

NTPC Limited
(A Government of India Enterprise)



**Enlistment of agencies for conducting Geo-technical
Investigation for Thermal Power Projects.**

**NTPC Enlistment Standard Terms & Condition
available on web portal www.vdc.ntpc.co.in shall
remain part of this application.**

NTPC LIMITED
(A Government of India Enterprise)

- 1.0 NTPC Limited invites online applications from eligible domestic Agencies for the above-mentioned Enlistment. All the interested applicants may refer the Instructions available on NTPC web portal www.vdc.ntpc.co.in including Special terms and conditions available on web portal. All necessary documents along with application shall be submitted at web-portal: www.vdc.ntpcco.in

Applicants shall be required to create login at the Link www.vdc.ntpc.co.in and then selection of above-mentioned package. Details guidelines is mentioned on the web portal.

2.0 Brief scope of Enlistment

- i. Geotechnical investigation may be either on land or in water body (i.e. in River / sea) and would be carried out in stages, as preliminary, detailed and in few cases during construction or post construction.
- ii. Preliminary geotechnical investigation data is a required for preparation of FR/DPR, while Detailed geotechnical investigation data is required for preparation of Tender Document.
- iii. Based on the inputs from preliminary / detailed geotechnical investigation, type of foundation system is finalized.
- iv. Boring in soil and drilling in rock (where rock is encountered) inside plant area, ash disposal area, township area, Make-up water /Ash pipeline corridors, Intake well and approach walkway, etc.
- v. Conducting Field tests like Standard Penetration Test (SPT) in boreholes, Plate Load Test (PLT), Seismic Refraction Test (SRT), Cross hole seismic test (CST), Electrical Resistivity Test (ERT), Pressuremeter Test (PMT), Static Cone Penetration Test (SCPT), Dynamic Cone Penetration Test (DCPT), Permeability Tests, Percolation test, Trial Pits, Vane Shear Tests, etc.
- vi. Laboratory tests on soil, rock & ground water samples to evaluate physical, engineering and chemical properties.

3.0 Schedule of Submission of Application:

The Enlistment Documents will be available as per following schedule or schedule as mentioned at the portal.

Start date for submission of Application	28.06.2025
Last date for submission of Queries*	12.07.2025
Last date for submission of application	19.07.2025
Cost of Enlistment Documents	NIL

* No Queries from applicants, whatsoever, shall be entertained by the Employer beyond the lastdate of receipt of Queries as specified above.

Employer may change Dates and same shall be reflected at the portal shall be applicable for all the applicants.

4.0 Qualifying requirement:

Detailed Qualifying requirement is placed as annexure-A

- 5.0 Subsequent to Enlistment, only the Enlisted Agencies will be invited to submit bids in respect of specific enquiry till the time enlistment is valid.
- 6.0 NTPC reserves the right to reject any or all applications or cancel/withdraw the 'Notice Inviting Applications' without assigning any reasons whatsoever and in such case no Applicant or intending Applicant shall have any claim arising out of such action. NTPC shall also have the right to verify any information/document furnished by the Applicant/Agency/Company/Firm and inspect the works carried out by the Applicant/Agency/Company/Firm, if so required.
- 7.0 Applicants who respond within due date with application as mentioned above against this NIA will only be considered for Enlistment. Application for enlistment shall be invited through online mode only at the portal at www.vdc.ntpc.co.in. This enlistment shall be valid for a period of Three (03) years from the date of Enlistment.
- 8.0 Issuance of Enlistment Documents to any Applicant shall not construe that such Applicant is considered to be qualified. The Applicant shall bear all costs incurred in the preparation and submission of the application and other actions implied. NTPC shall not be responsible or liable for such costs, regardless of the outcome of the Enlistment process.
- 9.0 After the completion of initial vendor enlistment as mentioned above, the enlistment process shall again be re-opened after a period of 6 months and shall be kept open so that all the new vendors who could not participate in the enlistment process can participate and submit their application for enlistment at any time.

10.0 Address for communication:

DGM(CM) / AGM (CM)
NTPC LIMITED.

6th Floor, Engineering Office Complex,
Plot No.A-8A, Sector -24, Noida – 201 301
Distt. Gautam Budh Nagar, State of U.P., INDIA,

Mobile-9800090387/9650998561 Phone No: 0120-4946538/6521

Email: ishteyaqueali@ntpc.co.in vdshah@ntpc.co.in

Website: <https://ntpc tender.ntpc.co.in/> or www.ntpc.co.in or www.vdc.ntpc.co.in

Qualifying Requirements (QR) for Enlistment of Agencies for conducting Geotechnical Investigation works for Thermal Power Projects

1.0 Technical Criteria

1.1 The Applicant should have executed within the preceding seven (7) years reckoned as on last date notified for receipt of application, geotechnical investigation works achieving therein the following progress of work:

(i) Boring of at least **1000 RM in soil** in anyone (1) month in one (1) or more concurrently running contracts.

and

(ii) Drilling of at least **450 RM in rock** in anyone (1) month in one (1) or more concurrently running contracts.

1.2 The Applicant should have executed at least one (1) geotechnical investigation work in **water body** like in river/ sea/ submergence of dam/reservoir/creek/ back waters, etc., within the preceding seven (7) years reckoned as on last date notified for receipt of application.

1.3 The Applicant should have the following manpower on its regular pay roll for minimum one year period reckoned as on last date notified for receipt of application,

1.3.1 At least two (2) qualified **Geotechnical engineers** with PhD/ M.Tech. / M.E. / M.S. degree in Geotechnical Engineering and having minimum five (5) years work experience in the area of geotechnical investigation. The experience certificate shall be certified by CEO/CFO/ Managing partner of the Applicant.

OR

1.3.2 At least one (1) qualified **Geotechnical engineer** with PhD / M.Tech. / M.E. / M.S. degree in Geotechnical Engineering and having minimum five (5) years work experience in the area of geotechnical investigation and one (1) qualified engineering **Geologist** with M.S. / M.Sc. degree in Geology/Engineering Geology, having minimum five (5) years work experience in the area of geotechnical investigation. The experience certificate shall be certified by CEO/CFO/ Managing partner of the Applicant.

- 1.4 The Applicant should own or have on lease the following equipment, test setup and facilities:
- 1.4.1 Rotary boring rigs - Five (5) Nos.
 - 1.4.2 Hydraulic feed rotary core drilling rigs -Two (2) Nos.
 - 1.4.3 Seismic Refraction Test setup - One (1) No.
 - 1.4.4 Pressure meter test set up capable to apply pressure up to 80 kg/sq.cm - One (1) No.
 - 1.4.5 Laboratory set up equipped for testing the physical, engineering and chemical properties of soil and rock.

2.0 Financial Criteria

- 2.1 The average annual turnover of the Applicant in the preceding three (3) financial years as on the last date notified for receipt of application, should not be less than **Rs. 2.0 Cr.** (Indian Rupees Two crores only).

Notes for clause 1.1 above:

- i) If the qualifying work is completed in the last seven (7) years period specified above, even if it has started earlier, the same will also be considered as meeting the qualifying requirements.
- ii) The word "executed" means the Applicant should have achieved the progress specified in the QR even if the contract is not completed / closed.
- iii) For concurrent works the same month shall be considered.

Notes for clause 1.4 above:

- i. As specified at Clause 1.4.1 and 1.4.2, applicant should own 5 nos. rotary boring rigs and 2 nos. hydraulic feed rotary core drilling rigs. In case Applicant owns less than specified 5 nos. rotary boring rigs but owns additional equivalent nos. of hydraulic feed rotary core drilling rigs (over & above the specified 2 nos.), it would be considered meeting the qualifying requirement. However, it should own not less than 2 nos. hydraulic feed rotary core drilling rigs as specified.
- ii. In case the Applicant does not own the test set up mentioned at 1.4.3 and 1.4.4, then tie up with Government laboratories, IITs, IISc or any NABL accredited laboratory shall be permitted. Applicant shall submit the agreement document in the form of joint agreement or MOU along with the application, as per the format enclosed in the bidding documents. This document shall be submitted along with the bid, failing which the applicant shall be disqualified, and its bid shall be rejected.
- iii. The Applicant shall submit ownership documents, such as the Purchase invoice, Registration Document, or Lease Agreement, along with the bid. Failure to do so will result in disqualification and rejection of the bid.

Note for Clause 2.0 above

- a. Other income shall not be considered for arriving at annual turnover.

- b. In case, where audited results for the last financial year as on the date of bid opening are not available, the financial results certified by a practicing Chartered Accountant shall be considered acceptable. In case, Bidder is not able to submit the certificate from practicing Chartered Accountant certifying its financial parameters, the audited results of three consecutive financial years preceding the last financial year shall be considered for evaluating the financial parameters. Further, a certificate would be required from the CEO/CFO as per the format enclosed in the bidding documents stating that the financial results of the company are under audit as on the date of bid opening and the certificate from the practicing Chartered Account certifying the financial parameters is not available.

**Requirement & Scope of work : Enlistment of Agencies for
conducting Geotechnical Investigations for Thermal Power Projects**

A) Requirement:

- 1) Geotechnical investigation may be either on land or in water body (i.e. in River / sea) and would be carried out in stages, as preliminary, detailed and in few cases during construction or post construction.
- 2) Preliminary geotechnical investigation data is a required for preparation of FR/DPR, while Detailed geotechnical investigation data is required for preparation of Tender Document.
- 3) Based on the inputs from preliminary / detailed geotechnical investigation, type of foundation system is finalized.

B) Brief Scope of work:

- 1) Boring in soil and drilling in rock (where rock is encountered) inside plant area, ash disposal area, township area, Make-up water /Ash pipeline corridors, Intake well and approach walkway, etc.
- 2) Conducting Field tests like Standard Penetration Test (SPT) in boreholes, Plate Load Test (PLT), Seismic Refraction Test (SRT), Cross hole seismic test (CST), Electrical Resistivity Test (ERT), Pressuremeter Test (PMT), Static Cone Penetration Test (SCPT), Dynamic Cone Penetration Test (DCPT), Permeability Tests, Percolation test, Trial Pits, Vane Shear Tests, etc.
- 3) Laboratory tests on soil, rock & ground water samples to evaluate physical, engineering and chemical properties.

DETAILS FOR QUALIFYING REQUIREMENTS**Technical Criteria 1.1(i)**

In order to satisfy the requirements stipulated at Clause 1.1 (i) of Qualifying Requirements (Annexure-A), We declare that We have executed Geo-technical Investigation works achieving therein the “ **Boring of atleast 1000m in soil in any one (01) month in one (1) or more concurrently running contracts within the preceding seven (7) years reckoned as on last date notified for receipt of Application for Enlistment**”, as per the details given below:

(i) First set of Ref. Work(s) in any one (01) month i.e..... *(Specify period)*

Sl. No	Name of Contract & Project location	Name & Address of Owner/Client	LOA/Ref.No. and date of award of work	Date of commencement of work	Date of completion of work		Scope and Description of work	Boring in soil executed in any one(1) month		Remarks, if any
					As per Contract schedule	Actual		Month & Year	Boring in soil (RM)	
1										
2										
3										

Note: (i) Certificates from clients in support of meeting requirements are enclosed at Annexure.....

We further declare that we have not furnished more than three (03) number / sets of reference Works against fulfillment of the subject requirement of Qualifying Requirements.

Signature.....

Name of authorized

person having power of attorney.....

Designation.....

Date and Place.....

Any information/data furnished by the applicant found to be incorrect or false or misleading at any point of time would render him liable to be debarred from the Enlistment/tendering/taking up of work in NTPC.

DETAILS FOR QUALIFYING REQUIREMENTS**Technical Criteria 1.1(ii)**

In order to satisfy the requirements stipulated at Clause 1.1 (ii) of Qualifying Requirements (Annexure-A), We declare that We have executed Geo-technical Investigation works achieving therein the '**Drilling of atleast 450m in rock in any one (01) month in one (01) or more concurrently running contracts**' within the preceding seven (7) years reckoned as on last date notified for receipt of Application for Enlistment, as per the details given below:

(i) First set of Ref. Work(s) in any one (01) month i.e..... (Specify period)

Sl. No	Name of Contract & Project location	Name & Address of Owner/Client	LOA/Ref.No. and date of award of work	Date of commencement of work	Date of completion of work		Scope and Description of work	Drilling in rock executed in any one(1) month		Remarks , if any
					As per Contract schedule	Actual		Month & Year	Drilling in rock (RM)	
1										
2										
3										

Note: (i) Certificates from clients in support of meeting requirements are enclosed at Annexure.....

We further declare that we have not furnished more than three (03) number / sets of reference Works against fulfillment of the

subject requirement of Qualifying Requirements.

Signature.....

Name of authorized
person having power of attorney.....

Designation.....

Date and Place.....

Seal of firm.....

Any information/data furnished by the applicant found to be incorrect or false or misleading at any point of time would render him liable to be debarred from the Enlistment/tendering/taking up of work in NTPC.

DETAILS FOR QUALIFYING REQUIREMENTS**Technical Criteria 1.2**

In order to satisfy the requirements stipulated at Clause 1.2 of Qualifying Requirements (Annexure-A), We declare that We have executed 'at least one (01) Geo-technical Investigation work in water body like in river/ sea/ submergence of dam/ reservoir/ creek/ back waters etc.' within the preceding seven (7) years reckoned as on last date notified for receipt of application as per the details given below:

Sl. No.	Description	Details [1st Ref. Work(s)]	Details [2nd Ref. Work(s)]	Details [3rd Ref. Work(s)]
2.0	Experience details of Geotechnical investigation works in order to fulfill the criteria mentioned at Clause 1.2 of Qualifying Requirements			
2.1	Name of the Project for which Geotechnical Investigation works has been conducted			
2.2	Name of the Owner/ Client			
2.3	Address of the Owner/ Client			
2.4	Name, designation and contact details of the person			

Sl. No.	Description	Details [1st Ref. Work(s)]	Details [2nd Ref. Work(s)]	Details [3rd Ref. Work(s)]
	to be contacted at the Office of Owner/ Client			
2.5	Specify the type of water body like: river/ sea/ submergence of dam/ reservoir/ creek/ back waters, etc.			

Note: (i) Certificates from clients in support of meeting requirements are enclosed at Annexure.....

We further declare that we have not furnished more than three (03) numbers of reference Works against fulfillment of the subject requirement of Qualifying Requirements.

Signature.....

Name of authorized

person having power of attorney.....

Designation.....

Date and Place.....

Any information/data furnished by the applicant found to be incorrect or false or misleading at any point of time would render him liable to be debarred from the Enlistment / tendering / taking up of work in NTPC.

DETAILS FOR QUALIFYING REQUIREMENTS

1.0 With reference to our Application for Enlistment of Agencies for Conducting Preliminary and Detailed Geotechnical Investigations, we hereby confirm that the number of reference works quoted by us in Annexure- C, D & E of our Application for Enlistment for establishing compliance to the specified Qualifying Requirements are not more than three set of reference works as specified in the Qualifying Requirements.

The number of reference works quoted by us for different categories and different requirements are tabulated below:

Sl. No.	Requirement	Maximum number of Set of Reference Works allowed to the Applicant to quote in their Application	Number of Set of Reference Works quoted (to be filled by the Applicant)
1	Boring of atleast 1000m in soil in any one (01) month in one (01) or more concurrently running contracts.	3	
2.	Drilling of atleast 450m in rock in any one (01) month in one (01) or more concurrently running contracts	3	
3.	At least one (01) Geo-technical Investigation work in water body like in river/ sea/ submergence of dam/ reservoir/ creek/ back waters, etc.	3	

2.0 We also confirm that the Reference Works declared more than three times the number of works as specified in the Qualifying Requirements shall not be considered for evaluation/establishing compliance to the Qualifying Requirements (QR).

3.0 We further confirm that no change or substitution in respect of Reference Works (as declared in our Application for Enlistment) by new/additional work for meeting the specified Qualifying Requirements shall be offered by us.

Note: 1. * Strike out whichever is not applicable.

Signature.....

Name of authorised
person having power of attorney.....

Designation.....

Date and Place.....

Any information/data furnished by the applicant found to be incorrect or false or misleading at any point of time would render him liable to be debarred from the Enlistment / tendering / taking up of work in NTPC.

DETAILS FOR QUALIFYING REQUIREMENTS**Technical Criteria 1.3**

In order to satisfy the requirements stipulated at Clause 1.3 of Qualifying Requirements (Annexure-A), We declare that We have the following man power on our regular pay roll for minimum one year period reckoned as on last date notified for the receipt of application for the Qualifying requirements mentioned below:

1.3.1 At least two (2) qualified geotechnical engineers with PhD/ M.Tech. / M.E. / M.S. degree in Geotechnical Engineering and having minimum five (5) years work experience in the area of geotechnical investigation.

OR

1.3.2 At least one (1) qualified geotechnical engineer with PhD / M.Tech. / M.E. / M.S. degree in Geotechnical Engineering and having minimum five (5) years work experience in the area of geotechnical investigation and one (1) qualified engineering geologist with M.S. / M.Sc. degree in Geology/Engineering Geology, having minimum five (5) years work experience in the area of geotechnical investigation.

Details of the above as per given below:

(i) Geotechnical Engineer

Sl.No	Name of the Geotechnical Engineer	Qualification : Ph.D/M.Tech/M.E/M.S degree in Geotechnical Engineering (Indicate the qualification as applicable)	Institute	Total post qualification work experience in the area of Geotechnical Investigations (in years)	On regular pay roll of the agency as on last date of receipt of application (in years)

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OR

(ii) Engineering Geologist

Sl.No	Name of the Geologist	Qualification: M.S/M.Sc degree in Geology/Engineering Geology (Indicate the qualification as applicable)	Institute	Total post qualification work experience in the area of Geotechnical Investigations (in years)	On regular pay roll of the agency as on last date of receipt of application (in years)

Note: Applicant/Agency necessarily required to furnish the detailed Bio-data of manpower (each of Geotechnical Engineer / Geologist indicated above) and necessarily enclose the proof of employment like PF statement for the period worked in the agency as on last date of receipt of application

Signature.....
Name of authorised
person having power of attorney.....
Designation.....
Date and Place.....

Any information/data furnished by the applicant found to be incorrect or false or misleading at any point of time would render him liable to be debarred from the Enlistment / tendering / taking up of work in NTPC.

DETAILS FOR QUALIFYING REQUIREMENTS**Technical Criteria 1.4**

In order to satisfy the requirements stipulated at Clause No. 1.4 of Qualifying Requirement (Annexure-A), We declare that we own the following equipment / test setup / facility as on last date notified for the receipt of application, as per the details given below:.

(i) Details of Equipment

Sl. No.	Name of Equipment	Minimum Quantity required	Quantity available (in Nos)	Remarks, if any
1	Rotary boring rigs	5 Nos.		
2	Hydraulic feed rotary core drilling rigs	2 Nos.		

Note:

- (i) Applicant/Agency necessarily required to furnish the certificate of ownership of equipment mentioned above, duly certified by Chartered Accountant.
- (ii) Applicant should own 5 nos. rotary boring rigs and 2 nos. hydraulic feed rotary core drilling rigs. In case Applicant owns less than specified 5 nos. rotary boring rigs but owns additional equivalent nos. of hydraulic feed rotary core drilling rigs (over & above the specified 2 nos.), he would be considered meeting the qualifying requirement. However, he should own not less than 2 nos. hydraulic feed rotary core drilling rigs as specified.

(ii) Details of Test setup / facility

Sl. No.	Test setup/facility	Owned / Tie up (strike off whichever is not applicable)	In case of tie up, the name and address of Institution / Laboratory with whom tied up	Type of document enclosed (Certificate of ownership / Joint agreement / MOU) Indicate as applicable	Remarks, if any
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1	Seismic Refraction Test setup	Owned / Tie up			
2	Pressure meter test set up capable to apply pressure up to 80 kg/cm ²	Owned / Tie up			
3	Laboratory set up equipped for testing the physical, engineering and chemical properties of soil and rock	Owned			Laboratory test set up to be owned by applicant

Note:

1. In case test setup/ facility is owned by Applicant/Agency, then Applicant/Agency necessarily required to furnish the certificate of ownership of equipment mentioned at S.No 1, 2 and 3 above, duly certified by Chartered Accountant.
2. In case of tie up for test setup/facility, then Applicant/Agency necessarily required to furnish the agreement document in the form of joint agreement or MOU in appropriate legally enforceable form along with the bid.

Signature.....
Name of authorised
person having power of attorney.....
Designation.....
Date and Place.....

Any information/data furnished by the applicant found to be incorrect or false or misleading at any point of time would render him liable to be debarred from the Enlistment / tendering / taking up of work in NTPC.

DETAILS FOR QUALIFYING REQUIREMENTS(QR)Financial Criteria 2.0

In order to satisfy the requirements stipulated at Clause 2.1 of Qualifying Requirements, We confirm that our average annual turnover*, in the preceding three (3) financial years as on the last date notified for receipt of Application, is not less than INR 2 Crore (Indian Rupees Two crore only).

In support of the above, we are enclosing audited financial statements.

S. No.	Financial Year	Annual Turnover (INR in Million)
1	FY 1	
2	FY 2	
3	FY 3	
4	Average Annual Turnover for the preceding three (3) Financial Years as on the last date notified for receipt of application	
5	We have enclosed Audited financial statements for the last 3 financial years	** Yes/ No

* Other income is not considered for arriving at annual turnover

Date:

Name and Signature of Authorized Person

Place:

Designation.....