

Addendum-2 to "Geotechnical investigation works for revised alignment of Mumbai Metro Line 11" RFP

ADDENDUM-2 to 'Geotechnical investigation works for revised alignment of Mumbai Metro Line 11' RFP

Date: August 16, 2024

Ref: Request for Proposal (RFP) for 'Geotechnical investigation works for revised alignment of Mumbai Metro Line 11' RFP published on July 31, 2024

Please note the following amendments to the aforesaid RFP considering various requests and queries/clarifications sought by the bidders:

GENERIC/ RFP SUBMISSION RELATED DETAILS	
SN 1	KML File 1. Line 11 revised alignment 2. Tentative locations of stations <u>Above details on the site can be downloaded from the following link:</u> https://drive.google.com/drive/folders/1j29q7H8keb7YL8-BtePKI9seZDownmBv?usp=drive_link

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RFP RELATED REVISIONS:

SN	Original Clause	Revised Clause																																														
1	<p>Clause 1, Pg. No. 3</p> <table border="1"> <tr> <td>Name of Work and Location</td> <td>Geotechnical Investigation works for revised alignment of Mumbai Metro Line 11</td> </tr> <tr> <td>Description of Work</td> <td>appointment of contractor for undertaking Geotechnical Investigation works for revised alignment of Mumbai Metro Line 11'</td> </tr> <tr> <td>Estimated Cost Rs.</td> <td>1,52,37,524.00/- (Excl. GST)</td> </tr> <tr> <td>Earnest Money Deposit</td> <td>Rs. 1,52,375/-</td> </tr> <tr> <td>Security Deposit</td> <td>Nil</td> </tr> <tr> <td>Retention money</td> <td>5% of the RA cum Final Bill</td> </tr> <tr> <td>Performance Guarantee</td> <td>5% of the Awarded Contract Value</td> </tr> <tr> <td>Period of Completion</td> <td>90 days (03 Months) [including monsoon]</td> </tr> <tr> <td>last date and time of submission of bid</td> <td>21.08.2024 up to 1600 hrs.</td> </tr> <tr> <td>Bids shall be submitted online only at CPP website</td> <td>Link paste form doc</td> </tr> <tr> <td>Addendum & Corrigendum, if any will be issued only on website</td> <td>Link paste from doc</td> </tr> </table>	Name of Work and Location	Geotechnical Investigation works for revised alignment of Mumbai Metro Line 11	Description of Work	appointment of contractor for undertaking Geotechnical Investigation works for revised alignment of Mumbai Metro Line 11'	Estimated Cost Rs.	1,52,37,524.00/- (Excl. GST)	Earnest Money Deposit	Rs. 1,52,375/-	Security Deposit	Nil	Retention money	5% of the RA cum Final Bill	Performance Guarantee	5% of the Awarded Contract Value	Period of Completion	90 days (03 Months) [including monsoon]	last date and time of submission of bid	21.08.2024 up to 1600 hrs.	Bids shall be submitted online only at CPP website	Link paste form doc	Addendum & Corrigendum, if any will be issued only on website	Link paste from doc	<p>Clause 1, Pg. No. 3</p> <table border="1"> <tr> <td>Name of Work and Location</td> <td>Geotechnical Investigation works for revised alignment of Mumbai Metro Line 11</td> </tr> <tr> <td>Description of Work</td> <td>appointment of contractor for undertaking Geotechnical Investigation works for revised alignment of Mumbai Metro Line 11'</td> </tr> <tr> <td>Estimated Cost Rs.</td> <td>1,52,37,524.00/- (Excl. GST)</td> </tr> <tr> <td>Earnest Money Deposit</td> <td>Rs. 1,52,375/-</td> </tr> <tr> <td>Security Deposit</td> <td>Nil</td> </tr> <tr> <td>Retention money</td> <td>5% of the RA cum Final Bill</td> </tr> <tr> <td>Performance Guarantee</td> <td>5% of the Awarded Contract Value</td> </tr> <tr> <td>Period of Completion</td> <td>90 days (03 Months) [including monsoon]</td> </tr> <tr> <td>last date and time of submission of bid</td> <td>29.08.2024 up to 1600 hrs.</td> </tr> <tr> <td>Opening of Bid</td> <td>30.08.2024 at 1600hrs</td> </tr> <tr> <td>Bids shall be submitted online only at CPP website</td> <td>Link paste form doc</td> </tr> <tr> <td>Addendum & Corrigendum, if any will be issued only on website</td> <td>Link paste from doc</td> </tr> </table>	Name of Work and Location	Geotechnical Investigation works for revised alignment of Mumbai Metro Line 11	Description of Work	appointment of contractor for undertaking Geotechnical Investigation works for revised alignment of Mumbai Metro Line 11'	Estimated Cost Rs.	1,52,37,524.00/- (Excl. GST)	Earnest Money Deposit	Rs. 1,52,375/-	Security Deposit	Nil	Retention money	5% of the RA cum Final Bill	Performance Guarantee	5% of the Awarded Contract Value	Period of Completion	90 days (03 Months) [including monsoon]	last date and time of submission of bid	29.08.2024 up to 1600 hrs.	Opening of Bid	30.08.2024 at 1600hrs	Bids shall be submitted online only at CPP website	Link paste form doc	Addendum & Corrigendum, if any will be issued only on website	Link paste from doc
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2	<p>Clause 2.B, Pg. No. 6 Similar work shall mean Geotechnical Investigation works for metro rail / railway / infrastructure project, etc. (Scanned copies of Completion certificate certified by Executive Engineer or equivalent authority and for Private works certificate issued by concerned Architect along with Completion certificate to be uploaded).</p>	<p>Clause 2 B, Pg. No. 6 Similar work shall mean Geotechnical Investigation works for metro rail / railway / infrastructure project, etc. (Scanned copies of Completion certificate certified by Executive Engineer or equivalent authority and for Private works certificate issued by concerned Licensed Geotechnical Engineer along with Completion certificate to be uploaded).</p>
3	<p>Clause 11, Pg. No. 9 Concessions to Indian Micro & small Enterprises (MSEs) units registered with DIC/NSIC/KVIC/KVIB/Directorate of Handicraft and handloom etc to be given as per provision of public procurement policy for MSEs order 2012 with up to date amendments, shall be applicable for tenders of supply/services and shall not be extended to construction work.</p>	<p>Clause 11, Pg. No. 9 Concessions to Indian Micro & small Enterprises (MSEs) units registered with DIC/NSIC/KVIC/KVIB/Directorate of Handicraft and handloom etc to be given as per provision of public procurement policy for MSEs order 2012 with up to date amendments, shall be applicable for tenders of supply/services and shall not be extended to construction work. EMD applicability clause as per the provision in CPP portal</p>
4	<p>Clause 2.1.2, Pg. No. 39 In view of above, MMRC intends to appoint contractor for undertaking Geotechnical Investigation works for revised alignment of Mumbai Metro Line 11. The contracting services include Construction of Office spaces tentatively comprising of G+1 structure. The scope shall include but not limited to all Civil & Structural Works, Architectural, interior Design, FF, Internal and External Electrical Works, plumbing & drainage facilities, sanitary fixtures, external infrastructure works, external services etc</p>	<p>Clause 2.1.2, Pg. No. 39 In view of above, MMRC intends to appoint contractor for undertaking Geotechnical Investigation works for revised alignment of Mumbai Metro Line 11 as per the Scope.</p>
5	<p>Clause 2.2.1, Pg. No. 39 To investigate the subsurface soil conditions at the site boreholes are required to be carried out as per consultant borehole plan.</p>	<p>Clause 2.2.1, Pg. No. 39 To investigate the subsurface soil conditions at the site boreholes are required to be carried out as per consultant borehole plan or as directed by Employer.</p>

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6	<p>Clause 2.2.2 - Pg. no. 39 Drilling of Drill holes of depth specified by consultant from the existing ground surface and determines the in-situ engineering. Which includes but not limited to Setting up boring ring at each bore hole location and boring 150 mm diameter bore holes through all kinds of soils.</p> <p>Drilling vertically through the rock using 'NX' size (76 mm) with double tube core barrel fitted with diamond studded drill bits. The aim of core drilling is not to make a hole, but to retrieve a core sample- a long solid cylinder of rock that can analyse to determine the composition of rock under the ground. The boreholes will terminate in hard rock with 2m depth below hard rock.</p>	<p>Clause 2.2.2, Pg. No. 39 Drilling of Drill holes of upto the depth of 35 meters from the existing ground surface and determines the in-situ engineering. Which includes but not limited to Setting up boring ring at each bore hole location and boring 150 mm diameter bore holes through all kinds of soils.</p> <p>Drilling vertically upto the depth of 35 meters from the existing ground surface through the rock using 'NX' size (76 mm) with double tube core barrel fitted with diamond studded drill bits. The aim of core drilling is not to make a hole, but to retrieve a core sample- a long solid cylinder of rock that can analyse to determine the composition of rock under the ground.</p>
7	<p>Clause 1.2 - Pg. no. 127 Cl. 1.2 (ii)(a) pg. no. 127 The test shall be conducted at nominated Standard Laboratory selected by the Employer.</p>	<p>Clause 1.2 - Pg. no. 127 Cl. 1.2 (ii)(a) pg. no. 127 The test shall be conducted at nominated NABL Accredited Standard Laboratory selected by the Employer.</p>
8	<p>Clause 10A Schedule 'F' Pg.No.146 Testing equipment to be provided by the contractor at site lab. All the Testing equipment's required for conducting test as per site requirement as applicable.</p>	<p>Clause 10A Schedule 'F' Pg.No.146 Testing equipment to be provided by the contractor at site lab if required or as directed by Employer</p>

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9	<p><u>Clause 16 Pg. no. 147</u> Requirement of technical representative(s) and recovery rate</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 5%;">Sr. no.</th> <th colspan="3" style="width: 40%;">Key Personnel</th> <th rowspan="2" style="width: 15%;">Rate of Recovery in case of non-compliance</th> </tr> <tr> <th style="width: 15%;">Discipline</th> <th style="width: 10%;">Quantity</th> <th style="width: 15%;">Experience</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Project Manager</td> <td style="text-align: center;">01 No.</td> <td style="text-align: center;">10 years</td> <td style="text-align: center;">Rs. 60,000/- P.M.</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Senior Engineer (Geotechnical)</td> <td style="text-align: center;">02 No.</td> <td style="text-align: center;">08 Years</td> <td style="text-align: center;">Rs. 40,000/- P.M.</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Civil Engineer (Geotechnical)</td> <td style="text-align: center;">02 No.</td> <td style="text-align: center;">05 Years</td> <td style="text-align: center;">Rs. 30,000/- P.M.</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Safety Engineer</td> <td style="text-align: center;">01 No</td> <td style="text-align: center;">06 years</td> <td style="text-align: center;">Rs 30,000/-P.M</td> </tr> </tbody> </table>	Sr. no.	Key Personnel			Rate of Recovery in case of non-compliance	Discipline	Quantity	Experience	1	Project Manager	01 No.	10 years	Rs. 60,000/- P.M.	2	Senior Engineer (Geotechnical)	02 No.	08 Years	Rs. 40,000/- P.M.	3	Civil Engineer (Geotechnical)	02 No.	05 Years	Rs. 30,000/- P.M.	4	Safety Engineer	01 No	06 years	Rs 30,000/-P.M	<p><u>Clause 16 Pg. no. 147</u> Requirement of technical representative(s) and recovery rate</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 5%;">Sr. no.</th> <th colspan="3" style="width: 40%;">Key Personnel</th> <th rowspan="2" style="width: 15%;">Rate of Recovery in case of non-compliance</th> </tr> <tr> <th style="width: 15%;">Discipline</th> <th style="width: 10%;">Quantity</th> <th style="width: 15%;">Experience</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Project Manager (ME / M.Tech, Specialization in Geotechnical)</td> <td style="text-align: center;">01 No.</td> <td style="text-align: center;">10 years</td> <td style="text-align: center;">Rs. 60,000/- P.M.</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Senior Engineer (Civil) (ME / M.Tech, Specialization in Geotechnical)</td> <td style="text-align: center;">02 No.</td> <td style="text-align: center;">08 Years</td> <td style="text-align: center;">Rs. 40,000/- P.M.</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Civil Engineer (BE / B.Tech, Experience in Geotechnical works)</td> <td style="text-align: center;">02 No.</td> <td style="text-align: center;">05 Years</td> <td style="text-align: center;">Rs. 30,000/- P.M.</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Safety Engineer (Certified Safety Engineer)</td> <td style="text-align: center;">01 No</td> <td style="text-align: center;">06 years</td> <td style="text-align: center;">Rs 30,000/-P.M</td> </tr> </tbody> </table>	Sr. no.	Key Personnel			Rate of Recovery in case of non-compliance	Discipline	Quantity	Experience	1	Project Manager (ME / M.Tech, Specialization in Geotechnical)	01 No.	10 years	Rs. 60,000/- P.M.	2	Senior Engineer (Civil) (ME / M.Tech, Specialization in Geotechnical)	02 No.	08 Years	Rs. 40,000/- P.M.	3	Civil Engineer (BE / B.Tech, Experience in Geotechnical works)	02 No.	05 Years	Rs. 30,000/- P.M.	4	Safety Engineer (Certified Safety Engineer)	01 No	06 years	Rs 30,000/-P.M
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10	<p><u>BOQ – Sr. no. 7 Pg. no. 151</u> a) Collecting disturbed samples of soil from bore holes as per specifications and delivering the same to the testing laboratory anywhere in Greater Mumbai as directed etc. complete as specified and directed.</p>	<p><u>BOQ – Sr. no. 7 Pg. no. 151</u> a) Collecting disturbed samples of soil from bore holes as per specifications and delivering the same to the testing NABL Accredited Standard Laboratory selected by the Employer etc. complete as specified and directed. For lab outside Greater</p>																																																								

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11	<p><u>BOQ – Sr. no. 8 Pg. no. 152</u></p> <p>a) Collecting undisturbed samples of soil as per specifications at any depth in M.S. black tube 100 m dia. 450 m m long, sealed at both ends with paraffin wax and delivering the same to the testing laboratory anywhere in Greater Mumbai etc. complete as specified and directed.</p>	<p>Mumbai area, selected bidder is required to make necessary arrangements for visit to lab for at least 3 officers of MMRC or as directed by Employer.</p> <p><u>BOQ – Sr. no. 8 Pg. no. 152</u></p> <p>a) Collecting undisturbed samples of soil as per specifications at any depth in M.S. black tube 100 m dia. 450 m m long, sealed at both ends with paraffin wax and delivering the same to the testing NABL Accredited Standard Laboratory selected by the Employer etc. complete as specified and directed. For lab outside Greater Mumbai area, selected bidder is required to make necessary arrangements for visit to lab for at least 3 officers of MMRC or as directed by Employer.</p>

-sd-

**Director (Planning & Real Estate/NFBR)
Mumbai Metro Rail Corporation Limited**

DISCLAIMER:

All information provided as a part of this Addendum-1 to Request for Proposal (RFP) to the prospective Bidding Entities by Mumbai Metro Rail Corporation Limited (MMRCL) is subject to the terms and conditions as laid down in the RFP. The objective of this Addendum to RFP is to provide information to the interested entities and to facilitate their application for the same. MMRCL makes no representation or gives any warranty and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this document. Each Bidding Entity is advised to conduct its own assessment of the opportunity and obtain independent advice from appropriate sources as deemed necessary. MMRCL may, at their absolute discretion, and without being under any obligation to do so, publish further addendum to this RFP document or terminate the same.

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