



NOTICE INVITING QUOTATION

Name of Work: Extension and Strengthening of Existing Runway, Taxiway and Apron along with Construction of Isolation Bay, Pavement against Blast Erosion, RESA and Perimeter Road, Grading of Strips etc. at Kadapa Airport for the operation of code – C Type of Aircraft (A-320) including Electrical works.

SH: Soil Testing for Runway Strip at Kadapa Airport, Kadapa.

AIRPORTS AUTHORITY OF INDIA
ENGINEERING WING
KADAPA AIRPORT

Drish
11/05/22
अजय सिंह / AJAY SINGH
वरिष्ठ प्रबंधक (अभियंता) / Sr. Manager (Engg.)
भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
कडप्पा हवाई अड्डा / Kadapa Airport
कडप्पा / KADAPA - 516003

INDEX

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SL.NO	DESCRIPTION	PAGE NUMBERS	
		FROM	TO
1.	Index	A-1	A-1
2.	Notice Inviting Quotation	A-2	A-3
3.	Terms & conditions of contract	A-4	A-9
4.	Acceptance letter (Annexure- I)	A-10	A-10
5.	Schedule A' (Annexure —II)	A-11	A-12
6.	Proforma for Soil Investigation Report	A-13	A-17

Certified that this NIQ contains pages 1 to 17 only.

Signature of issuing officer



Sr. Manager (E-C)
AAI, Kadapa Airport
Kadapa-516003.

अजय सिंह / AJAY SINGH

वरिष्ठ प्रबंधक (अभ-सि) / Sr. Manager (Engg.C)
भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
कडपा हवाई अड्डा / Kadapa Airport
कडपा / KADAPA - 516003
A-1

AIRPORTS AUTHORITY OF INDIA KADAPA AIRPORT

No. AAI/KDP/ENGG (C)/SOIL TESTING/2022-23/

Date:11.05.2022

NOTICE INVITING QUOTATION

Name of work: Extension and Strengthening of Existing Runway, Taxiway and Apron along with Construction of Isolation Bay, Pavement against Blast Erosion, RESA and Perimeter Road, Grading of Strips etc. at Kadapa Airport for the operation of code – C Type of Aircraft (A-320) including Electrical works.

SH: Soil Testing for Runway Strip at Kadapa Airport, Kadapa.

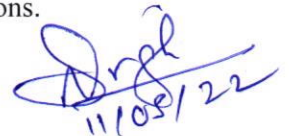
Sealed Item rate Quotations are invited by the Senior Manager Engg (Civil), Airports Authority of India, Kadapa Airport, Kadapa-516003, on behalf of Chairman, Airports Authority of India, from reputed specialized firms /consultants having experience in similar nature of work for the work of "Extension and Strengthening of Existing Runway, Taxiway and Apron along with Construction of Isolation Bay, Pavement against Blast Erosion, RESA and Perimeter Road, Grading of Strips etc. at Kadapa Airport for the operation of code – C Type of Aircraft (A-320) including Electrical works.. SH: Soil Testing for Runway Strip at Kadapa Airport, Kadapa" in two envelope system for an estimated Cost of **Rs.8.05 Lakhs (excluding GST)** as per the terms & special Conditions. The scope of work is Determination of CBR value i/c the tests to get Particle size Analysis, Atterberg's limit, In-situ density, Dry density, Field moisture content, Optimum moisture content as per details in Annexure-II of Quotation document. Time allowed for the work is 21 (Twenty One) days. Quotation document is to be downloaded from AAI web site at: <https://www.aai.aero>.

The Quotation consists of Two envelope system, i.e. Technical Bid in Envelope A and Price Bid in Envelope B which shall be enclosed in a common sealed Master Envelope superscribing on the top as "Extension and Strengthening of Existing Runway, Taxiway and Apron along with Construction of Isolation Bay, Pavement against Blast Erosion, RESA and Perimeter Road, Grading of Strips etc. at Kadapa Airport for the operation of code – C Type of Aircraft (A-320) including Electrical works.. SH: Soil Testing for Runway Strip at Kadapa Airport, Kadapa".

The quotation shall be received up to 15:00 Hrs on 25.05.2022 and shall be opened on the same day at 15:30 Hrs at the following address:-

Senior Manager Engg (Civil)
Airports Authority of India
Kadapa Airport, Kadapa — 516003
Phone No.08562-220518.

The firm or his representative may present at the time of opening of the quotations.
AAI reserves the right to accept or reject any or all applications without assigning any reasons.



Sr. Manager (E-C)
AAI, Kadapa Airport
Kadapa-516003.

अजय सिंह / AJAY SINGH

AAI

(C-NIL.....I-NIL.....O-NIL)

वरिष्ठ प्रबंधक (अभियन्ता) / Sr. Manager (Engg.C)
भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
कडपा हवाई अड्डा / Kadapa Airport
कडपा / KADAPA- 516003

QUOTATION DOCUMENT

No. AAI/KDP/ENGG (C)/SOIL TESTING/2022-23/

Date:11.05.2022

Name of work: Extension and Strengthening of Existing Runway, Taxiway and Apron along with Construction of Isolation Bay, Pavement against Blast Erosion, RESA and Perimeter Road, Grading of Strips etc. at Kadapa Airport for the operation of code – C Type of Aircraft (A-320) including Electrical works.

SH: Soil Testing for Runway Strip at Kadapa Airport, Kadapa.

Sealed item rate quotations are invited on behalf of the Chairman, Airports Authority of India from reputed specialized firms /consultants having experience in similar nature of work and meeting specified criteria for above-mentioned work at the following address:-

Senior Manager Engg (Civil)
Airports Authority of India
Kadapa Airport, Kadapa — 516003
Phone No. 08562-220518.

OFFER AND SCOPE OF SERVICES

The services to be rendered by the firm / Consultant are as stated in Schedule "A" and other conditions in quotation documents.

The firm/consultant shall quote their item rate in Indian National Rupees in the **Schedule "A" (Annexure-II)** at page No. A-11 & A-12 **AAI reserves the right to accept all or any part of the bid and the firm/consultant shall be bound by the same.**


अजय सिंह / AJAY SINGH
वरिष्ठ प्रबंधक (अभिस) / Sr. Manager (Engg.C)
भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
कडपा हवाई अड्डा / Kadapa Airport
कडपा / KADAPA - 516003

TERMS AND CONDITIONS

1. MODE OF SUBMISSION OF QUOTATION

Interested firms/consultants meeting pre-qualification Criteria are requested to submit their lowest offer as per items mentioned in Schedule A (Annexure—II) after satisfying the all terms and conditions.

Firms/consultants have to submit their bid in Two envelopes i.e. Technical Bid in "Envelope A" and Price Bid in "Envelope B" which shall be enclosed in a common sealed Master Envelope super scribing on the top as "Extension and Strengthening of Existing Runway, Taxiway and Apron along with Construction of Isolation Bay, Pavement against Blast Erosion, RESA and Perimeter Road, Grading of Strips etc. at Kadapa Airport for the operation of code – C Type of Aircraft (A-320) including Electrical works. **SH: Soil Testing for Runway Strip at Kadapa Airport, Kadapa.**"

A. Envelope A (Technical Bid)

The following documents (self- attested) are to be submitted in Envelope A and in case of non-submission of any one of these documents, the bid shall be treated as incomplete and their financial bid i.e. Envelope B shall not be opened.

- a. Copy of PAN Card.
- b. Unconditional letter of Acceptance duly signed by firm /consultant on their Letter Head as per format enclosed. (ANNEXURE - I).
- c. Copy of Work Experience Certificates of similar nature of work i.e., soil investigation for pavement works during the last seven years from Govt./ Private firms .Cut —off date for reckoning the period shall be 30 April 2022.Experience certificates from private organizations shall be supported with corresponding TDS proof. The firm/consultant should have satisfactorily completed (# Phase/Part completion of the scope of work in a contract shall not be considered.
- d. Copy of GST Registration Certificate.
- e. Scanned copy of valid NABL accreditation certificate for soil investigation testing.

B. Envelope B (Financial Bid)

Firms/ Consultants have to quote their rates as per items mentioned in Schedule A (Annexure—II) attached with this notice inviting quotation with their seal and signature. Rates shall be quoted for all items in figures as well as in words and to be pasted with Cello tapes on it.

2. SCOPE OF WORK

- a. Lab CBR tests - CBR test shall be conducted at soil sample at proposed sub-grade level.
- b. Particle size analysis of soil- to be conducted on all samples.
- c. Liquid limit, Plastic Limit, Plasticity Index, Swell Index, Shrinkage limit – to be conducted on all samples for clayey and swelling soils.
- d. In situ density, dry density, Natural moisture content of soil - to be conducted on all samples.
- e. Moisture — density relation of soil — to be conducted on all samples.

3. SITE VISIT

Firms/Consultants are advised to inspect and examine the site and get themselves acquainted with the nature of work and site details before submitting the quotation. They shall be deemed to have full knowledge of the site whether they inspect it or not and no extra charge consequent upon any misunderstanding or otherwise shall be admissible.

4. RATE

Rates should be quoted for all items in figures as well as in words and to be pasted with Cello tapes on it in 'Schedule-A' (Annexure II).

5. GST CLAUSE

- The quoted rates should be exclusive of GST. Successful bidder will be decided based on quoted rate exclusive of GST.
- GST shall be paid to firm/ consultant against a valid tax invoice.
- The quoted rate should be inclusive of any other taxes, levy/cess applicable other than GST.
- In case of non-compliance of GST provisions and blockage of any input credit, the bidder shall be responsible to indemnify to AAI.
- The bidder is required to provide the details of tax type and tax percentage.

6. WATER SUPPLY

The firm/consultant shall make his/their own arrangements for water required for the work and nothing extra will be paid for the same.

7. TIME PERIOD

Period of completion of the work is 21 (Twenty One) days which shall be reckoned from 5th day from the date of placing work order. The work is said to be completed inclusive of submitting soil investigation report. In case of any failure to complete the work within the stipulated period and if no justifiable reasons are found for the delay, the firm/consultant shall be liable to pay the compensation for delay at the rate of 0.5% (Zero decimal Five percent) of the total value of work order per week of delay subject to a maximum of 10% (Ten Percent) of value of work done. The amount of compensation for delay or waiving of compensation for delay in case of justified reasons shall be decided at the discretion of Engineer-in-charge and same shall be final and binding on you.

8. FORCE MAJEURE CLAUSE

AAI may grant an extension of time limit set for the completion of work, in case the timely completion of the work is delayed by force majeure beyond the Consultant's control.

9. QUANTITY

The quantity shown in Schedule-A (Annexure-II) may vary during actual execution of work. You shall carry out the work as per actual site requirement. Increase in quantity of item or items of work shall be executed by you at the quoted rate up to a limit so that the total amount does not exceed more than 10% (Ten Percent) of the work ordered value. You are liable to execute extra items if any apart from the schedule items as per the prevailing market rates as per the site conditions & requirements.

10. FORECLOSURE OF CONTRACT IN FULL OR IN PART DUE TO ABANDONMENT OR REDUCTION IN SCOPE OF WORK:

After completing of services and approval by AAI for a particular stage as mentioned elsewhere the Consultant shall submit his bill in triplicate. AAI has the right to foreclose the contract, postpone the work after completing certain stages of work due to some reasons for which firm/ consultant will be paid only for those stages which have been completed by the firm/ consultant / firm and approved by AAI. Nothing will be paid to the Consultant / firm for any unfinished stages of work. In the event of foreclosure of the agreement at any stage the Consultant / firm will not have any claim for the unfinished stages except already completed and accepted and approved by AAI.

If at any time after acceptance of the quotation AAI shall decide to abandon or reduce the scope of works for any reason whatsoever and hence not require the whole or any part of the works to be carried out, the Engineer- in - charge shall give notice in writing to that effect to the Consultant / firm and the Consultant / firm shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he did not derive in consequence of the foreclosure of the whole or part of the works, the period of notice to be given to that effect will be 7 days.

11. RESCINDING OF CONTRACT:

In the event of failure on the part of the Consultant/firm to complete their work on time or in the event of committing a breach of any one or more of terms and conditions of the Quotation document and Work Order, AAI shall be entitled to rescind this work without prejudice to its rights to claim damages or remedies. In such case AAI shall have power to engage another Consultant /firm to carry out the balance work.

12. ADEQUACY OF SERVICES.

The services to be rendered by the Consultant shall be based on relevant rules & regulations. In the performance of services, the Consultant shall at all times be subject to the general direction of the Engineer-in-charge. The Consultant shall be fully responsible for adequacy; accuracy and quality of the entire services performed under this contract and shall guarantee that the services performed by him shall be in accordance with the accepted standards of safety, environment protection and public health.

13. COPY RIGHT / PROPRIETARY RIGHT:

The related details and reports prepared and acquired by the Consultant /firm for the work entrusted to him under this Contract will become the property of AAI. The related details and reports cannot be issued to any other persons, firms or authority or used by the Consultant/firm for any other project without prior permissions of the AAI.

14. OTHER TERMS AND CONDITIONS:

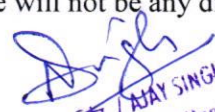
- Since the project would be based on soil investigation report, the accuracy and adequacy of report shall be the criteria of the contract.
- The Consultant will associate AAI Engineers throughout the soil investigation work and shall provide AAI with all the details pertaining to the studies or works including collection of data.
- The work at site shall be carried out under full time supervision of a skilled Geotechnical Engineer, who shall be capable of coordinating and responsible for the entire work.

- d) All tests shall be carried out as per latest BIS codal provision including all applicable official amendments and revisions. The Consultant may use any other code in case there is no BIS code for a particular test.
- e) The Consultant shall be liable and responsible for the correctness and accuracy of the data, calculations, analysis and recommendations. If any inadequacy or discrepancy observed in the work performed shall at his own initiatives perform all such investigation and other works as may be necessary for adequacy of the recommendation / requirements without any extra cost.
- f) The work shall be carried out as per Sound Engineering practice adopting latest BIS codal provision for structural design & drawings to be followed.
- g) The quoted rate shall include all taxes, levies, surcharges, control, etc., exclusive of GST and nothing extra shall be paid over the scheduled rates.
- h) The Consultant should inspect the site and get satisfy themselves about the nature of the work and the site conditions and study the logistical requirement involved in executing the work before quoting. No extra claim whatsoever shall be entertained in this regard afterwards.
- i) The Consultant has to make their own arrangement for transportation of workers, materials, machineries and testing equipment's etc., required for the work.
- j) Water and electricity shall be arranged by the Consultant and no extra payment shall be made on.

k) ADMISSION TO SITE

The airport belongs to AAI. The works are falling within the restricted area, execution shall be restricted to operational requirement. The contractor is expected to finish the work by adequate planning as per the satisfaction of Engineer-in-charge. All men & vehicles shall be permitted to enter the aerodrome operational area only on possession of the security passes issued by AAI / Security agencies on the recommendations of Engineer-in-charge or its authorized representative. The contractor shall apply in writing in advance of the commencement of work for issue of security passes and shall submit a list of personal concerned with their addresses and shall satisfy the Engineer-in-charge who shall at his discretion, have the right to recommend the issue of passes to control the admission of contract, his agents, his staff and workmen. The contractor shall ensure that his men shall work in areas / zones allotted to them. Passes shall be deposited with the Engineer-in-charge on demand and in any case immediately after completion of work. The contractor's staff / workmen shall observe all the rules promulgated from time to time by the concerned authorities such as prohibition of smoking & lighting, search of persons on entry and exit, keeping to specified routes etc. Any person found violating the security / safety rules laid down by the authorities will be expelled from the area without assigning any reason whatsoever and contractor shall have no claim on this account. No time extension shall be granted and nothing extra shall be payable by AAI on account of restriction due to non-operational hours and in restricted working conditions. Any expenditure i.e. statutory fee for making passes for manpower, machinery, plying of vehicle in-side construction site shall be borne by contractor and nothing extra shall be payable on this account.

- l) The work shall be carried out as per the direction of Engineer-in-charge. Work has to be executed as per quantities mentioned in description of relevant items.
- m) During execution of work the Consultant /firm should ensure that there will not be any disturbance to the aircraft operations / user agencies / public.


 अजय सिंह / AJAY SINGH
 वरिष्ठ प्रबंधक (अभियंता) / Sr. Manager (Engg.C)
 भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
 कडपा हवाई अड्डा / Kadapa Airport
 कडपा / KADAPA - 516003

- n) If the Consultant/firm is found to violate any of the security regulations, he shall be subjected to appropriate action in addition to being subjected to other legal proceedings.
- o) AAI reserves the right to close the contract at any time without assigning any reasons.
- p) The soil investigation Test reports shall be submitted as per the AAI enclosed Proforma "Annexure-III".
- q) From commencement to completion of the Works, the Contractor shall take full responsibility for the case thereof and for taking precautions to prevent loss or damage and to minimize loss or damage to the greatest extent possible and shall be liable for any damage or loss that may happen to the Works or any part thereof and all AAI's T & P from any cause whatsoever (save and except the Expected Risks) and shall at his own cost repair and make good the same so that at completion, the Works and all AAI'S T & P shall be in good order and condition and in conformity in every respect with the requirements of the Contract and instructions of the Engineer-in-Charge.
- r) The Contractor shall indemnify and keep indemnified AAI against all losses and claims for injuries or damage to any persons or any property whatsoever which may arise out of or in consequence of the construction and maintenance of Works and against all claims, demands proceedings, damage costs, charges and expenses whatsoever in respect of or in relation thereto.
- s) The contractor has to comply with the provisions of Contract Labour (Regulation and Abolition) Act of 1970 and contract labour (Regulation and Abolition) central rules 1971 Child labour (Prohibition & Regulation) Act 1986, Construction workers (Regulation of Employment and conditions of services) Act 1996, Building and other construction workers welfare cess Act 1996.
- t) Dispute Resolution Committee: If a dispute of any kind, whatsoever, arises between the procuring entity and contractor in connection with or arising out of the contract or the execution of the works, whether during the execution of the work or after their completion and whether before or after the repudiation or termination of the contract, including any disagreement by either party with any action, opinion, instruction, determination, certificate or valuation of the Authority; the matter in dispute shall in the 1st place, be referred to the Dispute Resolution Committee (DRC) appointed by the Regional Executive Director, AAI, RHQ, Chennai. DRC thus, constituted may act as "conciliator" Act 1996. DRC should take into consideration, rights and obligations of parties, usage to trade concern and circumstances surrounding the dispute(s), including any previous business practices between parties. Efforts of DRC should be to come to an amicable settlement of outstanding disputes. If parties agree, a written settlement will be drawn out and signed by the parties. DRC will authenticate the settlement Agreement and furnish a copy to each party. DRC will give its' report within 45 days of its constitution.
- u) Adjudication through Arbitration: - Except where the decision has become final, binding and conclusive in terms of Sub Para (I) above, disputes or differences shall be referred for adjudication through arbitration by a sole arbitrator appointed by the Regional Executive Director of AAI. If the arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever, another sole arbitrator shall be appointed in the manner aforesaid. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor. It is also a term of contract that If the contractor does not make any demand for appointment of Arbitrator in respect of any claim in writing within 120 (One hundred Twenty) days of receiving the decision / award from Dispute Resolution Committee, the claim of contractor(s) will be deemed to have been waived and absolutely barred and the AAI shall be discharged and released of all liabilities under the contract in respect of these claims. It is term of this contract that the party invoking arbitration shall give a list of disputes with amounts claimed in respect of each such disputes along with the notice for appointment of arbitrator and giving reference to the rejection of their claims by the Dispute Resolution Committee. It is also a term of this contract that no person, other than a person appointed by above mentioned appointing authority, should act as arbitrator and if for any reason that is not possible, the matter shall not be referred

to arbitration at all. The arbitration shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996 (26 of 1996) or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause. It is also a term of this contract that the arbitrator shall adjudicate on only such disputes as are referred to him by the appointing authority and give separate award against each dispute and claim referred to him and in all cases where the total amount of the claims by any party exceeds Rs.1,00,000/-, the arbitrator shall give reasons for the award. It is also a term of the contract that if any fees are payable to the arbitrator, these shall be paid equally by both the parties. It is also a term of the contract that the arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties calling them to submit their statement of claims and counter statement of claims. The venue of the arbitration shall be such place as may be fixed by the arbitrator in his sole discretion. The fees, if any, of the arbitrator shall, If required to be paid before the award is made and published, be paid half and half by each of the parties. The cost of the reference and of the award (including the fees, if any, of the arbitrator) shall be in the discretion of the arbitrator who may direct to any by whom and in what manner, such costs or any part thereof shall be paid and fix or settle the amount of costs to be so paid.


अजय सिंह / AJAY SINGH
वरिष्ठ प्रबंधक (ऑप-सि) / Sr. Manager (Engg.C)
भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
कडपा हवाई अड्डा / Kadapa Airport
कडपा / KADAPA - 516003

UN-CONDITIONAL ACCEPTANCE LETTER

(To be signed in company's letter head & submitted in Cover No.1)

To

Senior Manager Engg (Civil)
Airports Authority of India
Kadapa Airport, Kadapa — 516003.

Sir,

Sub: ACCEPTANCE OF AAI TERMS & CONDITIONS OF NOTICE INVITING QUOTATION

The quotation documents for the work of "Extension and Strengthening of Existing Runway, Taxiway and Apron along with Construction of Isolation Bay, Pavement against Blast Erosion, RESA and Perimeter Road, Grading of Strips etc. at Kadapa Airport for the operation of code – C Type of Aircraft (A-320) including Electrical works. **SH: Soil Testing for Runway Strip at Kadapa Airport, Kadapa.**" have been provided to me/us by Airports Authority of India and I/we hereby certify that I/we have inspected and read the entire terms and conditions of the quotation made available to me/us which shall form part of the contract agreement and I/we shall abide by the conditions/clauses contained therein.

1. I/we hereby unconditionally accept (s) the AAI terms and conditions as per the Notice Inviting Quotation documents in its entirety for the above work.
2. The contents of the Notice Inviting Quotation have been noted wherein it is clarified that after unconditionally accepting the NIQ document conditions in its entirety, it is not permissible to enclose any additional file or put any remark(s)/conditions(s) (except unconditional rebate on quoted rates if any) in/ along with the NIQ document and the same has been followed in the present case. In case, this provisions of the quotation conditions if found violated after opening of Envelope -B, I/We agree that the quotation shall be rejected.
3. 'That I I/We declare that I/we have not paid and will not pay any bribe to any officer of AAI for awarding this contract at any stage during its execution or at the time of payment of bills, and further if any officer of AAI asks for bribe /gratification, I will immediately report it to the Appropriate Authority in AAI'.
4. I/We agree that "If any stage, any information/ documents submitted by us are found to be false, we shall be liable for debarment from tendering in AAI, apart from any other appropriate / legal action."

Thanking You,

Yours faithfully,

(Signature of the Bidder)

Date:-



अजय सिंह / AJAY SINGH

वरिष्ठ प्रबंधक (अभि-सि) / Sr. Manager (Engg.C)
भारतीय विमानपत्तन प्राधिकरण / Airports Authority of Indiaकडपा हवाई अड्डा / Kadapa Airport
कडपा / KADAPA - 516003

AAI

(C-NIL.....-NIL-कडपा-516003)

A- 10

Schedule of Quantities - Schedule 'A'

Name of work: Extension and Strengthening of Existing Runway, Taxiway and Apron along with Construction of Isolation Bay, Pavement against Blast Erosion, RESA and Perimeter Road, Grading of Strips etc. at Kadapa Airport for the operation of code – C Type of Aircraft (A-320) including Electrical works.

SH: Soil Testing for Runway Strip at Kadapa Airport, Kadapa.

Sl. No.	Description of Item	Unit	Qty	Rate (Excluding GST)	Amount (Excluding GST)
1	Mobilization, Transportation of tools & Plants, deployment of same at site including deputing required manpower of labour lab analyst, supervision etc., for collection of soil samples and completion of entire field work as directed by the Departmental Official.	Job	01		
2	Excavation of trial pit of size 1.00m x 1.00m x 1.50m (L x B x D) at various locations for collection of soil samples.	each pit	06		
3	Collection of soil samples of required quantity at top, at 0.15m, at 0.50m and at 1.50m from existing ground level from each pit for conducting following testing. (Testing charges shall be paid separately)				
	a) Soaked CBR	each sample	18		
	b) Un-soaked CBR	each sample	18		
	c) Misc. Tests	each sample	24		
4	Conducting soaked CBR test as per IS code 2720 Part 16 for the samples collected as per Item no. 3 a).	each Test	18		
5	Conducting Un-soaked CBR test as per IS code 2720 Part 16 for the samples collected as per Item no. 3 b).	each Test	18		

6	Conducting following test for the samples collected as per Item no. 3 c). (i) Particle size Analysis (ii) Atterberg's limit (iii) In-situ density (iv) Dry Density (v) Field Moisture content (vi) Optimum Moisture content As per IS code 2720.	each sample	24		
	Total Rs.				
	Total Amount (in Words):				

Signature of Firm/Consultant with seal


 अजय सिंह / AJAY SINGH
 वरिष्ठ प्रबंधक (अभियन्ता) / Sr. Manager (Engg.C)
 भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
 कडपा हवाई अड्डा / Kadapa Airport
 कडपा / KADAPA - 516003

ANNEXURE -III

**PROFORMA FOR SUBMITTING SOIL
INVESTIGATION REPORT**


अजय सिंह / AJAY SINGH
वरिष्ठ प्रबंधक (अभ-सि) / Sr. Manager (Fngg.C)
भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
कडपा हवाई अड्डा / Kadapa Airport
कडपा / KADAPA - 516003

SOIL INVESTIGATION REPORT

Name of Work:

Client: Airports Authority of India:

AAI Ref. Letter No:

Period of Field Investigation:

Date of Report:


अजय सिंह / AJAY SINGH
वरिष्ठ प्रबंधक (अभिन-सि) / Sr. Manager (Engg.C)
भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
कडपा हवाई अड्डा / Kadapa Airport
कडपा / KADAPA - 516003

CONTENTS

S. No.	Description	Page no.

Certified that this report contains pages 1 to.....pages

Further all the tests have been conducted with high degree of reliability and accuracy.

Signature of Authorized

Signatory of Soil Consultant _____ dated _____

Name of Authorized Signatory _____

Designation of Authorized Signatory _____

Office Seal of Soil Consultant

Certified that the field investigation/collection of data for the above report has been carried out at


Signature _____ dated _____

Name of concerned Engineer of AAI _____


Designation _____


 अजय सिंह / AJAY SINGH
 वरिष्ठ प्रबंधक (अधि-सि) / Sr. Manager (Engg)
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1. Introduction: (Please. give description of work).
2. Site Description: (Please give detailed description of site indicating level w.r.t surrounding area indicating drain, whether area under investigation is fairly level or up and down or inclined).
3. Field Investigation Photographs: (Please attach Photographs showing the field test in progress along with the concerned technician/engineer)
4. Lab Investigation: (Please provide Summary of various tests carried out in the lab).
5. Location Map: (Pl. give location map of the area under investigation clearly indicating Landmarks which can clearly identify the area under investigation. Further the location plan should also indicate test locations on a well-Proportionate Scale).


अनंद सिंह / ANAND SINGH
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6. The Soil Profile: (PL Provide Detailed description of each layer /stratification of soil considering all the lab & field test).
7. **Recommendations:** (Based on the field and lab investigation the consultant shall give clear cut recommendation for):
- a) CBR Values supported with proper calculation etc. **Recommendation of the soil consultant regarding achieving soaked CBR value of minimum 4 and un-soaked CBR value of maximum 10 for the top 15 cm layer.**
 - b) Recommendation of the soil consultant regarding the soil stabilization/ ground improvement, including thickness of layer to be stabilized/improved to achieve the minimum effective CBR value of 15 at depth of 15 cm from top surface. Nothing extra shall be paid on this account.


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