

MUMBAI METRO RAIL CORPORATION LIMITED

NIT Ref. No.: MMRC/Planning/NIT/K3/19/08

Name of Work	Construction of residential cum commercial high-rise building at Kalbadevi CS No. 662 and 1/662 of Bhuleshwar division for rehabilitation of Metro Line-3 Project Affected Persons of Kalbadevi and Girgaon.
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CORRIGENDUM 1

S. No.	Volume	Section/Chapter	Clause No.	Pg. No.	Bid Document condition	Amendment
1	1	NIT	1.2 (c)	6	Should have had average..... Certificate from CA to be uploaded)	Should have had average annual financial turnover of ₹100 Crore of similar works during the last five financial years ending 31st March 2018. (Scanned copy of Certificate from CA to be uploaded)
2	1	NIT	1.2 (d)	6	Should not have incurred any loss during the last Five years ending 31st March 2018.	Should not have incurred any loss in 3 years during the last Five financial years ending 31st March 2018.
3	1	2 Qualification Information and Other Forms - Technical Qualification Criteria	(i) A (c)	33	Achieved an average10% every year to bring the present level.	Achieved an average annual financial turnover as certified by 'Chartered Accountant' (in all classes of civil engineering construction work only equal to ₹100 Crore in last Five (5) financial years immediately preceding the financial year in which bids are invited. To ascertain this, Bidder(s) shall furnish the financial statement (Audited balance sheet) duly certified by Chartered Accountant. The turnover can be enhanced by 10% every year to bring the present level.

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4	1	3 General Conditions of Contact	47	54	47. Price adjustment.... payable under the contract.	<p>47. Price adjustment</p> <p>47.1 Contract price shall be adjusted for increase or decrease in rates and price of labour, materials, fuels, and lubricants in accordance with the following principles and procedures and as per the formula given in the contract data.</p> <p>a) The price adjustment shall apply to the work done from the start date given in the contract data upto end of the initial intended completion date or extensions granted by the Engineer and shall not apply to the work carried out beyond the stipulated time for reasons attributable to the contractor.</p> <p>b) The price adjustments shall be determined during each month from the formula given in the contract.</p> <p>47.2 To the extent that full compensation for any rise or fall in costs to the contractor is not covered by the provisions of this or other clauses in the contract, the unit rates and the prices included in the contract shall be deemed to include amounts to cover the contingency of such other rise or fall in the costs.</p>
5	1	3 General Conditions of Contact	51.5	58	The recovery of Mobilization.....w hichever is earlier.	The recovery of advances shall commence when 20% of the Accepted Contract Amount of the work has been paid and it will be completed by the time 85% of the Accepted Contract Amount has been paid or by the time of completion date, whichever is earlier.
6	1	5 Background and Scope of work of project -General Description and Scope of Work	a) Civil Works: Clause (m)	109	Fire Fighting Works: - This is again ... agency should get final NOC from CFO.	Fire Fighting Works: - This is again a very specialized work which should be executed through nominated sub-contractor approved by the Architect/Consultant/Engineer-in-Charge. The agency should carry out the fire fighting works as per CFO's NOC & Tariff Advisory Committee recommendations/NBC norms.

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7	1	5 Background and Scope of work of project - General Description and Scope of Work	a) Civil Works: Clause (l)	109	l. Plumbing, Water Supply ... from M& E Department of MCGM	l. Plumbing, Water Supply & Sanitary Works: - The work, if proposed through sub-contractor, prior approval of nominated sub-contractor shall be taken as per the qualifying criteria laid down in the tender. All fitting, fixtures & piping material should be got approved from the Architect/Consultant before procuring the same.
8	1	5 Background and Scope of work of project - General Description and Scope of Work	a) Civil Works: Clause (h)	109	h. Waterproofing: - while executing water proofing work.	h. Waterproofing: - Contractor should execute waterproofing activity as mentioned in Schedule B and as per the description given in Schedule C. Contractor should take extra precaution to seal the core cutting area i.e. junction of floor/ pipe areas in a meticulous way. Since Contractor has to give 10 years guarantee for water proofing, extra care should be taken while executing water proofing work.
9	1	5 Background and Scope of work of project -General Description and Scope of Work	a) Civil Works: Clause (c)	109	c. Steel Reinforcement to be used for construction shall be TMT bars of Fe 500grade using 18-gauge G.I. binding wire.	c. Steel Reinforcement to be used for construction shall be TMT bars & CRS bars of Fe 500grade using 18-gauge G.I. binding wire.

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10	1	4 Contract Data	24	97	The formula(e) for.....the quarter under consideration	<p>The amount to be added to or deducted from the Interim Payment Certificates (IPC) for changes in cost shall be determined by the formula as given here under:</p> <p>If during the operative period of the Contract as defined in consideration (i) herein below, there shall be any variation in the Consumer Price Index (New Series) for Industrial Workers Mumbai Centre as per the labour gazette published by the commissioner of Labour, Government of Maharashtra and/or in the whole sale Price Index for all commodities prepared by the office of Economic Adviser, Ministry of Industry, Government of India, and/or in the price of petrol/oil and lubricants and major construction materials like cement, steel etc. then subject to the other conditions mentioned below, price adjustment on account of</p> <ol style="list-style-type: none"> (1) Labour Component (2) Material Component (3) Petrol, Oil and Lubricants Component (4) Steel Component (5) Cement component <p>calculated as per the formula given hereinafter, shall be made. Apart from these, no other adjustments shall be made to the contract price for any reasons whatsoever. Component percentages as given below are based on the total cost of work put to tender. Total of Labour, Material & POL components shall be 100. Other components shall be as per actual.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td>1</td> <td>Labour Component – K₁</td> <td>25%</td> </tr> <tr> <td>2</td> <td>Material Component – K₂</td> <td>65%</td> </tr> <tr> <td>3</td> <td>POL Component – K₃</td> <td>10%</td> </tr> <tr> <td>4</td> <td>Cement</td> <td>As per actuals</td> </tr> <tr> <td>5</td> <td>Steel</td> <td>As per actuals</td> </tr> </tbody> </table>	1	Labour Component – K ₁	25%	2	Material Component – K ₂	65%	3	POL Component – K ₃	10%	4	Cement	As per actuals	5	Steel	As per actuals
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						<p>1. Formula for Labour Component: (K 1)</p> $V_1 = 0.85P \times \frac{K_1}{100} \times \left(\frac{L_1 - L_0}{L_0} \right)$ <p>Where, V₁ = Amount of price variation in rupees to be allowed for Labour component. P = Cost of work done during the quarter under consideration minus the cost of cement, TMT/HCRM/CRS Reinforcement/Structural Steel and secured advances, calculated at the basic rates as mentioned below, for quantity consumed during the quarter under consideration. (Excluding GST)</p> <ul style="list-style-type: none"> • Cement: ₹4935/- Per MT • HCRM/CRS Reinforcement: ₹50400/- Per MT • Structural Steel (if applicable): ₹48300/- Per MT <p>K₁ = Percentage of labour component as indicated above. L₀ = Basic consumer price index for Mumbai center (as indicated in labour gazette published by the commissioner of Labour, Government of Maharashtra) shall be average consumer price index for the quarter preceding the month in which the last date prescribed for receipt of tender, falls. L₁ = Average consumer price index for Mumbai center for the quarter under consideration.</p> <p>2. Formula for Materials Component: (K2)</p> $V_2 = 0.85P \times \frac{K_2}{100} \times \left(\frac{M_1 - M_0}{M_0} \right)$ <p>Where, V₂ = Amount of price variation in Rupees to be Allowed for Materials component. P = Same as worked out for labour component. K₂ = Percentage of material component as indicated above.</p>

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						<p>M_0 = Basic wholesale price index shall be average wholesale price index (as indicated in whole sale Price Index for all commodities prepared by the office of Economic Adviser, Ministry of Industry, Government of India) for the quarter preceding the month in which to the last date prescribed for receipt of tender, falls.</p> <p>M_1 = Average wholesale price index during the quarter under consideration</p> <p>3. Formulas for Petrol, Oil and Lubricants Component: K₃</p> $V_3 = 0.85P \times \frac{K_3}{100} \times \left(\frac{P_1 - P_0}{P_0} \right)$ <p>Where, V_3 = Amount of price variation in Rupees to be Allowed for POL component P = Same as worked out for labour component K_3 = Percentage of Petrol, Oil and Lubricants Component P_0 = Average price of HSD at Mumbai during the quarter preceding the month in which the last date prescribed for receipt of tender falls P_1 = Average price of HSD at Mumbai during the quarter under consideration</p> <p>4. Formula for TMT/HCRM/CRS Reinforcement/Structural Steel Component:</p> $V_4 = S_0 \times \frac{(S_1 - S_2)}{S_2} \times T$

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						<p>$V_4 =$ Amount of price variation in Rupees to be Allowed for Steel component may be added or deducted from bills.</p> <p>$S_0 =$ Basic rate of TMT/HCRM/CRS Reinforcement/Structural Steel in rupees per metric tonne as considered for working out value of P</p> <p>$S_1 =$ Average Steel Index published in the RBI Bulletin in during quarter under consideration</p> <p>$S_2 =$ Average Steel Index published in the RBI Bulletin for the quarter preceding the month in which to the last date described for receipt of tender, falls.</p> <p>$T =$ Tonnage of TMT/HCRM/CRS Reinforcement/Structural Steel used in the permanent work for the quarter under consideration.</p> <p>5. Formulas for Cement Component:</p> $V_5 = C_0 \times \frac{(C_1 - C_2)}{C_2} \times T$ <p>$V_5 =$ Amount of price variation in Rupees to be Allowed for Steel component may be added or deducted from bills.</p> <p>$C_0 =$ Basic rate of Cement in rupees per metric tonne as considered for working out value of P</p> <p>$C_1 =$ Average Cement Index published in the RBI Bulletin in during quarter under consideration</p> <p>$C_2 =$ Average Cement Index published in the RBI Bulletin for the quarter preceding the month in which to the last date described for receipt of tender, falls.</p> <p>$T =$ Tonnage of Cement used in the permanent work for the quarter under consideration.</p> <p>Restrictions on price adjustment</p> <p>The following considerations shall prevail</p> <p>i) The operative period of the Contract shall mean the period commencing from the date of work order issued to the</p>

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						<p>Contractor and ending on the date on which the time allowed for the completion of the work specified in the Contract for work expires, taking into consideration the extension of time, if any, for completion of the work granted by the Engineer under the relevant clause of the Conditions of Contract in cases other than those where such extension is necessitated on account of default of the Contractor. The decision of the Engineer as regards the operative period of the Contract shall be final and binding on the contractor. Where any compensation for liquidated damages is levied on the contractor on account of delay in completion or inadequate progress under the relevant Contract provision, the price adjustment amount for the balance of work from the date of levy of such compensation shall be worked out by pegging the indices, L₁, M₁, P₁, S₁ and C₁ to the levels corresponding to the date from which such compensation is levied.</p> <p>ii) The price variation shall be determined during each quarter as per formula given above in this clause.</p> <p>iii) This clause is operative both ways, i.e. if the price variation as calculated above is on the plus side, payment on account of the price variation shall be allowed to the contractor and if it is on the negative side, the Government shall be entitled to recover the same from the Contractor and the amount shall be deductible from any amounts due and payable under the contract.</p> <p>iv) To the extent that full compensation for any rise or fall in costs to the Contractor is not entirely covered by the provision of this or other clauses in the contract, the unit rate and price included in the contract shall be deemed to</p>

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						include amount to cover the contingency of such actual rise or fall in costs. v) The rates of extra items shall be fixed, and no adjustment shall be made.
11	1	1 Instruction Bidders to	4.4A (d)	16	The contractor or his identified in Appendix to ITB in anyone year	The contractor or his identified sub-contractor should possess required valid license for executing the building electrification, firefighting, plumbing & sanitary Works, elevators installation and any other services related activity and should have executed similar works for a minimum amount as indicated in Section 2 .
12	1	1 Instruction Bidders to	Appendix to ITB	6,7	6. The cost of electric work is Rs. Four Crore Fifty-eight lakhs only 7. The cost of water supply...lakhs only	Deleted