
REQUEST FOR QUOTATION (RFQ)

(through Short Term Limited Bidding (STLB), as per Procurement Policy of APUIAML)

SELECTION OF AN AGENCY FOR CONDUCTING GEOTECHNICAL INVESTIGATIONS
AT 5 TOURISM PROJECT LOCATIONS IN ANDHRA PRADESH

RFQ Notification No.: **APUIAML/F&ED /25-26/01**



ANDHRA PRADESH URBAN INFRASTRUCTURE ASSET MANAGEMENT LIMITED (APUIAML)

For Queries: Contact –

1. Mr. M.A. Sudheesh, Mobile: 8800447189, E-mail : sudheesh.mekala@apurban.in
 2. Mr. Siva Saran, Mobile :8008664477, Email ID – siva.sikharam@apurban.in
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I. SCHEDULE OF RFQ PROCESS

Description	Scheduled Date
Notification No:	APUIAML/F&ED /25-26/01
RFQ Issue / Start Date	30-04-2025 @ 16.00 Hrs
Bid Submission Closing Date and Time	08-05-2025 on or before 15.00 Hrs
Submission of Hard Copy of the Bid	Strictly to be submitted through registered post/courier or submit the bids in the Tender Box if by hand, duly superscribing the title of the RFQ and addressed to: To, Chief Executive Officer (CEO) Andhra Pradesh Urban Infrastructure Asset Management Limited (APUIAML) 4th Floor, NTR Administrative Block, Pandit Nehru Bus Station, Vijayawada-520013 (Andhra Pradesh)
Date & Time of Opening Technical Bids	08-05-2025 @ 16.00 Hrs
Date & Time for Opening of Financial Proposal / bids	Will be informed to the Qualified bidders through email by APUIAML
RFQ Application Fees (non-refundable)	NIL
Method of Selection	Least Quote (L1)

- Any addendum / corrigendum to the RFQ Document shall be intimated to all Applicants / Bidders in the Tender Page of www.apurban.com. The Authority shall not be responsible for any non-receipt of Bids before the scheduled closing date & time of submission of bids.
 - Failure to fill and sign all the required applicable Annexures (including incomplete information / document) shall make the Bid invalid. The bidder(s) is/are requested to submit its/their bid document in the given format only (including supporting documents). Any discrepancy in the submitted documents and/or submission of any irrelevant document shall result to disqualification of the respective bidder from the bidding process.
 - Interested bidders may obtain further information about this requirement from the office of APUIAML.
 - The Bid shall be filled in English Language and all entries must be typed / written in blue / black ink. Initials of the Authorized representative of the Bidder must be attested at all erasers and alterations made while filing the proposal. Over writing of figures in the Financial Proposal is not permitted. Failure to comply with any of these conditions may lead to the Proposal
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invalid.

- Authority shall not be responsible for any costs or expenses incurred by the bidder(s) in connection with the preparation and delivery of Proposal, including costs and expenses related to transport etc. Authority reserves the rights to cancel, terminate, change, or modify this procurement / Bid Process and / or requirements of proposal stated in the RFQ, without assigning any reason or providing any notice without accepting any liability for the same.
- Evaluation criteria adopted by the Authority will be Least cost based (L1) Bidder, whose bids are responsive meet the technical qualification criteria /documents as given in Annexure.
- The authority reserves the right to negotiate the final price with the successful L1 bidder if required.
- The bid shall be valid for a period of not less than 180 days from the Bid Due Date (the "BDD"). In exceptional circumstances, prior to the expiry of the original proposal validity period, the authority may request the Bidders to extend the period of validity for a specified additional period. The request for such extension shall be made in writing. However, bidders will not be permitted to modify their submitted bids after the BDD.
- RFQ Application Fees: Not Applicable
- Performance Security: Not Applicable

II. INTERPRETATION

In the interpretation of this RFQ, unless the context otherwise requires:

- The singular of any defined term includes the plural and vice versa, and any word or expression defined in the singular has the corresponding meaning used in the plural and vice versa;
 - A reference to any gender includes the other gender;
 - A reference to any agreement is a reference to that agreement and all annexes, attachments, exhibits, schedules, appendices and the like incorporated therein, as the same may be amended, modified, supplemented, waived, varied, added to, substituted, replaced, renewed, or extended, from time to time, in accordance with the terms thereof;
 - The terms "include" and "including" shall be deemed to be followed by the words "without limitation", whether or not so followed or defined;
 - Any reference to a person shall include such persons, successors, and assignees;
 - A reference to a "writing" or "written" includes printing, typing, lithography, scanned and other
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means of reproducing words in a visible form;

- Any date or period set forth in this RFQ shall be such date or period as may be extended pursuant to the terms of this RFQ;
- The terms "hereof", "herein", "hereto", "hereunder" or similar expressions used in this RFQ mean and refer to this RFQ and not to any particular Article;
- In case of any inconsistency between the terms mentioned in the RFQ and the literary term, the meaning best construed in furtherance of the objectives of this RFQ shall prevail;
- Where there is a discrepancy between amount in figures and in words, the amount in words shall prevail.

III. DISCLAIMER

1. The information contained in this RFQ ("Document") or subsequently provided to Bidders (Applicants / Bidders), whether verbally or in documentary or any other form by or on behalf of APUIAML (hereinafter referred to as "Authority") or any of its employees, representatives, advisors or Consultants is provided to Bidder(s) on the terms and conditions set out in this Document and any other terms and conditions subject to which such information is provided.
 2. This Document is neither an agreement nor an offer by the Authority to the prospective Bidder(s) or any other person. The purpose of this Document is to provide interested parties with the information that may be useful to them in the formulation & submission of their Proposal pursuant to this Document.
 3. This Document includes statements, which reflect various assumptions and assessments arrived at by the Authority in relation to the Request for Quotation towards **"CONDUCTING GEOTECHNICAL INVESTIGATIONS AT 5 TOURISM PROJECT LOCATIONS IN ANDHRA PRADESH"** by the selected Bidder / Agency selected through a competitive bid process. The purpose of this RFQ is to provide the Bidder(s) with information that may be useful to them in formulation of their bids (including Price Bids) (the "Bids") pursuant to this RFQ document and for no other purpose.
 4. This Document may not be appropriate for all persons, and it is not possible for the Authority and its employees to consider the objectives, technical expertise and particular needs of each party who reads or uses this document. The assumptions, assessments, statements and information contained in this document, may not be complete, accurate, adequate, or correct. Each Bidder should,
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therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments and information contained in this Document and obtain independent advice from appropriate sources. Information provided in this Document to the Bidders may be on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The Authority accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on the law expressed herein.

5. The Authority and its employees/ officers/ advisors/ consultants make no representation or warranty and shall have no liability to any person including any Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this Document or otherwise, including the accuracy, adequacy, correctness, reliability or completeness of the Document and any assessment, assumption, statement or information contained therein or deemed to form part of this Document or arising in any way in this Selection Process / RFQ Process (hereinafter defined).
 6. The possession or use of this Document in any manner contrary to any applicable law is expressly prohibited. The Bidders shall inform themselves concerning and shall observe any applicable legal requirements. The information does not purport to be comprehensive or to have been independently verified. Nothing in this Document shall be construed as final commercial, legal, financial or tax advice.
 7. The Authority also accepts no liability of any nature whether resulting from negligence or otherwise however caused arising from reliance of any Bidder upon the statements and information contained in this Document.
 8. The Authority may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumption contained in this Document.
 9. The issue of this Document does not imply that Authority is bound to select a Bidder or to award work to the Selected Bidder, as the case may be, for the subject project and the Authority reserves right to reject all or any of the Proposal without assigning any reasons whatsoever.
 10. Laws of the Republic of India are applicable to this Document and Courts of Law at Vijayawada shall alone have exclusive Jurisdiction on any disputes arising in relation to the same.
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1. BACKGROUND

Government of Andhra Pradesh has established a Joint Venture company called Andhra Pradesh Urban Infrastructure Asset Management Limited (APUIAML) under Companies Act 2013 with the objective of development of infrastructure projects, attracting investments and financing of Urban Infrastructure Projects in the state by appointing the Chief Secretary as Chairman and Principal Secretary MA&UD, Principal Secretary Finance as nominees on Board of the Company.

APUIAML is providing End-to-End Transaction Advisory (TA) Services to Andhra Pradesh Tourism Development Corporation (APTDC) for conceptualization and development of various Tourism Projects in the State of Andhra Pradesh. At present APUIAML providing Project Development & Management Consultancy Services to APTDC for various projects sanctioned by Ministry of Tourism (MoT), GoI under SASCI and CBDD Schemes.

In this regard, APUIAML is planning to hire an agency for conducting the Geotechnical Investigations at. Kadiyapulanka Nidadavole, Upper & Lower Ahobilam, Nagarjuna Sagar and Surya Lanka project locations.

2. SOLICITATION

As part of the detailing of various projects, it is required to carry out the Geotechnical Investigation at Kadiyapulanka, Nidadavole, Upper & Lower Ahobilam, Nagarjuna Sagar and Surya Lanka Project Sites (Different locations) mentioned as below.

S No	Name of the Project	Site Location, District Please refer Annexure -1	No. of Samples at Each Site
1	Kadiyapulanka Nurseries Eco tourist experience Centre	Kadiyapulanka, East Godavari District, AP	1
2	Nidadavole Canal Side Development along with Cafeteria	Nidadavole, West Godavari District, AP	1
3	Development of Surya Lanka Beach Experience	Surya Lanka Bapatla District, AP	2
4	Ahobilam- A spiritual odyssey	Upper & Lower Ahobilam Nandyala District, AP	2
5	Enriching Buddhist Heritage and Cultural Experiences	Nagarjuna Sagar Palnadu District, AP	2
	Total		8

The geo coordinates of each of the site is placed at Annexure-1

In this context, technical proposal and financial quotes are solicited to engage an agency for conducting Geotechnical Investigations at various locations mentioned above. The scope of work with key ToRs, General Conditions and Financial proposal formats are annexed.

3. ELIGIBILITY CRITERIA AND INSTRUCTIONS TO AGENCIES

- A. The Agency should be a registered company or a registered society or a registered Partnership firm (Copy of the same should be submitted as part of Technical Proposal)
- B. The agency should have valid GST, TAN & PAN as on tender submission date (Copy of the same should be submitted as part of Technical Proposal)
- C. The agency shall have conducted Soil Tests using Rigs along with SBC recommendation from the NABL accredited Laboratory for at least 3 assignments from State/Central/PSUs /any other Government entities during the last three financial yeas (FY 2022-23, FY 2023-24, FY 2024-25) (Copy of Work Orders/ Completion Certificates need to be provided with Technical Proposal).
- D. The financial quotes provided shall be exclusive of applicable taxes, which would be paid at actuals as per the invoice.
- E. The eligible agencies shall seal the Technical and Financial proposals separately in prescribed formats mentioned in Annexures- 2 & 3
- F. The both (Technical & Financial) proposals must be further sealed in a separate envelope which should be duly super-scripted as “**CONDUCTING GEOTECHNICAL INVESTIGATIONS AT 5 TOURISM PROJECT LOCATIONS IN ANDHRA PRADESH**”
- G. The duly sealed envelope (Contain both Technical & Financial Proposal) should be submitted/reached to the following below address either in person or through registered post or Courier on or before 08.05.2025 15.00 Hrs, IST.

The Domain Head (F&E Domain)

Andhra Pradesh Urban Infrastructure Asset Management Limited (APUIAML)

4th Floor, NTR Administrative Block, Pandit Nehru Bus Station,

Vijayawada, Andhra Pradesh- 520013

The proposals submitted by in person should drop the proposals in Tender box available in office.

- H. The financial quotes should be submitted by agencies on the office letterhead and duly signed by the competent authority and shall have the following contact information: (i) Contact Person Name and designation with seal (ii) Mobile No. (iii) email ID (iv) Address.
 - I. For further any clarifications, the agencies may contact the following officials
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- Mr. M.A. Sudheesh, Mobile: 8800447189, E-mail : sudheesh.mekala@apurban.in
 - Mr. Siva Saran, , Mobile :8008664477, Email ID – siva.sikharam@apurban.in
- J. This RFQ document is also available at the Tender page of website – <https://www.apurban.com/>

4. TERMS OF REFERENCE (TOR)

4.1 Site Locations and number of Samples for Geotechnical Investigations

S No	Name of the Project	Site Location & District	Number of soil Investigations points in each site
1	Kadiyapulanka Nurseries Eco tourist experience Centre	Kadiyapulanka, East Godavari District, AP	1
2	Nidadavole Canal Side Development along with Cafeteria	Nidadavole, West Godavari District, AP	1
3	Development of Surya Lanka Beach Experience	Surya Lanka Bapatla District, AP	2
4	Ahobilam-A spiritual Odyssey	Upper & Lower Ahobilam Nandyala District, AP	2
5	Enriching Buddhist Heritage and Cultural Experiences	Nagarjuna Sagar Palnadu District, AP	2
	Total		8

The details of sites coordinates and soil Investigations points for each location is provided in **Annexure-1**.

Any further information about the site locations, the agency shall contact Mr. Siva Saran, Mobile:8008664477, Email ID–siva.sikharam@apurban.in &/or Mr. Suman Das, Site Engineer, Mobile: 8918606221, E-mail-suman.das@apurban.in. The number of soil Investigations points mentioned for each site are indicative and it may vary based on the client requirement.

4.2 Type of Investigations

The agency shall conduct the soil Investigations at each location as per the below mentioned parameters

- Hydraulic drilling for boring and sample collection.
 - Drilling of bore holes up to 10m depth or feasibility of boring which ever may achieve with diameter of 100-150mm/100mm Boring in all types of
 1. Soil
 2. Soft Rock or Gravel (SDR)
 3. Hard Rock
 - Carrying out standard penetration test (SPT) as per IS: 2131- 1963, at site at every 1 ½ m depth up to the refusal.
 - Conducting laboratory analysis with Applicable tests on the collected samples from NABL accredited laboratory/ institution
 1. Grain size analysis
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2. Atterberg Limits, N.M.C & Dry Density
 3. Specific gravity
 4. Direct shear test
 5. Ground Water Table Investigation – Only for Pushkar Ghat Location

- Submission of report on gross and net safe bearing capacities for shallow and deep foundations as mentioned in the BOQ along with other relevant parameters as per Scope of Work

4.3 Deliverables

- The agency shall conduct the Geotechnical Investigations at all locations within 10 days after issue of Work Order
- The agency shall submit the Reports to APUIAML within a week time after completion of Site Works

4.4 Payment Terms

The payment terms for the assignment are as follows.

S.No	Payment Milestones	% Payment
1	Against mobilization of equipment at each site	50% of equipment mobilization fee quoted as per the Item number 1 in Financial Proposal or fee paid on pro-rata basis of each site wise
2	After completion of sample collection and submitted the samples to Laboratory for Testing	30% of equipment mobilization fee quoted as per the Item number 1 in Financial Proposal or fee paid on pro-rata basis in case of site wise Plus 50% payment against the item number 2 of the financial proposal based on actual drilling of holes and collection of soil samples mentioned in financial proposal or Pro-rata basis of each site
3	Against submission report duly approved by APUIAML	1. Balance payment i.e. 20% against the Item Number 1 of Finance Proposal or Pro-rata of each site 2. Remaining 50% payment against the item number 2 of the financial proposal based on actual drilling of holes and collection of soil samples mentioned in financial proposal or Pro-rata on each site 3. 100% of payment against the completion of deliverables mentioned in financial proposal i.e. Item Number 3, 4 and 5 or Pro-rata basis of each site.

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- APUIAML shall increase or decrease the number of bores for drilling required in each site location. The payment shall be made to the agency based on actual quantity of work done.
 - Further, any change of bore well location within the project location, APUIAML shall intimate to the agency before commencement of work in each site and no additional charges shall be paid to the agency for change of location.

5. SCOPE OF WORK

The Scope of Work for conducting Geotechnical Investigations at each soil Investigations points and required soil samples to be collected are mentioned below and but not limited to the following.

- a. Mobilization of equipment and personnel to each project site, setting up the equipment and carrying out the field investigation and demobilization of the same after completion of fieldwork
 - b. All the labor, rig, water or any other equipment/infrastructure/material required for making borehole, transportation to site/ laboratory must be arranged by the Agency.
 - c. The Agency shall carry out borehole drilling work in all types of strata including hard rock and will take out of samples. All the samples collected from borehole needs to be stored as per the standard procedure/s.
 - d. Drilling of Boreholes up to 10m depth or feasibility of boring which ever may achieve with diameter boring (or refusal) of 100-150mm/100mm in all types of soil, soft disintegrated rock, rock at the identified locations.
 - e. Conduct of Standard Penetration test at regular depth intervals of 1.5 m up to the refusal and collect samples for further testing.
 - f. APUIAML shall increase or decrease the bores required in each site location and change in bore hole location depending up on the requirement before commencement of work in each site location.
 - g. The depth of drilling depends on the structure and subsurface soil. The agency shall conduct the till they achieve the SPT N value 100. After achieving the desire depth specified in document, agency should discuss with the project manager for further drilling and can go ahead only after the written approval.
 - h. Report shall provide recommendations for safe bearing capacity at various depths or properties considering shallow and deep foundations.
 - i. Borehole drilling and sampling for determining various parameters of foundation
 - j. Carrying out Laboratory Investigations from NABL Accredited laboratory on representative soil samples collected from the Borehole.
 - k. Submission of Report including field investigation, borehole log showing soil profile, laboratory investigations, test results, interpretation of test results, datasheets, graphical representation of soil parameters, relevant maps and drawings, conclusions, and recommendations for ground improvement if any, safe, net safe bearing capacity of soil, type of foundation etc.
 - l. The method of taking soil samples and the tests shall be conducted as per relevant Indian
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Standard Code of practice.

- m. All investigations should be done in consultation with APUIAML
- n. APUIAML shall facilitate in obtaining any permissions if required.
- o. **For Nidadavole Canal Side Development along with Cafeteria, Nidadavole:** In addition to above requirements, the agency shall provide the lateral and shear capacities of the pile along with Maximum allowable displacement at the top of the pile.

6. OTHERS

6.1 General Instructions

- All Geotechnical Investigations at each work location and data collection shall be carried out by the agency in the prescribed format agreed with APUIAML.
- The Calibration Certificate for the instruments used shall be submitted to APUIAML
- All data sheets shall be provided to APUIAML upon completion of each site works.
- All data needs to be entered by the agency in the format agreed with APUIAML.
- APUIAML representatives visiting the site shall be extended full cooperation and they shall be explained about methodology adopted and shall be appraised about the measures adopted for accuracy of work.
- The schedule of site works should be approved by APUIAML before commencement of work.
- The quoted rates shall be inclusive of the cost of labor, materials, equipment, transport, insurance, punching of data in prescribed format, and reports etc. and no other charges whatsoever shall be entertained in any circumstances.
- The number of sample sizes to be collected and number of locations in each site location is subject to change at the time of issue of work order.
- The Agency at its cost shall ensure all safety measures and APUIAML shall hold no responsibilities in this regard.

6.2 Deliverables

- The data shall be submitted by the agency in the agreed format in agreed software.
- All field survey sheets, observations, drawings and other documents containing field data gathered during survey shall be handed over to the client and Agency shall have no claim or use whatsoever. The agency shall not reproduce any data collected from the work in any form.
- Survey Data Analysis Report shall be submitted by the agency in the agreed format
- The soft copy of the drawings, database, and report in Word /Excel /PPT/Dwg/PDF /shape/Dbx. Etc. format needs to be submitted at each stage along with the above.
- The format for submission of the data and report shall be discussed and agreed with the client and the reports shall be in submitted in the format agreed upon.
- No other payment shall be made towards out-of-pocket expenses.

6.3 Effecting Payment to the agency

The payment to the Agency shall be paid either milestone based or post completion of the total work to the satisfaction of the APUIAML. APUIAML approves each deliverable for respective milestones.

6.4 Deduction

All payments to the agency under the terms of engagement are subject to tax deduction at source under Income Tax Act and any other enactment that may be in force from time to time. The client will also be entitled to deduct from the payment due to any dues payable by the agency to the client. The client shall provide to you within prescribed time limit the appropriate tax deduction certificate evidencing payment of such taxes.

6.5 Execution of the Assignment

The Agency shall inform the progress of work to APUIAML from time to time.

6.6 Ownership of Copyright

Any deliverable prepared as a part of this assignment shall be the intellectual property of the APUIAML. The drawings, specifications, documents and reports, survey formats, filled data sheets etc prepared as instruments of service shall be the property of APUIAML whether the project, for which they are made, is executed or not. APUIAML shall retain copies of the agency's drawings, specifications and other documents for information and use in connection with the projects.

6.7 Arbitration

All disputes or difference which may arise between APUIAML and the agency with regard to the meaning or interpretation or things done in pursuance of executed work-order, such disputes and difference shall be resolved mutually and if required and called for the same shall be referred for arbitration, which shall be conducted as per the provisions of the Arbitration and Conciliation Act 1996. Any dispute submitted to arbitration shall be considered by a mutually acceptable sole arbitrator. In case the Parties are unable to agree & decide on a sole arbitrator, then the dispute shall be considered by three arbitrators one to be appointed by APUIAML and one to be appointed by agency and the third arbitrator to be appointed jointly by the arbitrators of the Client and the agency. Each Party shall bear their respective cost to be incurred on the arbitration proceedings. The decision and award of the arbitrator shall be final and binding on the agency and the Client. Place of arbitration shall be Vijayawada, Andhra Pradesh and all the proceedings shall be done in English Language.

6.8 Indemnity

In case of any dispute, controversy, litigation, public agitation etc. connected with the with the services rendered/ being rendered by agency or arising out of any matter connected with or incidental to the services provided/ or being provided by agency or for any other reason, the agency shall indemnify and keep indemnified and hold APUIAML, its employees, authorized

representatives, agents harmless from and against all costs, claims, damages, proceedings, liability, including fees paid to legal counsels etc. in this behalf.

6.9 Confidentiality

The Agency shall not disclose to anyone either during carrying out the services or within two years after completion of this assignment, any confidential or proprietary information relating to the Project or the APUIAML's business affairs or operations without the prior written consent of APUIAML.

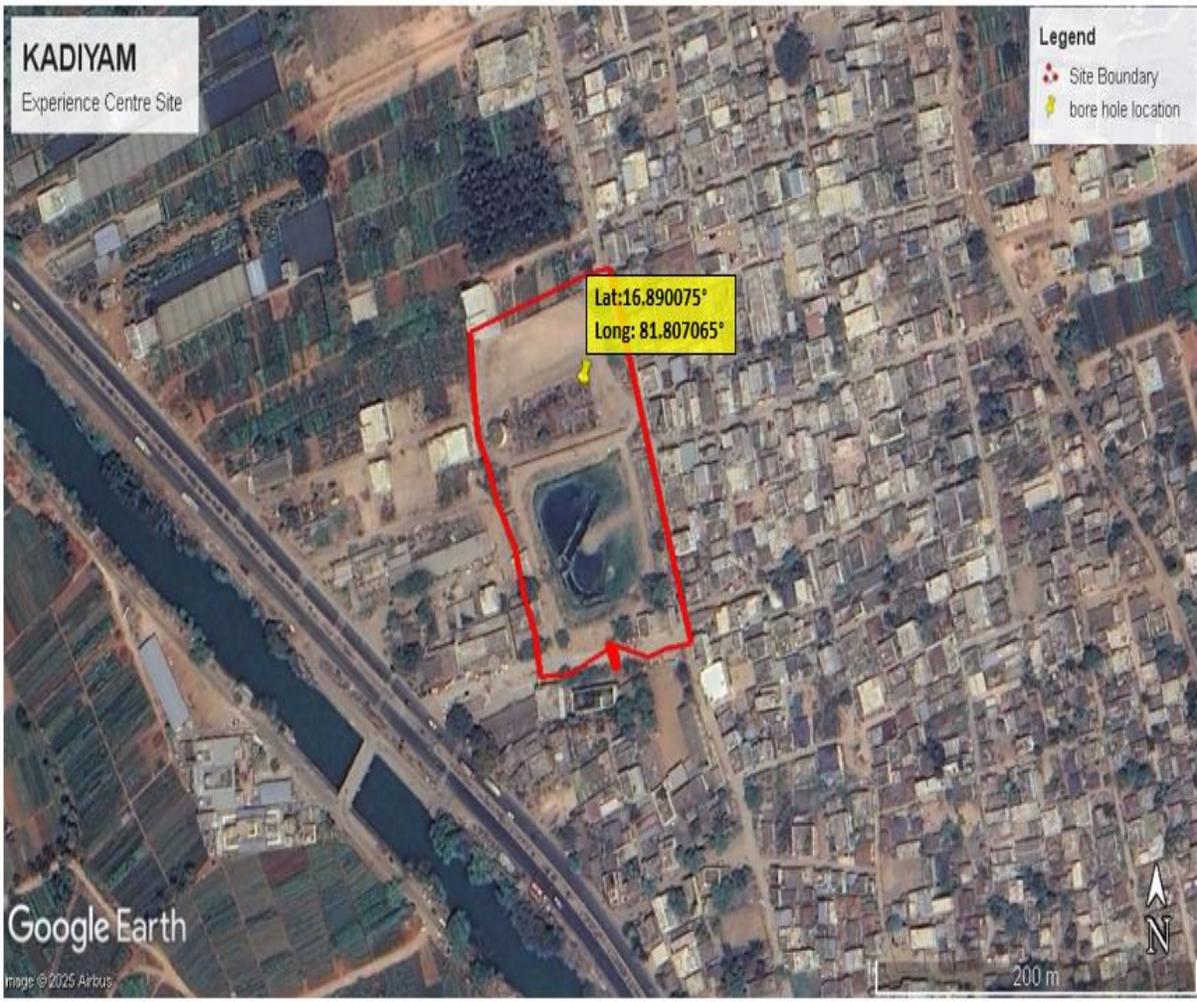
6.10 General

APUIAML may make such rules and/ or lay out such procedures as may be deemed necessary for the implementation/ administration of the terms and conditions of your employment as stated in this work order with due intimation to you and the same will be binding on you.

ANNEXURE-1

DETAILS OF SITE LOCATIONS





AKHANDA GODAVARI

Pushkar Ghat

Legend

- Site Boundary
- bore hole location

Lat: 17.007386°
Long: 81.767148°

bore hole - 1

Google Earth

Image © 2025 Airbus

200 m



AHOBILAM

Museum Site

Legend

-  Site Boundary
-  bore hole location



NAGARJUNA SAGAR

Legend

- Site Boundary
- bore hole location

Lat: 16.571623°
Long: 79.326299°

Google Earth

Image © 2025 Airbus



300 m



SURYALANKA

Legend

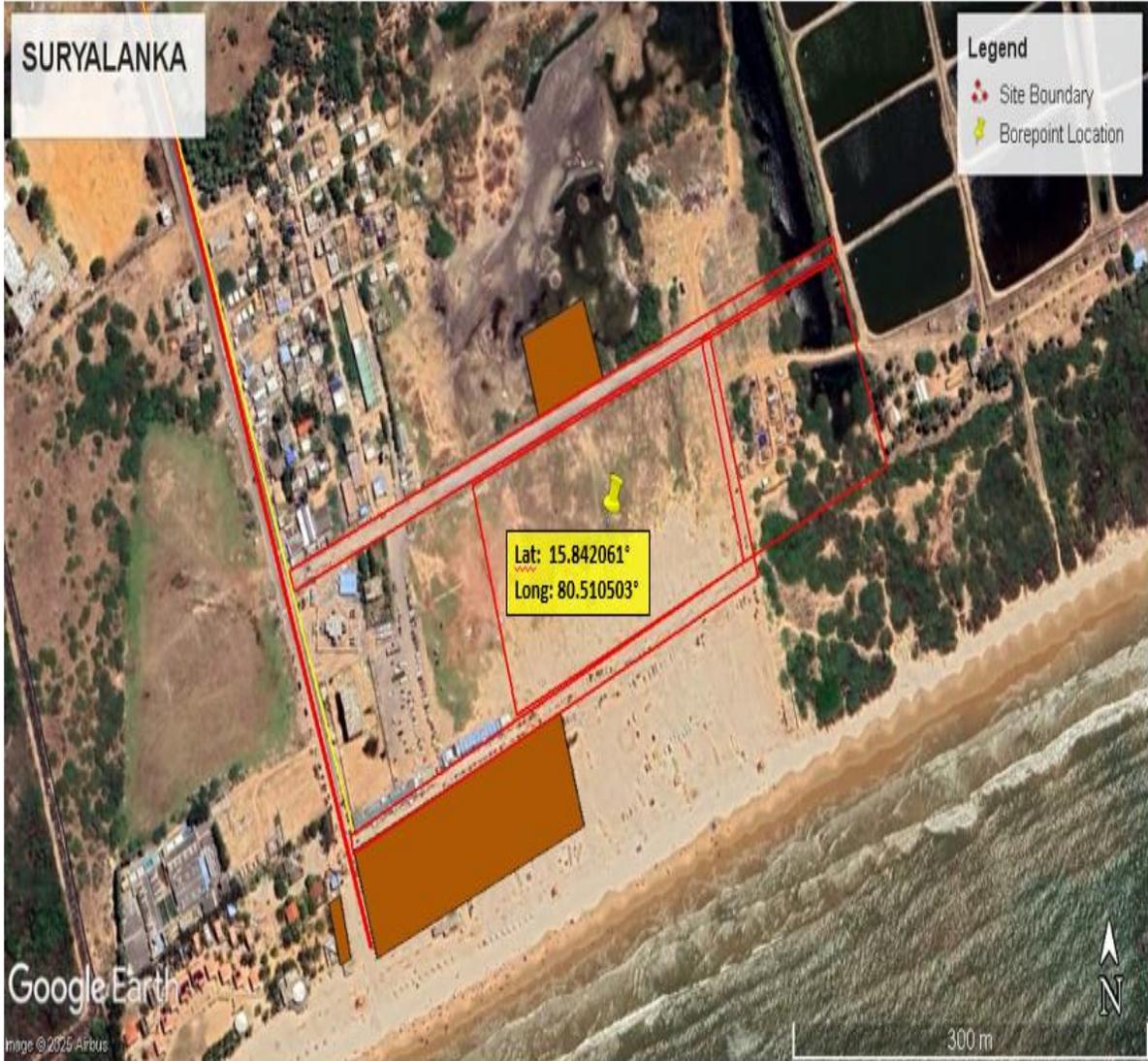
- Site Boundary
- Borepoint Location

Lat: 15.842061°
Long: 80.510503°

Google Earth

Image © 2025 Airbus

300 m



ANNEXURE-2

FIRM REGISTRATION CERTIFICATE

GST/PAN/TAN CERTIFICATES

EXPERIENCE DETAILS

FY	Name of Assignment	Client*	Location of Works carried out by the agency for similar Works with supporting documents as proof
2022-23	1.		
	2		
2023-24	1.		
	2		
2024-25	1.		
	2		

* State/Central/PSUs /any other Government entities

FINANCIAL PROPOSAL FORMAT

Item Number	Test Type	Unit	Estimated quantity	Amount quoted in INR
1	Mobilization of Hydraulic drilling rig with all accessories like drill rods, casing pipes, S.P.T. equipment etc., which are required for boring and sample collection at each site including Mobilisation & De mobilisation chargers of equipment's, transfer of one location to another location within the site if more than 1 samples collection, Transport Charges, other associated charges if any	Each	5	
2	Drilling of bore holes up to 10m depth or feasibility of boring which ever may achieve with dia of 100-150mm/100mm Boring in all types of			
	Soil	Per RMT	40	
	Soft Rock or Gravel (SDR)	Per RMT	24	
	Hard Rock	Per RMT	16	
3	Carrying out standard penetration test (SPT) as per IS: 2131- 1963, at site at every 1 ½ m depth up to the refusal	Each test for 1.5m	48	
4	Conducting laboratory analysis with Applicable tests on the collected samples and submitting report indicating various properties including recommendation on safe bearing capacity and type of foundation	Each bore	8	
	• Grain size analysis			
	• Atterberg Limits, N.M.C & Dry Density			
	• Specific gravity			
	• Direct shear test			
5	Submission of Geotechnical Report for each borehole indicating various parameters and providing recommendation for shallow and deep foundation for all sites. For Nidadavole site, additionally lateral and shear capacities of the pile along with Maximum allowable displacement at the top of the pile shall be provided.	Each Bore Hole	8	
	Total			

NOTE:

1. The quotes provided shall be exclusive of applicable taxes
2. The quotes should be submitted on agencies' letterhead duly signed by the competent authority

and shall have the following contact information: (i) Contact Person Name with seal (ii) Mobile No (iii) email ID (iv) Address

3. For any kind of mobilization of equipment's required inside the site area for multiple samples shall not be paid separately
4. Payment shall be made as per the actual quantities executed in each site location.
5. The number samples mentioned here is indicative. As per the site conditions, client may decide on the number samples required at each site location, accordingly the payment shall made.
6. The quantities (locations/ no of samples etc.) may increase and decrease and the consultant payment shall be made accordingly. The decision of APUIAML shall be final and binding on the Agency.
7. **For Nidadavole Canal Side Development along with Cafeteria, Nidadavole:** In addition to above requirements, the agency shall provide the lateral and shear capacities of the pile along with Maximum allowable displacement at the top of the pile.