



WEST BENGAL HOUSING BOARD
(Estd. under W.B. Act XXXII of 1972)
(A B A S A N)

105, S.N.BANERJEE ROAD, KOLKATA – 700 014.

Phone: 2265-1965, 2264-1967/3966/8968/9974/0950; FAX: 2264/1480/0979 Email: wbhousingboard@gmail.com

No. 648 /D.D (E.P)-III/WBHB

Date- 05.04.2018

NOTICE INVITING QUOTATION

N.I.Q-02/WBHB/DD (EP)-III/HB/2017-18 (2ND CALL)

Sealed quotation in prescribed form invited by the Dy. Director (EP)-III West Bengal Housing Board 105, S.N.Banerjee Road, Kolkata-700014 from bona fide/resourceful agencies/firms for the following work as per particulars given below. and Quotation will be received by the Deputy Director (EP)-III, West Bengal Housing Board 3rd floor, Kolkata-700014 upto-2.00 P.M. on 16.04.2018 and will be opened on the same date at 3.30 P.M.

1.	Name of work:	Sub-Soil exploration including testing for proposed 1(one) no. (G+6) storied Residential Apartment Building at Himalay Kanya Housing Project, Phase-IV, Siliguri, and 1(one) (G+4) Storied Residential Cum Commercial Apartment Building and 1 (one) No. (G+4) Storied Residential Building at Mathkal-Nimta Housing Project, Phase-IIA under West Bengal Housing Board,
2.	Eligibility criteria:	A) Firms/Agencies who have experience in conducting Sub-Soil exploration including testing work for Housing Project in Govt. and Semi Govt. organisation as per BSI within last 5 (Five) years and who had IT clearance certificate. PAN, Professional Tax clearance certificate, GST registration Certificate.P.F Registration/ Code No. may apply for Quotation. B) Firm / Agencies to be submitted work order, completion certificate showing the details of similar nature of work executed by Firms/Agencies. Xerox copy of the above documents (which will not returned) as stated above (A & B) duly signed by the applicants with seal.
3.	Name of the Engineer-in Charge	Deputy Director (EP)-III, under WBHB
4.	Earnest money:	i) Rs4000.00
5.	Procurement of quotation paper i.e. N.I.Q Bid document term & condition etc.	Bid documents will be available from the WBHB website www.wbhousingboard.in from 09.04.2018 to 16.04.2018

6.	Cost of tender documents: (Non-refundable).	During participation, cost towards Tender documents need not require to pay, Only successful bidder has to pay cost @Rs.250/each copy.4 (Four) copies of documents for agreement as per norms which will be communicated latter on i.e. through L.O.A.
7	Validity of Tender	120 days from the date of submission of tender
8	Last date & Time for submission of Tender	16.04.2018 up to 2.00 P.M.
9	Date & Time for opening of Tender:	16.04.2018. A.T. 3.30 P.M.
10	Duration of work	2 (Two) months

11. Contractor has to submit completion certificate / billing progress certificate showing details of executed works and time taken for completion including comments on their up to date performance from the respective deptt / Authority.

12. Contractor should submit application along with self-attested copies of the following (Original copies for each are to be produced for verification during submission).

- i) Income Tax return with acknowledgement for the current year including PAN Card.
- ii) Professional Tax (PT) latest challan with certificate
- iii) Employees provident Fund (PF) enrollment certificate with code no and last receipt.
- iv) GST registration particulars and latest deposit challan
- v) Work order and Completion certificate from respective department.
- vi) Valid Trade license from respective Corporation/Municipality/Panchayat,
- vii) Power of Attorney/Authority to sign the Tender documents and Articles/Memorandum of Association (in case of companies)
- viii) Partnership Deed- (In case of partnership firm.)

13. Tender documents can be available from the WBHB website www.wbhousingboard.in from 09.04.2018 to 16.04.2018

The Agency will quote the rate (in both words and figures) in the prescribed form of WBHB of the Tender documents and the quoted rate should be inclusive all Taxes (Including GST)

14. Tender must be accompanied by EMD specified for the work in the shape of Bank Draft/Pay Order only on a Nationalized Bank drawn in favor of West Bengal Housing Board payable at Kolkata. E.M.D. Should be kept in a sealed envelope with a clear description and should accompany the name of work and N.I.Q. No.

15. Tender must be delivered to Deputy Director (EP)-III/HB of West Bengal Housing Board or in absence to any authorized officer of West Bengal Housing Board and will be opened on the same day in the presence of bidders or their authorized representatives.

16. If the office happens to be closed on the date of receipt of tender as specified in the NIT will be received and opened on the next working day at the same time and venue,

17. The post tendering negotiation if required may be made with all the eligible tenderers which may be instant or afterwards.

18. Contractor shall have to make his /her own arrangement for resource materials required for the work.

19. There will be no provision for arbitration whatsoever in the contract.

20. Successful tenderer would have to execute an agreement as specified by the WBHB in non- judicial stamp paper of value Rs. 10/-only before issuing of formal work order by the WBHB

21. One percent (1%) cess will be statutorily deducted from each of contractor's progressive bill.

22. No conditional tender will be accepted.

23. Tenders will be received only in the tender box kept in the office chamber of Deputy Director (EP)-III, West Bengal Housing Board, 105, S N Banerjee Road, Abasan (3rd floor), Kolkata-700014 and nowhere else,

24. **Submission of false misleading** and fabricated statement/ documents/information etc found at any point of time will lead to cancellation of the tender.
25. **Acceptance of tender will rest entirely with the WBHB** which does not bind itself to accept the lowest tender and reserves the right itself the authority to reject any or all the tenders received without assigning any reasons thereof.
26. Joint Venture will not be allowed.
27. **Further details can be seen in the tender documents itself.**

Bikash Kumar Das
Deputy-Director (EP)-III
West Bengal Housing Board

No: 648/1(13) /DD (EP)-III/HB

Dated: -. 05.04.2018

Copy forwarded for information to the:

1. Housing Commissioner, WBHB
2. J.H.C. & Secretary, WBHB
3. Director (Engineering), WBHB
4. CA cum AP, WBHB
5. FA cum CAO/D.F.A.cum DCAO, WBHB
- 6-09.Joint Director (EW)-I/II/III/V. WBHB
10. Join Director (EP) /WBHB
11. S. K. Ghosh /A.D (EP), WBHB.
12. Asis Basak/ SAE (EP) WBHB.
13. Notice Board

Bikash Kumar Das
Deputy-Director (EP)-III
West Bengal Housing Board

CERTIFICATE

I/We have inspected the site of works & have made me/us fully acquainted with the local conditions in & around the site of works. I/We shall be bound by conditions laid down in the notice inviting tender, special terms & conditions and specifications, specific priced schedule and tender form. I/We have gone through the current schedule of rates of the Board, General specifications now in force in the Board & also the I.S.I. Code of practice. I/We shall also uniformly maintain such progress with the works, as may be directed by the Engineer-in-Charge of the works to ensure completion of same within the target date.

SIGNATURE OF TENDERER(S)

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Postal Address.

West Bengal Housing Board
105, S.N.Banerjee Road
Kolkata- 700014

Undertaking on Boring Work (Field work – Part-I) & Laboratory work (Part-II)

1. We agree to carry out the Boring Work with 150mm (Nominal) shell and auger (cable tool) method with power driven winch and shell also provide casing pipe upto the required depth as directed during boring operation.
2. We agree to submit the chart for testing Schedule in duplicate for laboratory testing on undisturbed soil sample.
3. We also agree to allow the Board's Engineer for joint observation on different laboratory test (Part-II) on selected undisturbed sample as approved by the Board.

Signature with Official Seal

CERTIFICATE

I/We do hereby certify that I/We have gone through the "TENDER & CONTRACT FORMS" & Notice Inviting Tender, Special Terms & Conditions and specification of the West Bengal Housing Board in details & agree that all terms & conditions of these said forms shall be deemed to be applicable for this Tender through the printed form.

Signature of Contractor.

BRIEF CONDITIONS AND SPECIFICATIONS

1. The site where sub-soil explorations are to be conducted should be inspected by the Quotationer before offering the rates. It is presumed that the Quotationer has been fully satisfied and acquainted about the ground conditions, approach roads and other relevant matters before submitting the quotation.
2. In course of work there may be deletion, addition and alteration of quantities and work sites for soil exploration for which no claim from the contractor in any case will be entertained.
3. There might be shallow standing water or slushy ground under which soil sampling are to be collected for sub-soil exploration. The contractor should at his own cost make necessary arrangement for work platform or earth bounds for boring work irrespective of the water level.
4. Boring will have to be done at Spots directed by the Engineer-in-Charge. Payment for boring will be made for the depth bored from the existing ground level at the proposed spot of the boring to the bottom of the hole actually bored irrespective of the level from which boring is started.
5. The work is to be carried out with the 150mm(nominal) shell and auger equipments to the envisaged depth of investigation. The winch for investigation purpose must be power driven, manual boring or use of bentonite slurry or any other solution in line to the bored hole should not be use, until and unless specifically permitted by Engineer-in-Charge in writing well in advance in exceptional cases. Casing should be provided compulsorily and constantly upto the suitable depth(few anti meters above the proposed level of boring) of bore hole to prevent caving of soil inside the bored hole or for other reasons as per direction of Engineer-in-Charge whose decision is final and binding on contractors. More impenetration of casing for few metre from top will not be allowed.
6. The work should be carried out during the working hours of the working day. The representative from the Board's end may not be available on Sunday and also on approved holidays. However endeavour will be made to render all possible assistance to the contractor regarding smooth execution of work.
7. Brief procedure for conducting Sampling.

The following steps may be followed-

- a) Bore the hole upto 1 metre depth or so or as directed & clear upto the depth below which sample is to be collected.
- b) Collected first sample by 100mm., dia tube by very slow hammering with all usual and normal precaution.
- c) Undisturbed sample are to be collected at every 1.5 to 2 metre intervals or closer if there is a changed in characteristics of the stratum or as directed by Engineer-in-Charge.
- d) Clear the hole upto depth from which the second sample is to be collected.
- e) Then collect the second sample. Repeat this process for successive stages of depths until the final depth as directed by the Engineer-in-Charge is reached.
- f) If there be any slip of samples during the operation, the sample should collected from the depth immediately below it. No extra payment will be made for the slipped sample. SPT/Vane shear tests are also to be conducted as per instruction of Engineer-in-Charge.
- g) Disturbed samples are to be collected from different depths in between the undisturbed sample particular attention should be given to collect U.D. Samples immediately after any change of soil strata is located even if it does not coincide with the usual stage depth for collection of soil samples.

8. For all works viz. collection of soil samples, field tests, transportation etc. under part-I & testing of samples under Part-II, Code Of Indian standard procedures in vogue are to be followed. In case of any difference of opinion in respect of the procedure, test and ways, the directions of the Engineer-in-Charge will be final and binding.
9. The Contractor after finishing field work should submit a bore log to the West Bengal Housing Board and send the Chart for testing schedule in duplicate for testing the undisturbed soil samples for performing the various special tests as provided in Part-II of the conditions of contract. An interim short report in duplicate based on field data is also to be furnished after field test.
10. The mobilization charges shall be deemed to be complete after the completion of field and laboratory testing. However, this will not debar for payment to the extent of 80% of mobilization charge after the completion of the work under Part-I.
11. Deputy Director(EP) reserves the right to delete any or all the items of work under any of the Groups under Part-I& Part-II shown in schedule of items and quantities of this contract for which the contractors will have no claim for reduction in the quantum of value of the work.
12. On completion of all field and laboratory tests for the above site a detail report in bound books should be submitted to the Board in six copies. This report would include all filed and laboratory test result and a recommendation regarding safe bearing capacity of soil for design of foundation and possible different types of foundation. This report would also include any precautions to be taken during construction of foundations and structure. Detail calculation for bearing capacity and settlement should also furnished in the report.
13. The time allowed for the work is Two (2) months from the date of work order.
14. Laboratory Testing Schedule in proforma is to be approved by Engineer-in-Charge before taking up Lab.Test.

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Specific Rate quoted with approximate quantity for the work of "Sub-Soil exploration including testing for proposed 1(one) no. (G+6) storied Residential Apartment Building at Himalay Kanya Housing Project, Phase-IV, Siliguri, and 1(one) (G+4) Storied Residential Cum Commercial Apartment Building and 1 (one) No. (G+4) Storied Residential Building at Mathkal-Nimta Housing Project, Phase-IIA" under West Bengal Housing Board.

Sl.no.	Description of Item	Unit	Qty.	Rate	Amount
1	Mobilisation Charges of all tools & Plants along with accessories, material, labour, supervision etc. at site of work required in connection with boring and of work required in connection with boring and testing work, including setting up boring rigs and shifting to different Bore-hole points etc. and also including withdrawal of same from the site after completion of work, complete as per direction of Engineering -In-Charge				
	a) Detailed Investigation	L.S.	1		
2	Labour for making Bore-Holes of 150mm to 250mm dia. by any standard method to any depth below ground level / bed level in all kinds of soil like clay, silt, sand, stiff clay, mixed soils etc. except rocks (for the purpose of collecting Disturbed & Un disturbed soil samples, conducting Standard Penetration Test at suitable intervals etc.) including preparation and submission of bore-log as per IRC : 75 and 78 and Clause 2400 of Specifications for Road & Bridge Works (5th Revision), Published by IRC, and also including hire charges of tools and plants complete as per the direction of Engineer-in-Charge				
	a) When drilling mud "Bentonite of suitable consistency" is used to prevent collapse of bore hole				
	(A) Himalay Kanya Housing Project, Phase -IV, Siliguri				
	i) Depth 0 to 10m	Metre.	20.0		
	ii) Depth greater than 10m and upto 20m	Metre.	20.0		
	(iii) Depth greater than 20m and upto 30m	Metre.	10.0		
	(B) Mathkal-Nimta Housing Project, Phase -IIA				
	i) Depth 0 to 10m	Metre.	30.0		
	ii) Depth greater than 10m and upto 20m	Metre.	30.0		

Sl.no.	Description of Item	Unit	Qty.	Rate	Amount
	(iii) Depth greater than 20m and upto 30m	Metre.	15.0		
3	Performing test on distributed /undistributed soil samples as per standered procedure including tabulation of test result in prescribed proforma as per direction of E.I.C				
	A. Laboratory Investigation:				
	i) Liquid Limit as per IS 2720 (Part – V)	each	24		
	ii) Plastic Limit as per IS 2720 (Part – V)	each	24		
	iii) Grain size analysis by Sieving as per IS 2720 (Part – IV)	each	24		
	iv) Grain size analysis by Hydrometer Method as per IS 2720 (Part – IV)	each	24		
	v) Determination of Water Content as per IS 2720 (Part – II	each	24		
	vi) Determination of Specific Gravity as per IS 2720 (Part – III).	each	12		
	vii) Direct Shear Test as per IS 2720 (Part – XIII)	each	12		
	viii) Determination of Unconfined Compression Strength as per IS 2720 (Part – X)				
	a) Undisturbed	each	12		
	b) Remoulded.	each	12		
	ix) Tri-Axial Shear Test.				
	a) Determination of Shear strength Parameters of a specimen tested in Consolidated Undrained Tri-axial compression Test with measurement of pore water pressure as per IS 2720 (Part –XI)	each	24		
	x) Determination of Consolidation Properties as per IS 2720 (Part – XIV)	each	12		
	B) Field Investigation:				
	a) Collection of Samples from the bore hole made from Shallow boring by auger and collection of disturbed sample upto 10m. Depth (In Clayey Silty soil)	each	40		
	b) Collection of Undisturbed soil sample from the bore hole to be made by the concerned Division / Party at their cost.				
	(i) Depth 0.0m - 10.0m	each	16		
	(ii) Depth greater than 10.0m and upto 20.0m	each	16		

Sl.no.	Desription of Item	Unit	Qty.	Rate	Amount
	(iii) Depth greater than 20.0m and upto 30.0m	each	10		
	c) Standard Penetration Tests (S.P.T.) by Split Spoon Sampler in the bore hole as per IS 2131				
	(i) Depth 0.0m - 10.0m	each	24		
	(ii) Depth greater than 10.0m and upto 20.0m	each	24		
	(iii) Depth greater than 20.0m and upto 30.0m	each	10		
4	Preparation and submission of report in 3 (Three) copies, giving all relevant information data like site plan, Bore log and water table, test results, calculations, discussions, suggestions and recommendations in respect of suitable foundation etc. including determination of silt factor calculation of waterways and complete design of foundation including analysis of Bearing Capacities and settlements in bound and presentable form complete as per direction of Engineer-in-Charge				
	a) Detailed Investigation	L.S.	1		
				TOTAL Rs,	