ (Address) (hereinafter called the PARTY which expression shall where the context so admits include its successors and permitted assigns) of the other part.

Preamble

Whereas CSIR through its National Geophysical Research Institute, Hyderabad, hereinafter referred to as CSIR-NGRI invited competitive bids vide its Bid enquiry No. for Wireline drilling, Coring, Steel Casing of borehole in hard rock terrain in Koyna-Warna Region, Maharashtra and the bidding documents thereof.

And whereas the contractor submitted its offer vide _____ dated _____ claiming it has sufficient technical and management know-how and has offered to deploy its equipment, personnel and services as detailed in this agreement for Wireline drilling, Coring, Steel Casing of borehole in hard rock terrain in Koyna-Warna Region, Maharashtra and the bidding documents thereof for CSIR/CSIR-NGRI.

And whereas CSIR/CSIR-NGRI has issued a firm Letter of Intent No._____ on _____.

NOW THEREFORE, the parties hereby agree as follows :-

S.3. The following documents attached here to, shall be deemed to form an integral part of this contract.

(i) The General Conditions of Contract

(ii) Terms of Reference / Scope of Work

(iii) Original Bid document

(iv) Price Bid

(v) LOI

(vi) Acceptance Letter

(vii) Any other information

S.4. The mutual rights and obligations of CSIR/CSIR-NGRI and the Contractor shall be as set forth in the contract, in particular :

(i) The Contractor shall carry out the Services in accordance with the provisions of the Contract; and

(ii) The CSIR-NGRI shall make payments to the Contractor in accordance with the provisions of the Contract.

IN WITNESS THEREOF, EACH PARTY HAS EXECUTED THIS CONTRACT AS OF THE DAY AND YEAR FIRST ABOVE WRITTEN.

SIGNED, SEALED AND DELIVERED

On behalf of the Contractor	On behalf of the CSIR/CSIR-NGRI
( )	( )

WITNESSESS :

(1) _____	(1) _____
(2) _____	(2) _____

BID SECURITY FORM

Whereas _____ (hereinafter called the "tenderer") has submitted their offer dated _____ (date of submission of tender) for the supply of _____ (name and/or description of the goods)

(hereinafter called the tender")

KNOW ALL PEOPLE by these presents that WE _____ (name of bank) of _____ (name of country), having our registered office at _____ (address of bank) (hereinafter called "the Bank"), are bound unto _____ (name of Purchaser) (hereinafter called "the Purchaser") in the sum of _____ for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this _____ day of _____ 20_____.

THE CONDITIONS OF THIS OBLIGATION ARE:

(1) If the tenderer withdraws or amends, impairs or derogates from the Tender in any respect within the period of validity of this tender.

(2) If the tenderer having been notified of the acceptance of his tender by the

Purchaser during the period of its validity:-

(a) If the tenderer fails to furnish the Performance Security for the due Performance of the contract.

(b) Fails or refuses to accept/execute the contract.

WE undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it, owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including forty five (45) days after the period of tender validity, and any demand in respect thereof should reach the Bank not later than the above date.

(Signature of the authorized officer of the Bank)
Name and designation _____
of the Officer
Seal, name & address of _____
the Bank

PERFORMANCE SECURITY FORM

To

(Name of Purchaser)

WHEREAS _____

(name and address of the supplier) ((hereinafter called “the Supplier”) has undertaken, in pursuance of contract No. _____dated_____

to supply (description of goods and services) ((hereinafter called “the Contract”).

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of _____

_____(amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed thereunder or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the _____day of _____,20_____.

_____

(Signature of the authorized officer of the Bank)

Name and designation _____

of the Officer

Seal, name & address of _____

the Bank

Bid securing declaration

(to be signed by the bidder and to be submitted along with the bid)

I / We accept that if I/We withdraw or modify their Bids during the period of validity, or if I/We are awarded the contract and I/We fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document, I / We will be suspended for the period of 2 years in the request for bids document from being eligible to submit Bids for contracts with the entity that invited the Bids i.e., CSIR-NGRI.

(Signature of the Bidder)