KM MUNSHI SADAN, BVB-DELHI KENDRA. NEW DELHI

GENERAL AND SPECIAL

CONDITIONS OF CONTRACT

ARCHITECTS & CAMPUS PLANNERS NEEV ARCHITECTS, INTERIOR AND URBAN DESIGN CONSULTANTS PVT.LTD. REGD.OFFICE: D – 202, VIDISHA APARTMENTS, 79, IP EXTENSION, DELHI - 110092 TEL: 011-42750496 STUDIO: 1F-CS-10,ANSAL PLAZA,SECTOR 1, VAISHALI-201010 DISTT.GHAZIABAD TEL/FAX:0120-412535 Email: <u>neev.aiudcpl@gmail.com www.neevaiudcpl.org</u>

NOTICE INVITING TENDER

Ref. No. Registrar-BVB-DK/Tend/2024

Dated: 27th FEB, 2024

То

SUBJECT: TENDER OF AGENCY FOR GEOTECHNICAL INVESTIGATION , KM MUNSHI SADAN, BVB-DELHI KENDRA NEW DELHI.

Dear Sir,

The Bhartiya Vidya Bhavan – Delhi Kendra invites tender for Geotechnical Investigation for the proposed KM Munshi Sadan . The details of the Tender are given as under:

- 1. Sealed item rate tenders are invited for and on behalf of **Registrar**, **Bharatiya Vidya Bhavan Delhi Kendra** for the subject work as detailed below.
- 2. A copy of tender documents may be collected from our office on any working day for submitting your offer if you so desire from 27th Feb, 2024 onwards. The drawings are attached with the tender.

| 3. | Name of work | : | KM MUNSHI SADAN, BVB-DK, NEW DELHI |
|----|------------------------------------|---|--|
| | Estimated Cost of the Projects | : | 3 Lacs |
| | Time Schedule | : | 1 Month |
| | Tenders to be submitted to | : | Registrar, BHARTIYA VIDYA BHAVAN, NEW DELHI |
| | Last date for submission of tender | : | , 5 th March 2024 by 2:00p.m. |
| | Issue of Tender | : | Office of Registrar, Bhartiya Vidya Bhavan , New Delhi or website of BVB; <u>www.bvbdelhi.org</u> |
| | Opening of Tender | : | 6 th March, 2024 at 3.00 pm. |

4. Mode of submission of Tender

The Tender shall be submitted in sealed envelopes containing all the tender documents.

Tenderers are requested to quote strictly as per the terms and conditions, specifications, standards given in the tender document and not to stipulate any deviations. However, deviations, if unavoidable, should be indicated in a separate proforma given in the tender document, indicating the specific page number and clause number against which the deviations are taken.

5.0 BVB reserves the right to accept/reject any or all tenders without assigning any reasons.

Kindly acknowledge the receipt of this letter with all enclosures and confirm that you will submit your offer by the due date.

Thanking you,

Yours faithfully, For Bhartiya Vidya Bhavan,

Registrar

Encl: As stated above.

TENDER ANNOUCEMENT KM MUNSHI SADAN, BHARTIYA VIDYA BHAVAN-DELHI KENDRA, NEW DELHI

BVB invites Tender for Geotechnical Investigation for KM Munshi Sadan, New Delhi .

The approximate estimated cost of the above work is Rs. 3 lacs. The short-listed firms fulfilling the qualifying criterion is detailed below. The details of prequalification criteria for the short listing of the firms are given in the BVB's Website. For any clarification and queries.

Prequalification Criterion

1. The complete profile of the firm along with organizational structure.

| The intending firms should have satisfactorily | |
|--|---|
| completed | |
| 1. Two similar works each of minimum Rs. 1.8 | |
| lacs, in the last one year or | |
| 2. One similar work for Rs. 2.4 lacs during the | |
| last one year ending 31 st March 2023. At least | |
| one completed work should be in Central / | |
| State Government Organization/ Central | |
| autonomous bodies /Central Public sector | |
| under taking / PSU / Private Sector. | |
| 3. The firm's annual financial turnover | |
| should be at least Rs.30 lacs. during the | |
| immediate last three financial year ending | |
| 31 st March 2023. | |
| 4. IT return acknowledgement for the last three | |
| years. | |
| | ompleted Two similar works each of minimum Rs. 1.8 lacs, in the last one year or One similar work for Rs. 2.4 lacs during the last one year ending 31st March 2023. At least one completed work should be in Central / State Government Organization/ Central autonomous bodies /Central Public sector under taking / PSU / Private Sector. The firm's annual financial turnover should be at least Rs.30 lacs. during the immediate last three financial year ending 31st March 2023. IT return acknowledgement for the last three |

The firms should have proven experience of minimum Ten Years.
 Complete list of machinery and equipments and details of Technical Manpower along with supporting staff and in house Soil Analysis capability duly signed and sealed on company's letter head.

- **3.** Copies of completion and **Performance Certificates** (duly attested) for similar scope of works issued by the officer of the Client / Department of the rank of Executive Engineer / equivalent or the Head of the Institution will have to be furnished along with the application. The completion certificate must clearly indicate the following:
 - The date of completion of work with cost of completed work with letters of successful completion. Nature and scope of work, Time period of completed (attached Client's List)
 - Similar work means equivalent geotechnical investigations.
 - The firms are advised to enclose attested copies of all relevant documents along with valid PAN, PF, ESI, GSTN if applicable, and Labour Cess, company turn over ISO etc. registration and other related documents along with the EOI.
 - The firm should have valid PF, ESI, GSTN if applicable, Registration in Delhi at the time of Prequalification.

The interested firms are requested to submit documents in hard copy and soft copy as required up to 5th March, 2024 at 2:00 pm to the office of the Registrar.

BVB reserves the rights to increase or decrease the quantum of work during the execution of work and to accept / reject full / part proposal without assigning any reason thereof.

Sd/ Registrar

GENERAL INSTRUCTIONS TO TENDERERS

SUBMISSION OF TENDER

Tenders must be submitted in original and as per details given in other clauses/Formats enclosed and Appendices given hereunder. The rates shall be filled in Part-II as per the Schedule given in the tender documents. Reservations, if any, regarding the tender conditions should be clearly brought out in a separate letter accompanying the tender.

Addenda to this tender document, if issued, must be signed and submitted along with the tender document.

DOCUMENTS

The tenders, as submitted, will consist of the following:

- i. Complete set of tender documents as issued duly filled in and signed by the tenderer as prescribed in different clauses of the Tender Document and Formats provided.
- ii. Power of Attorney by the authorized representative who has signed the tender.
- iv. Information regarding tenderer in the Performa/Formats enclosed.
- vi. Declaration regarding the tenderer's work of comparable document shall be referred to Architect/Engineer-in-Charge and his interpretations regarding correction shall be final and binding on contractor.

All Pages to be Initialed

All signatures in tender documents shall be dated as well. All pages of tender documents shall be initialed at the lower right hand corner or signed wherever required in the tender papers by the tenderer or by a person holding power of attorney authorizing him to sign on behalf of the tenderer before submission of tender.

Rates to be in Figures and Words

The tenderer should quote in English both in figures as well as in words the rates and amounts tendered by him in the Schedule of Rates for each item and in such a way that interpolation is not possible. The amount for each item should be worked out and entered and requisite totals given of all items, both in figures and in words. The tendered amount for the work shall be entered in the tender and duly signed by the tenderer.

Corrections and Erasures

All corrections and alterations in the entries of tender paper will be signed in full by the tenderer with date. No erasures or over writings are permissible.

Signing of Tender

The tender shall contain the name, residence and place of business of person or persons making the tender and shall be signed by the tenderer with his usual signature. Partnership firms shall furnish the full names of all partners in the tender. It should be signed in the partnership name by all the partners or by duly authorized representative followed by the name and designation of the person signing. Tender by Corporation shall be signed by an authorized representative, and in Power of Attorney in that behalf shall accompany the tender. A copy of constitution of the firm with names of all partners shall be furnished.

Where a tenderer signs a tender in a language other than English, the total amount tendered should, in addition, be written in the same language. The signature should be attested by at least one witness.

Witness:

Witnesses and sureties shall be persons of status and property and their names, occupation and address shall be stated below their signatures.

Details of Experience

The tenderer should enclose documentary proof to show that he has previous experience in having successfully completed in the recent past works of this nature together with the names of Owners, location of sites and values of contract. Refer Formats enclosed

Transfer of Tender Documents

Transfer of tender documents purchased by one intending tenderer to another is not permitted.

VALIDITY

Tenders submitted by tenderers shall remain valid for acceptance for a period of Three months from the date of opening of the tender. The tenderers shall not be entitled during the said period of three months, without the consent in writing of REGISTRAR, BVB to revoke or cancel his tender or to vary the tender given or any terms thereof.

ADDENDA

Addenda to the tender document may be issued prior to the date of opening of the tenders to clarify documents or to reflect modifications in the design or contract terms.

Each addendum issued by the Architect/Engineer-in-Charge will be published on the website of Bhartiya Vidya Bhavan and is required to be downloaded by the bidder. Each bidder will retain one copy of each addendum for submission along with his tender and return one signed copy to the Architect/Engineer-in-Charge as acknowledgement of receipt of the addendum. All addenda issued by the Architect/Engineer-in-Charge shall become part of Tender Documents.

RIGHT TO ACCEPT OR REJECT TENDER

The right of acceptance of tender will rest with REGISTRAR, BHARTIYA VIDYA BHAVAN However, REGISTRAR, BHARTIYA VIDYA BHAVAN does not bind itself to accept the lowest tender, and reserves to itself the authority to reject any or all the tenders received without assigning any reason whatsoever. The whole work may be split up between two or more contractor or accepted in part and not entirely, if considered expedient.

Tenders in which any of the particulars and prescribed information are missing or are incomplete in any respect and/or the prescribed conditions are not fulfilled are liable to be rejected.

Canvassing in connection with tenders is strictly prohibited and tenders submitted by the Tenderers who resort to canvassing will be liable to rejection. Tender containing uncalled for remarks or any additional conditions are liable to be rejected.

Bhartiya Vidya Bhavan reserves the right to enhance or reduce the scope of work for which no compensation will be admissible and paid.

TIME SCHEDULE

The important deadlines are given as under along with dates of Final handing over.

| Submission of Tender | : 5 th . March , 2024 |
|--|--|
| Opening of Tender- Technical and Price Bid | : 6 th March , 2024 - 3.00 pm |
| Award of Work | : 11 th . March 2024 |
| Mobilization Period | : 12 March, 2024 to 19 th . March, 2024 |
| Commencement of Work | : 20th. March, 2024 |

Schedule of Handing Over of Final Report: 18th April, 2024

(This shall be signed and submitted along with the tender on the Letter Head of the firm.)

COLLECTION OF DATA-TENDERER'S RESPONSIBILITY

The tenderer shall visit the site and acquaint him fully of the site and no claims whatsoever will be entertained on the plea of ignorance of difficulties involved in execution of work or carriage of materials.

The successful Bidder will be issued Work Order by Registrar, Bhartiya Vidya Bhavan- Delhi Kendra, New Delhi.

To, The Registrar, Bhartiya Vidya Bhavan, KG Marg, New Delhi- 110 001

Sub: Application for Tender towards Geotechnical Investigation for KM Munshi Sadan, Bhartiya Vidya Bhavan, New Delhi

Dear Sir,

With reference to your NIT Under Ref: Registrar-BVB-DK/Tend/2024, dated 27th Feb, 2024, I/We, having examined all relevant documents and understood their contents, hereby submit our request for Bidding in above mentioned Tender. The request is unconditional and unqualified.

- 1. All information provided in this request and in the attached formats are true and correct and all documents accompanying such request are true copies of their respective originals.
- 2. This statement is made for the express purpose of participation in the tender for BHARTIYA VIDYA BHAVAN for selection as Contractors for the aforesaid Project.
- 3. I/We shall make available to BHARTIYA VIDYA BHAVAN any additional information it may find necessary or require to supplement or authenticate this Request for registration.
- 4. I/We acknowledge the right of BHARTIYA VIDYA BHAVAN to reject our application without assigning any reason or otherwise and hereby waive our right to challenge the same on any account whatsoever.
- 5. I/We certify that in the last three years, we have neither failed to perform on any contract, as evidenced by imposition of a penalty by an arbitral or a judicial pronouncement or arbitration award, nor been expelled from any project or contract nor have had any contract terminated for breach on our part.
- 6. I/We declare that:
- (a) I/We have examined and have no reservations to the Tender Documents, all its annexure, including any Addendum if issued by BHARTIYA VIDYA BHAVAN;
- (b) I/We do not have any conflict of interest in accordance with the terms of the Tender Document;
- (c) I/We have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice, in respect of any tender or request for proposal issued by or any agreement entered into with BHARTIYA VIDYA BHAVAN or any other public sector enterprise or any government, Central or State; Private sector entities and
- (d) I/We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice.
- 1. I/We declare that We/any member of the firm/company, are/is not a member of a/any other firm/company applying for the Tender.
- 2. I/We certify that in regard to matters other than security and integrity of the country, we or any of our subcontractors have not been convicted by a Court of Law or indicted or adverse orders passed by a

regulatory authority which would cast a doubt on our ability to undertake the Construction Activity for the Project or which relates to a grave offence that outrages the moral sense of the community.

- 3. I/We further certify that in regard to matters relating to security and integrity of the country, we have not been charge-sheeted by any agency of the Government or convicted by a Court of Law for any offence committed by us or by any of our associates/sub contractors.
- 4. I/We further certify that no investigation by a regulatory authority is pending either against us or against our Associates/sub contractors or against our CEO or any of our Directors/Managers/employees.
- 5. I/We hereby irrevocably waive any right or remedy which we may have at any stage at law or howsoever otherwise arising to challenge or question any decision taken by BHARTIYA VIDYA BHAVAN in connection with the selection of Contractor or in connection with the Selection Process itself in respect of the above-mentioned Project.
- 6. I/We agree and understand that this request is subject to the provisions of the Bid/Tender document and annexures. In no case, I/We shall have any claim or right of whatsoever nature if the work for the Project is not awarded to me/us.
- 16. I/We agree to keep this offer valid for 90 (Ninety) days from the Date of submission of Bid/Tender.
- 17. A Power of attorney in favour of the authorised signatory to sign and submit this Bid and documents is also attached herewith in Appendix VI.
- 18. In the event of my/our being selected as the Geo technical Agency, I/We agree to execute work on the basis of the Work Order to be issued by BHARTIYA VIDYA BHAVAN. We agree not to seek any changes in the aforesaid form and agree to abide by the same.
- 19. I/We have studied the Bid/Tender and all other documents carefully and also surveyed the Project Site. We understand that except to the extent as expressly set forth in the Agreement, we shall have no claim, right or title arising out of any documents or information provided to us by BHARTIYA VIDYA BHAVAN or in respect of any matter arising out of or concerning or relating to the Selection Process including the award of work.
- 20. I/We agree and undertake to abide by all the terms and conditions of the BHARTIYA VIDYA BHAVAN Bid/Tender Document. In witness thereof, I/we submit this Request under and in accordance with the terms of the BHARTIYA VIDYA BHAVAN Bid/Tender Document.

Yours faithfully,

(Signature of the Authorized Signatory) (Name and designation of the Authorized Signatory) (Name and seal of the Firm)

Appendix II

NAME OF WORK :

NAME OF TENDERER

PROPOSED SITE ORGANISATION

:

The tenderer is to indicate here the proposed site organization be proposes to set up for execution of the work. It is understood that this will be augmented from time to time depending on the requirements for timely completion of work, as per Bid Document. (Refer Format enclosed)

Bio-data of Site-in-Charge & Key Personnel

SIGNATURE OF TENDERER

Appendix III

INFORMATION ABOUT THE TENDERER

- A. In case of individual
 - i. Name of Business; His age and father's name
 - ii. Whether his business is registered
 - iii. Date of commencement of business
 - iv. Whether he pays Income Tax over Rs.10, 000/- per year.

B. In case of Partnership

- i. Name of Partners
- ii. Whether the partnership is registered
- iii. Date of establishment of firm
- iv. If each of the partners of the firm pay income tax over Rs.10, 000/- a year and if not which of them pays the same.
- v. Copies of partnership deed, if any.
- C. In case of Company Limited by Shares or Company Limited by Guarantees.
 - i. Amount of paid up capital
 - ii. Name of Directors
 - iii. Date of Registration of Company
 - iv. Copies of the last two (2) years balance sheet of the Company.
 - v. Certified copies of Memorandum and Articles of Association of Company.

SIGNATURE OF TENDERER

Appendix IV

NAME OF WORK :

NAME OF TENDERER :

EXCEPTIONS AND DEVIATIONS

As pointed out in the Notice Inviting Tender, Tenderer may stipulate here exceptions and deviations to the tender conditions, if considered unavoidable.

| SI.No | Page No. of | Cl. No. of | Subject | Deviation |
|-------|-------------|------------|---------|-----------|
| | | | | |

APPENDIX

SUMMARY OF SALIENT ASPECTS

| 01. | Validity of offer | : | 90 days |
|-----|--|---|---|
| 03. | Date of Commencement | : | Five days after award of Tender |
| 03. | Period for Honoring of Certificates | : | 15 days from submission of Bills |
| 04. | Submission of final bill | : | Within 10 days from the date of virtual completion. |
| 05. | Mobilization advance | : | 10% of the contract value against Bank Guarantee |
| 06 | Stages of payment | : | One Interim Payment of 40 % of the Award value Final payment on Submission of Final Report |
| 07. | Period of Completion | : | One calendar month |
| 07. | Penalty | : | 0.5 % per week to maximum of 10% of the contract value. |

SIGNATURE OF TENDERER DATE :

Seal

PLACE :

Format 1

Format 1- Particulars of Key Personnel

| S | Designation | of | Кеу | Name | Educationa | Length of | Present Employm | ent | No. | of |
|-----|-------------|----|-----|------|-------------|------------|-----------------|----------|---------|----|
| no. | Personnel | | | | T | Profession | | Eligible | | |
| | | | | | Qualificati | al | Name of Firm | Employe | Assignm | en |
| | | | | | on | Experience | | d Since | ts | |
| 1 | | | | | | | | | | |

Format 2

FORMAT- 2

Experience of Key Personnel-@

Name of Key Personnel: _____

Designation: _____

| S.No | Name c | of | Name of | Estimated | Name of | Designation | Date of | Mandays |
|------|----------|----|---------|-----------------|-----------|-------------|------------|---------|
| | Project* | | Client | capital cost of | | of the Key | • | spent |
| | | | | project (in Rs | | Personnel | of project | |
| | | | | cr.) | Кеу | on the | assignment | |
| | | | | | Personnel | project | | |
| | | | | | worked | | | |
| (1) | (2) | | (3) | (4) | (5) | (6) | (7) | (8) |
| . , | | | | | | | | |
| 1 | | | | | | | | |
| | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 5 | | | | | | | | |
| L | | | | | | | | |

@ Use separate Form for each Key Personnel.

* The names and chronology of projects included here should conform to the project-wise details submitted in Format 3.

Note: The bidder may attach separate sheets to provide brief particulars of other relevant experience of the Key Personnel.

Format 3

FORMAT- 3

Format of Curriculum Vitae (CV) of Key Personnel

- **1.** Proposed Position:
- 2. Name of Personnel:
- 3. Date of Birth:
- 4. Nationality:
- 5. Educational Qualification:
- 6. Employment Record:

(Starting with present position, list in reverse order, every employment held.)

7. List of projects on which the Personnel has worked

| Project Name | Description of responsibilities |
|--------------|---------------------------------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |

8. Details of the current assignment and the time duration for which services are required for the current assignment.

Certification:

- 1. I am willing to work on the Project and I will be available for entire duration of the Project assignment as required.
- 2. I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications and my experience.

(Signature and name of the Key Personnel)

Place:

(Signature and name of the authorized signatory of the Bidder)

Notes:

- 1. Use separate form for each Key Personnel
- 2. The names and chronology of assignments included here should conform to the project-wise details submitted in Format 2.
- 3. Each page of the CV shall be signed in ink and dated by both the Personnel concerned and by the Authorized Representative of the Participant firm along with the seal of the firm. Only true copies will be considered for evaluation.

Experience of the Contractor#

| S.No | Name of Project | Name of Client | Estimated/Executed capital cost of Project (in Rs cr.) | Payment## received by the Bidder (in Rs Cr) |
|------|-----------------|----------------|--|---|
| (1) | (2) | (3) | (4) | (5) |
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |

The Participant should provide details of only those projects that have been undertaken by it under its own name.

* The names and chronology of Eligible Projects included here should conform to the project-wise details submitted in .

All Documents to be Self Attested as self disclosure of correct information.

Eligible Assignments of Contractors for Similar Projects

(refer Conditions of Eligibility in the NIT)

| Name of Bidder: | |
|--|--|
| Name of the Project: | |
| Description of services performed by the firm: | |
| Name of client and Address: | |
| (Indicate whether public or private entity) | |
| Name, telephone no. and fax no. of client's representative: | |
| Estimated capital cost (in Rs Lacs.): | |
| Area (Total Built up Area): | |
| Payment received by the Bidder(in Rs. Lacs): | |
| Start date and finish date of the services (month/ year): | |
| Brief description of the project: | |
| | |

Notes:

1. Use separate sheet for each Eligible Project.

2. The Bidder may attach separate sheets to provide brief particulars of other relevant experience of the Bidder for similar Projects.

Statement of Deployment of Personnel (To be mentioned from the date of signing of agreement)

| | Designation | Name | Man-Days (MD) | | | Week Numbers | | | | | | | | | | | | | | | |
|-----------|-------------|------|-----------------------|--|---|--------------|---|---|---|---|--|--|--|--|--|--|--|--|--|---|--|
| S. No. | | | At Project Site | Away from Project Site (specify) | 1 | 2 | 3 | 4 | 5 | 6 | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 1 | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Tota | l Man-days | | | | | | | | | | | | | | | | | | | | |

• Use Landscape Format on separate Sheet

Tentative Work Program (To be mentioned from the date of signing of agreement)

| S. No. | Activities | Weeks | Week Numbers-Start/End Date | | | | | | | | | | | | | | | | | |
|-----------|------------|-------|-----------------------------|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | |

Name of Building:

| Project | KM Sadan - BVB- Delhi Kendra | | | | | | | |
|-----------|--|-------|------|------|-----|--|--|--|
| Sub : | Soil investigation at Madhavrao Scindia Marg Delhi . | | | | | | | |
| Quotation | | | | | | | | |
| S.No. | PARTICULARS | QTY | UNIT | RATE | AMT | | | |
| 1.0 | Mobilization of necessary plant equipment, men and material for the complete Geotechnical Investigation work as per specification, drawing and instructions of the engineer and complete the same within stipulated time schedule & Mobilization. | LS | 1.0 | | | | | |
| 2.0 | Making 150 mm nominal diameter boreholes at various locations in soil using suitable approved method of boring including cleaning providing casing pipe as required or as per specification and performing standard penetration test (SPT) as Per IS:2131-1981. Taking disturbed soil sample every 1.5 m interval or at change of strata including collection & observation of water samples etc. collection of undisturbed soil samples at every 3.0 interval or at change of strata including transportation of all the collected sample to the laboratory and back filling of boreholes complete as per direction of Engineer in charge . | | | | | | | |
| a) | Bore depth up to 25.0 mtr. from existing GL | 100.0 | mtr | | | | | |
| 3.0 | (Depth of Measurement (i.e.4 no BH @ 25 m each) Conducting various laboratory tests on soil sample & obtaining properties of soil all complete as per specification | Each | 25 | | | | | |
| i | Bulk & Dry Density | Each | 30 | | | | | |
| ii | Sieve Analysis | Each | 50 | | | | | |
| iii | Hydrometer Analysis | Each | 15 | | | | | |
| iv | Liquid and plastic limit | Each | 15 | | | | | |
| v | Shrinkage limit | Each | 5 | | | | | |
| vi | Specific gravity | Each | 30 | | | | | |
| vii | Standard proctor test | Each | 10 | | | | | |
| viii | Swell pressure | Each | 10 | | | | | |
| ix | Free swell index | Each | 10 | | | | | |
| x | unconfined compression Strength | Each | 20 | | | | | |
| xi | Direct Shear Test | Each | 20 | | | | | |
| xii | Tri-axial Shear Test | | 10 | | | | | |
| xiii | Unconsolidation Undrained test | Each | 20 | | | | | |

| 4.0 | Performing plate load test at various locations as | | | |
|-----|--|------|-------|--|
| | per IS:9214-1979 for assessment of Modulus of | | | |
| | Subgrade Reaction at proposed foundation level. | | | |
| | The load test shall be carried out by reaction | | | |
| | loading method on the plate size of 45cm dia at 3.0 m depth | | | |
| | below EGL as per direction of Engineer in to charge. Observation | | | |
| | of settlement through dial gauges based on applied load as per | | | |
| | standard practice complete along with submission of Report | | | |
| a) | Plate load test on 45.0 cm dia circular Plate | Each | 2 | |
| 5.0 | Performing Liquefaction analysis of sub soil AS per IS:1893-2016 | LS | 1 | |
| | based on the parameter obtained from the field & laboratory | | | |
| | investigation along with recommendation of appropriate | | | |
| | foundation of the proposed structure . | | | |
| 6.0 | Submitting draft report in three copies and final report in 3 | LS | 1 | |
| | copies after the approval of draft report including all field | | | |
| | records and laboratory test results graphs and recommendation | | | |
| | etc. complete as per specification. | | | |
| 7.0 | Water Table | | | |
| | | | Total | |
| | | | Amt. | |
| | | | CGST | |
| | | | @ 9% | |
| | | | SGST | |
| | | | @ 9% | |
| | | | Gross | |
| | | | Total | |





