



**NATIONAL BANK FOR AGRICULTURE AND
RURAL DEVELOPMENT**

ODISHA REGIONAL OFFICE

TENDER DOCUMENT

**SELECTION OF STRUCTURAL CONSULTANT FOR
NON- DESTRUCTIVE TESTING Of Office Building, Officers'
Quarters and Staff quarters' of NABARD at Bhubaneswar,
Odisha**

ISSUED TO

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Last Date for Submission of Tender: 28 April 2017

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**Quotation For Selection Of Structural Consultant For Non-Destructive
Testing Of Office Building, Officers' Quarters and Staff
quarters' of NABARD at Bhubaneswar, Odisha**

Issued to M/s.

Last date for submission :

Application to be addressed to : **Dr. K.C.Panigrahi**
Chief General Manager
NABARD,
2/1,Ankur,
Civic Centre
Nayapalli, Bhubaneswar-751015

I/We have read and understood the instructions and the terms and conditions contained in the application form. I/We do hereby declare that the information furnished in the application and in the supplementary sheets including Annexures from pages _____ to _____ are correct to the best of my/our knowledge and belief.

Signature: _____

Name : _____

Designation: _____

Address : _____

Place:

Date:

Seal of applicant:

Instructions to the applicants

Quotation For Selection Of Structural Consultant For Non-Destructive Testing Of Office Building, Officers' Quarters and Staff quarters' of NABARD at Bhubaneswar, Odisha

NABARD invites applications under "Two Bid System" on prescribed forms for the aforesaid work in order to empanel reputed Consultancy Firms/Companies engaged in conducting structural audit, Non-destructive testing of structures & allied works of multi-storied building in Bhubaneswar. Details of the building to be assessed are mentioned in the Annexure I.

Applications are invited from Consultants/ Agencies/Engineering Research Institutions with adequate qualified supporting staff and who have successfully completed the Structural condition assessment through various NDTs for major complexes (including furnishing of detailed report of the test, BOQ for preparing tender documents for carrying out rehabilitation work and Supervision of rehabilitation work) involving Residential/Official/Commercial RCC buildings of the Government/Semi-Government/Government Undertaking/Private Body.

Filled in applications as Technical Bid (Part-I) and Price Bid(Part-II) shall be submitted separately in two sealed envelopes, duly furnishing all the required information. The sealed envelope for technical bid with the superscription "**Technical Bid for Selection Of Structural Consultant For Non-Destructive Testing Of Office Building, Officers' Quarters and Staff quarters' of NABARD at Bhubaneswar, Odisha**" and sealed envelope for price bid with the superscription "**Price Bid for Selection Of Structural Consultant For Non-Destructive Testing Of Office Building, Officers' Quarters and Staff quarters' of NABARD at Bhubaneswar, Odisha**" and should be addressed to **Dr K.C.Panigrahi**, Chief General Manager, National Bank for Agriculture and Rural Development, 2/1,Ankur,Civic Centre,Nayapalli, Bhubaneswar-751015, so as to reach this office on or before **28th April 2017**

Technical bid will be opened on **28th April 2017 at 15:00pm**. The price bid will be open at a later date only for the technically qualified bidders. The date of opening of the price bid will be communicated to the bidders after the scrutiny of the Technical Bid.

The Earnest Money Deposit of **Rs.20,000/- (Rupees Twenty thousand Only)** by way of Demand Draft drawn on any scheduled Bank in favour of "NABARD" payable at Bhubaneswar as mentioned in Clause 15 of instruction to the applicant shall be submitted along with Part-1 of the Tender.

The Bank reserves the right to accept any or reject all the applications without assigning any reasons therefore.

Instructions to the applicants

1. Intending applicants are required to submit their profile giving details in the enclosed proforma about their organisation, experience, technical personnel in their organisation, spare capacity, competence, etc.
2. In deciding the selection of a Consultant, great emphasis will be given on the ability and competence of applicants to render required services within the specified time frame.
3. Should have successfully completed in last 5 Financial Years, at least three work-orders in the field of Consultancy for Structural Audit of various Buildings including conducting NDT, preparation of BOQ with estimates, drawings/specifications based on NDT for reputed organisations. It is desirable that the firm should have completed one or two similar works and work order inclusive of NDT work and completion certificate issued by clients. Copies should be included.
4. Should submit audited balance sheets / P&L account and Income Tax clearance certificates for the last 3 financial years
5. Should be a member of the Indian Institute of Architects or Council of Architect or Institution of Engineers (India) or similar professional bodies in the field of expertise. The copy of the membership certificate to be furnished. The details is to be filled in Annexure A
6. The application shall be signed by the person/persons on behalf of the organisation having necessary Authorisation/Power of Attorney to do so. Each page of the application shall be signed. (Copy of Power of Attorney/Memorandum of Association shall be furnished along with application).
7. If the space in the proforma & Statement, is insufficient for furnishing full details, such information shall be supplemented on separate sheets of paper stating therein the part of the proforma and serial number. Separate sheets shall be used for each part of application.
8. Applications containing false and/or incomplete information are liable for rejection.
9. While filling up the application with regard to the list of important projects completed or on hand, the applicants shall only include major works.
10. The applicant must have qualified and experienced Engineers in the respective discipline.
11. The applicant must have successfully assessed the condition through NDTs for major Residential/Official/Commercial RCC buildings.
12. Scale of fees including the charges for supervision shall be quoted by the applicant in the price bid separately attached in a sealed envelope as Part-II.
13. Decision of the Bank in regard to determining the qualification of the

Consultants shall be final. The Bank is not bound to assign any reasons therefor.

14. Price bids of only those consultants qualified in the Technical bid will be opened for selection of consultant.
15. The Earnest Money Deposit of **Rs.20,000/- (Rupees Twenty Thousand Only)** submitted along with the tender will be refunded after successful completion of the work.
16. Please furnish a copy of PAN Card, AADHAR Card, Bank account details like Cancelled cheque (including Account number, IFS code, account type etc.)
17. The Bids shall not contain any conditions and in case any conditions are specified, the same shall not be taken into consideration for evaluation and the bid is liable to be rejected.
18. Validity of the offer shall be 90 days from the date of opening of the price bid. (Part -2)
19. NABARD reserves the right to accept or reject any or all tenders, without assigning any reasons whatsoever. The work may be divided and awarded separately among the tenderers either in part or whole, at the sole discretion of NABARD.

All the above conditions are acceptable to me/us.

Signature of the Applicant with full address and office seal

SCOPE OF CONSULTANCY WORK

1. Conducting structural audit including detailed visual inspection and non-destructive test using digital rebound hammer in the buildings of staff quarters of NABARD located at locations mentioned below:

Sr.No	Location	No.of Buildings/ Blocks	No. of floor/ flats
1	Office Premises, Nayapalli, Bhubaneswar, Odisha	1	G +3
2	NABARD Officers Quarters, BDA Colony CS Pur, Bhubaneswar, Odisha	6	72 flats, G+2 (12 flats) in each building three out of six Buildings are 2 BHK flats and other three Buildings are 3 BHK flats, constructed on load bearing walls with structural members in staircase area etc.
3	NABARD Staff quarters, BDA Colony CS Pur, Bhubaneswar, Odisha	5	65 flats,3 buildings are Stilt /Parking+3, 2 buildings are G+3 (floors),which are constructed in a framed structure with columns and beams etc.

2. Tentative details for the number of test to be carried out

SI No	Name of Test	Office	NBOQ	NBSQ	Total
1	Re-bound Hammer test	100	150	250	500
2	Ultra sound pulse velocity test	100	150	250	500
3	Core test	8	12	20	40
4	Half-cell potential test	10	15	25	50
5	Carbonisation test	10	15	25	50
6	Chemical test	8	12	20	40

3. Structural audit shall be carried out as a qualitative assessment in accordance with latest guidelines of BIS (Bureau of Indian Standards). Visual health inspection of buildings covering internal, external and common areas using light tapping hammer, marking in floor plans all the visible defects, deterioration and quantification. Preliminary report after conducting visual inspection is to be submitted by incorporating the findings in the aforesaid locations.

4. Assessment of damages of RCC members through NDT (Non-destructive Testing) with calibration chart for the site, through rebound hammer test ,Ultrasonic Pulse Velocity test, Half Cell Potential test, carbonation depth test, core test, chemical test etc, necessity of which will be decided after inspection. The numbers given in the price bid is tentative and NABARD reserves the right to increase and decrease the number of test as per the joint inspection carried out by the representative of the agency and the officer in-charge / Banks Engineer of NABARD.
5. Finding the probable causes of damages, seepage / leakages and status of external plumbing installations.
6. Preparation of detailed report based on visual inspection, NDT, suggesting/ phasing out priority wise repair/ remedial and retrofitting measures.
7. Preparation of detailed estimate for proposed structural repairs of specialized nature with BOQ (Bill of Quantities) along with the rate analysis for the item of works proposed to be carried out for rectification procedure.
8. Pre-repair Planning.
 - a. Evaluation of methodology and repair strategy.
 - b. Detailed estimation of quantities.
 - c. Estimated value of project and Bill of quantities (BOQ)
 - d. Preparation of Tender Documents.
 - e. Assistance for Short listing of qualified bidders.
 - f. Assistance for Pre-qualification of tenders (Bidders).
 - g. Assistance for scrutiny of tenders & comparative statement.
 - h. Project planning, Bar-chart, progress report, alternate arrangement for support system, safety etc
9. Post Repair
 - a. Preparation of Checklist and checking before handover of site
 - b. Checking of building support system restoration.
10. Site visit after completion of repair works
11. Issue a structural fitness certificate after the satisfactory completion of the retrofit and rehabilitation works.

All the above scope of work are acceptable to me/us.

Signature of the Applicant with full address and office seal

SPECIAL CONDITIONS AND STANDARD SPECIFICATION:

General

1. The rates quoted by the Consultant/s shall be all inclusive rates. No material price variation or wages escalation on any account whatsoever the compensation for Force majeure etc. shall be payable under the contract.
2. The consultant within the rates quoted prepare working plan for NDT and get the same approved from Banks Engineer before execution. This will determine the final scope of work at the site.
3. The consultant will remove all surplus and released material from the site of work after NDT. The consultant will also, at the direction of the site in-charge, rehandle his material in use to avoid any inconvenience without any extra cost. In case of default, NABARD may get the work done at the cost of the consultant by giving him 48hours notice in normal case or without any notice in case of an emergency which is causing complaints from flat/apartment/office occupant.
4. In case of any dispute regarding interpretation of any of the Special Condition of Contract, decision of the Chief General Manager, CGM, NABARD will be final and binding on the consultant/s.
5. The consultant shall take insurance covers (i.e.All Risk Policy) as specified elsewhere in the contract at his own cost. The policy shall be taken in joint names of the consultants and Employer.
6. The whole of work included in the contract shall be executed by the consultant and he shall not directly entrust and engage or indirectly transfer assign or underlet the contract or any part or share thereof or interest therein without the written consent of the Employer through the Engineer and no undertaking shall relieve the consultant from the responsibility of the consultant from active superintendence of the work during its progress.
7. Request for extension of time, to be eligible for consideration, shall be made by the consultant in writing of the happening of the event causing delay. The Consultant may indicate in such a request the period for which extension is desired.
8. Situations where NDT is an option to consider for investigation of *in situ* concrete
 - to investigate the homogeneity of concrete mixing lack of grout in post tensioning ducts
 - to determine the density and strength of concrete in a structure
 - to determine the location of reinforcing bars and the cover over the bars
 - to determine the number and size/diameter of reinforcing bars
 - to determine the extent of defects such as corrosion

- to determine the location of in-built wiring, piping, ducting, etc.
- to determine whether internal defects such as voids, cracks, delamination's, honeycombing, lack of bonding with reinforcing bars, etc. exist in concrete
- to determine if there is a bond between epoxy bonded steel plates and concrete members.

9. Test to be undertaken:

a. Rebound Hammer Test :

Rebound Hammer test is conducted to assess the relative strength and elasticity of concrete onsite based on the hardness at or near its exposed surface. Depending on the age of the concrete structure and carbonation effect some specialized investigation is suggested before conducting the test. It consists essentially of a metal plunger, one end of which is held against the concrete surface while the free end is struck by a spring-loaded mass which rebounds to a point on a graduated scale. The point is indicated by an index rider. The amount of rebound increases with increase in concrete strength for a particular concrete mix. It measures the surface hardness of concrete and provides an estimation of surface compressive strength, uniformity and quality of concrete. User expertise is low and can be readily operated by field personnel. It gives accurate assessment of the strength of the surface layer of material. The entire structure can be tested in its 'as-built' condition. It can be very costly and time consuming as instrumentation is required to measure response. It requires careful planning and can damage structure. The member must be isolated from the rest of the structure prior to the test.

b. Ultrasonic Pulse Velocity (UPV) Test

Ultrasonic Pulse Velocity Test is conducted as per IS 13111 – 1992 to assess the quality of concrete which is suspected to have low compaction, voids (porosity), delamination or damaged material in concrete under test. Ultrasonic Pulse Velocity Test can also be used for the following applications

- Estimation of Strength of Concrete
- Establishing Homogeneity of Concrete
- Studies on Durability of Concrete
- Analysis of Surface Crack Depth
- Determination of Dynamic Modulus of Elasticity

Voltage pulses are generated and transformed into wave bursts of mechanical energy by the transmitting transducer (which must be coupled to the specimen surface through a suitable medium). A receiving transducer is coupled to the specimen at a known distance to measure the interval between the transmission and reception of a pulse. There are three practical arrangements for measuring pulse velocity, namely direct,

diagonal and surface techniques. The direct approach provides the greatest sensitivity and is therefore superior to the other arrangements. Determination of the variability and quality of concrete by measuring pulse velocity. Using transmission method, the extent of such defects such as voids, honeycombing, cracks and segregation may be determined. This technique is also useful when examining fire damaged concrete. Low level is required to make measurements. However, expertise is needed to interpret the results and determining the quality and uniformity of concrete. It can rapidly survey large areas and thick members. Path lengths of 10m to 15m can be inspected with suitable equipment. Proper surface preparation is required. The work is very time consuming as it takes only point measurements. Skill is required in the analysis of results as moisture variations and presence of metal reinforcement can affect results. The interpretation of ultrasonic test results based on published graphs and tables can be misleading. It is therefore necessary that correlation with the concrete to be inspected is carried out. It works on single homogenous material.

c. Electrochemical Half-cell Potentiometer Test

Electrochemical Half-cell Potentiometer test provides a relatively quick method of assessing reinforcement corrosion over a wide area without the need of wholesale removal of the concrete cover. The method of half-cell potential measurements normally involves measuring the potential of an embedded reinforcing bar relative to a reference half-cell placed on the concrete surface. The half-cell is usually a copper/copper sulphate or silver/silver chloride cell but other combinations are used. The concrete functions as an electrolyte and the risk of corrosion of the reinforcement in the immediate region of the test location may be related empirically to the measured potential difference. In some circumstances, useful measurements can be obtained between two half-cells on the concrete surface. ASTM C876 - 91 gives a Standard Test Method for Half-Cell Potentials of Uncoated Reinforcing Steel in Concrete. Quantitative measurements are made so that a structure can be monitored over a period of time and deterioration can be noted. Areas of usage include marine structures, bridge decks, abutments and so on. Used in conjunction with other tests, it has been found helpful when investigating concrete contaminated by salts.

d. Carbonation Test

The method of testing consists of determining the depth of the carbonated layer on the surface of hardened concrete by means of an indicator. Carbonation of concrete occurs when the carbon dioxide, in the atmosphere in the presence of moisture, reacts with hydrated cement minerals to produce carbonates, e.g. calcium carbonate. The carbonation process is also called depassivation. Carbonation penetrates below the exposed surface of concrete extremely slowly. The significance of carbonation is that the usual protection of the reinforcing steel generally present in the concrete due to the alkaline conditions caused by the hydrated cement paste is neutralized

by carbonation. Thus, if the entire concrete covering the reinforcing steel is carbonated, corrosion of the steel would occur if moisture and oxygen could reach the steel. The time required for carbonation can be estimated knowing the concrete grade and using the equation.

e. Concrete Core Extraction and Testing

In most structural investigations, diagnoses extraction of core samples is unavoidable and often essential. Cores are usually extracted by drilling using a diamond tipped core cutter cooled with water. Broken samples, for example, due to popping, spalling and delamination, are also commonly retrieved for further analysis as these samples may provide additional evidence as to the cause of distress. The selection of the locations for extraction of core samples is made after non-destructive testing which can give guidance on the most suitable sampling areas.

For instance, a cover meter can be used to ensure there are no reinforcing bars where the core is to be taken; or the ultrasonic pulse velocity test can be used to establish the areas of maximum and minimum pulse velocity that could indicate the highest and lowest compressive strength areas in the structure.

Moreover, using non-destructive tests, the number of cores that need to be taken can be reduced or minimized. This is often an advantage since coring is frequently viewed as being destructive. Also the cost of extracting cores is quite high and the damage to the concrete is severe.

The extracted cores can be subjected to a series of tests and serve multiple functions such as:

- confirming the findings of the non-destructive test
- identifying the presence of deleterious matter in the concrete
- ascertaining the strength of the concrete predicting the potential durability of the concrete
- confirming the mix composition of the concrete for dispute resolution
- Determining specific properties of the concrete not attainable by non-destructive methods such as intrinsic permeability.

This test is used to determine the compressive strength of a concrete core, which has usually been extracted from an existing structure. The value of compressive strength can then be used in conjunction with other measured properties to assess the condition of the concrete.

Using a masonry saw, the core is first trimmed to the correct test length, which varies upon the standard being adopted. Following trimming, the core will have its ends either ground perfectly flat, or be capped in a material to produce a smooth bearing surface. After the prescribed curing has taken place, the specimen is then crushed to failure noting the maximum load achieved. From the values of load and

dimensions, the compressive strength of the core can be calculated.

All the above special condition and standardization are acceptable to me/us.

Signature of the Applicant with full address and office seal

Terms and Conditions

- 1) Completion Period: 30 days for conducting the Structural audit as per the scope and submission of detailed report of observations and recommendations along with submission of detailed tender documents.

- 2) Mode of Payment:
 - 50% - After submission of visual inspection report and
After submission of NDT analysis report and recommendation.
 - 50% - After completion of the recommended remedial measure and
issue of structural fitness certificate and
After Submission of BOQ and Tender document

- 3) All the Audit reports to be provided in triplicate in hard as well as soft copy.
- 4) Since this is an old building, NABARD will be able to provide only hard copy of the old Documents & Drawings that are available related to the buildings. Any other materials or documents necessary for completing the structural assessment work shall be in the scope of the party.
- 5) All the necessary tools, tackles, instruments, material required for completion of audit shall be in the scope of work.
- 6) The decision of NABARD in awarding the work shall be final and cannot be subjected to arbitration.
- 7) The rates will be inclusive of all taxes and duties. Only Service tax on applicable rates shall be paid extra.

PLEASE REFER THE PRICE BID DOCUMENT FOR FURTHER TERMS & CONDITONS.

I/we accept all the above Terms and Conditions in all respects without any reservation.

Place
Date

Signature
Name & Address (Seal)

ANNEXURE I

Details of the Building

Name of the Building	Date of Completion / Possession	Total plinth (Built-up) Area in Sq.ft	Detail of floors
NABARD Regional Office 2/1,Ankur, CivicCentre Nayapalli, Bhubaneswar-751015	07.10.1989	32625	G+3floors
NABARD Officers' Quarters BDA Colony,Chandrasekharpur,Bhubaneswar-751016	29.10.1990	82,944	G+2 floors- 6 Blocks
NABARD Staff quarters, BDA Colony,Chandrasekharpur,Bhubaneswar-751016	27.10.1994	52361	G+3 in 2 Blocks Stilt/Parking+3 in 3 Blocks

Performa 1: Information to be furnished by the Consultants/ Agencies/ Engineering Research Institutions:

1	Name and registered address		
2	Organisational set up of the firm including names, qualifications and experience of partners/Associates and staff	:	Details to be furnished in the prescribed proforma (Statement I)
3	Whether Registered as a fellow or a member of any of the Institutions like Institution of Engineers , Indian Council of Architecture.		
4	Experience as practicing consultant/Designer (give number of years)	:	
5	Important major structures where NDT conducted during last 5 years by the firm. The full postal address of the clients (including their contact telephone numbers) for whom the works have been executed shall also be given	:	Details to be furnished in the prescribed proforma (Statement II)
6	Important major buildings on which the firm is engaged at present The full address of the clients and their contact telephone numbers shall be indicated against each project	:	Details to be furnished in the prescribed proforma (Statement III)
7	Turnover of the firm during last 5 years (yearwise). Copy of IT return for the last 3 years may be furnished.	:	
8	PAN No.		

Signature of the applicant with full address and office seal

Note: Statements I, II & III are enclosed.

STATEMENT - I

List of technical personnel, giving the technical qualification, experience, including that in the present organization*

Sr. No.	Name	Age	Qualification	Consultancy experience	Nature of works handled	Name of the projects handled	Date from which employed in the present organisation	Indicate special experience, if any
1	2	3	4	5	6	7	8	9

*** Use separate/additional sheets as per the requirement**

Signature of the applicant with full address and office seal

Note: Indicate other points (including clients' certificates), if any, relating to your technical and managerial competency which you would like to bring to our notice.

STATEMENT - II

List of important Projects (structural condition assessment) executed by the Organisation during the last five years*

Sr. No.	Name of the Project and location.	Nature of work involved in the contract (e.g. residential office, etc.).	Name of the owner and indicate whether it is a State Govt./ Govt. of India undertaking or Pvt. body with full address and telephone numbers.	Completion Period		Any other relevant information
				Stipulated	Actual	
1	2	3	4	5	6	7

*** Use separate /additional sheets as per the requirement**

Signature of the applicant with full address and office seal

STATEMENT - III

List of important projects ON HAND being executed by the organisation*

Sr. No.	Name of Project and location	Nature of work involved in the contract (e.g. residential, offices, etc.)	Name of owner and indicate whether it is a State Govt./ Semi- Govt./ Govt. of India Undertaking or Pvt. Body with full address and telephone numbers.	Stipulated date of completion	Expected date of completion	Present stage of work with reasons if the work is getting delayed	Any other relevant information
1	2	3	4	5	6	7	8

*** Use separate /additional sheets as per the requirement**

Signature of the applicant with full address and office seal

UNDERTAKING

The Chief General Manager
NABARD, Odisha Regional Office,
Bhubaneswar.

I/We-----
-----have read the various conditions to Technical bid attached here to and hereby agree to abide by the said conditions. I/We offer to do this work of **“Structural Assessment of Office Building, NABARD Officers Quarters & Staff Quarters through Non-Destructive Testing, Bhubaneswar”** as detailed under scope of work in the event we are pre-qualified for the purpose and hereby bind myself/ourselves to complete the work in all respects. We agree to the condition that our Price Bid will be opened only if we qualify as per the stipulations in the Technical bid document.

I/We also hereby agree to abide by the General Condition of Contract and to carry out the consultancy work according to the Instruction to the contractor, Scope of work and terms & condition as laid down by NABARD.

Signature

Address (complete postal address to be given)

Dated: _____

DECLARATION

I/We agree to notify the officer accepting this application and of National Bank for Agriculture and Rural Development, of any changes in the foregoing particulars as and when they occur and to verify and confirm these.

I / We understand and agree that the competent authority of National Bank for Agriculture and Rural Development has the right as he may decide, not to issue Technical bid form in any particular case and also to suspend, remove or blacklist my / our name from National Bank for Agriculture and Rural Development's list of Consultants in the event of my / our submitting non-bonafide Technical bids or for technical or other delinquency in regard to which the decision of competent authority of National Bank for Agriculture and Rural Development shall be final and conclusive.

I / We certify that the particulars furnished in the enrollment forms are correct and that should it be found that I/We have given a false certificate or that if I / We fail to notify the fact of my / our subsequent amalgamation with another Consultant or firm, the National Bank for Agriculture and Rural Development may remove my / our name from the list of Consultants and any contract that I/We may be holding at the time may be rescinded.

PLACE:

DATE:

SIGNATURE & SEAL OF APPLICANT

Annexure A

**PARTICULARS OF REGISTRATION AS CONSULTANT FOR
STRUCTURAL AUDIT OF BUILDING, NDT AND ALLIED WORKS**

S.No.	Name and address of authority(ies) with whom the firm is registered	REGISTRATION DETAILS	
		Year Is copy of letter enclosed	
(1)	(2)	(3)	(4)

***Copy of License issued by competent authority of govt. should be enclosed.**

SIGNATURE and SEAL

ARTICLES OF AGREEMENT

(On Rs.200/- Stamp Paper)

ARTICLES OF AGREEMENT made on day of month of 2017 between the National Bank for Agriculture and Rural Development, a body constituted by the NABARD Act 1981 and having its Head Office at C-24, G Block, Bandra-Kurla Complex, Bandra(E) Mumbai-400051 and Regional Office at 2/1,Ankur,Civic centre,Nayapalli,Bhubaneswar-751015 (hereinafter called the 'Employer') which expression shall, unless repugnant to the context mean and include its successors and assigns of the one part and M/s

(hereinafter called "Structural Assessment Consultant") which expression shall unless repugnant to the context mean and include its successors and assigns of the other part.

WHEREAS The Employer is desirous of getting executed the work of "**Selection Of Structural Consultant For Non-Destructive Testing Of Office Building, NABARD Officers Quarters & Staff Quarters, Bhubaneswar**".

The Consultant has agreed to execute the said works "**Selection Of Structural Consultant For Non-Destructive Testing Of Office Building, NABARD Officers Quarters & Staff Quarters, Bhubaneswar**" subject to the provisions hereinafter contained and subject also to the Instructions to the applicants, Price Bid, all of which are hereinafter collectively referred to as '**the said conditions**', and the term & condition and Scope of consultancy referred to above at or for the respective rates set out in the price bid annexed hereto, amounting to the sum as hereunder arrived at or such other sum as may become payable hereunder (herein under referred to as the said contract amount).

NOW THEREFORE THIS AGREEMENT WITNESSETH THAT:

1. In consideration of the said Contract Amount to be paid by the Employer to the consultant at the time and in the manner set forth in the said conditions and in accordance with the schedule of payments, the Consultant shall upon completion subject to the said conditions execute and complete the work as described in the said Price Bid.
2. The said Conditions and the price bid thereto shall be read and construed as forming part of this agreement and the parties hereto respectfully abide by, submit themselves to the said condition and perform the agreements on their part respectively contained in said conditions.
3. Quotation documents containing letter to the Consultant, Instructions to the applicants of Contract, Annexure, Statements I,II, and III of Technical Bid, Specifications with scope of consultancy and price bid as per the rates entered therein in the Price Bid, shall be read and stamped forming part of this agreement and the parties hereto shall positively abide by and submit themselves to the conditions and specifications and perform the agreements on their part respectively in conditions contained.
4. This Contract is neither a fixed lump sum Contract nor an item rate Contract, but is a Contract to carry out work to be paid for according to actual measured quantities and rates contained in the price bid and probable quantities provided in the said Conditions.

5. The Employer reserves to itself the right of altering nature of the work by adding to, reducing or omitting any items of work or having portions of the same carried out without prejudice to this Contract.
6. The Consultant should have experienced and competent staff which will enable them to ensure proper quality throughout the consultancy assignment such as tests, analysis of report, preparation of BOQ, monitoring the execution of work and Post condition assessment .
7. The Consultant covenants and warrants that completed items of work will be in conformity with the Scope of consultancy/work and the terms and conditions of Contract and will be of proper quality and description.
8. Time shall be considered as the essence of this Agreement and Consultant hereby agrees to give his effort and cooperation to complete the work at the earliest/ as per contract provisions for execution from the date of issue of work order, nevertheless to the provisions of extension of time as contained in the said conditions.
9. All payments by the Employer under this contract as per clause No. 12 of “Terms and Condition” in the Instructions to the applicants of Price Bid will be made at **Bhubaneswar** by e-payment to the Consultant’s Bank Account only.
10. All disputes arising out of or in any way connected with this agreement shall be deemed to have arisen at **Bhubaneswar** and only court at **Bhubaneswar** shall have jurisdiction to determine the same.
11. This agreement shall be signed in duplicate, the original document shall be kept in the custody of the Employer and the duplicate with the Consultant. Stamp duty shall be borne and paid by Consultant and Employer in equal proportion.

IN WITNESS WHEREOF the Employer has set its hands hereunto through its duly authorized official and the consultant has caused these presents under its common seal/by its duly authorized representative at the place and on the date and year first hereinabove written.

As witness our hands are affixed this..... day of month of 2017

Signed and sealed by the said Employer in the presence of

Witness No.1

Witness No.2

Signed and Sealed by the said Consultant in the presence of

Witness No.1

Witness No.2

INDEMNITY BOND

(On Rs.100/- Stamp Paper)

KNOW all men by these presents that I, Shri.....of
M/s _____ do hereby execute
Indemnity Bond in favour of National Bank for Agriculture and Rural Development (NABARD), having their Registered Office at C-24, G Block, Bandra-KurIa Complex, Bandra(E) Mumbai-400051 and Regional Office at 2/1,Ankur,Civic centre,Nayapalli,Bhubaneswar-751015 and _____ M/s _____ having their office at _____

_____ on this day of2017.

WHEREAS NABARD have appointed _____ M/s _____ as the
“Structural Consultant For Non-Destructive Testing Of Office Building, NABARD Officers Quarters & Staff Quarters, Bhubaneswar”.

THIS DEED WITNESSETH AS FOLLOWS :-

I/We M/s _____

_____ hereby do Indemnify, and same harmless NABARD against and from

1. any third party claims, civil or criminal complaints liabilities, site mishaps and other accidents or disputes and/or damages occurring or arising out of any mishaps at the site due to faulty work, negligence and/or for violating any law, rules and regulations in force, for the time being while executing/executed works by me/us.
2. any damages, loss or expenses due to or resulting from negligence or breach of duty on the part of me/us or any sub-contractor/s if any, servants or agents.
3. any claim by an employee of mine/ours or of sub-contractor/s, if any, under the Workmen Compensation Act and Employers Liability Act, 1939 or any other law, rules and regulations in force for the time being and any Acts replacing and/or amend the same or any of the same as may be in force at the time and under any law in respect of injuries to persons or property arising out of and in the course of the execution of the contract work and/or arising out of and in the course of employment of any workmen/employee.
4. any act or omission of mine/ours of sub-contractor/s if any, our/their servants or agents which may involve any loss, damage liability, civil or criminal action.

IN WITNESS WHEREOF THE M/s _____ has set his/their hands

_____ on this day of 2017.

SIGNED AND DELIVERED BY THE AFORESAID M/s _____

IN THE PRESENCE OF WITNESS :

(1)

(2)