

Government of West Bengal
 Urban Development Department
 Office of the Executive Engineer
 Salt Lake Construction Division
 Sech Bhavan (Second Floor)
 Salt Lake, Kolkata- 700091
 Phone: +91 33 2337 1079

NOTICE INVITING QUOTATION NO. 01 OF 2013-14 OF EXECUTIVE ENGINEER, SALT LAKE CONSTRUCTION DIVISION

(Memo No. 13-534/13/3041, Dated:21.10.2013)

Sealed Quotations are hereby invited by the Executive Engineer, Salt Lake Construction Division, Sech Bhawan, Kolkata-91 on behalf of the Governor, and for acceptance of the Special Engineer, Salt Lake Reclamation and Development Circle, U.D. Department, Sech Bhawan, Salt Lake, Kolkata-91, for "Non-Destructive, Pile Integrity Test of 208 nos. piles having 600 mm diameter and 33.00 meter long related with the work 'Construction of G +13 Storied State Government Office Complex (SGO Complex) at Plot No. DF-9, Bidhannagar, Kolkata-700 064' under Salt Lake Water Supply Sub-Division"

(A) Details of work , are as follows:

Sl.	DETAILS OF APPLICATION/DROPPING ETC.	DATES
1	Last Date of Application:	08.11.2013 up to 16.00 hours.
2	Last Date of Purchase:	13.11.2013 up to 16.00 hours.
3	Date of Dropping:	19.11.13 up to 14.00 hours.
4	Date of Opening:	19.11.13 immediately after 14.00. hours.
5	Nos. of Pile to be tested:	Total 208 (Two Hundred and Eight) Nos.
6	Amount to be quoted in:	For testing of total two hundred and eighty nos. piles and rate for each pile.
7	For NIQ in website & Corrigendum Notice, if any:	Departmental website of Urban Development Department i.e. www.wburbandev.gov.in may pl. be followed.

(B) 'Requirements' for application by applicants and other details are:

1. Contractors having experience in similar nature of testing at some other building site with pile foundation , are eligible to apply.
2. List of machineries i.e. list of equipments for testing, should be attached with the application with other details to realize the effectiveness , sensitivity of these.
3. Mode i.e. Method of Testing should be as per ASTM D5882 standard or I.S. Standard, with many other existing codes and specifications.
4. Equipments may be having with the PIT-W software (processes the data and generates reports) and the PIT-S software (which simulates a PIT test and performs

simplified signal matching to assess the shape of the foundation.) or any other suitable software as per International/National Standard.

5. Equipments may be with Model: PIT-V and PIT-X read velocity data from a single accelerometer and analyze data in the Time Domain by the Pulse Echo method, respectively.
6. The test should be based on wave propagation theory. In this "Low Strain Dynamic Test" a light impact to applied to a pile it produces a low strain. The impact will produce a compression wave that travels down the pile at a constant wave speed (changes in cross sectional area - such as a reduction in diameter - or material - such as a void in concrete - produce wave reflections.) This procedure is to be performed with a hand held hammer to generate an impact, an accelerometer or geophone placed on top of the pile to be tested to measure the response to the hammer impact, and a data acquisition and interpretation electronic instrument.
7. If the test carried out as per ASTM D5882 'Standard Test Method for Low Strain Integrity Testing of Pile', then following requirement to be followed:

(C) DETAILS ABOUT SUBMISSION OF REPORT:

1. Report should be submitted in 'Booklet' form and in Quadruplicate.
2. Report should be submitted with clarity and perfection up to the best, but acceptance of report and its acceptance is as per decision of Engineer-in-Charge and Special Engineer, S.L.R. & D.C., subject to the verification, if required.
3. Each Booklet should be consist with the different data related with the individual pile, to realize the condition of piles related and with :
 - a. 'Shaft Condition' (i.e. shaft is free of major cracks and voids, or not.)
 - b. Details of Pile Continuity.
 - c. Consistency of Material.
 - d. Location of Defects.
 - e. Location of Bulging or Narrowness, if any, throughout length of individual Pile.
 - f. Other salient points & vulnerable points/locations, if exists.
 - g. Other any point related with matter of goodness/defectiveness, which is important for stability of superstructure.

Handwritten signature 24/10/13

Executive Engineer
Salt Lake Construction Division
U.D. Dept., Sech Bhawan, Salt Lake, Kol-91

Copy forwarded for information & necessary action to:

- 1) The Principal Secretary, Urban Development Department, Govt. of West Bengal, Nagarayan, Salt Lake, Kolkata.
- 2) The Chief Engineering Advisor, Urban Development Department (Salt Lake Project), Sech Bhavan, Salt Lake, Kolkata.
- 3) The Superintending Engineer, P.W.D, Presidency Circle-I, New Secretariat Building Kolkata-700001.
- 4) The Superintending Engineer, P.W.D, Presidency Circle-II, 3, Commissariat Road Kolkata-700022.
- 5) The Superintending Engineer, P.W.D, Eastern Circle, 45, Gaqnesh Chandra Avenue, Kolkata.
- 6) The Superintending Engineer, P.W.D, Northern Circle, Purta Bhavan, Hakim Para. Near Town Club, Pin-735101.
- 7) The Director of Designs, Central Design Office, I&W Directorate, Jalsampad Bhavan, Salt Lake, Kolkata- 700 091.
- 8) The Executive Engineer, Salt Lake Reclamation Division, Sech Bhavan, Salt Lake, Kolkata- 700 091
- 9) The Executive Engineer, Bidhannagar Municipal Services Division, Sech Bhavan, Salt Lake, Kolkata- 700 091.
- 10) The Executive Engineer, Central Mechanical Division, Sech Bhavan, Salt Lake, Kolkata- 700 091.
- 11) The Executive Engineer, Metropolitan Drainage Division-I, Jalsampad Bhavan, Salt Lake, Kolkata- 700 091.
- 12) The Executive Engineer, Metropolitan Drainage Division-II, Jalsampad Bhavan, Salt Lake, Kolkata- 700 091.
- 13) The Executive Engineer, Calcutta Drainage Out-fall Division, Jalsampad Bhavan, Salt Lake, Kolkata- 700 091.
- 14) The Executive Engineer, Canals Division, 11-A, Free School Street, Kolkata.
- 15) The Executive Engineer, Joynagar Irrigation Division, 11-A, Free School Street, Kolkata.
- 16-24) The SDO/ Salt Lake Roads Sub-Division/ Salt Lake Drainage Sub-Division/ Salt Lake Reclamation Sub-Division-I & II/ Salt Lake Survey Sub-Division/ Salt Lake Water Supply Sub-Division/ Salt Lake Sewerage Sub-Division/ Salt Lake Electrical Sub-Division/ Salt Lake Mechanical Sub-Division.
- 25) ADHUNIK INFRASTRUCTURES (P) LTD. Kamalalaya Centre, Unit-308, 156-A, Lenin Sarani, Kolkata-700013, for information and necessary action, with a request to prepare piles for 'Pile Integrity Test'.
- 26) Office Notice Board.
- 27) Accounts Branch of this Office


22/10/13

Executive Engineer
Salt Lake Construction Division