

For Specialized Work

INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR
E- TENDRING FORMING PART OF NIT AND TO BE POSTED ON WEBSITE.

(Application for re-inviting open tenders)

The Executive Engineer, Electrical Division 12 on behalf of Delhi Development Authority invites online item rate tenders from approved & eligible contractors of DDA, CPWD and those of enlisted contractors of appropriate class of M.E.S. , BSNL, Railway for the following work .

NIT. NO. Re inviste.	:	4 /EE/ED-12/DDA/2012-13
Name of Work SH:-	: :	M/O Pump set and E.I. at various places of Dwarka. Re boring & redevelopment of abandoned bore hole i/c providing and Laying of Pipes etc. for augmentation of water for Hort. Purpose park near Air Force Navel Officers enclave, Sec -7 Plot No.-11, Dwarka.
Estimated Cost put to tender	:	Rs.2,15,538/-
Earnest Money	:	Rs.4,311/-
Period of Completion		One month
Date of commencement of e- tender		05.10.2012
Last Date & time of requisition of application of e-tender		15.10.2012 3.00 PM
Last Date & time for submission of e-tender along with uploading of transaction reference of RTGS/NEFT for EMD and Cost of tender documents. E-Tender processing fee and eligibility documents.		15.10.2012 3.00 PM
Last Date & time of submission of scanned copies of documents uploaded to the Executive Engineer/ Eld.Div.-12 /DDA		16.10.2012 3.00 PM
Time & date of Opening of tender		19.10.2012 3.30 PM

EXECUTIVE ENGINEER
ELECT. DIV.12/D.D.A.

The contractor who fulfills the following requirement shall be eligible to apply.

1. The annual financial turnover (gross) in the similar nature of work in one of the preceding three financial years shall not be less than 100% of the Estimated (gross) value of work (duly audited by chartered accountant) on annualized basis depending upon the time allowed for the completion i.e. total estimated value divided by time of completion.

The satisfactory completion of similar nature / class of at least.

- i) One work of 80 % of the estimated cost OR
- ii) Two works of 60 % of the estimated cost OR
- iii) Three works of 40 % of the estimated cost of the proposed work in the Central / state Govt.

Public Sector undertaking / Govt. autonomous bodies during the last seven years.

2. The tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen from website www.tenderwizard.com/DDA or www.dda.org.in in free of cost.
3. The enlistment of the contractors should be valid on the last date of submission of tenders. In case only the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.
4. Those contractors not registered on the website mentioned above, are required to get registered beforehand. The intending bidder must have valid class-II digital signature to submit the bid.
5. Earnest Money & cost of tender shall be deposited through RTGS/ NEFT in the A/c of Sr. A.O. of CAU Dwarka Zone having account number **1290300366 with Central Bank of India, Mangla Puri New Delhi. .branch (IFSC code CBINO283498)**. The unique transaction reference of RTGS/NEFT shall have to be uploaded by the tenderer in the E-tendering system by the prescribed date. The Executive Engineer (E)/Electrical Division-12 will get tender cost/ earnest money verified from CAU based on the unique transaction reference number against each RTGS/NEFT payment before the tenders are opened.

A part of earnest money is acceptable in the form of bank guarantee also. Earnest money up to Rs. 20 lacs, will have to be deposited through RTGS/ NEFT mode. If the amount of Earnest Money is more than Rs. 20 lacs then the amount of Earnest Money beyond Rs. 20 lacs can be deposited in the form of Bank Guarantee also. Such Bank Guarantee is to be scanned and uploaded to the E- Tendering web site within the period of tender submission.

6. Earnest Money and cost of tender have to be deposited through separate transactions.

- (i) Cost of Tender Document – Rs. 525 (to be deposited through RTGS/NEFT in the account of Sr. A.O. (CAU) Dwarka Zone.)
- (ii) E-Tendering Processing Fee – Rs.562/- (to be deposited through E –Mode of ITI Ltd.) in favour of M/s ITI Ltd. payable at Delhi.)

7. The unique transaction reference of RTGS/NEFT against EMD Cost of Tender Document and Bank Guarantee shall be placed in single sealed envelope superscripted as “Earnest Money, Cost of tender Documents” with name of work and due date of opening of the bid mentioned there on and will submit to tender opening Authority by 16.10.2012.

8. Copy of certificate of work experience, Audited Balance Sheet, Bank Solvency

Certificate and other documents mentioned above shall be scanned and uploaded to the e-tendering website within the period of tender submission and certified copy of each shall be deposited in a separate envelope marked as, " **Eligibility Documents**".

Both the envelopes shall be placed in another envelope with due mention of Name of work, date & time of opening of tenders and to be submitted in the office of Executive Engineer during the period mentioned thereon.

List of Documents to be “scanned and uploaded” within the period of tender submission:

- i) The unique transaction reference of RTGS/NEFT against EMD, Cost of Tender Document.
- ii) Bank Guarantee
- iii) Electronic transfer to “ITI Ltd. towards cost of tender processing fee.
- iv) Certificate of work experience.
- v) Audited Balance sheet.
- vi) Bank Solvency certificate
- vii) Certificate of Registration for Sales Tax / VAT and Service Tax and acknowledgement of up to date filed return.

**EXECUTIVE ENGINEER
ELECT. DIV.12/D.D.A.**

CORRECTION SLIP No.....

A sum of Rs..... deposited in the account of Sr. A.O.(CAU) is hereby forwarded in the form of UTR of RTGS/NEFT/bank guarantee beyond 20 lacs issued by a scheduled bank as earnest money. If I/we, fail to furnish the prescribed performance guarantee within prescribed period. I/we agree that the said DDA or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/we fail to commence work as specified, I/we agree that DDA or its successors in office shall without prejudice to any other right or remedy available in law, be at liberty to, forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and condition contained or referred to therein and to carry out such deviation as may be ordered, up to maximum of the percentage mentioned in schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in clause 12.2 and 12.3 of the tender form.

**DELHI DEVELOPMENT AUTHORITY
ELECTRICAL DIVISION NO. 12**

Name of work :- M/O Pump set and E.I. at various places of Dwarka.

SH :- Reboring & redevelopment of abandoned bore hole i/c providing and Laying of Pipes etc. for augmentation of water for Hort. Purpose park near Air Force Navel Officers enclave, Sec -7 Plot No.-11, Dwarka.

S.No.	Description of items	Qty.	Rate	Unit	Amount
1.	Making of Tubewell / Borewell in all kinds of soil i/c hard kankar / moorum of soil formation upto 400mm dia by drilling method etc. as required and as per specifications attached	120mtr..		P/Mtr	
2.	Providing and Lowering of in all position at all depths M.S.E.R.S.(Electric resistance welded) Seamless housing pipe with socketted welding joints etc. i/c applying bitumastic paint, testing, connections, plumbness & alignment etc. as required. a) 200mm dia blind pipe 4.85mm thick b) 200mm dia slotted pipe 4.85 mm thick	60 mtr. 60 mtr.		P/Mtr P/Mtr	
3.	Development of Tubewell to stabilize of sand / silt free discharge of water with air compressor of suitable capacity as per relevant ISI specification testing of tubewell yield complete etc. , as required	60Hrs.		P/Hour	
4.	Providing & surrounding the annular space between pipe & bore with gravel (10mm nominal size) etc. as required.	15 cu. Mtr.		Cu. mtr.	

5.	Providing & fixing of M.S. bail plug of size 200mm dia with hook i/c applying bitumastic paint etc. as required.	1 Nos.		Each	
6.	Providing & fixing of in position 200mm dia M.S. sealing cap. 6mm thick i/c applying bitumastic paint etc. as required.	1 Nos.		Each	
7.	Providing & fixing M.S. Clamp made of M.S. Flat 80mm x 12mm suitable for 200mm dia housing pipe having free length of 500mm on both sides of pipe fixed with 6 No. of nut bolts & washers of suitable size i/c applying bitumastic paint etc. as required.	1 Nos.		Each	

Total: Rs.

ADDITIONAL CONDITIONS & SPECIFICATIONS

Conditions

1. The contractor must get acquainted with the proposed site for work and study specifications and conditions carefully before tendering. The work shall be executed as per programme approved by the Engineer-in-charge.
2. Testing of Installation :
 - i) The entire system shall be tested to the satisfaction of Engineer-in-charge.
 - ii) Tests shall be performed in the presence of Engineer-in-charge or his representative.
 - iii) The contractor shall provide all labour, equipments and material required for performance of the tests.
3. The rates quoted by the contractor, shall be firm and should be inclusive of all Central/State Govt., Taxes, Duties and Levies etc. except as mention in printed conditions of contract.
4. Concessional Sales Tax form C/D shall not be issued by the Department.
5. Contractor shall stand guarantee for a period of 6 months from the date of completion against functioning of tubewell.
6. The contractors shall be fully responsible for watch and ward of the material brought/work executed at site till the same is complete and taken over by the department.
7. After the award of work, the contractor shall get all the materials approved from the Engineer-in-charge before use in the work. The contractor shall also produce test certificate for conformity with relevant IS specification if required by the Engineer-in-charge.

8. The work as indicated in the schedule of quantities attached herewith including any modifications, additions alterations ordered subsequently shall be carried out as per specifications given below:
- i) A table indicating the, governing specifications and other details in respect of some of the important materials to be used in the work is attached.
 - ii) Only material bearing ISI/BIS certifications mark shall be used in the work. Where articles of different designs/makes bearing ISI/BIS certification mark are available, the decision of Engineer-in-charge about the design/make to be used in the work shall be final and binding on the contractor.
 - iii) If the specifications of any item are not available then the decision of the Engineer-in-charge regarding quality shall be final & binding on the contractor.
9. In case of any discrepancy in the description of any item given in the schedule of quantities and the specifications, the former shall prevail. If the specification of any item are not available, the decision of Engineer-in-charge shall be final.

TECHNICAL SPECIFICATIONS

10. IS-2800 Part-I & II & IS-11189-1985 shall be followed for the execution of work of tubewells.
11. No payment shall be made if contractor fails to bore through soil/rock successfully.

12. Geo-physical survey shall be conducted by the contractor at their own cost before taking up the work of boring of tubewell.
13. The verticality & alignment of tubewells shall be tested by the agency by using plumb or plunger & submit the report as per Appendix A of IS-2800 (part-II)
14. During handing over the tubewell to the department. The contractor shall submit the following reports/results.
 - a) Results of tubewell depth and water level measurements.
 - b) Report on the chemical & bacteriological analysis of water.
 - c) Results of development and draw down test as given in table-1

TABLE-1

A. Normal Test

S.No.	Rated Discharge	Depression at Rated Discharge	Specific yield 2/3	Total Hours Run	Sand in ppm at End of Test	Static Water Level	Pumping Water Level

B. Discharge at 1.2 times normal yield or 1.5 times the normal depression

Specific yield discharge drawdown	Total Hours Run	Sand in ppm at End of Test	Static Water Level	Pumping Water Level

15. The contractor shall submit the information/results of tubewell bore in the format as per Annexure-'A' of IS-2800 (Part-I)-1991 & Appendix 'B' of IS-2800 (Part-II)-1979 enclosed herewith.
16. During development of bore the air-compressor shall be used for minimum 60 Hours or till sand/silt free discharge of water is available.

NOTE: This work may be treated as "specialize work" and the agency should be registered with central ground water Authority.

TABLE OF GOVERNING SPECIFICATION FOR MATERIALS

S.No.	Name of item	Governing IS: code
1.	Ball plug or bottom plug	IS 226 : 1975
2.	Bail plug hook	IS 226 : 1975
3.	Casing pipe/housing pipe	IS:3589
4.	Screens/slotted pipes	IS 8110 : 1985
5.	Centralizer	IS 226 : 1975
6.	Taper/reducer	IS 226 : 1975
7.	Clamp	IS 226 : 1975
8.	Well Cap	IS 226 : 1975

NOTE: BIS code amended upto date of tender shall be applicable

ANNEX A
(Clause 12.2.1)

**INFORMATION TO BE FURNISHED BY DRILLING AGENCY TO OWNER ON
COMPLETION OF TUBEWELL**

- | | | | | | | | | | | |
|---|-------|------------|------------|-------|-------|-------|-------|-------|-------|--|
| <p>1. Agency drilling the tubewell.....</p> <p>2. Location of the tubewell.....</p> <p>3. Method of drilling adopted.....</p> <p>4. Date of starting.....</p> <p>5. Date of completion.....</p> <p>6. Pilot hole or test hole..... Bit size.....
Bit type..... Hours..... from.....
to.....</p> <p>7. Coring done..... Bit size..... Bit
type..... Hours..... Recovery.....
..... from..... to.....</p> <p>8. Reaming..... Bit size.....
Bit type..... Hours..... from.....
..... to.....</p> <p>9. Lithological data</p> <table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">From</td> <td style="text-align: center;">To</td> <td style="text-align: center;">Formations</td> </tr> <tr> <td>.....</td> <td>.....</td> <td>.....</td> </tr> <tr> <td>.....</td> <td>.....</td> <td>.....</td> </tr> </table> <p>10. Total depth of tubewell drilled.....</p> | From | To | Formations | | | | | | | <p>11. Assembly of production well..... Size.....
Length..... Type.....
Perforation per metre.....
Housing pipe.....
Blind pipe.....
Strainer.....
Bail plug.....</p> <p>12. Top of tubewell above/below ground
level.....</p> <p>13. Size of gravel..... Quantity used before
development..... Quantity used during
development.....</p> <p>14. Method used for development.....
Total hours of testing.....</p> <p>15. Development discharge.....</p> <p>16. Turbidity.....</p> <p>17. Further details appended:
a) Samples of strata, neatly packed in
sample bags,
b) Chart of pipe assembly lowered, and
c) Results of mechanical analysis of samples
of unconsolidated strata.</p> <p>18. Remarks:
Owner..... Driller.....</p> |
| From | To | Formations | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Signature of Tester.....

APPENDIX B

(Clause 7.2)

INFORMATION TO BE FURNISHED BY TESTING AGENCY TO OWNER ON COMPLETION OF THE TESTING OF TUBEWELL

1. Agency conducting the tests.....
2. Location of tubewell.....
3. Date of starting.....
4. Date of completion.....
5. Total depth of tubewell.....
Method adopted.....
6. Depth of water level.....
Method adopted.....
7. Results of verticality and alignment test.....
8. Drawdown test: Time of test Discharge..... Period run.....
Speed rev/min
9. Rated discharge in P/min
10. Depression head of the production well.....
11. Sand contents in ppm at the rated discharge after 20 minutes of the start of the pump or 20 per-
cent in excess of the rated discharge if 50 percent extra depression cannot be arranged.....
12. Recommendation with regard to a suitable pump.....
13. Further details appended:
Chemical and bacteriological analysis of tubewell water
14. Remarks:
Owner Tester