

REQUEST FOR PROPOSAL



Request for Proposal

Invitation for Quotations for assisting DIMTS for Carrying out Geotechnical Studies in connection with doubling from Bhatinda (BTI) to Lalgah (LGH)-323.90 km section of Bikaner Division of North Western Railway.

Tender Reference No. DIMTS/Railways/NWR/2023-24/27

June, 2023

**Delhi Integrated Multi-Modal Transit System Limited
(DIMTS)**

(A JV of Govt. of NCT of Delhi and IDFC Foundation)

8th floor, Block 1, Delhi Technology Park, Shastri Park, Delhi – 110053
(India).

Letter Inviting Quotations

No. DIMTS/Railways/NWR/2023-24/27,

Date: 28/06/2023

Subject: Invitation for Quotations for assisting DIMTS for Carrying out Geotechnical Studies in connection with doubling from Bhatinda (BTI) to Lalgah (LGH)-323.90 km. section of Bikaner Division of North Western Railway.

1. INVITATION

- i. M/s DIMTS Ltd. invites sealed quotations for agencies for assisting DIMTS for the subject work. Last date and time for submission of quotations is up to 15:00 Hrs on 03.07.2023
- ii. **Scope of work:** The work is to be carried out as per scope of work and technical specifications.

Description of Site: Carrying out Geotechnical Studies in connection with doubling from Bhatinda to Lalgah - 323.90 Km. section of Bikaner Division

The agency should familiarize itself with the present site condition before providing quotations.

- iii. **Completion Time:** Completion period for the said work will be 120 days from date of LOA.
- iv. **Timeline Schedule:**
 - a) The date of letter of award should be considered as date of start of work. The successful agency is required to organize the work with 7 days from date of issue of letter.
 - b) The schedule for the said work needs to be submitted in Bar Chart format before start of the work.
 - c) Execution of work on site is to be completed in 90 days.
 - d) The execution of work on site should be done in stretches of approx. 75 kms parallelly for faster execution by deployment of multiple teams.
 - e) Multiple teams need to be deployed along the stretch for faster completion of work.
 - f) Delivery of report and data should be in continuous manner after a period of 15 - 20 days from execution of GT work in the field, as per instructions issued by Engineer-in-charge.
 - g) Multiple teams need to be deployed along the stretch for faster completion of work.
- v. **Bid Validity:**
 - a) The validity of this bid is for a period of 90 days.

2. QUALIFICATION CRITERIA

- i. The bidder should have satisfactorily completed in its own name at least one work of similar nature of minimum value of INR 25.00 lakhs (Twenty-five Lakhs only) or three works of minimum value of INR 10 lakhs each (Ten Lakhs only). Similar nature of works implies work related to Geotechnical Investigation work for Railway/Highway

projects.

- ii. Only such works shall be considered which are 100% physically completed in all respect and the completion certificate issued by client is to be furnished from client along with certificate of TDS deduction.
- iii. The bidder shall submit the details of such completed works in the form of experience certificate from client indicating the name of work, description of work done by the bidder, the value of contract executed, date of start, date of completion etc. as per the format given in **Annexure C**.
- iv. Credential certificate issued by Govt. organization / Semi Govt. organizations / Public sector undertakings / Autonomous bodies of Central / State Govt. / Municipal Bodies/ Public Ltd. companies listed on share market shall only be accepted for accessing the eligibility of bidder. The certificate issued from the company listed under Stock Exchange must be supported by TDS certificate issued by the company.
- v. Bidder is not eligible if DIMTS/any Govt./Semi Govt "company/entity" has terminated the contract within last three financial years and the current year.
- vi. Financial Credentials supported by Financial Certificate/CA certificate shall be submitted by the bidder. The average financial turnover should not be less than Rs. 50 lakhs per annum over last three financial years.

3. SUBMISSION OF TENDER

The tender is published on "Percentage Rate" basis & Two Packet envelope system is opted for this tender. The bidder is required to submit the quotations for technical proposal and financial proposal in separate sealed and labelled envelopes at following office:

Mr. Arvind Kr. Shrivastava

Address: M/s Delhi Integrated Multi Modal Transit System Limited, 8th Floor, Block -1, Delhi Technology Park, Shastri Park, New Delhi – 110053.

M/s DIMTS shall not be responsible for any delay in delivery of sealed packed Envelopes. Technical proposal from the quotations will be opened and evaluated. Further, the financial proposals of only technically qualified bidders will be opened.

4. EARNEST MONEY DEPOSIT (EMD)

- i. Bidders need to submit Earnest Money Deposit of INR 50,000.00/- (Fifty thousand only) in form of DD or FDR in separate sealed and labelled envelope along with financial proposal. The DD shall favour "**Delhi Integrated Multi Modal Transit System Limited, Delhi**".
- ii. For successful bidder, EMD will be retained as initial security deposit for due and faithful fulfilment of the contract.

5. SECURITY DEPOSITS

Security Money will be recovered from progressive bills @10% of the bill amount till it reaches 5% of the awarded work order value.

6. PAYMENT

- i. No mobilization advance will be paid to contractor.
- ii. Payment will be made on back-to-back basis i.e. payment will be done after M/s DIMTS Ltd. receives respective payment from NWR for this item of work.
- iii. Any upward/ downward variation, item to item will be considered only after written approval of the competent authority of M/s DIMTS Ltd.

7. RATES

- i. The rates agreed shall be all-inclusive for completion of works in accordance with terms and conditions and processes as per standard specifications, relevant codes whether mentioned or not in the Scope of Work.
- ii. The rates agreed shall be firm and hold good till the completion of the works, and no additional claim or amount shall be admissible on account of fluctuations in market rates, increase in taxes, levies, fees royalties etc.

8. VARIATION

In case of variation in quantity, revised rates approved by client as per GCC (General Conditions of Contract) of Indian Railway shall be applicable to contractor as follows:

- i. Quantities operated in excess of 125% but up to 140% of the agreement quantity of the concerned item, shall be paid at 98% of the rate awarded for that item in that particular tender.
- ii. Quantities operated in excess of 140% but up to 150% of the agreement quantity of the concerned item shall be paid at 96% of the rate awarded for that item in that particular tender.
- iii. Variation in quantities of individual items beyond 150% will be avoided and would be permitted only in exceptional unavoidable circumstances and shall be paid at 96% of the rate awarded for that item in that particular tender.

9. METHODOLOGY AND ACCURACY STANDARDS

The contractor shall submit methodology (within 7 days from LOA) for carrying out work. The methodology shall cover the details of equipment and specifications which shall be used for conducting various activities and completing the same in stipulated time.

The methodology shall detail the equipment and their relative accuracy ranges for taking up these works in compliance to the relevant technical specifications. The methodology shall also indicate the work plan & resources to be deployed for the investigation works.

10. LIQUIDATED DAMAGES

In case there is any delay in completion of the field work or in submission of the draft reports or final report, liquidated damages @ 0.5% of value of entire work order as stipulated in the letter of award per week of delay shall be levied, subject to a maximum limit of 10% of value of entire work as stipulated in the letter of award.

11. GENERAL CONDITIONS

- a) It shall be noted by the agency that where the work involves working in cultivated fields, bushes/high grass fields, river portion, the Survey agency shall adopt all precautionary measures to safeguard life, property, structures, environment etc. and arrange permission of local authorities at its own cost and the rates shall include cost of all such measures. The safety norms for working in the river channel shall be ensured. All staff and instruments which shall be deployed for work by the agency shall be insured prior to deployment. In case of any eventuality M/s DIMTS will not be responsible for any loss or damage to life and property of the manpower and equipment deployed by the agency. Nothing extra will be paid on account of this by M/s DIMTS. The agency will take adequate measures to ensure that there is no delay of work under any of the above circumstances.
- b) The agency shall have no claim for compensation in case of delay/disruption in works due to obstruction in work by local people/villagers, strikes that may take place during the progress of work. M/s DIMTS shall not be responsible for any loss or damage to the agency's personnel, material, equipment, tools and plants for any cause whatsoever.
- c) The agency shall make his own arrangements for the approaches for carrying his own equipment, tools, plants, labour and material etc. The agency shall sort out any dispute for compensation for damage to the Govt/Private properties during GT work without involving M/s DIMTS.
- d) The agency will not be allowed to further sub-let the work or any part thereof allotted to him without prior written permission of M/s DIMTS.
- e) The agency and his representative shall carry a valid identity proof during the execution of work at site.
- f) With respect to their employees or assignees, the agency shall be solely responsible for strictly following all Labour Laws, Industrial Laws, Factories Act, Contract Labour (Regulations & Abolition) Act, Minimum Wages Act, Payment of Bonus Act, Payment of Gratuity Act, Provident Fund Act, Workmen Compensation Act and such other laws which are applicable from time to time, including but not limited to the modification, amendments or additions which are made to these laws during the period of contract. The agency shall have to, at his own expenses, comply with labour laws and keep DIMTS indemnified in respect thereof.
- g) Agency shall be fully responsible for all matters arising out of the performance of the contract and shall comply, at their own expenses, with all laws /acts/enactments/orders/ regulations/ statutory obligations, whatsoever of the Government of India, State Government, Local Self Government or any Statutory Authority.
- h) In case of breach of contract on account of the vendor, the agreement shall be treated as null and void and the respective amount as EMD and SD shall be forfeited/encashed. DIMTS reserve his rights to do so and any legal/ arbitral proceedings shall be entertained in jurisdictions of Delhi – NCR.
- i) If the contract is foreclosed or determined by Client/Railway, this contract shall also be liable to be foreclosed or determined, at sole discretion of DIMTS without any damage/compensation, payable to contractor.

12. GENERAL CONDITIONS FOR EXECUTION OF WORK

- a) Contractor shall set out the work according to the plan and as directed by the

Engineer or his representative. Reference pegs shall be fixed and kept clear of all obstructions. He/ they shall obtain the approval in writing from the Engineer for the correctness of the setting out and the reference marks before commencing the actual execution of the work.

- b) Cost of all materials, tools, plants, equipments, sheds etc. required for the work and all charges on account of their transportation, handling, erecting, dismantling after work shall be included in the rates quoted by contractor and no extra payment will be made for these. The rates quoted shall include cost of all ancillary items of work, if any, to complete the work as described in the stipulated duration of time and no extra payment shall be admissible on this account.
- c) The Engineer will have the right to inspect any or all the equipments of the contractor before starting the work or at any time during the progress of the work and the contractor shall remove from site and not use any such equipment's as have been found unsuitable.
- d) During the course of work, the contractor shall afford all facilities, at his own expense, to the Engineer for inspecting the works, taking measurements and for all other activities as found necessary by the Engineer.
- e) The data/report/ submission of deliverables must be as per standards and satisfactory to the Client.
- f) The contractor shall make accessible to the Engineer all the laboratory equipment's, records, testing of samples etc. at all times during the progress of the work. The Client reserves the right to post full time or part time, one or more of their representatives in the laboratory of the contractor in order to ensure proper supervision of the work.

13. SPECIAL CONDITIONS

- a) The Laboratory for Testing on Soil and rock Sample should be accredited from National Accreditation Board for Testing and Calibration Laboratories (NABL). The Certificate for the accreditation needs to be provided along with the tender documents.
- b) The bidder must have calibrated instruments as per the specifications mentioned.
- c) The contractor should appoint a qualified graduate engineer at every site of the ongoing work. Failure to do so may cause penalty of Rs. 1000/- per day for the no. of days of absence from site.

14. TECHNICAL SPECIFICATIONS

FOR BORING/DRILLING WORKS-

- a) Bore holes shall be of 150mm nominal diameter. In non-rocky strata the bore hole is to be extended by shell and auger or any other approved method but wash boring or percussion boring shall not be adopted under any circumstances. The boring and drilling work shall be carried out as per IS: 1892-1962.
- b) The casing pipe shall be with smooth joints. Elevations of various strata and all levels that are recorded and referred to shall be with respect to the benchmark to be given at any nearby convenient location by the Engineer.

- c) During the boring/drilling operation, all samples shall be systematically collected, correctly identified and properly stored and record properly in the field register.
- d) As soon as a bore hole is completed, the contractor shall submit to the Engineer in duplicate a field record of the boring made including identification report of soil stratum by approved field identification procedure as per IS code 1498-1970. In addition, a daily progress chart of the work shall be submitted giving the above information.
- e) While boring/ drilling, it shall be ensured that the casing does not advance ahead of the bore hole under any circumstances.
- f) Before conducting penetration tests or collection of samples from the bore hole, the bottom of the borehole shall be thoroughly cleaned. Cleaning may ordinarily be done by suitable clean-out augers, sand pumps or bailers, Cleaning shall extend to the edge of the casing and shall preferably be slightly deeper than the casing end.

FOR UNDISTURBED SAMPLES-

- a) Undisturbed soil samples of 100 mm dia. shall be taken as per IS 2132-1972 soon after the bore hole has been cleaned. It shall be sealed and labelled properly as provided in the referred IS Code. For non-cohesive soils, soil samples may be taken as per IS 1892-1962 or any other approved method.

FOR ROCK SAMPLES-

- a) Rock core samples of 50 mm dia. shall be taken from drill cores and the samples shall be marked to indicate their original position and orientation with respect to the parent rock mass. The samples shall be properly sealed by wax, labelled and stored immediately after collection so that these are moisture proof. They shall be sent for testing in a glass jar or wooden box with saw dust.

FOR LABORATORY TEST:

a) On Soil samples-

- i) Natural Moisture Content and NCC
- ii) Atterberg Limit
- iii) Specific gravity
- iv) Particle Size Distribution
- v) Direct Shear Test
- vi) Triaxial test
- vii) Natural density
- viii) Unconfined compression test
- ix) Consolidation test

b) On Rock Samples-

- i) Water Absorption
- ii) Specific Gravity
- iii) UCS
- iv) Determination of Modulus of Elasticity and Poisson's Ratio
- v) Point load test
- vi) Density & Porosity

- c) The type of actual tests required for each samples and other details shall be given from time to time by the Engineer to the contractor as the work progresses The Engineer reserves the right to test some of the samples in his own laboratory or any other laboratory other than the contractor's at his own discretion.

- d) The handling of samples, testing, reporting etc. shall be done as per the latest relevant IS Specifications.
- e) Test result shall be submitted to the Engineer on day-to-day basis as the tests get completed.
- f) Geotagged Image of Daily progress along with Various stages of Boring and other activity has to be share as Daily progress report. DIMTS may nominate it's representative to monitor the same. All details of whole work have to be submitted BH No wise in Hard disk as Trackable format with Base KMZ/KML file.

15. DELIVERABLES/REPORTS TO BE SUBMITTED:

- a) After completion of the work the contractor shall submit the results of tests on regular intervals (or on demand of DIMTS) on various samples of each bore hole in a proper tabular form as per relevant IS codes along with his detailed Report in three copies.
- b) The Geotechnical Detailed Report formats has to be prior approved from DIMTS as per applicable format.
- c) The Bore materials should be properly packed, preserved in core boxes and submitted to client as per IS Codes and the instruction of the client.

16. SIGNING OF "NO CLAIM" CERTIFICATE

The agency shall not be entitled to make any claim whatsoever against M/s DIMTS under or by virtue of or arising out of the contract, nor shall the M/s DIMTS entertain or consider any such claim if made by the contractor after he shall have signed a "No Claim certificate" in favour of the M/s DIMTS in such form as stipulated, after the works are finally measured up. The contractor shall be debarred from disputing the correctness of any item covered by the "No claim Certificate" or demanding a reference to arbitration in respect thereof.

- a) The bidder, whose bid has been accepted, will be notified of the award of work by the M/s DIMTS by issue of a Letter of Acceptance prior to expiration of the validity of the quotation.
- b) The Letter of Acceptance will be issued in duplicate. One copy of Letter of Acceptance shall be returned duly signed and stamped. The Letter of Acceptance shall be a binding contract between the M/s DIMTS and the contractor.

17. DISPUTES

All disputes relating to this RFP or on any issue whether arising during the progress of the work or after the completion or abandonment thereof or any matter directly or indirectly connected with the work shall in the first place be referred to a sole conciliator appointed / nominated by CEO, DIMTS on receipt of such request from either party. The arbitration proceedings shall be governed by Indian Arbitration and Conciliation Act, 1996.

18. FORCE MAJEURE:

'Force Majeure' as embodied in this contract shall mean, war declared or undeclared, civil war, forest fire, major flood and earthquake, pandemic situation, lockdown imposed by

Government as herein or in the contract documents expressly provided. Only the existence of 'force majeure' circumstances as defined in this clause hereof shall afford the GT agency a ground for extension of time for or any operation(s) involved therein, but inclement or unforeseen weather, strike, shutdown, third-party breach, delay in payment or commercial hardship shall not afford the agency a ground for extension of time or relieve the agency of his/her obligations under the contract, nor will any shutdown or late time charges be payable by the client to the agency 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 the actual delay incurred in such affected activity producing 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 such inability so caused until the cause itself and the inability resulting therefrom 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.

19. GENERAL INSTRUCTIONS FOR SUBMISSION OF QUOTATIONS

- i. Quotations along with copy of this letter shall be returned duly signed and stamped on all pages as a token of unconditional acceptance.
- ii. Name, Contact details & Designation of the authorized person for enquiry, negotiation shall be provided by the bidder.
- iii. Technical and Financial proposal shall be provided in separate sealed packed envelopes mentioning the name on each envelope.
- iv. EMD in form of DD or FDR should be in separate sealed packed envelope mentioning heading EMD.
- v. M/s DIMTS does not bind itself to accept lowest or any other bids and reserve the right to reject lowest or any other bids or all other bids and accept any bid either in whole or in part without assigning any reason whatsoever.

Arvind Kr. Shrivastava

Consultant

RAILWAYS/ DIMTS

Encl:

1. Forms (Annexure A, B and C)
2. Financial Proposal (Scope of Work)

Annexure A

Details of Plant and Machinery already available with the firm

S.No	Particulars of Equipment, Plant/ Machinery	No. of Unit	Kind and Make	Capacity	Date by which the plant/ machinery would be available for use of this work	Age & Condition
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1						
2						
3						
4						
5						
6						
7						

This is to certify that all equipment indicated from S. No (---) to S. No (---) is available with the firm.

Date:

Signature of Tenderer/s with seal

Annexure B

List of Engineers/ Personnel already available/ proposed to be employed for deployment on this work:

S.No	Name & Designation	Qualification	Professional Experience	Organization with whom working	Date by which personnel will be available for this work
(1)	(2)	(3)	(4)	(5)	(6)
1					
2					
3					
4					
5					
6					

Date:

Signature of Tenderer/s with seal

Annexure C

Statement of work executed/ completed by the contractors

S. No	Name and Place of Work	Authority/ agency for which work was carried out	Date of award & agreement no.	Date of completion (original/ actual)	Agreement/ Completion Cost	Principal/ technical features work in brief	Page No. at which relevant certificate/ documents are attached
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1							
2							
3							
4							
5							
6							

Date:

Signature of Tenderer/s with seal

Financial Proposal

Scope of Work for Project:

Carrying out Geotechnical Studies in connection with doubling from Bhatinda (BTI) to Lalgah (LGH)-323.90 km section of Bikaner Division of North Western Railway.

S. No.	Description	Unit	Qty	Rate (in INR)	Amount (in INR)
1	Geotechnical investigation by boring holes of dia. 150 mm taking soil samples (disturbed/undisturbed) at every 1.5 meter conducting standard penetration test carry out necessary test on soil samples in laboratory and providing the detailed report of bore log testing parameter position of water table and calculation of bearing capacity at various depth with appropriate foundation type. The bore log shall be prepared in Auto cad and the soft copy of the report shall also be submitted. Note: The rates include all tools and plants labour and other materials as a complete job & nothing extra shall be paid over and above this item.	Metre	8230	813.20	66,92,670.59
2	Extra for 150mm dia. Bore in hard Rock/large Boulder at all levels	Metre	310	1,550.92	4,80,785.70
3	Drilling of NX size borehole (75mm dia.) in all types of hard rock and collection of rock core samples from boreholes and preserving in core-boxes. 0 to 10 Mtr	Metre	1235	2,227.34	27,50,767.16
4	Drilling of NX size borehole (75mm dia.) in all types of hard rock and collection of rock core samples from boreholes and preserving in core-boxes. 10 to 20 Mtr	Metre	155	2,387.11	3,70,001.59
Total (Inclusive of all taxes except Applicable GST) (in INR)					1,02,94,225.05
Quoted percentage by contractor (Above/Below/At Par)					
Amount (in Figures) as per the quoted Percentage (Inclusive of all taxes except Applicable GST) (in INR)					
Amount (in Words)					

**Signature (with stamp)
of Authorized Signatory**

***Note:**

- Contractor should quote single percentage above/below/at par on total amount of BOQ.
- The rates are inclusive of all materials, transport, labour, all lead and lift, tools & plants, machineries for completion of items except otherwise specified in the schedule of quantities.
- In case of any discrepancy/mismatch in the amount of the quote, the lowest of the amount mentioned in figures and words will be considered.