



SEMI-CONDCUTOR LABORATORY

(Department of Space, Govt. of India)
Sector 72, SAS Nagar 160071 Pb. (India) Ph: 91-172-2237401-10

REF: NIT NO: SCL/CMD/BOREWELL/Q-18/2009

Dt. 29th June, 2009

NOTICE INVITING TENDER

SUB: BORING AND INSTALLATION OF BORE WELL OF 300 METER DEPTH, 680MM BORE DIA AND 300MM DIA M.S. PIPE HOUSING OF MINIMUM YIELD OF 60 CUM/HR AT SCL, S.A.S. NAGAR.

1. Semi-Conductor Laboratory (SCL), under the Department of Space, Govt. of India, invites item rate tenders for the work of work of “Boring and installation of Bore Well of 300 meter depth, 680mm bore dia and 300mm dia M.S. Pipe Housing of minimum yield of 60 cum/hr at SCL, SAS Nagar”
2. Estimated Cost = Rs.17,87,427/-
3. Earnest Money Deposit (EMD) = Rs.35,750/-
4. Notice Inviting Tenders (NIT), General Terms & Conditions and Bill of Quantities (BOQ) attached herewith constitute the Tender Document. Interested contractors may download the tender document or obtain the same from the office of the undersigned on payment of Rs.563/- in the form of Demand Draft favouring Semi-Conductor Laboratory payable at SAS Nagar/Chandigarh. Contractors down loading the tender document from SCL’s Website should enclose Demand Draft for Rs.563/- in favour of Semi-Conductor Laboratory payable at SAS Nagar/Chandigarh alongwith their bid towards Tender cost.
5. Sealed tenders shall be received up to 1430 hrs (2:30 PM) on 22.7.2009 in the office of Head (CMD), SCL, S.A.S. Nagar and shall be opened at 1500 hrs (3:00 PM) on the same day i.e. 22.7.2009 in the presence of bidders who wish to be present.

HEAD (CMD)

SEMI-CONDUCTOR LABORATORY
SECTOR – 72, SAS NAGAR
PHONE: (0172)- 2236085, 2237401-10

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NAME OF WORK: **BORING AND INSTALLATION OF BORE WELL OF
300 METER DEPTH, 680MM BORE DIA AND 300MM DIA M.S.
PIPE HOUSING OF MINIMUM YIELD OF 60 CUM/HR AT SCL,
S.A.S. NAGAR.**

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**SEMI-CONDCUTOR LABORATORY
CMD, S.A.S. NAGAR**

NOTICE INVITING TENDER (NIT)

FOR

BORING AND INSTALLATION OF BORE WELL OF 300 METER DEPTH, 680MM BORE DIA AND 300MM DIA M.S. PIPE HOUSING OF MINIMUM YIELD OF 60 CUM/HR AT SCL, S.A.S. NAGAR.

- 1.0 Sealed item rate tenders are invited from contractors registered with CPWD, State PWD, Railway, MES, Government Departments/Public Sector Undertakings and having specialisation in the boring and installation of deep bore wells for the work of “Boring and installation of Bore Well of 300 meter depth, 680mm bore dia and 300mm dia M.S. Pipe Housing of minimum yield of 60 cum/hr at SCL, SAS Nagar”
- 2.0 Last date for submission of the bids is 22.7.2009 upto 1430 hrs (2:30 PM) which shall be opened on the same day at 1500 hrs. (3:00 PM) at SCL, S.A.S. Nagar (Mohali) in presence of representatives of the contractors who wish to be present. The bids shall be submitted and opened at the following address:

Head (CMD)
SEMI-CONDUCTOR LABORATORY,
Sector 72, S.A.S. Nagar-160 071
(Near Chandigarh)
Fax (0172)-2236885, 2236378
Phone: (0172)-2237401-10

- 3.0 Contractors who fulfil the following criteria shall be considered by SCL for pre-evaluation/technical evaluation.
 - i) Should be registered with any one of the agencies/departments as mentioned at clause 1.0 above.
 - ii) Contractors should have successfully completed during last 7 years ending last day of the month previous to the one in which the bids are invited, either three similar works costing not less than Rs. 7,14,970/- each or two similar works costing not less than Rs.8,93,713/- each or one similar work costing not less than Rs.14,29,941/-. Similar works in this case will mean boring and installation of bore wells of bore not less than 400mm dia and 200 meters deep.

- iii) Average annual financial turnover during the last 3 (three) years ending 31st March of previous year should be at least Rs. 5,36,228/-.

3.1 a) The following procedure shall be adopted for submission of tenders by the bidders. The envelopes shall be separately sealed and are to be submitted as follows:

Envelope I: To be superscribed “Earnest Money” and to contain Earnest Money in the form of Demand Draft/Term Deposit Receipt (TDR) as required in Clause 1 of the General Terms & Conditions hereunder (Part – B).

Envelope II: To be superscribed “TECHNICAL CONDITIONS OF BID AND UNPRICED COMMERCIAL BID” and to contain deviations, if any, from the conditions given in the Tender Document. Un-priced schedule of items, proposal sheets/forms to be put in this envelope. Contractors shall also enclose the following documents in this envelope which will be considered for prequalification.

- i) Registration Certificate.
- ii) Details of the contracts executed during last 7 (seven) years with complete name and address of the clients, scope of work, value of the work executed, date of commencement, date of completion, completion certificates from client(s).
- iii) Audited balance sheets for the last three years.
- iv) Organisation Profile
 - Organisational Profile/Structure, Staff strength including Bio-data of the key personnel; details of the branch offices, if any.
 - List of infrastructure facilities (machinery/implements) available.
 - A copy of Partnership Deed (in case of partnership firms) or Memorandum and Articles of Association (in case of Private Limited/Limited/Public Limited companies).
 - Proof of registration, if any, with other Govt. Deptts. and other reputed organizations as their approved Contractor.
 - Details of litigation, if any, with any client during the past 7 years.
 - Details of the firm/company having undergone any change in ownership, constitution, etc. during the past 7 years. Only the direct experience of the tenderer/firm will be considered;
 - Latest Solvency Certificate.
 - Details of accident history for the last 7 years.

Bidders are to ensure that no price whatsoever is put anywhere in envelope II.

Envelope III: To be superscribed “Priced Commercial Bid” and to contain price figures duly filled in and signed.

b) Procedure for opening of the Bid:

- Envelope No. I will be opened first on the due date of opening i.e. 22.7.2009 at 1500 hrs (3.00 pm) and EMDs shall be checked. Bids not accompanied with EMD as per clause 1.0 (General Terms & Conditions) shall be rejected. Envelope II of the bidders fulfilling the EMD condition shall thereafter be opened and Envelope No. III will be kept for opening at a later date after technical evaluation of the bids.
- The pre-evaluation/ technical evaluation of the bidders shall be done by the SCL. Technical evaluation of the only those bidders shall be carried out who meet the stipulated pre-evaluation criteria mentioned at Clause 3 above. Based on the technical evaluation report, clarification meeting, if required, will be held with bidders to bring them at par techno-commercially. Bids not meeting the technical specifications will be rejected. Envelope No. III (priced commercial bid) of such bidders shall not be opened.
- At the end of discussions, if required, bidders will be given an opportunity to submit another sealed cover envelope no. IV, superscribed 'Revised Commercial Bid,' which will supersede the Envelope III. After receipt of this envelope-IV, Envelope No. III or IV whichever is the latest of approved /qualified tenderer will be opened on a date convenient to SCL for evaluation.

- 4.0 SCL reserves the right to accept or reject any bid without assigning any reason thereof.
- 5.0 Bids shall remain firm and valid for acceptance for a period of 120 days from the date of submission.
- 6.0 SCL does not bind itself to accept the lowest bid and it reserves the right to accept or reject any or all the bids either in whole or in part without assigning any reason (s) thereof.
- 7.0 The rates quoted by the contractors shall be all inclusive covering material, labour, taxes, VAT, statutory levies, octroi, Works Contracts tax etc.
- 8.0 The rates in figures and words shall be quoted in the enclosed Bill of quantities and duly signed by the contractor.
- 9.0 All erasures and alterations made while filling the tender must be attested by the initials of the bidders. Over-writing of figures is not permitted. Failure to comply with either of these will render the tender void. No request for any change in terms and conditions after the opening of tenders will be entertained.

- 10.0 Time of completion for the work is 3 (three) months to be reckoned from the 7th day of issue of Work Order by SCL.
- 10.1 Contractors may visit the site to fully acquaint themselves with site conditions before submitting the bid. Drawings as appended with tender documents are subjected to change as per site conditions.
- 11.0 Successful contractor will be required to enter into a contract agreement on a non-judicial stamp paper of appropriate value with SCL in the prescribed proforma for execution of the aforementioned work.

**SEMI-CONDUCTOR LABORATORY
CMD,S.A.S. NAGAR**

**WORK: BORING AND INSTALLATION OF BORE WELL OF 300
METER DEPTH, 680MM BORE DIA AND 300MM DIA M.S.
PIPE HOUSING OF MINIMUM YIELD OF 60CUM/HR AT SCL,
S.A.S. NAGAR.**

GENERAL TERMS AND CONDITIONS

1.0 EARNEST MONEY DEPOSIT

The Earnest Money Deposit (EMD) is Rs. 35,750/- (Rupees Thirty Five Thousand Seven Hundred fifty only). The bidder shall pay this sum in the form of a Demand Draft/Term Deposit Receipt (pledged to SCL) issued by a scheduled bank in favour of Semi-Conductor Laboratory, payable at S.A.S. Nagar/Chandigarh. The EMD of unsuccessful bidders will be returned to them without any interest. EMD of the successful bidder shall be adjusted towards the retention money in Running Account Bills.

2.0 TECHNICAL SPECIFICATIONS

The work shall be carried out strictly in accordance with the description of items given in the Bill of Quantities following the latest CPWD specifications, I.S. Codes and Standards in the best workman like manner as per the instructions of engineer-in-charge. The engineer-in-charge (SCL's representative (s) responsible for the work) shall be entitled to have tests carried as specified in the contract for any material supplied by the contractor at the cost of the contractor and the Contractor shall provide at his expense all the facilities which the Engineer-in-charge may require for the purpose. The contractor shall carryout electric logging of borewell site before commencement of work to realize a minimum yield of 60 cum/hr.

3.0 TERMS OF PAYMENT

- i) On completion of item(s) of work as specified in the enclosed Schedule of Quantities and certification by the Engineer-in-Charge, 75% of the value of work done for each item shall be paid as running account payment (interim bills).

- ii) On successful completion of the entire work to the satisfaction of the SCL and upon certification by the Engineer-in-Charge, remaining 25% of the value of work executed against each item of schedule of quantities, shall be paid.
- iii) Payment against interim bills (Running Account Bills) as well as the final bill shall be made upon compliance of statutory requirements like ESI and PF by the contractor in respect of his workmen and employees deployed at SCL site.

4.0 PERFORMANCE BANK GUARANTEE

The Contractor shall provide Performance Bank Guarantee for the due and faithful performance of contract for a sum of 5% of the contract price within 7(seven) days of issue of Work Order by SCL. The said guarantee shall be in form of Bank Guarantee from any scheduled bank on the format already agreed upon and shall be valid until expiry of the defect liability period of 12 months.

5.0 COMPLIANCE OF ESI/PF ACTS:

Contractor shall ensure that all his workmen, employees are covered by Employees State Insurance (ESI) scheme and EPF Act and shall deposit the dues with the appropriate authorities and shall maintain all required records in such form and manner as required under the relevant act and rules. **The Contractor shall have ESI/PF Code/Account number and deposit the ESI/PF dues in their ESI/PF account number only.** The contractor shall produce records to SCL and to the appropriate Govt.. authorities for inspection/verification as and when required. The contractor shall also indemnify SCL against any action brought on SCL as a consequence of the contractor's non-compliance to these and other labour laws as applicable for the Contract.

6.0 CONTRACT DURATION

The duration of the contract will be for a period of 3 (three) months to be reckoned from the 7th day of issue of Work Order by SCL. The prices under this contract shall remain firm for the entire contract duration including the extended period, if any. No escalation will be allowed under the contract.

7.0 DEFECT LIABILITIES PERIOD

The Contractor shall be responsible to make good and remedy at his own expense any defect which may develop or may be noticed in the works executed under the contract within Twelve (12) months from the completion of contract duration including the extended period of the contract, if any.

8.0 MATERIAL

All materials used in the work shall conform to the specifications in the BOQ/IS Codes/C.P.W.D. specifications and approved by the Engineer-in-Charge. Contractor shall submit test certificates in respect of material procured by him for incorporation in the work.

9.0 ELECTRICITY AND WATER

Construction power shall be provided by SCL at one point only. Any further distribution will be the responsibility of Contractor. All temporary wiring from the supply point for electricity shall be the responsibility of Contractor. Electricity charges shall be on metered basis (meter to be arranged by the contractor) and charges shall be as per the prevailing rates of Punjab State Electricity Board (PSEB). Water required for the work shall be provided by SCL free of cost at one point only. Laying of pipes from the supply point shall be the responsibility of the contractor.

10.0 ARRANGEMENT AND SAFETY OF LABOURS

- a) Contractor shall make his own necessary arrangement for labour hutment, staff quarters in respect of his workers to be deployed on the work.
- b) The Contractor shall be fully responsible for the **safety of all the labourers** directly or indirectly employed for the performance of this contract and shall, at his own expense, provide all the facilities in connection therewith. Contractor shall also be solely responsible for payment of compensation on account of any injury/accident of his labour/workmen or any other employee during performance of the contract.
- c) The contractor shall not sublet, transfer or assign the contract or any part thereof.

11.0 VARIATION

Contractor shall carry out the work upto any variation in the total value of the contract at the same rate, terms and conditions. The quantities of various items mentioned in the schedule of items may vary to any extent or deleted altogether as decided by SCL. The rates for various items shall remain the same irrespective of the extent of variation in the quantities of individual items.

12.0 ESCALATION

The rates quoted by the contractor shall remain firm and will not be subject to any escalation for the contract duration as well as during the extended period, if any.

13.0 SITE CLEARANCE

Contractor shall clear all waste material/garbage and left out material from the site after completion of work. No extra payment on account of this shall be made to the contractor by SCL. The contractor shall treat all materials obtained during the work at site as SCL property and such materials shall be handed over to SCL.

14.0 TAXES & DUTIES

The rates quoted against various items in the BOQ shall be inclusive of all duties and taxes, government levies including sales tax, octroi, royalties, freight, excise duty, VAT , Works Contract Tax etc. as applicable, shall be borne by the contractor. No extra payment shall be made by SCL on account of taxes & duties or any other govt. levy in the event of any increase in the same during the currency of the contract. The contractor shall also indemnify SCL against levy of any such taxes etc. In the event of SCL being assessed for any of the said taxes, levies etc, SCL shall have the right to recover the total amount so assessed from the Contractor's dues and Contractor shall also be responsible for all costs and expenses that may be incurred by SCL in connection with any proceedings or litigation in respect of the same.

15.0 INCOME TAX

Income Tax, as applicable, as per government norms on the gross amount billed or as may be permitted/required under Income Tax Act, shall be deducted from contractor's bills before release of payment by SCL.

16.0 COMMENCEMENT OF WORK

The contractor shall commence the work within 10 (Ten) days of the issue of Work Order by SCL. Failure to commence the work within this period shall result in cancellation of the work order and forfeiture of the EMD. A detailed agreement on a non- judicial stamp paper of appropriate value shall be entered into with the party within 10 (Ten) days of issue of the work order.

17.0 TIME SCHEDULE, LIQUIDATED DAMAGES

Time being the essence for completion of the work to be got executed under the contract, the contractor must ensure that the works entrusted to him by SCL carried out within the stipulated period. Delay in execution of the works for reasons other than force majeure, shall attract liquidated Damages which shall be deducted from the contractor @ 0.5% of contract price for each week of delay or part thereof subject to a maximum of 5% (five percent) of the contract price.

18.0 ADDITIONAL/ALTERED OR SUBSTITUTED ITEMS

If at any time after the commencement of the work, the Engineer-in-Charge, for any reason whatsoever wants any item(s) not mentioned in the BOQ to be executed by the contractor, the rate for such items shall be worked out as under:-

- i) The rates for the additional, altered or substituted work not specifically provided in the contract for the work, will be derived from the rates of a similar class of work as are specified in the contract for the work.
- ii) If the rates for the altered, additional or substituted work cannot be determined in the manner specified above, then the Contractor shall within 15 days of the date of receipt of order to carry out the work inform Engineer-in-Charge of the rate at which he proposes to claim for the item of work, supported by analysis of rate or rates claimed, and the Engineer-in-Charge shall determine the rate or rates on the basis of prevailing market rates and pay the Contractor accordingly. However, the Engineer-in-Charge by notice in writing will be at full liberty to cancel his order to carry out the work and arrange to carry it out in such manner, as he may consider fit and advisable. But under no circumstances the Contractor shall suspend the work on the plea of non-settlement of rates of items falling under the clause.

19.0 INSURANCE

Contractor shall arrange at his cost 'All Risk Insurance Policy' for the work which shall remain valid till successful completion of the entire contract.

20.0 M.S. PIPE & OTHER MATERIAL

Contractor shall procure M.S. Pipes and all other materials for use in the work at his cost. Contractor shall submit invoice(s) of the materials procured and brought to the

site and test certificates for acceptance by the Engineer-in-Charge. Pipes of recommended makes (as mentioned in the BOQ) only to be procured and incorporated in the work.

21.0 DISPUTE SETTLEMENT

- a) If any dispute or differences of any kind whatsoever were to arise between the Engineer-in-charge, SCL and the Contractor regarding the following matters namely:-
- i) The meaning of the specifications, designs, drawings and instructions herein before mentioned.
 - ii) The quality of workmanship or materials used on the work and
 - iii) Any other question, claim, right, matters, thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions or orders, or those conditions or failure to execute the same whether arising during the progress of the work after the completion, termination or abandonment thereof, the dispute shall, in the first place be referred to the Head (CMD), SCL with the details of claims, justification for the same with supporting documents such as analysis of rates, cash vouchers and other relevant particulars. Head (CMD), SCL shall within a period of sixty days from the date of being requested by the Contractor to do so or from the date of furnishing of required particulars whichever is later shall give written notice of his decision to the contractor.

If the Head (CMD), SCL fails to give notice of his decision within a period of 60 days from the date of receipt of (i) the Contractor's request in writing for settlement of dispute or difference as aforesaid or ii) relevant particulars from the Contractor in support of his claims whichever is later.

OR

If the decision of the Head (CMD), SCL is not acceptable to the Contractor, he may approach the Director, SCL within a period of 15 days from the date of expiry of 60 days specified above. Director, SCL shall within a period of further 90 days from the date of receipt of request from the contractor or from the date of receipt of relevant particulars from the contractor in support of claims whichever is later give notice of his decision(s) to the Contractor.

- b) Subject to other forms of settlement hereinafter provided the Director, SCL decision in respect of every dispute or difference so referred shall be final and binding upon the Contractor. The said decision shall forthwith be given effect to and Contractor shall proceed with the execution of the work with all due diligence.

c) Remedy

1. When Director, SCL decision is not acceptable to Contractor or
2. Director, SCL fails to give decision within 90 days.

In case the decision of the Director is not acceptable to the Contractor or Director, SCL, fails to give decision within 90 days specified above, the Contractor may approach the Law Court at S.A.S. NAGAR, (PUNJAB) for settlement of dispute after giving due written notice in this regard to the Director, SCL.

Contractor to execute and complete work pending settlement of dispute.

- d) Whether the claim is referred to the Head (CMD), SCL/ Director, SCL or to the Law Courts, as the case may be, the Contractor shall proceed to execute and complete the works with all due diligence pending settlement of the said dispute or differences.

Obligations of the Engineer-in-Charge and Contractor shall remain unsettled during considerations of dispute.

- e) The reference of any dispute or dispute(s) or difference(s) to Head (CMD), SCL or Director, SCL or the Law Court may proceed notwithstanding that the work shall then be or be alleged to be complete provided always that the obligations of the Engineer-in-charge and the Contractor shall not be attend by reason of the said dispute or difference being referred to Head (CMD), SCL or the Law Court during the progress of the works.

Signature of Contractor
With Seal

NAME OF WORK: BORING AND INSTALLATION OF BORE WELL OF 300 METER DEPTH, 680MM BORE DIA AND 300MM DIA M.S. PIPE HOUSING OF MINIMUM YIELD OF 60 CUM/HR AT SCL, S.A.S. NAGAR.

SCHEDULE OF QUANTITIES

SR. NO.	DESCRIPTION	QTY.	UNIT	RATE (IN RS.)	AMOUNT (IN RS.)
1.	Mobilization of Rig Machine, air compressor from the contractor's works to drill and all required accessories site (SCL) and back after the completion of work	Job	LS		
2.	Drilling bore well with Reverse circulation Rotary rig of size (27"/24") 680x600 mm from ground level to 300m below natural ground level	300	Mtr.		
3.	Supply and installation of 300mm dia NB bore MS Black Housing Pipe, 8mm thick screwed and socketed and welded conforming to IS Code 3589-4270 Pipe make: Jindal	90	Mtr.		
4.	Supply and installation of 200mm dia MS Black blind pipe 8mm thick screwed and socketed and welded IS Code 3589-4270 Pipe make: Jindal	168	Mtr.		
5.	Supply and installation of 200mm dia 8mm thick LCG stainless steel screen, V-Wire without socket ISI marked etc. complete all as per direction & approval of Engineer-in-Charge Make: Johnson or	25	Mtr.		

	equivalent				
6.	Supply and installation of: i) 300x200mm dia MS reducer ii) 200mm well plug iii) 300mm dia M.S. well cap iv) 200mm dia M.S. centre guides v) 200mm M.S. socket for V-wire screen	1 1 1 5 10	Each Each Each Each Each		
7.	Supply and packing of screened pea gravel 1.5 to 6.00mm size in the annular spaces of the pipes up to the entire depth	300	Mt		
8.	Development of tube well with air-compressor by a pump 350 PSI 600 CFM capacity	40	Hrs		
9.	Development of bore well with a turbine pump by OP method	40	Hrs.		
10.	Providing and installation of 100mm dia GI medium (Class B) Column pipe and connecting it with the submersible pump etc., complete in all respects	90	Mtr.		
11.	Supply and installation of M.S. clamp of 300 dia with 100mm wide x 12mm thick MS flat with nuts & bolts	1	No.		
12.	Electric logging of the bore well to conduct the test for accurate determination of the strata encountered to get a desired discharge of 60 Cum/hr	Job	Lumsum		

13.	Supply of heavy duty 100mm GI bend with double flange Nut Bolt & Packing etc. complete	1	Each		
14.	Supply & installation 100 mm dia M.S. Clamp	2	Each		
15.	Supply & installation of 100mm Butterfly valve ISI Make – AUDCO/LEADER	1	Each		
16.	Supply & installation of 100mm Non-Return Valve ISI Mark, Make-Kirlosker/Leader	1	Each		
				TOTAL	

(AMOUNT IN WORKS.....)

Terms & Conditions for drilling the bore well:-

1. The quantity given in the schedule are approximate and for guideline only. Payment shall be made as per actual measurement at site.
2. All the tools, plants and material required for proper completion of the work shall be arranged by the contractor.
3. The work shall be carried out and test conducted as per direction of the Engineer-in-Charge.
4. The bore hole shall be drilled with reverse circulation rotary rig up to the desired depth.
5. All the work shall be done according to the ISI specifications including the supply of material.
6. Rates are inclusive of VAT, Labour and work contracts tax and any other government levies etc.
7. Development: The borewell shall be developed by an OP unit with a turbine pump of 2.5/3 CuSec capacity till such time water become reasonably sand free as per guidelines provided in IS 2800-1985.
8. Verticality: The contractor would try to place the housing pipe in plum. However, a tolerance limit of 2.5” from plumb upto 25 meters shall be allowed and accepted.
9. Reinstatement: The contractor will fill up trenches, level and clear the site before leaving after completion of work.

SIGNATURE OF CONTRACTOR WITH SEAL