

No. RITES/AP/Nashik/GT/2023-24/

Date: 24.09.2024

Subject: Call of Quotations for Undertaking Geotechnical Investigations for construction of Runway and allied links parallel to existing runway at HAL, Nashik (Contract No: NK/FW/CAP-1575/2023-24)

Dear sir,

RITES Limited is undertaking the Subject work for **“Consultancy Services for construction of Runway and allied links parallel to existing runway at HAL, Nashik (Contract No: NK/FW/CAP-1575/2023-24)”**. You are requested to send your most competitive quotation, duly signed (sign and stamp with office seal all the pages of this letter, along with covering letter on your company letter head) in a sealed cover for the subject work. The quotation shall be submitted at the following address:

Group General Manager (GGM)/Airports (Engineer-in-Charge)
RITES LTD., Shikhar Bhawan, Fourth Floor,

Plot No. 1 Sector -29,

Gurgaon (Haryana) – 122 001

The envelope containing the quotation should be super scribed with **“Quotation for: for Undertaking Geotechnical Investigations for construction of Runway and allied links parallel to existing runway at HAL, Nashik (Contract No: NK/FW/CAP-1575/2023-24)”**. The quotation shall be delivered in RITES office (at the above address) on or before **04.10.2024 hrs on 14:00 hrs**. The quotations shall be opened on **04.10.2024 at 14:30** hrs in presence of the tendered(s) or their representatives who are present at that time of opening. The Quotation shall be valid for a Period of **90 Days** from the date of submission.

1. The work is to be carried out in accordance with the Scope of work, Technical Specifications and Schedule of Quantities by deploying manpower as per enclosed Annex-A, B. The drawing showing indicative area to be surveyed shall be provided to the successful bidder on award of Letter of Award.
2. The area and location indicated in the scope of work is tentative and liable to vary up to an extent of $\pm 25\%$. The bidder shall be bound to execute the additional work, if any, on the same terms and conditions. No compensation will be paid in case of reduction in area.
3. The site is located at Ozhar Airport, Nashik in Nashik District of Maharashtra. There may be certain locations of the site where good approach may not be available. The bidder should take this aspect into consideration while quoting. The bidder may like to visit the site to familiarize himself with the terrain prior to quoting.
4. The total time for completion of work is 25 (Twenty-Five) days from the date of issue of LOA and the drawing showing the locations for geotechnical investigations.

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CIN: L74899DL1974GOI007227

S. No.	Stage	Timeline	Remarks
1	Stage-1 Mobilization and Field Work	To be completed within 10 days from issue of LoA	<ul style="list-style-type: none"> The successful bidder will have to organize the work at site within 05 days of issue of Letter of Award. The fieldwork shall be completed within 10 days of issue of Letter of Award.
2	Stage -2 Submission of detailed geotechnical investigation report	To be submitted within 10 days from completion of Phase-1 works	<ul style="list-style-type: none"> The detailed geotechnical report shall be submitted within 10 days of completion of Stage-1 works.

5. The bidder should be able to deploy team per site simultaneously for collection soil samples and performing geotechnical investigations. However, if more teams are required to be deployed for completing the work in allowed time, the planning for the same shall be sole responsibility of the successful bidder.
6. The bidder will not be allowed to further sub-contract any part of the work allotted to him.
7. The bidder should take all precautionary measures for their staff, labour, equipment etc. deployed for conducting the work.
8. The rates quoted should be including all taxes but excluding GST. The GST shall be reimbursed on production of proof of payment / voucher / challan. **The bidder shall submit a copy of their GST Number certificate along with the quotation document.**
9. Time is the essence of the contract, no time extension shall be granted for delay due to the reason(s) attributable to the bidder, RITES Limited shall be free to charge liquidated damages @ 1% per week of delay or part thereof for the entire work subject to maximum of 10% of the award value of the work order.
10. RITES shall deduct taxes as per statutory provisions as applicable.
11. All works shall be done to the desired accuracy and standard as per governing specifications and sound professional practices for geotechnical investigations.
12. The necessary jungle clearance and approach etc. for proper execution of the work, wherever required shall have to be done by the bidder at no extra cost.

13. Arbitration

In the event of any dispute or difference relating to the interpretation and application of the provisions of this contract, such disputes or differences shall be mutually discussed and settled with the Group General Manager (Airports), RITES Limited, Gurgaon. In case, no settlement is arrived at,

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the decision of the Vertical Head (BPA), RITES Limited, Gurgaon, shall be final and binding on the parties to the dispute.

14. 'Force Majeure'

'Force Majeure' as embodied in this contract shall mean, war declared or undeclared, civil war, forest fire, major flood and earthquake, subject as elsewhere herein or in the contract documents expressly provided. Only the existence of 'force majeure' circumstances as defined in this clause hereof shall afford the bidder a ground for extension of time for or any operation(s) involved therein, and specifically inclement or unforeseen weather, strike, shut-down, third party breach, delay in payment or commercial hardship shall not afford the bidder a ground for extension of time or relieve the bidder of his/her obligations under the contract, nor will any shut-down or late time charges be payable by the client to the bidder for any delay in the commencement, progress or completion of the work due to any reason whatsoever, inclusive due to the existence of force majeure circumstances.

As soon as the cause of Force Majeure is removed, the party, whose ability to perform its obligations has been affected, shall notify the other of such cessation and of the actual delay incurred in such affected activity adducing necessary evidence in support thereof. From the dates of occurrence of a case of Force Majeure, obligations of the party affected shall be suspended during the continuance of any inability so caused until the cause itself and the inability resulting there from have been removed and the agreed time of completion of the respective obligations under this contract shall stand extended by a period equal to the period of delay occasioned by such events.

Should one or both parties be prevented from fulfilling the contractual obligations by a state of Force Majeure lasting for a period of six months or more, the two parties shall consult each other and decide regarding the future execution of this contract.

15. MANDATE FORM

The bidder shall submit RTGS/NEFT Mandate Form as per Performa given in **Annexure-C**, dully filled in.

16. SECURITY DEPOSIT

16.1 At the time of making payments for each stage to the consultant, a deduction@ 5% shall be made from the gross amount towards security deposit.

16.2 On expiry of six months from the date of completion of Geotechnical Investigation work and submission of Report i/c all connected drawings/charts and related documents as per scope of work to the entire satisfaction of Engineer-in-charge, the Engineer-in-charge shall, on demand from consultant, refund to him the security deposit.

17. Payment Terms

Mobilization advance / intermediate payment shall not be payable. Payment will be made as per the following stages:

S. No.	Stage	Payment
1	Stage -2 – Submission of detailed geotechnical investigation report	100% of award value.

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18. Bidders should quote their most competitive rates for all the items. In the interest of expeditious completion of work, RITES will, however, be at liberty to divide the items of work suitably among various bidders.
19. As per Circular no: RITES/CO/ACCTS/TReDS/2023-24/01 dated 02.04.2024, all MSME bidders must upload their invoice on TReDS Portal and submit the seller ID of the RXIL Portal for processing of their invoice. Compliance on this account is mandatory for processing of invoices.

- Encl: i) Scope of Work and Technical Specifications (**Annexure - A**)
ii) Bill of Quantities (**Annexure –B**)
iii) Mandate Form (**Annexure C**)

Thanking you,
Yours Sincerely,

(Narinder Singh Rawat)
GM/Airports
RITES LTD., Shikhar Bhawan,
Fourth Floor, Plot No. 1 Sector -29,
Gurgaon (Haryana) – 122 001
Ph.: 0124 2818 491
Mob No: 8860828081

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Scope of Work and Technical Specifications for Geo-technical investigations: -

1. Field Work:-

The geo-technical investigation for selected site is required to be carried out as per the relevant BIS codes/ IS Codes and the report should also suggest the treatment required for the same, if any. The Soil Investigation shall include technical report for Geo-Technical Investigation for the subject work site and shall include the following:-

a) Number of Exploratory bore holes Dia 150mm – Total 49 Nos.

- **Boreholes at locations shown in Layout Plan** down to maximum depth of 6m or up to refusal whichever is met earlier in all type of soil including conducting SPT as per IS: 2131 within the borehole as per specification at every 1.5 m interval or at change of strata whichever is earlier. The work should include Collection of undisturbed soil samples (At least 3 Samples) and balance Disturbed Soil Samples from each bore at 1.5 m interval or at change of strata whichever is earlier.
- **Laboratory Test:-**
 - i) All the laboratory test will be conducted as per IS 2720 and relevant IS code which cover followings:-
 - In situ density, Natural moisture content and natural dry density,
 - Optimum Moisture Content and Maximum Dry Density
 - Atterberg's limits
 - Grain size analysis and soil classification
 - C and ϕ by triaxial shear test
 - settlement characteristics consolidation test(if clay exist)
 - Specific gravity
 - Swelling pressure/swelling Index(if clay exist)
 - j) If any Rock found on site, Laboratory test on rock samples collected from bore holes are:-
 - Density
 - Specific gravity
 - Water absorption
 - Uniaxial compressive strength

b) CBR Test (4 days soaked) with heavy compaction at OMC and MDD as per IS 2720 part-16 = Total 12 Nos

- Excavation of Trial pits upto 3 m depth in soil for collection of samples for CBR and carrying out CBR test (4 days soaked) with heavy compaction, alongwith atterberg limits, grain size analysis and Natural moisture content & natural dry density.

c) Modulus of Subgrade Reaction Test - (As per IS 9214) Total 8 Nos

- Loading platform truss of sufficient size and properly designed members so as to estimate load reaction Tor conducting the test shall be used. Hydraulic jack of required capacity with properly calibrated load measuring device, such as pressure gauge, electronic load cell, or proving, ring shall be used. Circular or square bearing plates of mild steel, not less

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than 25 mm in thickness and varying in size from 750 mm to 1500 mm with chequered or grooved bottom, provided with handles for convenient setting and center marked. As an alternative, cast in-situ or precast concrete blocks may be used with depths not less than two third the width.

d) **Reporting:-**

- Reporting of Modulus of Subgrade Reaction k, Ultimate Safe Bearing Capacity and Safe Bearing Capacity.
- Submission of final report in eight hard copies including recommendations on soil stabilization/ground improvement and foundation to be adopted. This Covers the followings: -
 - Bore Logs
 - SPT Value Graphs and reporting of N-Value
 - Interpretation of results, Analysis and Recommendations.
 - The soil investigation report shall give clear recommendation of the soil characteristics to be adopted for the design of foundations for buildings and other structures including safe net bearing capacity, Gross Bearing Capacity and all other required input necessary for design of a foundation.
 - Discussion of field and laboratory test-Ground water table if any.
 - Result Summary

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Annexure-B- Bill of Quantities

Name of work: -Call of Quotations for Undertaking Geotechnical Investigations for construction of Runway and allied links parallel to existing runway at HAL, Nashik (Contract No: NK/FW/CAP-1575/2023-24)

S. No.	Description of Works	Unit	Quantity	Rate (Rs)	Amount (Rs)
1	Erection & shifting of drilling equipment from one borehole and construction of working platform for drilling machine including making of approaches.	No	49		
2	Drilling of boreholes down to maximum 10 m depth in all type of soil including conducting standard penetration test at specified depth and collection of disturbed and undisturbed samples (75/100 mm diameter) from boreholes. The work should include conducting standard penetration test as per IS : 2131 within the borehole as per specification at 0.75m, 1.5m, 2.25m, 3m & thereafter at every 1.5m interval or change of strata whichever is earlier and collecting undisturbed soil samples from each bore.	Meter	490		
3	Excavation of Trial pits up to 1.50m depth, collection of soil samples including undertaking following tests i) 4 days soaked CBR test with heavy compaction as per IS 2720 part-16, ii) MDD/OMC, iii) Atterberg limits and iv) grain size analysis.	No.	12		
4	Laboratory tests on soil samples collected from bore holes				
	Soil samples				
i	In situ density , Natural moisture content and natural dry density	No.	441		
ii	Atterberg's limits	No.	441		
iii	Grain size analysis	No.	441		
iv	C and ϕ by triaxial shear test	No.	441		
v	Settlement characteristics consolidation test	No.	441		
vi	Specific gravity	No.	441		
vii	Swelling pressure/swelling Index	No.	441		

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S. No.	Description of Works	Unit	Quantity	Rate (Rs)	Amount (Rs)
5	Preparation and submission of report in Eight copies including recommendations on soil stabilization/ ground improvement and foundation to be adopted, recommendation on cost effective Embankment design (3m & 6m fill)	LS	1		
6	Conducting Modulus of Subgrade Reaction Test complete as per Technical Specifications and IS 9214 -1979 and recommending the design K Value for Design of Rigid Pavements including cost of mobilization and demobilization complete as per the directions of engineer in charge of work	No.	8		
7	Mobilisation and demobilization of necessary equipment/machinery to site & back.	LS	1		
	Total Amount (Rs.) (in figures and in words)				
	Add GST @ 18% (Rs) (in figures and in words)				
	Grand Total Amount (Rs (in figures and in words))				

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Annexure C: MANDATE FORM

To,

RITES Ltd.

Dear Sir,

Authorization for payments through Electronic Fund Transfer System (RTGS/NEFT)

We hereby authorize RITES Ltd. to make all our payments, including refund of Earnest Money, through Electronic Fund Transfer System (RTGS/NEFT). The details for facilitating the payments are given below:

(TO BE FILLED IN CAPITAL LETTERS)

1	NAME OF THE BENEFICIARY	
2	ADDRESS WITH PIN CODE	
3	(A) TELEPHONE NO. WITH STD CODE	
	(B) MOBILE NO.	
4	BANK PARTICULARS	
A	BANK NAME	
B	BANK TELEPHONE NO. WITH STD CODE	
C	BRANCH ADDRESS WITH PIN CODE	
D	BANK FAX NO. WITH STD CODE	
E	11 CHARACTER IFSC CODE OF THE BANK (EITHER ENCLOSE A CANCELLED CHEQUE OR OBTAIN BANK CERTIFICATE AS APPENDED)	
F	BANK ACCOUNT NUMBER AS APPEARING IN THE CHEQUE BOOK	
G	BANK ACCOUNT TYPE (TICK ONE)	SAVING CURRENT CREDIT LOAN CASH OTHERS
H	IF OTHERS, SPECIFY	
5	PERMANENT ACCOUNT NUMBER (PAN)	
6	E-MAIL ADDRESS	

I / We hereby declare that the particulars given above are correct and complete. If the transaction is delayed or credit it not effected at all for reasons of incomplete or incorrect information, I / We would not hold RITES Ltd. responsible. Bank charges for such transfer will be borne by us. **(*Please enclose a copy of GST Certificate in Case of Firm/Company/Proprietorship).**

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